

The Project Gutenberg EBook of The Atlantic Monthly, Vol. II, No. 8, June 1858
by Various

Copyright laws are changing all over the world. Be sure to check the
copyright laws for your country before downloading or redistributing
this or any other Project Gutenberg eBook.

This header should be the first thing seen when viewing this Project
Gutenberg file. Please do not remove it. Do not change or edit the
header without written permission.

Please read the "legal small print," and other information about the
eBook and Project Gutenberg at the bottom of this file. Included is
important information about your specific rights and restrictions in
how the file may be used. You can also find out about how to make a
donation to Project Gutenberg, and how to get involved.

Welcome To The World of Free Plain Vanilla Electronic Texts

eBooks Readable By Both Humans and By Computers, Since 1971

*****These eBooks Were Prepared By Thousands of Volunteers!*****

Title: The Atlantic Monthly, Vol. II, No. 8, June 1858

Author: Various

Release Date: September, 2005 [EBook #8903]

[This file was first posted on August 22, 2003]

[Date last updated: June 4, 2005]

Edition: 10

Language: English

Character set encoding: US-ASCII

*** START OF THE PROJECT GUTENBERG EBOOK, THE ATLANTIC MONTHLY, VOL. II, NO. 8, JUNE 1858 ***

E-text prepared by Project Gutenberg Distributed Proofreaders

THE ATLANTIC MONTHLY

A MAGAZINE OF LITERATURE, ART, AND POLITICS

CONTENTS

American Tract Society, The
Ann Potter's Lesson
Asirvadam the Brahmin
Autocrat of the Breakfast-Table, The
Autocrat's Landlady, A Visit to the
Autocrat, The, gives a Breakfast to the Public

Birds of the Garden and Orchard, The
Birds of the Pasture and Forest, The
Bulls and Bears
Bundle of Irish Pennants, A

Catacombs of Rome, The
Catacombs of Rome, Note to the
Chesuncook
Colin Clout and the Faery Queen
Crawford and Sculpture

Daphnaides,
Denslow Palace, The
Dot and Line Alphabet, The

Eloquence
Evening with the Telegraph-Wires, An

Farming Life in New England
Faustus, Doctor, The German Popular Legend of

Gaicho, The
Great Event of the Century, The

Her Grace, the Drummer's Daughter
Hour before Dawn, The

Ideal Tendency, The
Illinois in Spring-time

Jefferson, Thomas

Kinloch Estate, The

Language of the Sea, The
Leibnitz, Gottfried Wilhelm von
Letter-Writing
Loo Loo

Mademoiselle's Campaigns
Metempsychosis
Minister's Wooing, The
Miss Wimple's Hoop

New World, The, and the New Man

Obituary
Old Well, The
Our Talks with Uncle John

Perilous Bivouac, A
Physical Courage
Pintal
Pocket-Celebration of the Fourth, The
President's Prophecy of Peace, The
Prisoner of War, A
Punch

Railway-Engineering in the United States
Rambles in Aquidneck
Romance of a Glove, The

Salons de Paris, Les
Sample of Consistency, A
Singing-Birds and their Songs, The
Songs of the Sea
Subjective of it, The
Suggestions

Three of Us

Water-Lilies
What are we going to make?
Whirligig of Time, The

Youth

POETRY

All's Well

Beatrice
Birth-Mark, The
"Bringing our Sheaves with us"

Cantatrice, La
Cup, The

Dead House, The
Discoverer of the North Cape, The

Evening Melody, An

Fifty and Fifteen

House that was just like its Neighbors, The

Jolly Mariner, The

Keats, the Poet

Last Look, The

Marais du Cygne, Le

My Children

Myrtle Flowers

Nature and the Philosopher

November

November.--April

Shipwreck

Skater, The

Spirits in Prison

Swan-Song of Parson Avery, The

Telegraph, The

To ----

Trustee's Lament, The

Waldeinsamkeit

"Washing of the Feet," The, on Holy Thursday, in St. Peter's

What a Wretched Woman said to me

Work and Rest

LITERARY NOTICES.

American Cyclopaedia, The New

Annual Obituary Notices, by N. Crosby

Aquarium, The, by P. H. Gosse

Belle Brittan on a Tour

Bigelow, Jacob, Brief Expositions of Rational Medicine by

Black's Atlas of North America

Chapman's American Drawing-Book

Church and Congregation, The, by C. A. Bartel

Crosby's Annual Obituary, for 1857

Curiosities of Literature, by Disraeli

Cyclopaedia of Drawing, The, by W. E. Worthen

Cyclopaedia, The New American

Dana's Household Book of Poetry

Disraeli's Curiosities of Literature
Drawing-Book, The American, by J.G. Chapman
Drawing, The Cyclopedia of

Ewbank, Thomas, Thoughts on Matter and Force by
Exiles of Florida, The, by J. E. Giddings

Fitch, John, Westcott's Life of

Giddings, Joshua R., The Exiles of Florida by
Goadby, Henry, A Text-Book of Animal and Vegetable Physiology by
Gray's Botanical Series

Household Book of Poetry, by C. A. Dana

Inductive Sciences, History of the, by Whewell

Journey due North, A, by G. A. Sala

Kingsley, Charles, Sir Walter Raleigh and his Time, with other Papers by

Library of Old Authors
Life beneath the Waters

New Priest in Conception Bay, The

Pascal, Etudes sur, par M. Victor Cousin
Pellico, Silvio, Lettres de
Physiology, Animal and Vegetable, by Henry Goadby
Poe's Poetical Works

Raleigh, Sir Walter, and his Time, with other Papers, by C. Kingsley
Rational Medicine, Brief Expositions of, by Jacob Bigelow
Robertson, Rev. F. W., Sermons by

Sea-Shore, Common Objects of the, by J. G. Wood
Stephenson, George, Smiles's Life of
Summer Time in the Country

Thoughts on Matter and Force, by Thomas Ewbank

Vocabularies, A Volume of, by T. Wright

Webster, John, Dramatic Works of
Whewell's History of the Inductive Sciences
Wright, Thomas, A Volume of Vocabularies by

THE ATLANTIC MONTHLY.

CHESUNCOOK.

At 5 P.M., September 13th, 185-, I left Boston in the steamer for Bangor by the outside course. It was a warm and still night,--warmer, probably, on the water than on the land,--and the sea was as smooth as a small lake in summer, merely rippled. The passengers went singing on the deck, as in a parlor, till ten o'clock. We passed a vessel on her beam-ends on a rock just outside the islands, and some of us thought that she was the "rapt ship" which ran

"on her side so low
That she drank water, and her keel ploughed air,"

not considering that there was no wind, and that she was under bare poles. Now we have left the islands behind and are off Nahant. We behold those features which the discoverers saw, apparently unchanged. Now we see the Cape Ann lights, and now pass near a small village-like fleet of mackerel fishers at anchor, probably off Gloucester. They salute us with a shout from their low decks; but I understand their "Good evening", to mean, "Don't run against me, Sir." From the wonders of the deep we go below to get deeper sleep. And then the absurdity of being waked up in the night by a man who wants the job of blacking your boots! It is more inevitable than seasickness, and may have something to do with it. It is like the ducking you get on crossing the line the first time. I trusted that these old customs were abolished. They might with the same propriety insist on blacking your face. I heard of one man who complained that somebody had stolen his boots in the night; and when he found them, he wanted to know what they had done to them,--they had spoiled them,-- he never put that stuff on them; and the boot-black narrowly escaped paying damages.

Anxious to get out of the whale's belly, I rose early, and joined some old salts, who were smoking by a dim light on a sheltered part of the deck. We were just getting into the river. They knew all about it, of course. I was proud to find that I had stood the voyage so well, and was not in the least digested. We brushed up and watched the first signs of dawn through an open port; but the day seemed to hang fire. We inquired the time; none of my companions had a chronometer. At length an African prince rushed by, observing, "Twelve o'clock, gentlemen!" and blew out the light. It was moon-rise. So I slunk down into the monster's bowels again.

The first land we make is Manheigan Island, before dawn, and next St. George's Islands, seeing two or three lights. Whitehead, with its bare rocks and funereal bell, is interesting. Next I remember that the Camden Hills attracted my eyes, and afterward the hills about

Frankfort. We reached Bangor about noon.

When I arrived, my companion that was to be had gone up river, and engaged an Indian, Joe Aitteon, a son of the Governor, to go with us to Chesuncook Lake. Joe had conducted two white men a-moose-hunting in the same direction the year before. He arrived by cars at Bangor that evening, with his canoe and a companion, Sabattis Solomon, who was going to leave Bangor the following Monday with Joe's father, by way of the Penobscot, and join Joe in moose-hunting at Chesuncook, when we had done with him. They took supper at my friend's house and lodged in his barn, saying that they should fare worse than that in the woods. They only made Watch bark a little, when they came to the door in the night for water, for he does not like Indians.

The next morning Joe and his canoe were put on board the stage for Moosehead Lake, sixty and odd miles distant, an hour before we started in an open wagon. We carried hard bread, pork, smoked beef, tea, sugar, etc., seemingly enough for a regiment; the sight of which brought together reminded me by what ignoble means we had maintained our ground hitherto. We went by the Avenue Road, which is quite straight and very good, north-westward toward Moosehead Lake, through more than a dozen flourishing towns, with almost every one its academy,--not one of which, however, is on my General Atlas, published, alas! in 1824; so much are they before the age, or I behind it! The earth must have been considerably lighter to the shoulders of General Atlas then.

It rained all this day and till the middle of the next forenoon, concealing the landscape almost entirely; but we had hardly got out of the streets of Bangor before I began to be exhilarated by the sight of the wild fir and spruce tops, and those of other primitive evergreens, peering through the mist in the horizon. It was like the sight and odor of cake to a schoolboy. He who rides and keeps the beaten track studies the fences chiefly. Near Bangor, the fence-posts, on account of the frost's heaving them in the clayey soil, were not planted in the ground, but were mortised into a transverse horizontal beam lying on the surface. Afterwards, the prevailing fences were log ones, with sometimes a Virginia fence, or else rails slanted over crossed stakes,--and these zigzagged or played leap-frog all the way to the lake, keeping just ahead of us. After getting out of the Penobscot Valley, the country was unexpectedly level, or consisted of very even and equal swells, for twenty or thirty miles, never rising above the general level, but affording, it is said, a very good prospect in clear weather, with frequent views of Katadin,--straight roads and long hills. The houses were far apart, commonly small and of one story, but framed. There was very little land under cultivation, yet the forest did not often border the road. The stumps were frequently as high as one's head, showing the depth of the snows. The white hay-caps, drawn over small stacks of beans or corn in the fields, on account of the rain, were a novel sight to me. We saw large flocks of pigeons, and several times came within a rod or two of partridges in the road. My companion said, that, in one journey out of Bangor, he and his son had shot sixty partridges from his

buggy. The mountain-ash was now very handsome, as also the wayfarer's-tree or hobble-bush, with its ripe purple berries mixed with red. The Canada thistle, an introduced plant, was the prevailing weed all the way to the lake,--the road-side in many places, and fields not long cleared, being densely filled with it as with a crop, to the exclusion of everything else. There were also whole fields full of ferns, now rusty and withering, which in older countries are commonly confined to wet ground. There were very few flowers, even allowing for the lateness of the season. It chanced that I saw no asters in bloom along the road for fifty miles, though they were so abundant then in Massachusetts,--except in one place one or two of the aster acuminatus,--and no golden-rods till within twenty miles of Monson, where I saw a three-ribbed one. There were many late buttercups, however, and the two fire-weeds, erechthites and epilobium, commonly where there had been a burning, and at last the pearly everlasting. I noticed occasionally very long troughs which supplied the road with water, and my companion said that three dollars annually were granted by the State to one man in each school-district, who provided and maintained a suitable water-trough by the road-side, for the use of travellers,--a piece of intelligence as refreshing to me as the water itself. That legislature did not sit in vain. It was an Oriental act, which made me wish that I was still farther down East,--another Maine law, which I hope we may get in Massachusetts. That State is banishing bar-rooms from its highways, and conducting the mountain-springs thither.

The country was first decidedly mountainous in Garland, Sangerville, and onwards, twenty-five or thirty miles from Bangor. At Sangerville, where we stopped at mid-afternoon to warm and dry ourselves, the landlord told us that he had found a wilderness where we found him. At a fork in the road between Abbot and Monson, about twenty miles from Moosehead Lake, I saw a guide-post surmounted by a pair of moose-horns, spreading four or five feet, with the word "Monson" painted on one blade, and the name of some other town on the other. They are sometimes used for ornamental hat-trees, together with deers' horns, in front entries; but, after the experience which I shall relate, I trust that I shall have a better excuse for killing a moose than that I may hang my hat on his horns. We reached Monson, fifty miles from Bangor, and thirteen from the lake, after dark.

At four o'clock the next morning, in the dark, and still in the rain, we pursued our journey. Close to the academy in this town they have erected a sort of gallows for the pupils to practise on. I thought that they might as well hang at once all who need to go through such exercises in so new a country, where there is nothing to hinder their living an outdoor life. Better omit Blair, and take the air. The country about the south end of the lake is quite mountainous, and the road began to feel the effects of it. There is one hill which, it is calculated, it takes twenty-five minutes to ascend. In many places the road was in that condition called repaired, having just been whittled into the required semi-cylindrical form with the shovel and scraper, with all the softest inequalities in the middle,

like a hog's back with the bristles up, and Jehu was expected to keep astride of the spine. As you looked off each side of the bare sphere into the horizon, the ditches were awful to behold,--a vast hollowness, like that between Saturn and his ring. At a tavern hereabouts the hostler greeted our horse as an old acquaintance, though he did not remember the driver. He said that he had taken care of that little mare for a short time, a year or two before, at the Mount Kineo House, and thought she was not in as good condition as then. Every man to his trade. I am not acquainted with a single horse in the world, not even the one that kicked me.

Already we had thought that we saw Moosehead Lake from a hill-top, where an extensive fog filled the distant lowlands, but we were mistaken. It was not till we were within a mile or two of its south end that we got our first view of it,--a suitably wild-looking sheet of water, sprinkled with small low islands, which were covered with shaggy spruce and other wild wood,--seen over the infant port of Greenville, with mountains on each side and far in the north, and a steamer's smoke-pipe rising above a roof. A pair of moose-horns ornamented a corner of the public-house where we left our horse, and a few rods distant lay the small steamer Moosehead, Captain King. There was no village, and no summer road any farther in this direction,--but a winter road, that is, one passable only when deep snow covers its inequalities, from Greenville up the east side of the lake to Lily Bay, about twelve miles.

I was here first introduced to Joe. He had ridden all the way on the outside of the stage the day before, in the rain, giving way to ladies, and was well wetted. As it still rained, he asked if we were going to "put it through." He was a good-looking Indian, twenty-four years old, apparently of unmixed blood, short and stout, with a broad face and reddish complexion, and eyes, methinks, narrower and more turned-up at the outer corners than ours, answering to the description of his race. Beside his under-clothing, he wore a red flannel shirt, woollen pants, and a black Kossuth hat, the ordinary dress of the lumberman, and, to a considerable extent, of the Penobscot Indian. When, afterward, he had occasion to take off his shoes and stockings, I was struck with the smallness of his feet. He had worked a good deal as a lumberman, and appeared to identify himself with that class. He was the only one of the party who possessed an India-rubber jacket. The top strip or edge of his canoe was worn nearly through by friction on the stage.

At eight o'clock, the steamer with her bell and whistle, scaring the moose, summoned us on board. She was a well-appointed little boat, commanded by a gentlemanly captain, with patent life-seats, and metallic life-boat, and dinner on board, if you wish. She is chiefly used by lumberers for the transportation of themselves, their boats, and supplies, but also by hunters and tourists. There was another steamer, named Amphitrite, laid up close by; but, apparently, her name was not more trite than her hull. There were also two or three large sail-boats in port. These beginnings of commerce on a lake in the wilderness are very interesting,--these larger white birds that

come to keep company with the gulls. There were but few passengers, and not one female among them: a St. Francis Indian, with his canoe and moose-hides, two explorers for lumber, three men who landed at Sandbar Island, and a gentleman who lives on Deer Island, eleven miles up the lake, and owns also Sugar Island, between which and the former the steamer runs; these, I think, were all beside ourselves. In the saloon was some kind of musical instrument, cherubim or seraphim, to soothe the angry waves; and there, very properly, was tacked up the map of the public lands of Maine and Massachusetts, a copy of which I had in my pocket.

The heavy rain confining us to the saloon awhile, I discoursed with the proprietor of Sugar Island on the condition of the world in Old Testament times. But at length, leaving this subject as fresh as we found it, he told me that he had lived about this lake twenty or thirty years, and yet had not been to the head of it for twenty-one years. He faces the other way. The explorers had a fine new birch on board, larger than ours, in which they had come up the Piscataquis from Howland, and they had had several messes of trout already. They were going to the neighborhood of Eagle and Chamberlain Lakes, or the head-waters of the St. John, and offered to keep us company as far as we went. The lake to-day was rougher than I found the ocean, either going or returning, and Joe remarked that it would swamp his birch. Off Lily Bay it is a dozen miles wide, but it is much broken by islands. The scenery is not merely wild, but varied and interesting; mountains were seen, farther or nearer, on all sides but the north-west, their summits now lost in the clouds; but Mount Kineo is the principal feature of the lake, and more exclusively belongs to it. After leaving Greenville, at the foot, which is the nucleus of a town some eight or ten years old, you see but three or four houses for the whole length of the lake, or about forty miles, three of them the public-houses at which the steamer is advertised to stop, and the shore is an unbroken wilderness. The prevailing wood seemed to be spruce, fir, birch, and rock-maple. You could easily distinguish the hard wood from the soft, or "black growth," as it is called, at a great distance,--the former being smooth, round-topped, and light green, with a bowery and cultivated look.

Mount Kineo, at which the boat touched, is a peninsula with a narrow neck, about midway the lake on the east side. The celebrated precipice is on the east or land side of this, and is so high and perpendicular that you can jump from the top many hundred feet into the water which makes up behind the point. A man on board told us that an anchor had been sunk ninety fathoms at its base before reaching bottom! Probably it will be discovered ere long that some Indian maiden jumped off it for love once, for true love never could have found a path more to its mind. We passed quite close to the rock here, since it is a very bold shore, and I observed marks of a rise of four or five feet on it. The St. Francis Indian expected to take in his boy here, but he was not at the landing. The father's sharp eyes, however, detected a canoe with his boy in it far away under the mountain, though no one else could see it. "Where is the canoe?" asked the captain, "I don't see it"; but he held on

nevertheless, and by and by it hove in sight.

We reached the head of the lake about noon. The weather had in the mean while cleared up, though the mountains were still capped with clouds. Seen from this point, Mount Kineo, and two other allied mountains ranging with it north-easterly, presented a very strong family likeness, as if all cast in one mould. The steamer here approached a long pier projecting from the northern wilderness and built of some of its logs,--and whistled, where not a cabin nor a mortal was to be seen. The shore was quite low, with flat rocks on it, overhung with black ash, arbor-vitae, etc., which at first looked as if they did not care a whistle for us. There was not a single cabman to cry "Coach!" or inveigle us to the United States Hotel. At length a Mr. Hinckley, who has a camp at the other end of the "carry," appeared with a truck drawn by an ox and a horse over a rude log-railway through the woods. The next thing was to get our canoe and effects over the carry from this lake, one of the heads of the Kennebec, into the Penobscot River. This railway from the lake to the river occupied the middle of a clearing two or three rods wide and perfectly straight through the forest. We walked across while our baggage was drawn behind. My companion went ahead to be ready for partridges, while I followed, looking at the plants.

This was an interesting botanical locality for one coming from the South to commence with; for many plants which are rather rare, and one or two which are not found at all, in the eastern part of Massachusetts, grew abundantly between the rails,--as Labrador tea, *kalmia glauca*, Canada blueberry, (which was still in fruit, and a second time in bloom,) *Clintonia* and *Linnaea Borealis*, which last a lumberer called *_moxon_*, creeping snowberry, painted trillium, large-flowered bell-wort, etc. I fancied that the *aster radula*, *diplopappus umbellatus*, *solidago lanceolatus*, red trumpetweed, and many others which were conspicuously in bloom on the shore of the lake and on the carry, had a peculiarly wild and primitive look there. The spruce and fir trees crowded to the track on each side to welcome us, the arbor-vitae with its changing leaves prompted us to make haste, and the sight of the canoe-birch gave us spirits to do so. Sometimes an evergreen just fallen lay across the track with its rich burden of cones, looking, still, fuller of life than our trees in the most favorable positions. You did not expect to find such *_spruce_* trees in the wild woods, but they evidently attend to their toilets each morning even there. Through such a front-yard did we enter that wilderness.

There was a very slight rise above the lake,--the country appearing like, and perhaps being, partly a swamp,--and at length a gradual descent to the Penobscot, which I was surprised to find here a large stream, from twelve to fifteen rods wide, flowing from west to east, or at right angles with the lake, and not more than two and a half miles from it. The distance is nearly twice too great on the Map of the Public Lands, and on Colton's Map of Maine, and Russell Stream is placed too far down. Jackson makes Moosehead Lake to be nine hundred and sixty feet above high water in Portland harbor. It is

higher than Chesuncook, for the lumberers consider the Penobscot, where we struck it, twenty-five feet lower than Moosehead,--though eight miles above it is said to be the highest, so that the water can be made to flow either way, and the river falls a good deal between here and Chesuncook. The carry-man called this about one hundred and forty miles above Bangor by the river, or two hundred from the ocean, and fifty-five miles below Hilton's on the Canada road, the first clearing above, which is four and a half miles from the source of the Penobscot.

At the north end of the carry, in the midst of a clearing of sixty acres or more, there was a log camp of the usual construction, with something more like a house adjoining, for the accommodation of the carryman's family and passing lumberers. The bed of withered fir-twigs smelled very sweet, though really very dirty. There was also a store-house on the bank of the river, containing pork, flour, iron, bateaux, and birches, locked up.

We now proceeded to get our dinner, which always turned out to be tea, and to pitch canoes, for which purpose a large iron pot lay permanently on the bank. This we did in company with the explorers. Both Indians and whites use a mixture of rosin and grease for this purpose,--that is, for the pitching, not the dinner. Joe took a small brand from the fire and blew the heat and flame against the pitch on his birch, and so melted and spread it. Sometimes he put his mouth over the suspected spot and sucked, to see if it admitted air; and at one place, where we stopped, he set his canoe high on crossed stakes, and poured water into it. I narrowly watched his motions, and listened attentively to his observations, for we had employed an Indian mainly that I might have an opportunity to study his ways. I heard him swear once mildly, during this operation, about his knife being as dull as a hoe,--an accomplishment which he owed to his intercourse with the whites; and he remarked, "We ought to have some tea before we start; we shall be hungry before we kill that moose."

At mid-afternoon we embarked on the Penobscot. Our birch was nineteen and a half feet long by two and a half at the widest part, and fourteen inches deep within, both ends alike, and painted green, which Joe thought affected the pitch and made it leak. This, I think, was a middling-sized one. That of the explorers was much larger, though probably not much longer. This carried us three with our baggage, weighing in all between five hundred and fifty and six hundred pounds. We had two heavy, though slender, rock-maple paddles, one of them of bird's-eye maple. Joe placed birch bark on the bottom for us to sit on, and slanted cedar splints against the cross-bars to protect our backs, while he himself sat upon a cross-bar in the stern. The baggage occupied the middle or widest part of the canoe. We also paddled by turns in the bows, now sitting with our legs extended, now sitting upon our legs, and now rising upon our knees; but I found none of these positions endurable, and was reminded of the complaints of the old Jesuit missionaries of the torture they endured from long confinement in constrained positions in canoes, in

their long voyages from Quebec to the Huron country; but afterwards I sat on the cross-bars, or stood up, and experienced no inconvenience.

It was dead water for a couple of miles. The river had been raised about two feet by the rain, and lumberers were hoping for a flood sufficient to bring down the logs that were left in the spring. Its banks were seven or eight feet high, and densely covered with white and black spruce,--which, I think, must be the commonest trees thereabouts,--fir, arbor-vitae, canoe, yellow, and black birch, rock, mountain, and a few red maples, beech, black and mountain ash, the large-toothed aspen, many civil-looking elms, now imbrowned, along the stream, and at first a few hemlocks also. We had not gone far before I was startled by seeing what I thought was an Indian encampment, covered with a red flag, on the bank, and exclaimed, "Camp!" to my comrades. I was slow to discover that it was a red maple changed by the frost. The immediate shores were also densely covered with the speckled alder, red osier, shrubby willows or sallows, and the like. There were a few yellow-lily-pads still left, half drowned, along the sides, and sometimes a white one. Many fresh tracks of moose were visible where the water was shallow, and on the shore, and the lily-stems were freshly bitten off by them.

After paddling about two miles, we parted company with the explorers, and turned up Lobster Stream, which comes in on the right, from the south-east. This was six or eight rods wide, and appeared to run nearly parallel with the Penobscot. Joe said that it was so called from small fresh-water lobsters found in it. It is the Matahumkeag of the maps. My companion wished to look for moose signs, and intended, if it proved worth the while, to camp up that way, since the Indian advised it. On account of the rise of the Penobscot, the water ran up this stream quite to the pond of the same name, one or two miles. The Spencer Mountains, east of the north end of Moosehead Lake, were now in plain sight in front of us. The kingfisher flew before us, the pigeon woodpecker was seen and heard, and nuthatches and chickadees close at hand. Joe said that they called the chickadee _kecunnilessu_ in his language. I will not vouch for the spelling of what possibly was never spelt before, but I pronounced after him till he said it would do. We passed close to a woodcock, which stood perfectly still on the shore, with feathers puffed up, as if sick. This, Joe said, they called _nipsquecohossus_. The kingfisher was _skuscumonsuck_; bear was _wassus_; Indian Devil, _lunxus_; the mountain-ash, _upahsis_. This was very abundant and beautiful. Moose-tracks were not so fresh along this stream, except in a small creek about a mile up it, where a large log had lodged in the spring, marked "W-cross-girdle-crow-foot." We saw a pair of moose-horns on the shore, and I asked Joe if a moose had shed them; but he said there was a head attached to them, and I knew that they did not shed their heads more than once in their lives.

After ascending about a mile and a half, to within a short distance of Lobster Lake, we returned to the Penobscot. Just below the mouth of the Lobster we found quick water, and the river expanded to twenty or thirty rods in width. The moose-tracks were quite numerous

and fresh here. We noticed in a great many places narrow and well-trodden paths by which they had come down to the river, and where they had slid on the steep and clayey bank. Their tracks were either close to the edge of the stream, those of the calves distinguishable from the others, or in shallow water; the holes made by their feet in the soft bottom being visible for a long time. They were particularly numerous where there was a small bay, or _pokelogan_, as it is called, bordered by a strip of meadow, or separated from the river by a low peninsula covered with coarse grass, wool-grass, etc., wherein they had waded back and forth and eaten the pads. We detected the remains of one in such a spot. At one place, where we landed to pick up a summer duck, which my companion had shot, Joe peeled a canoe-birch for bark for his hunting-horn. He then asked if we were not going to get the other duck, for his sharp eyes had seen another fall in the bushes a little farther along, and my companion obtained it. I now began to notice the bright red berries of the tree-cranberry, which grows eight or ten feet high, mingled with the alders and cornel along the shore. There was less hard wood than at first.

After proceeding a mile and three quarters below the mouth of the Lobster, we reached, about sundown, a small island at the head of what Joe called the Moosehorn Dead-water, (the Moosehorn, in which he was going to hunt that night, coming in about three miles below), and on the upper end of this we decided to camp. On a point at the lower end lay the carcass of a moose killed a month or more before. We concluded merely to prepare our camp, and leave our baggage here, that all might be ready when we returned from moose-hunting. Though I had not come a-hunting, and felt some compunctions about accompanying the hunters, I wished to see a moose near at hand, and was not sorry to learn how the Indian managed to kill one. I went as reporter or chaplain to the hunters,--and the chaplain has been known to carry a gun himself. After clearing a small space amid the dense spruce and fir trees, we covered the damp ground with a shingling of fir-twigs, and, while Joe was preparing his birch-horn and pitching his canoe,--for this had to be done whenever we stopped long enough to build a fire, and was the principal labor which he took upon himself at such times,--we collected fuel for the night, large wet and rotting logs, which had lodged at the head of the island, for our hatchet was too small for effective chopping; but we did not kindle a fire, lest the moose should smell it. Joe set up a couple of forked stakes, and prepared half a dozen poles, ready to cast one of our blankets over in case it rained in the night, which precaution, however, was omitted the next night. We also plucked the ducks which had been killed for breakfast.

While we were thus engaged in the twilight, we heard faintly, from far down the stream, what sounded like two strokes of a woodchopper's axe, echoing dully through the grim solitude. We are wont to liken many sounds, heard at a distance in the forest, to the stroke of an axe because they resemble each other under those circumstances, and that is the one we commonly hear there. When we told Joe of this, he exclaimed, "By George, I'll bet that was moose!"

They make a noise like that." These sounds affected us strangely, and by their very resemblance to a familiar one, where they probably had so different an origin, enhanced the impression of solitude and wildness.

At starlight we dropped down the stream, which was a dead-water for three miles, or as far as the Moosehorn; Joe telling us that we must be very silent, and he himself making no noise with his paddle, while he urged the canoe along with effective impulses. It was a still night, and suitable for this purpose,--for if there is wind, the moose will smell you,--and Joe was very confident that he should get some. The harvest moon had just risen, and its level rays began to light up the forest on our right, while we glided downward in the shade on the same side, against the little breeze that was stirring. The lofty spiring tops of the spruce and fir were very black against the sky, and more distinct than by day, close bordering this broad avenue on each side; and the beauty of the scene, as the moon rose above the forest, it would not be easy to describe. A bat flew over our heads, and we heard a few faint notes of birds from time to time, perhaps the myrtle-bird for one, or the sudden plunge of a musquash, or saw one crossing the stream before us, or heard the sound of a rill emptying in, swollen by the recent rain. About a mile below the island, when the solitude seemed to be growing more complete every moment, we suddenly saw the light and heard the crackling of a fire on the bank, and discovered the camp of the two explorers; they standing before it in their red shirts, and talking aloud of the adventures and profits of the day. They were just then speaking of a bargain, in which, as I understood, somebody had cleared twenty-five dollars. We glided by without speaking, close under the bank, within a couple of rods of them; and Joe, taking his horn, imitated the call of the moose, till we suggested that they might fire on us. This was the last we saw of them, and we never knew whether they detected or suspected us.

I have often wished since that I was with them. They search for timber over a given section, climbing hills and often high trees to look off,--explore the streams by which it is to be driven, and the like,--spend five or six weeks in the woods, they two alone, a hundred miles or more from any town,--roaming about, and sleeping on the ground where night overtakes them,--depending chiefly on the provisions they carry with them, though they do not decline what game they come across,--and then in the fall they return and make report to their employers, determining the number of teams that will be required the following winter. Experienced men get three or four dollars a day for this work. It is a solitary and adventurous life, and comes nearest to that of the trapper of the West, perhaps. They work ever with a gun as well as an axe, let their beards grow, and live without neighbors, not on an open plain, but far within a wilderness.

This discovery accounted for the sounds which we had heard, and destroyed the prospect of seeing moose yet awhile. At length, when we had left the explorers far behind, Joe laid down his paddle, drew

forth his birch horn,--a straight one, about fifteen inches long and three or four wide at the mouth, tied round with strips of the same bark,--and standing up, imitated the call of the moose,--_ugh-ugh-ugh_, or _oo-oo-oo-oo_, and then a prolonged _oo-o-o-o-o-o-o_, and listened attentively for several minutes. We asked him what kind of noise he expected to hear. He said, that, if a moose heard it, he guessed we should find out; we should hear him coming half a mile off; he would come close to, perhaps into, the water, and my companion must wait till he got fair sight, and then aim just behind the shoulder.

The moose venture out to the riverside to feed and drink at night. Earlier in the season the hunters do not use a horn to call them out, but steal upon them as they are feeding along the sides of the stream, and often the first notice they have of one is the sound of the water dropping from its muzzle. An Indian whom I heard imitate the voice of the moose, and also that of the caribou and the deer, using a much longer horn than Joe's, told me that the first could be heard eight or ten miles, sometimes; it was a loud sort of bellowing sound, clearer and more sonorous than the lowing of cattle,--the caribou's a sort of snort,--and the small deer's like that of a lamb.

At length we turned up the Moosehorn, where the Indians at the carry had told us that they killed a moose the night before. This is a very meandering stream, only a rod or two in width, but comparatively deep, coming in on the right, fitly enough named Moosehorn, whether from its windings or its inhabitants. It was bordered here and there by narrow meadows between the stream and the endless forest, affording favorable places for the moose to feed, and to call them out on. We proceeded half a mile up this, as through a narrow winding canal, where the tall, dark spruce and firs and arbor-vitae towered on both sides in the moonlight, forming a perpendicular forest-edge of great height, like the spires of a Venice in the forest. In two places stood a small stack of hay on the bank, ready for the lumberer's use in the winter, looking strange enough there. We thought of the day when this might be a brook winding through smooth-shaven meadows on some gentleman's grounds; and seen by moonlight then, excepting the forest that now hems it in, how little changed it would appear!

Again and again Joe called the moose, placing the canoe close by some favorable point of meadow for them to come out on, but listened in vain to hear one come rushing through the woods, and concluded that they had been hunted too much thereabouts. We saw many times what to our imaginations looked like a gigantic moose, with his horns peering from out the forest-edge; but we saw the forest only, and not its inhabitants, that night. So at last we turned about. There was now a little fog on the water, though it was a fine, clear night above. There were very few sounds to break the stillness of the forest. Several times we heard the hooting of a great horned-owl, as at home, and told Joe that he would call out the moose for him, for he made a sound considerably like the horn,--but Joe answered, that the moose had heard that sound a thousand times, and knew better;

and oftener still we were startled by the plunge of a musquash. Once, when Joe had called again, and we were listening for moose, we heard come faintly echoing, or creeping from far, through the moss-clad aisles, a dull, dry, rushing sound, with a solid core to it, yet as if half smothered under the grasp of the luxuriant and fungus-like forest, like the shutting of a door in some distant entry of the damp and shaggy wilderness. If we had not been there, no mortal had heard it. When we asked Joe in a whisper what it was, he answered,-- "Tree fall." There is something singularly grand and impressive in the sound of a tree falling in a perfectly calm night like this, as if the agencies which overthrow it did not need to be excited, but worked with a subtle, deliberate, and conscious force, like a boa-constrictor, and more effectively than even in a windy day. If there is any such difference, perhaps it is because trees with the dews of the night on them are heavier than by day.

Having reached the camp, about ten o'clock, we kindled our fire and went to bed. Each of us had a blanket, in which he lay on the fir-twigs, with his extremities toward the fire, but nothing over his head. It was worth the while to lie down in a country where you could afford such great fires; that was one whole side, and the bright side, of our world. We had first rolled up a large log some eighteen inches through and ten feet long, for a back-log, to last all night, and then piled on the trees to the height of three or four feet, no matter how green or damp. In fact, we burned as much wood that night as would, with economy and an air-tight stove, last a poor family in one of our cities all winter. It was very agreeable, as well as independent, thus lying in the open air, and the fire kept our uncovered extremities warm enough. The Jesuit missionaries used to say, that, in their journeys with the Indians in Canada, they lay on a bed which had never been shaken up since the creation, unless by earthquakes. It is surprising with what impunity and comfort one who has always lain in a warm bed in a close apartment, and studiously avoided drafts of air, can lie down on the ground without a shelter, roll himself in a blanket, and sleep before a fire, in a frosty autumn night, just after a long rain-storm, and even come soon to enjoy and value the fresh air.

I lay awake awhile, watching the ascent of the sparks through the firs, and sometimes their descent in half-extinguished cinders on my blanket. They were as interesting as fireworks, going up in endless successive crowds, each after an explosion, in an eager serpentine course, some to five or six rods above the tree-tops before they went out. We do not suspect how much our chimneys have concealed; and now air-tight stoves have come to conceal all the rest. In the course of the night, I got up once or twice and put fresh logs on the fire, making my companions curl up their legs.

When we awoke in the morning, (Saturday, September 17,) there was considerable frost whitening the leaves. We heard the sound of the chickadee, and a few faintly lisping birds, and also of ducks in the water about the island. I took a botanical account of stock of our domains before the dew was off, and found that the ground-hemlock,

or American yew, was the prevailing undershrub. We breakfasted on tea, hard bread, and ducks.

Before the fog had fairly cleared away, we paddled down the stream again, and were soon past the mouth of the Moosehorn. These twenty miles of the Penobscot, between Moosehead and Chesuncook Lakes, are comparatively smooth, and a great part dead-water; but from time to time it is shallow and rapid, with rocks or gravel-beds, where you can wade across. There is no expanse of water, and no break in the forest, and the meadow is a mere edging here and there. There are no hills near the river nor within sight, except one or two distant mountains seen in a few places. The banks are from six to ten feet high, but once or twice rise gently to higher ground. In many places the forest on the bank was but a thin strip, letting the light through from some alder-swamp or meadow behind. The conspicuous berry-bearing bushes and trees along the shore were the red osier, with its whitish fruit, hobble-bush, mountain-ash, tree-cranberry, choke-cherry, now ripe, alternate cornel, and naked viburnum. Following Joe's example, I ate the fruit of the last, and also of the hobble-bush, but found them rather insipid and seedy. I looked very narrowly at the vegetation, as we glided along close to the shore, and frequently made Joe turn aside for me to pluck a plant, that I might see by comparison what was primitive about my native river. Horehound, horsemint, and the sensitive fern grew close to the edge, under the willows and alders, and wool-grass on the islands, as along the Assabet River in Concord. It was too late for flowers, except a few asters, golden-rods, etc. In several places we noticed the slight frame of a camp, such as we had prepared to set up, amid the forest by the river-side, where some lumberers or hunters had passed a night,--and sometimes steps cut in the muddy or clayey bank in front of it.

We stopped to fish for trout at the mouth of a small stream called Ragmuff, which came in from the west, about two miles below the Moosehorn. Here were the ruins of an old lumbering-camp, and a small space, which had formerly been cleared and burned over, was now densely overgrown with the red cherry and raspberries. While we were trying for trout, Joe, Indian-like, wandered off up the Ragmuff on his own errands, and when we were ready to start was far beyond call. So we were compelled to make a fire and get our dinner here, not to lose time. Some dark reddish birds, with grayer females, (perhaps purple finches,) and myrtle-birds in their summer dress, hopped within six or eight feet of us and our smoke. Perhaps they smelled the frying pork. The latter bird, or both, made the lisping notes which I had heard in the forest. They suggested that the few small birds found in the wilderness are on more familiar terms with the lumberman and hunter than those of the orchard and clearing with the farmer. I have since found the Canada jay, and partridges, both the black and the common, equally tame there, as if they had not yet learned to mistrust man entirely. The chickadee, which is at home alike in the primitive woods and in our wood-lots, still retains its confidence in the towns to a remarkable degree.

Joe at length returned, after an hour and a half, and said that he had been two miles up the stream exploring, and had seen a moose, but, not having the gun, he did not get him. We made no complaint, but concluded to look out for Joe the next time. However, this may have been a mere mistake, for we had no reason to complain of him afterwards. As we continued down the stream, I was surprised to hear him whistling "O Susanna," and several other such airs, while his paddle urged us along. Once he said, "Yes, Sir-ee." His common word was "Sartain." He paddled, as usual, on one side only, giving the birch an impulse by using the side as a fulcrum. I asked him how the ribs were fastened to the side rails. He answered, "I don't know, I never noticed." Talking with him about subsisting wholly on what the woods yielded, game, fish, berries, etc., I suggested that his ancestors did so; but he answered, that he had been brought up in such a way that he could not do it. "Yes," said he, "that's the way they got a living, like wild fellows, wild as bears. By George! I shan't go into the woods without provision,--hard bread, pork, etc." He had brought on a barrel of hard bread and stored it at the carry for his hunting. However, though he was a Governor's son, he had not learned to read.

At one place below this, on the east side, where the bank was higher and drier than usual, rising gently from the shore to a slight elevation, some one had felled the trees over twenty or thirty acres, and left them drying in order to burn. This was the only preparation for a house between the Moosehead carry and Chesuncook, but there was no hut nor inhabitants there yet. The pioneer thus selects a site for his house, which will, perhaps, prove the germ of a town.

My eyes were all the while on the trees, distinguishing between the black and white spruce and the fir. You paddle along in a narrow canal through an endless forest, and the vision I have in my mind's eye, still, is of the small dark and sharp tops of tall fir and spruce trees, and pagoda-like arbor-vitae, crowded together on each side, with various hard woods intermixed. Some of the arbor-vitae were at least sixty feet high. The hard woods, occasionally occurring exclusively, were less wild to my eye. I fancied them ornamental grounds, with farm-houses in the rear. The canoe and yellow birch, beech, maple, and elm are Saxon and Norman; but the spruce and fir, and pines generally, are Indian. The soft engravings which adorn the annuals give no idea of a stream in such a wilderness as this. The rough sketches in Jackson's Reports on the Geology of Maine answer much better. At one place we saw a small grove of slender sapling white-pines, the only collection of pines that I saw on this voyage. Here and there, however, was a full-grown, tall, and slender, but defective one, what lumbermen call a kouchus tree, which they ascertain with their axes, or by the knots. I did not learn whether this word was Indian or English. It reminded me of the Greek [Greek: kogchae], a conch or shell, and I amused myself with fancying that it might signify the dead sound which the trees yield when struck. All the rest of the pines had been driven off.

[To be continued.]

* * * * *

LA CANTATRICE.

By day, at a high oak desk I stand,
And trace in a ledger line by line;
But at five o'clock yon dial's hand
Opens the cage wherein I pine;
And as faintly the stroke from the belfry peals
Down through the thunder of hoofs and wheels,
I wonder if ever a monarch feels
Such royal joy as mine!

Beatrice is dressed and her carriage waits;
I know she has heard that signal-chime;
And my strong heart leaps and palpitates,
As lightly the winding stair I climb
To her fragrant room, where the winter's gloom
Is changed by the heliotrope's perfume,
And the curtained sunset's crimson bloom,
To love's own summer prime.

She meets me there, so strangely fair
That my soul aches with a happy pain;--
A pressure, a touch of her true lips, such
As a seraph might give and take again;
A hurried whisper, "Adieu! adieu!
They wait for me while I stay for you!"
And a parting smile of her blue eyes through
The glimmering carriage-pane.

Then thoughts of the past come crowding fast
On a blissful track of love and sighs;--
Oh, well I toiled, and these poor hands soiled,
That her song might bloom in Italian skies!--
The pains and fears of those lonely years,
The nights of longing and hope and tears,--
Her heart's sweet debt, and the long arrears
Of love in those faithful eyes!

O night! be friendly to her and me!--
To box and pit and gallery swarm
The expectant throngs;--I am there to see;--
And now she is bending her radiant form
To the clapping crowd;--I am thrilled and proud;
My dim eyes look through a misty cloud,
And my joy mounts up on the plaudits loud,
Like a sea-bird on a storm!

She has waved her hand; the noisy rush
Of applause sinks down; and silverly
Her voice glides forth on the quivering hush,
Like the white-robed moon on a tremulous sea!
And wherever her shining influence calls,
I swing on the billow that swells and falls,--
I know no more,--till the very walls
Seem shouting with jubilee!

Oh, little she cares for the fop who airs
His glove and glass, or the gay array
Of fans and perfumes, of jewels and plumes,
Where wealth and pleasure have met to pay
Their nightly homage to her sweet song;
But over the bravas clear and strong,
Over all the flaunting and fluttering throng,
She smiles my soul away!

Why am I happy? why am I proud?
Oh, can it be true she is all my own?--
I make my way through the ignorant crowd;
I know, I know where my love hath flown.
Again we meet; I am here at her feet,
And with kindling kisses and promises sweet,
Her glowing, victorious lips repeat
That they sing for me alone!

GOTTFRIED WILHELM VON LEIBNITZ.

The philosophic import of this illustrious name, having suffered temporary eclipse from the Critical Philosophy, with its swift succession of transcendental dynasties,--the *Wissenschaftslehre*, the *Naturphilosophie*, and the *Encyclopaedie*,--has recently emerged into clear and respectful recognition, if not into broad and effulgent repute. In divers quarters, of late, the attention of the learned has reverted to the splendid optimist, whose adventurous intellect left nothing unexplored and almost nothing unexplained. Biographers and critics have discussed his theories,--some in the interest of philosophy, and some in the interest of religion,--some in the spirit of discipleship, and some in the spirit of opposition,--but all with consenting and admiring attestation of the vast erudition and intellectual prowess and unsurpassed capacity [1] of the man.

[Footnote 1: The author of a notice of Leibnitz, more clever than profound, in four numbers of the *Gentleman's Magazine* for 1852, distinguishes between capacity and faculty. He gives his subject credit for the former, but denies his claim to the latter of these attributes. As if any manifestation of mind were more deserving of that title than the power of intellectual concentration, to which

nothing that came within its focus was insoluble.]

A collection of all the works appertaining to Leibnitz, with all his own writings, would make a respectable library. We have no room for the titles of all, even of the more recent of these publications. We content ourselves with naming the Biography, by G. G. Guhrauer, the best that has yet appeared, called forth by the celebration, in 1846, of the ducentesimal birthday of Leibnitz,--the latest edition of his Philosophical Works, by Professor Erdmann of Halle--the publication of his Correspondence with Arnauld, by Herr Grotefend, and of that with the Landgrave Ernst von Hessen Rheinfels, by Chr. von Rommel,--of his Historical Works, by the librarian Pertz of Berlin,--of the Mathematical, by Gerhardt,--Ludwig Jeuerbach's elaborate dissertation, "Darstellung, Entwicklung und Kritik der Leibnitzischen Philosophie,"--Zimmermann's "Leibnitz u. Herbart's Monadologie,"--Schelling's "Leibnitz als Denker,"--Hartenstein's "De Materiae apud Leibnit. Notione,"--and Adolph Helferich's "Spinoza u. Leibnitz: oder Das Wesen des Idealismus u. des Realismus." To these we must add, as one of the most valuable contributions to Leibnitian literature, M. Foucher de Careil's recent publication of certain MSS. of Leibnitz, found in the library at Hanover, containing strictures on Spinoza, (which the editor takes the liberty to call "Refutation Inedite de Spinoza,")--"Sentiment de Worcester et de Locke sur les Idees,"--"Correspondance avec Foucher, Bayle et Fontenelle,"--"Reflexions sur l'Art de connaitre les Homines,"--"Fragmens Divers," etc. [2], accompanied by valuable introductory and critical essays.

[Footnote 2: A second collection, by the same hand, appeared in 1857, with the title, *_Nouvelles Lettres et Opuscules Inedits de Leibnitz_*. Precedes d'une Introduction. Par A. Foucher de Careil. Paris. 1857.]

M. de Careil complains that France has done so little for the memory of a man "qui lui a fait l'honneur d'ecrire les deux tiers de ses oeuvres en Francais." England does not owe him the same obligations, and England has done far less than France,--in fact, nothing to illustrate the memory of Leibnitz; not so much as an English translation of his works, or an English edition of them, in these two centuries. Nor have M. de Careil's countrymen in times past shared all his enthusiasm for the genial Saxon. The barren Psychology of Locke obtained a currency in France, in the last century, which the friendly Realism of his great contemporary could never boast. Raspe, the first who edited the "Nouveaux Essais," takes to himself no small credit for liberality in so doing, and hopes, by rendering equal justice to Leibnitz and to Locke, to conciliate those "who, with the former, think that their wisdom is the sure measure of omnipotence," [3] and those who "believe, with the latter, that the human mind is to the rays of the primal Truth what a night-bird is to the sun." [4]

[Footnote 3:

"Stimai gia che 'l mio saper misura
Certa fosse e infallibile di quanto
Puo far l'alto Fattor della natura."

Tasso, *_Gerus_*, xiv. 45.]

[Footnote 4:

"Augel notturno al sole
E nostra mente a' rai del primo Vero."
lb. 46.]

Voltaire pronounced him "le savant le plus universel de l'Europe," but characterized his metaphysical labors with the somewhat equivocal compliment of "metaphysicien assez delie pour vouloir reconcilier la theologie avec la metaphysique." [5]

[Footnote 5: "On sait que Voltaire n'aimait pas Leibnitz.

J' imagine que c'est le chretien qu'il detestait en lui."
--Ch. Waddington.]

Germany, with all her wealth of erudite celebrities, has produced no other who fulfils so completely the type of the *_Gelehrte_*,--a type which differs from that of the *_savant_* and from that of the scholar, but includes them both. Feuerbach calls him "the personified thirst for Knowledge"; Frederic the Great pronounced him an "Academy of Sciences"; and Fontenelle said of him, that "he saw the end of things, or that they had no end." It was an age of intellectual adventure into which Leibnitz was born,--fit sequel and heir to the age of maritime adventure which preceded it. We please ourselves with fancied analogies between the two epochs and the nature of their discoveries. In the latter movement, as in the former, Italy took the lead. The martyr Giordano Bruno was the brave Columbus of modern thought,--the first who broke loose from the trammels of mediaeval ecclesiastical tradition, and reported a new world beyond the watery waste of scholasticism. Campanella may represent the Vespucci of the new enterprise; Lord Bacon its Sebastian Cabot,--the "Novum Organum" being the Newfoundland of modern experimental science. Des Cartes was the Cortes, or shall we rather say the Ponce de Leon, of scientific discovery, who, failing to find what he sought,--the Principle of Life, (the Fountain of Eternal Youth,)--yet found enough to render his name immortal and to make mankind his debtor. Spinoza is the spiritual Magalhaens, who, emerging from the straits of Judaism, beheld

"Another ocean's breast immense, unknown."

Of modern thinkers he was

"---the first
That ever burst
Into that silent sea."

He discovered the Pacific of philosophy,--that theory of the sole Divine Substance, the All-One, which Goethe in early life found so pacifying to his troubled spirit, and which, vague and barren as it proves on nearer acquaintance, induces at first, above all other systems, a sense of repose in illimitable vastness and immutable

necessity.

But the Vasco de Gama of his day was Leibnitz. His triumphant optimism rounded the Cape of the theological Good Hope. He gave the chief impulse to modern intellectual commerce. Full freighted, as he was, with Western thought, he revived the forgotten interest in the Old and Eastern World, and brought the ends of the earth together. Circumnavigator of the realms of mind, wherever he touched, he appeared as discoverer, as conqueror, as lawgiver. In mathematics, he discovered or invented the Differential Calculus,--the logic of transcendental analysis, the infallible method of astronomy, without which it could never have compassed the large conclusions of the "Mecanique Celeste." In his "Protogaea," published in 1693, he laid the foundation of the science of Geology. From his observations, as Superintendent of the Hartz Mines, and those which he made in his subsequent travels through Austria and Italy,--from an examination of the layers, in different localities, of the earth's crust, he deduced the first theory, in the geological sense, which has ever been propounded, of the earth's formation. Orthodox Lutheran as he was, he braved the theological prejudices which then, even more than now, affronted scientific inquiry in that direction. "First among men," says Flourens, "he demonstrated the two agencies which successively have formed and reformed the globe,--fire and water." In the region of metaphysical inquiry, he propounded a new and original theory of Substance, and gave to philosophy the Monad, the Law of Continuity, the Preestablished Harmony, and the Best Possible World.

Born at Leipzig, in 1646,--left fatherless at the age of six years,--by the care of a pious mother and competent guardians, young Leibnitz enjoyed such means of education as Germany afforded at that time, but declares himself, for the most part, self-taught [6].

[Footnote 6: "Duo, ihi profuere mirifice, (quae tamen alioqui ambigna, et pluribus noxia esse solent,) primum quod fere essem [Greek: autodidaktos], alterum quod quaererem nova in unaquaque scientia."
--LEIBNIT. *Opera Philosoph.* Erdmann. p. 162.]

So genius must always be, for want of any external stimulus equal to its own impulse. No normal training could keep pace with his abnormal growth. No school discipline could supply the fuel necessary to feed the consuming fire of that ravenous intellect. Grammars, manuals, compends,--all the apparatus of the classes,--were only oil to its flame. The Master of the Nicolai-Schule in Leipzig, his first instructor, was a steady practitioner of the Martinet order. The pupils were ranged in classes corresponding to their civil ages,--their studies graduated according to the baptismal register. It was not a question of faculty or proficiency, how a lad should be classed and what he should read, but of calendar years. As if a shoemaker should fit his last to the age instead of the foot. Such an age, such a study. Gottfried is a genius, and Hans is a dunce; but Gottfried and Hans were both born in 1646; consequently, now, in 1654, they are both equally fit for the Smaller Catechism. Leibnitz was ready for Latin long before the time

allotted to that study in the Nicolai-Schule, but the system was inexorable. All access to books cut off by rigorous proscription. But the thirst for knowledge is not easily stifled, and genius, like love, "will find out his way."

He chanced, in a corner of the house, to light on an odd volume of Livy, left there by some student boarder. What could Livy do for a child of eight years, with no previous knowledge of Latin, and no lexicon to interpret between them? For most children, nothing. Not one in a thousand would have dreamed of seriously grappling with such a mystery. But the brave Patavinian took pity on our little one and yielded something to childish importunity. The quaint old copy was garnished, according to a fashion of the time, with rude wood-cuts, having explanatory legends underneath. The young philologist tugged at these until he had mastered one or two words. Then the book was thrown by in despair as impracticable to further investigation. Then, after one or two weeks had elapsed, for want of other employment, it was taken up again, and a little more progress made. And so by degrees, in the course of a year, a considerable knowledge of Latin had been achieved. But when, in the Nicolai order, the time for this study arrived, so far from being pleased to find his instructions anticipated, or welcoming such promise of future greatness,--so far from rejoicing in his pupil's proficiency, the pedagogue chafed at the insult offered to his system by this empiric antepast. He was like one who suddenly discovers that he is telling an old story where he thought to surprise with a novelty; or like one who undertakes to fill a lamp, which, being (unknown to him) already full, runs over, and his oil is spilled. It was "oleum perdidit" in another sense than the scholastic one. Complaint was made to the guardians of the orphan Gottfried of these illicit visits to the tree of knowledge. Severe prohibitory measures were recommended, which, however, judicious counsel from another quarter happily averted.

At the age of eleven, Leibnitz records, that he made, on one occasion, three hundred Latin verses without elision between breakfast and dinner. A hundred hexameters, or fifty distichs, in a day, is generally considered a fair pensum for a boy of sixteen at a German gymnasium.

At the age of seventeen, he produced, as an academic exercise, on taking the degree of Bachelor of Philosophy, his celebrated treatise on the Principle of Individuality, "De Principe Individui," the most extraordinary performance ever achieved by a youth of that age,--remarkable for its erudition, especially its intimate knowledge of the writings of the Schoolmen, and equally remarkable for its vigorous grasp of thought and its subtile analysis. In this essay Leibnitz discovered the bent of his mind and prefigured his future philosophy, in the choice of his theme, and in his vivid appreciation and strenuous positing of the individual as the fundamental principle of ontology. He takes Nominalistic ground in relation to the old controversy of Nominalist and Realist, siding with Abelard and Roscellin and Occam, and against St. Thomas and Duns Scotus. The

principle of individuation, he maintains, is the entire entity of the individual, and not mere limitation of the universal, whether by "Existence" or by "_Haecceity_." [7] John and Thomas are individuals by virtue of their integral humanity, and not by fractional limitation of humanity. Dobbin is an actual positive horse (_Entitas tota_). Not a negation, by limitation, of universal equinity (_Negatio_). Not an individuation, by actual existence, of a non-existent but essential and universal horse (_Existentia_). Nor yet a horse only by limitation of kind,--a horse minus Dick and Bessie and the brown mare, etc. (_Haecceitas_). But an individual horse, simply by virtue of his equine nature. Only so far as he is an actual complete horse, is he an individual at all. (_Per quod quid est, per id unum numero est_) His individuality is nothing superadded to his equinity. (_Unum supra ens nihil addit reale_) Neither is it anything subtracted therefrom. (_Negatio non potest producere accidentia individualia_) In fine, there is and can be no horse but actual individual horses. (_Essentia et existentia non possunt separari_)

[Footnote 7: "Aut enim principium individuationis ponitur _entitas tota_, (1) aut non tota. Non totam aut negatio exprimit, (2) aut aliquid positivum. Positivum aut pars physica est, essentiam terminans, _existentia_, (3) aut metaphysica, speciem terminans, _haec ceitas_. (4)... Pono igitur: omne individuum sua tota entitate individuatur."

--_De Princ. Indiv_. 3 et 4.]

This was the doctrine of the Nominalists, as it was of Aristotle before them. It was the doctrine of the Reformers, except, if we remember rightly, of Huss. The University of Leipzig was founded upon it. It is the current doctrine of the present day, and harmonizes well with the current Materialism. Not that Nominalism in itself, and as Leibnitz held it, is necessarily materialistic, but Realism is essentially antimaterialistic. The Realists held with Plato,--but not in his name, for they, too, claimed to be Aristotelian, and preeminently so,--that the ideal must precede the actual. So far they were right. This was their strong point. Their error lay in claiming for the ideal an objective reality, an independent being. Conceptualism was only another statement of Nominalism, or, at most, a question of the relation of language to thought. It cannot be regarded as a third issue in this controversy,--a controversy in which more time was consumed, says John of Salisbury, "than the Caesars required to make themselves masters of the world," and in which the combatants, having spent at last their whole stock of dialectic ammunition, resorted to carnal weapons, passing suddenly, by a very illogical _metabasis_, from "universals" to particulars. Both parties appealed to Aristotle. By a singular fortune, a pagan philosopher, introduced into Western Europe by Mohammedans, became the supreme authority of the Christian world. Aristotle was the Scripture of the Middle Age. Luther found this authority in his way and disposed of it in short order, devoting Aristotle without ceremony to the Devil, as "a damned mischief-making heathen." But Leibnitz, whose large discourse looked before as well as after,

reinstated not only Aristotle, but Plato, and others of the Greek philosophers, in their former repute;--"Car ces anciens," he said, "etaient plus solides qu'on ne croit." He was the first to turn the tide of popular opinion in their favor.

Not without a struggle was he brought to side with the Nominalists. Musing, when a boy, in the Rosenthal, near Leipzig, he debated long with himself,--"Whether he would give up the Substantial Forms of the Schoolmen." Strange matter for boyish deliberation! Yes, good youth, by all means, give them up! They have had their day. They served to amuse the imprisoned intellect of Christendom in times of ecclesiastical thralldom, when learning knew no other vocation. But the age into which you are born has its own problems, of nearer interest and more commanding import. The measuring-reed of science is to be laid to the heavens, the solar system is to be weighed in a balance; the age of logical quiddities has passed, the age of mathematical quantities has come. Give them up! You will soon have enough to do to take care of your own. What with Dynamics and Infinitesimals, Pasigraphy and Dyadik, Monads and Majesties, Concilium Aegyptiacum and Spanish Succession and Hanoverian cabals, there will be scant room in that busy brain for Substantial Forms. Let them sleep, dust to dust, with the tomes of Duns Scotus and the bones of Aquinas!

The "De Principio Individui" was the last treatise of any note in the sense and style of the old scholastic philosophy. It was also one of the last blows aimed at scholasticism, which, long undermined by the Saxon Reformation, received its coup de grace a century later from the pen of an English wit. "Cornelius," says the author of "Martinus Scriblerus," told Martin that a shoulder of mutton was an individual; which Crambe denied, for he had seen it cut into commons. 'That's true,' quoth the Tutor, 'but you never saw it cut into shoulders of mutton.' 'If it could be,' quoth Crambe, 'it would be the loveliest individual of the University.' When he was told that a substance was that which is subject to accidents: 'Then soldiers,' quoth Crambe, 'are the most substantial people in the world.' Neither would he allow it to be a good definition of accident, that it could be present or absent without the destruction of the subject, since there are a great many accidents that destroy the subject, as burning does a house and death a man. But as to that, Cornelius informed him that there was a natural death and a logical death; and that though a man after his natural death was incapable of the least parish office, yet he might still keep his stall among the logical predicaments....

Crambe regretted extremely that Substantial Forms, a race of harmless beings which had lasted for many years and had afforded a comfortable subsistence to many poor philosophers, should now be hunted down like so many wolves, without the possibility of retreat. He considered that it had gone much harder with them than with the Essences, which had retired from the schools into the apothecaries' shops, where some of them had been advanced into the degree of Quintessences. He thought there should be a retreat for poor

substantial forms amongst the gentlemen-ushers at court; and that there were, indeed, substantial forms, such as forms of prayer and forms of government, without which the things themselves could never long subsist....

Metaphysics were a large field in which to exercise the weapons which logic had put in their hands. Here Martin and Crambe used to engage like any prizefighters. And as prize-fighters will agree to lay aside a buckler, or some such defensive weapon, so Crambe would agree not to use _simpliciter_ and _secundum quid_, if Martin would part with _materialiter_ and _formaliter_. But it was found, that, without the defensive armor of these distinctions, the arguments cut so deep that they fetched blood at every stroke. Their theses were picked out of Suarez, Thomas Aquinas, and other learned writers on those subjects.... One, particularly, remains undecided to this day,-- 'An praeter _esse_ reale actualis essentiae sit aliud _esse_ necessarium quo res actualiter existat?' In English thus: 'Whether, besides the real being of actual being, there be any other being necessary to cause a thing to be?' [8]

[Footnote 8: Memoirs of Martinus Scriblerus. Chap. VII.]

Arrived at maturity, Leibnitz rose at once to classic eminence. He became a conspicuous figure, he became a commanding power, not only in the intellectual world, of which he constituted himself the centre, but in part also of the civil. It lay in the nature of his genius to prove all things, and it lay in his temperament to seek _rapport_ with all sorts of men. He was infinitely related;--not an individual of note in his day but was linked with him by some common interest or some polemic grapple; not a _savant_ or statesman with whom Leibnitz did not spin, on one pretence or another, a thread of communication. Europe was reticulated with the meshes of his correspondence. "Never," says Voltaire, "was intercourse among philosophers more universal; _Leibnitz servait a l'animer_." He writes now to Spinoza at the Hague, to suggest new methods of manufacturing lenses,--now to Magliabecchi at Florence, urging, in elegant Latin verses, the publication of his bibliographical discoveries,--and now to Grimaldi, Jesuit missionary in China, to communicate his researches in Chinese philosophy. He hoped by means of the latter to operate on the Emperor Cham-Hi with the _Dyadik_; [9] and even suggested said _Dyadik_ as a key to the cipher of the book "Ye Kim," supposed to contain the sacred mysteries of Fo. He addresses Louis XIV., now on the subject of a military expedition to Egypt, (a magnificent idea, which it needed a Napoleon to realize,) now on the best method of promoting and conserving scientific knowledge. He corresponds with the Landgrave of Hesse-Rheinfels, with Bossuet, and with Madame Brinon on the Union of the Catholic and Protestant Churches, and with Privy-Counsellor von Spanheim on the Union of the Lutheran and Reformed,--with Pere Des Bosses on Transubstantiation, and with Samuel Clarke on Time and Space,--with Remond de Montmort on Plato, and with Franke on Popular Education,--with the Queen of Prussia (his pupil) on Free-will and Predestination, and with the Electress Sophia, her mother, (in her eighty-fourth year,)

on English Politics,--with the cabinet of Peter the Great on the Slavonic and Oriental Languages, and with that of the German Emperor on the claims of George Lewis to the honors of the Electorate,--and finally, with all the _savans_ of Europe on all possible scientific questions.

[Footnote 9: A species of binary arithmetic, invented by Leibnitz, in which the only figures employed are 0 and 1.--See KORTHOLT'S _G.C. Leibnitii Epistolae ad Divarsos_, Letter XVIII.]

[Transcriber's note: without this notation and its underlying logic, the development of modern computers would have not been practical.]

Of this world-wide correspondence a portion related to the sore subject of his litigated claim to originality in the discovery of the Differential Calculus,--a matter in which Leibnitz felt himself grievously wronged, and complained with justice of the treatment he received at the hands of his contemporaries. The controversy between him and Newton, respecting this hateful topic, would never have originated with either of these illustrious men, had it depended on them alone to vindicate their respective claims. Officious and ill-advised friends of the English philosopher, partly from misguided zeal and partly from levelled malice, preferred on his behalf a charge of plagiarism against the German, which Newton was not likely to have urged for himself. "The new Calculus, which Europe lauds, is nothing less," they suggested, "than your fluxionary method, which Mr. Leibnitz has pirated, anticipating its tardy publication by the genuine author. Why suffer your laurels to be wrested from you by a stranger?" Thereupon arose the notorious _Commercium Epistolicum_, in which Wallis, Fatio de Duillier, Collins, and Keill were perversely active. Melancholy monument of literary and national jealousy! Weary record of a vain strife! Ideas are no man's property. As well pretend to ownership of light, or set up a claim to private estate in the Holy Ghost. The Spirit blows where it lists. Truth inspires whom it finds. He who knows best to conspire with it has it. Both philosophers swerved from their native simplicity and nobleness of soul. Both sinned and were sinned against. Leibnitz did unhandsome things, but he was sorely tried. His heart told him that the right of the quarrel was on his side, and the general stupidity would not see it. The general malice, rejoicing in aspersion of a noble name, would not see it. The Royal Society would not see it,--nor France, until long after Leibnitz's death. Sir David Brewster's account of the matter, according to the German authorities, Gerhardt, Guhrauer, and others, is one-sided, and sins by _suppressio veri_, ignoring important documents, particularly Leibnitz's letter to Oldenburg, August 27, 1676. Gerhardt has published Leibnitz's own history of the Calculus as a counter-statement. [10] But even from Brewster's account, as we remember it, (we have it not by us at this writing.) there is no more reason to doubt that Leibnitz's discovery was independent of Newton's than that Newton's was independent of Leibnitz's. The two discoveries, in fact, are not identical; the end and application are the same, but origin and process differ, and the German method has long superseded the English. The question in debate

has been settled by supreme authority. Leibnitz has been tried by his peers. Euler, Lagrange, Laplace, Poisson, and Biot have honorably acquitted him of plagiarism, and reinstated him in his rights as true discoverer of the Differential Calculus.

[Footnote 10: *Historia et Oriffo Calculi Differentialis*, a G. G. LEIBNITIO conscripts.]

[Transcriber's note: this controversy rages in academia to this day.]

The one distinguishing trait of Leibnitz's genius, and the one predominant fact in his history, was what Feuerbach calls his [Greek: *polupraguoshinae*], which, being interpreted, means having a finger in every pie. We are used to consider him as a man of letters; but the greater part of his life was spent in labors of quite another kind. He was more actor than writer. He wrote only for occasions, at the instigation of others, or to meet some pressing demand of the time. Besides occupying himself with mechanical inventions, some of which (in particular, his improvement of Pascal's Calculating Machine) were quite famous in their day,--besides his project of a universal language, and his labors to bring about a union of the churches,--besides undertaking the revision of the laws of the German Empire, superintending the Hanoverian mines, experimenting in the culture of silk, directing the medical profession, laboring in the promotion of popular education, establishing academies of science, superintending royal libraries, ransacking the archives of Germany and Italy to find documents for his history of the House of Brunswick, a work of immense research [11],--besides these, and a multitude of similar and dissimilar avocations, he was deep in politics, German and European, and was occupied all his life long with political negotiations. He was a courtier, he was a diplomat, was consulted on all difficult matters of international policy, was employed at Hanover, at Berlin, at Vienna, in the public and secret service of ducal, royal, and imperial governments, and charged with all sorts of delicate and difficult commissions,--matters of finance, of pacification, of treaty and appeal. He was Europe's factotum. A complete biography of the man would be an epitome of the history of his time. The number and variety of his public engagements were such as would have crazed any ordinary brain. And to these were added private studies not less multifarious. "I am distracted beyond all account," he writes to Vincent Placcius. "I am making extracts from archives, inspecting ancient documents, hunting up unpublished manuscripts; all this to illustrate the history of Brunswick. Letters in great number I receive and write. Then I have so many discoveries in mathematics, so many speculations in philosophy, so many other literary observations, which I am desirous of preserving, that I am often at a loss what to take hold of first, and can fairly sympathize in that saying of Ovid, 'I am straitened by my abundance.' [12]"

[Footnote 11: *Annals Imperii Occidentis Brunsvicensis*. Leibnitz succeeded in discovering at Modena the lost traces of that connection between the lines of Brunswick and Esto which had been surmised, but not proved.]

[Footnote 12: "Quam mirifice sim distractus dici non potest. Varia ex archivis eruo, antiquas chartas inspicio, manuscripta inedita conquiro. Ex hic lucem dare conor Brunsvicensi historiae. Magno numero litteras et accipio et dimitto. Habeo vero tam multa nova in mathematicis, tot cogitationes in philosophicis, tot alias literarias observationes, quas vellem non perire, ut saepe inter agenda anceps haeream et prope illud Ovidianum sentiam: _Iniopem me copia facit_."]

His diplomatic services are less known at present than his literary labors, but were not less esteemed in his own day. When Louis XIV., in 1688, declared war against the German Empire, on the pretence that the Emperor was meditating an invasion of France, Leibnitz drew up the imperial manifesto, which repelled the charge and triumphantly exposed the hollowness of Louis's cause. Another document, prepared by him at the solicitation, it is supposed, of several of the courts of Europe, advocating the claims of Charles of Austria to the vacant throne of Spain, in opposition to the grandson of Louis, and setting forth the injurious consequences of the policy of the French monarch, was hailed by his contemporaries as a masterpiece of historical learning and political wisdom. By his powerful advocacy of the cause of the Elector of Brandenburg he may be said to have aided the birth of the kingdom of Prussia, whose existence dates with the commencement of the last century. In the service of that kingdom he wrote and published important state-papers; among them, one relating to a point of contested right to which recent events have given fresh significance: "Traite: Sommaire du Droit de Frederic I. Roi de Prusse a la Souverainete de Neufchatel et de Vallengin en Suisse."

In Vienna, as at Berlin, the services of Leibnitz were subsidized by the State. By the Peace of Utrecht, the house of Habsburg had been defeated in its claims to the Spanish throne, and the foreign and internal affairs of the Austrian government were involved in many perplexities, which, it was hoped, the philosopher's counsel might help to untangle. He was often present at the private meetings of the cabinet, and received from the Emperor the honorable distinction of Kaiserlicher Hofrath, in addition to that, which had previously been awarded to him, of Baron of the Empire. The highest post in the gift of government was open to him, on condition of renouncing his Protestant faith, which, notwithstanding his tolerant feeling toward the Roman Church, and the splendid compensations which awaited such a convertite, he could never be prevailed upon to do.

A natural, but very remarkable consequence of this manifold activity and lifelong absorption in public affairs was the failure of so great a thinker to produce a single systematic and elaborate work containing a complete and detailed exposition of his philosophical, and especially his ontological views. For such an exposition Leibnitz could find at no period of his life the requisite time and scope. In the vast multitude of his productions there is no complete philosophic work. The most arduous of his literary labors are historical compilations, made in the service of the State. Such were

the "History of the House of Brunswick," already mentioned, the "Accessiones Historiae," the "Scriptores Rerum Brunsvicensium Illustrationi inservientes," and the "Codex Juris Gentium Diplomaticus";-- works involving an incredible amount of labor and research, but adding little to his posthumous fame. His philosophical studies, after entering the Hanoverian service, which he did in his thirtieth year, were pursued, as he tells his correspondent Placcius, by stealth,--that is, at odd moments snatched from official duties and the cares of state. Accordingly, his metaphysical works have all a fragmentary character. Instead of systematic treatises, they are loose papers, contributions to journals and magazines, or sketches prepared for the use of friends. They are all occasional productions, elicited by some external cause, not prompted by inward necessity. The "Nouveaux Essais," his most considerable work in that department, originated in comments on Locke, and was not published until after his death. The "Monadology" is a series of propositions drawn up for the use of Prince Eugene, and was never intended to be made public. And, probably, the "Theodicee" would never have seen the light except for his cultivated and loved pupil, the Queen of Prussia, for whose instruction it was designed.

It is a curious fact, and a good illustration of the state of letters in Germany at that time, that Leibnitz wrote so little--almost nothing of importance--in his native tongue. In Erdmann's edition of his philosophical works there are only two short essays in German; the rest are all Latin or French. He had it in contemplation at one time to establish a philosophical journal in Berlin, but doubts, in his letter to M. La Croye on the subject, in what language it should be conducted: "Il y a quelque tems que j'ay pense a un journal de Savans qu'on pourroit publier a Berlin, mais je suis un peu en doute sur la langue ... Mais soit qu'on prit le Latin ou le Francois," [13] etc. It seems never to have occurred to him that such a journal might be published in German. That language was then, and for a long time after, regarded by educated Germans very much as the Russian is regarded at the present day, as the language of vulgar life, unsuited to learned or polite intercourse. Frederic the Great, a century later, thought as meanly of its adaptation to literary purposes as did the contemporaries of Leibnitz. When Gellert, at his request, repeated to him one of his fables, he expressed his surprise that anything so clever could be produced in German. It may be said in apology for this neglect of their native tongue, that the German scholars of that age would have had a very inadequate audience, had their communications been confined to that language. Leibnitz craved and deserved a wider sphere for his thoughts than the use of the German could give him. It ought, however, to be remembered to his credit, that, as language in general was one among the numberless topics he investigated, so the German in particular engaged at one time his special attention. It was made the subject of a disquisition, which suggested to the Berlin Academy, in the next century, the method adopted by that body for the culture and improvement of the national speech. In this writing, as in all his German compositions, he manifested a complete command of the language, and imparted to it a purity and elegance of diction very uncommon in

his day. The German of Leibnitz is less antiquated at this moment than the English of his contemporary, Locke.

[Footnote 13: KORTHOLT. *_Epistolae ad Diversos_*, Vol. I.]

LEIBNITZ'S PHILOSOPHY.

The interest to us in this extraordinary man--who died at Hanover, 1716, in the midst of his labors and projects--turns mainly on his speculative philosophy. It was only as an incidental pursuit that he occupied himself with metaphysic; yet no philosopher since Aristotle--with whom, though claiming to be more Platonic than Aristotelian, he has much in common--has furnished more luminous hints to the elucidation of metaphysical problems. The problems he attempted were those which concern the most inscrutable, but, to the genuine metaphysician, most fascinating of all topics, the nature of substance, matter and spirit, absolute being,--in a word, *_Ontology_*. This department of metaphysic, the most interesting, and, *_agonistically_* [14], the most important branch of that study, has been deliberately, purposely, and, with one or two exceptions, uniformly avoided by the English metaphysicians so-called, with Locke at their head, and equally by their Scottish successors, until the recent "Institutes" of the witty Professor of St. Andrew's. Locke's "Essay concerning the Human Understanding," a century and a half ago, diverted the English mind from metaphysic proper into what is commonly called Psychology, but ought, of right, to be termed *_Noology_*, or "Philosophy of the Human Mind," as Dugald Stewart entitled his treatise. This is the study which has usually taken the place of metaphysic at Cambridge and other colleges,--the science that professes to show "how ideas enter the mind"; which, considering the rareness of the occurrence with the mass of mankind, we cannot regard as a very practical inquiry. We well remember our disappointment, when, at the usual stage in the college curriculum, we were promised "metaphysics" and were set to grind in Stewart's profitless mill, where so few problems of either practical or theoretical importance are brought to the hopper, and where, in fact, the object is rather to show how the upper mill-stone revolves upon the nether, (reflection upon sensation,) and how the grist is conveyed to the feeder, than to realize actual metaphysical flour.

[Footnote 14: That is, as a discipline of the faculties,--the chief benefit to be derived from any kind of metaphysical study.]

Locke's reason for repudiating ontology is the alleged impossibility of arriving at truth in that pursuit,--"of finding satisfaction in a quiet and sure possession of truths that most concern us, whilst we let loose our thoughts into the vast ocean of being." [15] Unfortunately, however, as Kant has shown, the results of noological inquiry are just as questionable as those of ontology, whilst the topics on which it is employed are of far inferior moment. If, as Locke intimates, we can know nothing of being without first

analyzing the understanding, it is equally sure that we can know nothing of the understanding except in union with and in action on being. And excepting his own fundamental position concerning the sensuous origin of our ideas,--to which few, since Kant, will assent,--there is hardly a theorem, in all the writings of this school, of prime and vital significance. The school is tartly, but aptly, characterized by Professor Ferrier: "Would people inquire directly into the laws of thought and of knowledge by merely looking to knowledge or to thought itself, without attending to what is known or what is thought of? Psychology usually goes to work in this abstract fashion; but such a mode of procedure is hopeless,--as hopeless as the analogous instance by which the wits of old were wont to typify any particularly fruitless undertaking,--namely, the operation of milking a he-goat into a sieve. No milk comes, in the first place, and even that the sieve will not retain! There is a loss of nothing twice over. Like the man milking, the inquirer obtains no milk in the first place; and, in the second place, he loses it, like the man holding the sieve.... Our Scottish philosophy, in particular, has presented a spectacle of this description. Reid obtained no result, owing to the abstract nature of his inquiry, and the nothingness of his system has escaped through all the sieves of his successors." [16]

[Footnote 15: *_Essay_*, Book I. Chap. 1, Sect. 7.]

[Footnote 16: *_Institutes of Metaphysic_*, p. 301.]

Leibnitz's metaphysical speculations are scattered through a wide variety of writings, many of which are letters to his contemporaries. These Professor Erdmann has incorporated in his edition of the *Philosophical Works*. Beside these we may mention, as particularly deserving of notice, the "*Meditationes de Cognitione, Veritate et Ideis*", the "*Systeme Nouveau de la Nature*", "*De Primae Philosophiae Emendatione et de Notione Substantiae*", "*Reflexions sur l'Essai de l'Entendement humain*", "*De Rerum Originatione Radicali*", "*De ipsa Natura*", "*Considerations sur la Doctrine d'un Esprit universel*", "*Nouveaux Essais sur l'Entendement humain*", "*Considerations sur le Principe de Vie*". To these we must add the "*Theodicee*" (though more theological than metaphysical) and the "*Monadologie*", the most compact philosophical treatise of modern time. It is worthy of note, that, writing in the desultory, fragmentary, and accidental way he did, he not only wrote with unexampled clearness on matters the most abstruse, but never, that we are aware, in all the variety of his communications, extending over so many years, contradicted himself. No philosopher is more intelligible, none more consequent.

In philosophy, Leibnitz was a *_Realist_*. We use that term in the modern, not in the scholastic sense. In the scholastic sense, as we have seen, he was not a Realist, but, from childhood up, a Nominalist. But the Realism of the schools has less affinity with the Realism than with the Idealism of the present day.

His opinions must be studied in connection with those of his

contemporaries.

Des Cartes, Spinoza, Locke, and Leibnitz, the four most distinguished philosophers of the seventeenth century, represent four widely different and cardinal tendencies in philosophy: Dualism, Idealism, Sensualism, and Realism.

Des Cartes perceived the incompatibility of the two primary qualities of being, thought and extension, as attributes of one and the same (created) substance. He therefore postulated two (created) substances,--one characterized by thought without extension, the other by extension without thought. These two are so alien and so incongruous, that neither can influence the other, or determine the other, or any way relate with the other, except by direct mediation of Deity. (The doctrine of Occasional Causes.) This is Dualism,-- that sharp and rigorous antithesis of mind and matter, which Des Cartes, if he did not originate it, was the first to develop into philosophic significance, and which ever since has been the prevailing ontology of the Western world. So deeply has the thought of that master mind inwrought itself into the very consciousness of humanity!

Spinoza saw, that, if God alone can bring mind and matter together and effect a relation between them, it follows that mind and matter, or their attributes, however contrary, do meet in Deity; and if so, what need of three distinct natures? What need of two substances beside God, as subjects of these attributes? Retain the middle term and drop the extremes and you have the Spinozan doctrine of one (uncreated) substance, combining the attributes of thought and extension. This is Pantheism, or objective idealism, as distinguished from the subjective idealism of Fichte. Strange, that the stigma of atheism should have been affixed to a system whose very starting-point is Deity and whose great characteristic is the ignorance of everything but Deity, insomuch that the pure and devout Novalis pronounced the author a God-drunken man, and Spinozism a surfeit of Deity. [17]

[Footnote 17: Let us not be misunderstood. Pantheism is not Theism, and the one substance of Spinoza is very unlike the one God of theology; but neither is the doctrine Atheism in any legitimate sense.]

Naturally enough, the charge of atheism comes from the unbelieving Bayle, whose omnivorous mind, like the anaconda, assisted its enormous deglutition with a poisonous saliva of its own, and whose negative temper makes the "Dictionnaire Historique" more Morgue than Valhalla.

Locke, who combined in a strange union strong religious faith with philosophic unbelief, turned aside, as we have seen, from the questions which had occupied his predecessors; knew little and cared less about substance and accident, matter and spirit; but set himself to investigate the nature of the organ itself by which truth is apprehended. In this investigation he began by emptying the mind

of all native elements of knowledge. He repudiated any supposed dowry of original truths or innate or connate ideas, and endeavored to show how, by acting on the report of the senses and personal experience, the understanding arrives at all the ideas of which it is conscious. The mode of procedure in this case is empiricism; the result with Locke was sensualism,--more fully developed by Condillac, [18] in the next century. But the same method may lead, as in the case of Berkeley, to immaterialism, falsely called idealism. Or it may lead, as in the case of Helvetius, to materialism. Locke himself would probably have landed in materialism, had he followed freely the bent of his own thought, without the restraints of a cautious temper, and respect for the common and traditional opinion of his time. The "Essay" discovers an unmistakable leaning in that direction; as where the author supposes, "We shall never be able to know whether any mere material being thinks or no; it being impossible for us, by the contemplation of our own ideas, without revelation, to discover whether Omnipotency has not given to some systems of matter fitly disposed a power to perceive and think;... it being, in respect of our notions, not much more remote from our comprehension to conceive that God can, if he pleases, superadd to matter a faculty of thinking, than that he should superadd to it another substance with a faculty of thinking, since we know not wherein thinking consists, nor to what sort of substances the Almighty has been pleased to give that power, which cannot be in any created being but merely by the good pleasure and bounty of the Creator. For I see no contradiction in it, that the first thinking eternal Being should, if he pleased, give to certain systems of created, senseless matter, put together as he thinks fit, some degrees of sense, perception, and thought." With such notions of the nature of thought, as a kind of mechanical contrivance, that can be conferred outright by an arbitrary act of Deity, and attached to one nature as well as another, it is evident that Locke could have had no idea of spirit as conceived by metaphysicians,--or no belief in that idea, if conceived. And with such conceptions of Deity and Divine operations, as consisting in absolute power dissociated from absolute reason, one would not be surprised to find him asserting, that God, if he pleased, might make two and two to be one, instead of four,--that mathematical laws are arbitrary determinations of the Supreme Will,--that a thing is true only as God wills it to be so,--in fine, that there is no such thing as absolute truth. The resort to "Omnipotency" in such matters is more convenient than philosophical; it is a dodging of the question, instead of an attempt to solve it. Divine ordination--"[Greek: Doz d' etelevo Bonlae]"--is a maxim which settles all difficulties. But it also precludes all inquiry. Why speculate at all, with this universal solvent at hand?

[Footnote 18: *Essai sur l'Origine du Connaissances humaines*. Book IV. Chap. 3, Sect. 6.]

The "contradiction" which Locke could not see was clearly seen and keenly felt by Leibnitz. The arbitrary will of God, to him, was no solution. He believed in necessary truths independent of the Supreme Will; in other words, he believed that the Supreme Will is but the

organ of the Supreme Reason: "Il ne faut point s'imaginer, que les verites eternelles, etant dependantes de Dieu, sont arbitrages et dependent de sa volonte." He felt, with Des Cartes, the incompatibility of thought with extension, considered as an immanent quality of substance, and he shared with Spinoza the unific propensity which distinguishes the higher order of philosophic minds. Dualism was an offence to him. On the other hand, he differed from Spinoza in his vivid sense of individuality, of personality. The pantheistic idea of a single, sole being, of which all other beings are mere modalities, was also and equally an offence to him. He saw well the illusoriness and unfruitfulness of such a universe as Spinoza dreamed. He saw it to be a vain imagination, a dream-world, "without form and void," nowhere blossoming into reality. The philosophy of Leibnitz is equally remote from that of Des Cartes on the one hand, and from that of Spinoza on the other. He diverges from the former on the question of substance, which Des Cartes conceived as consisting of two kinds, one active (thinking) and one passive (extended), but which Leibnitz conceives to be all and only active. He explodes Dualism, and resolves the antithesis of matter and spirit by positing extension as a continuous act instead of a passive mode, substance as an active force instead of an inert mass,--matter as substance appearing, communicating,--as the necessary band and relation of spirits among themselves. [19]

[Footnote 19: The following passages may serve as illustrations of these positions:--

"Materia habet de se actum entitativum."--_De Princip. Individ_.
Coroll. I.

"Dicam interim notionem virium seu virtutis, (quam Germani vocant _Kraft_, Galli, _la force_,) cui ego explicandae peculiarem Dynamices scientiam destinavi, plurimum lucis afferre ad veram notionem substantiae intelligendam."--_De Primae Philosoph. Emendat, et de Notione Substantiae_.

"Corpus ergo est agens extensum; dici poterit esse substantiam extensam, modo teneatur omnem substantiam _agere_, at omne agens substantiam_ appellari." "Patebit non tantum mentes, sed etiam substantiae omnes in loco, non nisi per _operationem_ esse."--
De Vera Method. Phil. et Theol.

"Extensionem concipere ut absolutum ex eo forte oritur quod spatium concipimus per modum substantiae"--_Ad Des Bosses Ep_. XXIX.

"Car l'etendue ne signifie qu'une repetition ou multiplicite continuee de ce qui est repandu."--_Extrait d'une Lettre_, etc.

"Et l'on peut dire que l'etendue est en quelque facon a l'espace comme la duree est au tems."--_Exam. des Principes de Malebranche_.

"La nature de la substance consistant a mon avis dans cette tendance reglee de laquelle les phenomenes naissent par ordre."--_Lettre a

M. Bayle_.

"Car rien n'a mieux marque la substance que la puissance d'agir."--
Reponse aux Objections du P. Lami.

"S'il n'y avait que des esprits, ils seraient sans la liaison
necessaire, sans l'ordre des tems et des lieux."--_Theod_. Sect. 120.]

He parts company with Spinoza on the question of individuality. Substance is homogeneous; but substances, or beings, are infinite. Spinoza looked upon the universe and saw in it the undivided background on which the objects of human consciousness are painted as momentary pictures. Leibnitz looked and saw that background, like the background of one of Raphael's Madonnas, instinct with individual life, and swarming with intelligences which look out from every point of space. Leibnitz's universe is composed of Monads, that is, units, individual substances, or entities, having neither extension, parts, nor figure, and, of course, indivisible. These are "the veritable atoms of nature, the elements of things."

The Monad is unformed and imperishable; it has no natural end or beginning. It could begin to be only by creation; it can cease to be only by annihilation. It cannot be affected from without or changed in its interior by any other creature. Still, it must have qualities, without which it would not be an entity. And monads must differ one from another, or there would be no changes in our experience; since all that takes place in compound bodies is derived from the simples which compose them. Moreover, the monad, though uninfluenced from without, is changing continually; the change proceeds from an internal principle. Every monad is subject to a multitude of affections and relations, although without parts. This shifting state, which represents multitude in unity, is nothing else than what we call _Perception_, which must be carefully distinguished from _Apperception_, or consciousness. And the action of the internal principle which causes change in the monad, or a passing from one perception to another, is _Appetition_. The desire does not always attain to the perception to which it tends, but it always effects something, and causes a change of perceptions.

Leibnitz differs from Locke in maintaining that perception is inexplicable and inconceivable on mechanical principles. It is always the act of a simple substance, never of a compound. And "in simple substances there is nothing but perceptions and their changes." [20]

[Footnote 20: _Menadol_. 17.]

He differs from Locke, furthermore, on the question of the origin of ideas. This question, he says, "is not a preliminary one in philosophy, and one must have made great progress to be able to grapple successfully with it."--"Meanwhile, I think I may say, that our ideas, even those of sensible objects, _viennent de notre propre fond_... I am by no means for the _tabula rasa_ of Aristotle; on the

contrary, there is to me something rational (_quelque chose de solide_) in what Plato called _reminiscence_. Nay, more than that, we have not only a reminiscence of all our past thoughts, but we have also a _presentiment_ of all our thoughts." [21]

[Footnote 21: _Reflexions sur l'Essai de l'Entendement humain_.]

Mr. Lewes, in his "Biographical History of Philosophy," speaks of the essay from which these words are quoted, as written in "a somewhat supercilious tone." We are unable to detect any such feature in it. That trait was wholly foreign from Leibnitz's nature. "Car je suis des plus dociles," he says of himself, in this same essay. He was the most tolerant of philosophers. "Je ne meprise presque rien."--"Nemo est ingenio minus quam ego censorio."--"Mirum dictu: probo pleraque quae lego."--"Non admodum refutationes quaerere aut legere soleo."

To return to the monads. Each monad, according to Leibnitz, is, properly speaking, a soul, inasmuch as each is endowed with perception. But in order to distinguish those which have only perception from those which have also sentiment and memory, he will call the latter _souls_, the former _monads_ or _entelechies_. [22]

[Footnote 22: _Entelechy_ ([Greek: entelechia]) is an Aristotelian term, signifying activity, or more properly perhaps, self action. Leibnitz understands by it something complete in itself ([Greek: echon to enteles]). Mr. Butler, in his _History of Ancient Philosophy_, lately reprinted in this country, translates it "act." _Function_, we think would be a better rendering. (See W. Archer Butler's _Lectures_, Last Series, Lect. 2.) Aristotle uses the word as a definition of the soul. "The soul," he says, "is the first entelechy of an active body."]

The naked monad, he says, has perceptions without relief, or "enhanced flavor"; it is in a state of stupor. Death, he thinks, may produce this state for a time in animals. The monads completely fill the world; there is never and nowhere a void, and never complete inanimateness and inertness. The universe is a _plenum_ of souls. Wherever we behold an organic whole, (_unum per se_) there monads are grouped around a central monad to which they are subordinate, and which they are constrained to serve so long as that connection lasts. Masses of inorganic matter are aggregations of monads without a regent, or sentient soul (_unum per accidens_). There can be no monad without matter, that is, without society, and no soul without a body. Not only the human soul is indestructible and immortal, but also the animal soul. There is no generation out of nothing, and no absolute death. Birth is expansion, development, growth; and death is contraction, envelopment, decrease. The monads which are destined to become human souls have existed from the beginning in organic matter, but only as sentient or animal souls, without reason. They remain in this condition until the generation of the human beings to which they belong, and then develop themselves into rational souls. The different organs and members of the body are also relatively souls which collect around them a number of monads for a specific

purpose, and so on *_ad infinitum_*. Matter is not only infinitely divisible, but infinitely divided. All matter (so called) is living and active. "Every particle of matter may be conceived as a garden of plants, or as a pond full of fishes. But each branch of each plant, each member of each animal, each drop of their humors, is in turn another such garden or pond." [23]

[Footnote 23: *_Monadol._* 67.]

The connection between monads, consequently the connection between soul and body, is not composition, but an organic relation,--in some sort, a spontaneous relation. The soul forms its own body, and moulds it to its purpose. This hypothesis was afterward embraced and developed as a physiological principle by Stahl. As all the atoms in one body are organically related, so all the beings in the universe are organically related to each other and to the All. One creature, or one organ of a creature, being given, there is given with it the world's history from the beginning to the end. *_All bodies are strictly fluid; the universe is in flux_*.

The principle of continuity answers the same purpose in Leibnitz's system that the single substance does in Spinoza's. It vindicates the essential unity of all being. Yet the two conceptions are immeasurably different, and constitute an immeasurable difference between the two systems, considered in their practical and moral bearings, as well as their ontological aspects. Spinoza [24] starts with the idea of the Infinite, or the All-One, from which there is no logical deduction of the individual. And in Spinoza's system the individual does not exist except as a modality. But the existence of the individual is one of the primordial truths of the human mind, the foremost fact of consciousness. With this, therefore, Leibnitz begins, and arrives, by logical induction, to the Absolute and Supreme. Spinoza ends where he begins, in pantheism; the moral result of his system, Godward, is fatalism,--manward, indifferentism and negation of moral good and evil. Leibnitz ends in theism; the moral result of his system, Godward, is optimism,--manward, liberty, personal responsibility, moral obligation.

[Footnote 24: See Helferich's *_Spinoza, und Leibnitz_*, p. 76.]

He demonstrates the being of God by the necessity of a sufficient reason to account for the series of things. Each finite thing requires an antecedent or contingent cause. But the supposition of an endless sequence of contingent causes, or finite things, is absurd; the series must have had a beginning, and that beginning cannot have been a contingent cause or finite thing. "The final reason of things must be found in a necessary substance in which the detail of changes exists eminently, (*_ne soit qu'eminement_*), as in its source; and this is what we call God." [25]

[Footnote 25: *_Monadol._* 38.]

The idea of God is of such a nature, that the being corresponding to

it, if possible, must be actual. We have the idea; it involves no bounds, no negation, consequently no contradiction. It is the idea of a possible, therefore of an actual.

"God is the primitive Unity, or the simple original Substance of which all the creatures, or original monads, are the products, and _are generated, so to speak, by continual fulgurations from moment to moment, bounded by the receptivity of the creature_, of whose existence limitation is an essential condition." [26]

[Footnote 26: lb. 47.]

The philosophic theologian and the Christianizing philosopher will rejoice to find in this proposition a point of reconciliation between the extramundane God of pure theism and the cardinal principle of Spinozism, the immanence of Deity in creation,--a principle as dear to the philosophic mind as that of the extramundane Divinity is to the theologian. The universe of Spinoza is a self-existent unit, divine in itself, but with no Divinity behind it. That of Leibnitz is an endless series of units from a self-existent and divine source. The one is an infinite deep, the other an everlasting flood.

The doctrine of the _Preestablished Harmony_, so intimately and universally associated with the name of Leibnitz, has found little favor with his critics, or even with his admirers. Feuerbach calls it his weak side, and thinks that Leibnitz's philosophy, else so profound, was here, as in other instances, overshadowed by the popular creed; that he accommodated himself to theology, as a highly cultivated and intelligent man, conscious of his superiority, accommodates himself to a lady in his conversation with her, translating his ideas into her language, and even paraphrasing them. From this view of Leibnitz, as implying insincerity, we utterly dissent. [27]

[Footnote 27: See, in connection with this point, two admirable essays by Lessing,--the one entitled _Leibnitz on Eternal Punishment_, the other _Objections of Andreas Wissowatius to the Doctrine of the Trinity_. Of the latter the real topic is Leibnitz's _Defensio Trinitatis_. The sharp-sighted Lessing, than whom no one has expressed a greater reverence for Leibnitz, emphatically asserts and vigorously defends the philosopher's orthodoxy.]

The author of the "Theodicee" was not more interested in philosophy than he was in theology. His thoughts and his purpose did equal justice to both. The deepest wish of his heart was to reconcile them, not by formal treaty, but in loving and condign union. We do not, however, object to an esoteric and exoteric view of the doctrine in question; and we quite agree with Feuerbach that the phrase _preestablished_ does not express a metaphysical determination. It is one thing to say, that God, by an arbitrary decree from everlasting, has so predisposed and predetermined every motion in the world of matter that each volition of a rational agent finds in the constant procession of physical forces a concurrent event by which it

is executed, but which would have taken place without his volition, just as the mail-coach takes our letter, if we have one, but goes all the same, when we do not write.--this is the gross, exoteric view,--and a very different thing it is to say, that the monads composing the human system and the universe of things are so related, adjusted, accommodated to each other, and to the whole, each being a representative of all the rest and a mirror of the universe, that each feels all that passes in the rest, and all conspire in every act, [28] more or less effectively, in the ratio of their nearness to the prime agent. This is Leibnitz's idea of preestablished harmony, which, perhaps, would be better expressed by the term "necessary consent." "In the ideas of God, each monad has a right to demand that God, in regulating the rest from the commencement of things, shall have regard to it; for since a created monad can have no physical influence on the interior of another, it is only by this means that one can be dependent on another."--"The soul follows its own laws and the body follows its own, and they meet in virtue of the preestablished harmony which exists between all substances, as representatives of one and the same universe. Souls act according to the laws of final causes by appetitions, etc. Bodies act according to the laws of efficient causes or the laws of motion. And the two kingdoms, that of efficient causes and that of final causes, harmonize with each other." [29]

[Footnote 28: In this connection, Leibnitz quotes the remarkable saying of Hippocrates, [_Greek: Sumproia panta_]. The universe breathes together, conspires.--_Monadal_. 61.]

[Footnote 29: _Monadol_. 78, 79.]

The Preestablished Harmony, then, is to be regarded as the philosophic statement of a fact, and not as a theory concerning the cause of the fact. But, like all philosophic and adequate statements, it answers the purpose of a theory, and clears up many difficulties. It is the best solution we know of the old contradiction of free-will and fate,--individual liberty and a necessary world. This antithesis disappears in the light of the Leibnitian philosophy, which resolves freedom and necessity into different points of view and different stages of development. The principle of the Preestablished Harmony was designed by Leibnitz to meet the difficulty, started by Des Cartes, of explaining the conformity between the perceptions of the mind and the corresponding affections of the body, since mind and matter, in his view, could have no connection with, or influence on each other. The Cartesians explained this correspondence by the theory of _occasional causes_, that is, by the intervention of the Deity, who was supposed by his arbitrary will to have decreed a certain perception or sensation in the mind to go with a certain affection of the body, with which, however, it had no real connection. "Car il" (that is, M. Bayle) "est persuade avec les Cartesiens modernes, que les idees des qualites sensibles que Dieu donne, selon eux, a l'ame, a l'occasion des mouvemens du corps, n'ont rien qui represente ces mouvemens, ou qui leur ressemble; de sorte qu'il etoit purement arbitraire que Dieu nous donnat les idees

de la chaleur, du froid, de la lumiere et autres que nous
experimentons, ou qu'il nous en donnat de tout-autres a cette meme
occasion." [30]

[Footnote 30: _Theodicee_. Partie II. 340.]

If the body was exposed to the flame, there was no more reason,
according to this theory, why the soul should be conscious of pain
than of pleasure, except that God had so ordained. Such a supposition
was shocking to our philosopher, who could tolerate no arbitrariness
in God and no gap or discrepancy in nature, and who, therefore,
sought to explain, by the nature of the soul itself and its kindred
monads, the correspondence for which so violent an hypothesis was
embraced by the Cartesians.

We have left ourselves no room to speak as we would of Leibnitz as
theosopher. It was in this character that he obtained, in the last
century, his widest fame. The work by which he is most commonly known,
by which alone he is known to many, is the "Theodicee,"--an attempt
to vindicate the goodness of God against the cavils of unbelievers.
He was one of the first to apply to this end the cardinal principle
of the Lutheran Reformation,--the liberty of reason. He was one of
the first to treat unbelief, from the side of religion, as an error
of judgment, not as rebellion against rightful authority. The latter
was and is the Romanist view. The former is the Protestant theory,
but was not then, and is not always now, the Protestant practice.
Theology then was not concerned to vindicate the reason or the
goodness of God. It gloried in his physical strength by which he
would finally crush dissenters from orthodoxy. Leibnitz knew no
authority independent of Reason, and no God but the Supreme Reason
directing Almighty Good-will. The philosophic conclusion justly
deducible from this view of God, let cavillers say what they will,
is Optimism. Accordingly, Optimism, or the doctrine of the best
possible world, is the theory of the "Theodicee." Our limits will
not permit us to analyze the argument of this remarkable work. Bunsen
says, "It necessarily failed because it was a not quite honest
compound of speculation and divinity." [31]

[Footnote 31: _Outlines of the Philos. of Univ. Hist_. Vol. I. Chap. 6.]

Few at the present day will pretend to be entirely satisfied with
its reasoning, but all who are familiar with it know it to be a
treasury of wise and profound thoughts and of noble sentiments and
aspirations. Bonnet, the naturalist, called it his "Manual of
Christian Philosophy"; and Fontenelle, in his eulogy, speaks
enthusiastically of its luminous and sublime views, of its reasonings,
in which the mind of the geometer is always apparent, of its perfect
fairness toward those whom it controverts, and its rich store of
anecdote and illustration. Even Stewart, who was _not_ familiar with
it, and who, as might be expected, strangely misconceives and
misrepresents the author, is compelled to echo the general sentiment.
He pronounces it a work in which are combined together in an
extraordinary degree "the acuteness of the logician, the imagination

of the poet, and the *impenetrable yet sublime darkness* of the metaphysical theologian." The Italics are ours. Our reason for doubting Stewart's familiarity with the "Theodicee," and with Leibnitz in general, is derived in part from these phrases. We do not believe that any sincere student of Leibnitz has found him dark and impenetrable. Be it a merit or a fault, this predicate is inapplicable. Never was metaphysician more explicit and more intelligible. Had he been disposed to mysticize and to shroud himself in "impenetrable darkness," he would have found it difficult to indulge that propensity in French. Thanks to the strict regime and happy limitations of that idiom, the French is not a language in which philosophy can hide itself. It is a tight-fitting coat, which shows the exact form, or want of form, of the thought it clothes, without pad or fold to simulate fulness or to veil defects. It was a Frenchman, we are aware, who discovered that "the use of language is to conceal thought"; but that use, so far as French is concerned, has been hitherto monopolized by diplomacy.

Another reason for questioning Stewart's familiarity with Leibnitz is his misconception of that author, which we choose to impute to ignorance rather than to wilfulness. This misconception is strikingly exemplified in a prominent point of Leibnitian philosophy. Stewart says: "The zeal of Leibnitz in propagating the dogma of Necessity is not easily reconcilable with the hostility which he uniformly displays against the congenial doctrine of Materialism." [32]

[Footnote 32: *General View of the Prog. of Metaph. Eth. and Polit. Phil.* Boston: 1822. p. 75.]

Now it happens that "the zeal of Leibnitz" was exerted in precisely the opposite direction. A considerable section of the "Theodicee" (34-75) is occupied with the illustration and defence of the Freedom of the Will. It was a doctrine on which he laid great stress, and which forms an essential part of his system; [33] in proof of which, let one declaration stand for many: "Je suis d'opinion que notre volonte n'est pas seulement exempte de la contrainte, mais encore de la necessite." How far he succeeded in establishing that doctrine in accordance with the rest of his system is another question. That he believed it and taught it is a fact of which there can be no more doubt with those who have studied his writings, than there is that he wrote the works ascribed to him. But the freedom of will maintained by Leibnitz was not indeterminism. It was not the indifference of the tongue of the balance between equal weights, or that of the ass between equal bundles of hay. Such an equilibrium he declares impossible. "Cet equilibre en tout sens est impossible." Buridan's imaginary case of the ass is a fiction "qui ne sauroit avoir lieu dans l'univers." [34]

[Footnote 33: "Numquam Leibnitio in mentem venisse libertatem velle evertere, in qua defendenda quam maxime fuit occupatus, omnia scripta, precipue autem Theodicaea ejus, clamitant."--KORTHOLT, Vol. IV. p. 12.]

[Footnote 34: Leibnitz seems to have been of the same mind with

Dante:--

"Intra duo cibi distanti e moventi
D' un modo, prima si morria di fame
Che liber' uomo l'un recasse a' denti."
Parad, iv. 1.]

The will is always determined by motives, but not necessarily constrained by them. This is his doctrine, emphatically stated and zealously maintained. We doubt if any philosopher, equally profound and equally sincere, will ever find room in his conclusions for a greater measure of moral liberty than the "Theodicee" has conceded to man. "In respect to this matter," says Arthur Schopenhauer, "the great thinkers of all times are agreed and decided, just as surely as the mass of mankind will never see and comprehend the great truth, that the practical operation of liberty is not to be sought in single acts, but in the being and nature of man." [35]

[Footnote 35: _Ueber den Willen in der Natur_. FRANKFURT A.M. 1854. p. 22.]

Leibnitz's construction of the idea of a possible liberty consistent with the preestablished order of the universe is substantially that of Schelling in his celebrated essay on this subject. We must not dwell upon it, but hasten to conclude our imperfect sketch.

The ground-idea of the "Theodicee" is expressed in the phrase, "Best-possible world." Evil is a necessary condition of finite being, but the end of creation is the realization of the greatest possible perfection within the limits of the finite. The existing universe is one of innumerable possible universes, each of which, if actualized, would have had a different measure of good and evil. The present, rather than any other, was made actual, as presenting to Divine Intelligence the smallest measure of evil and the greatest amount of good. This idea is happily embodied in the closing apologue, designed to supplement one of Laurentius Valla, a writer of the fifteenth century. Theodorus, priest of Zeus at Dodona, demands why that god has permitted to Sextus the evil will which was destined to bring so much misery on himself and others. Zeus refers him to his daughter Athene. He goes to Athens, is commanded to lie down in the temple of Pallas, and is there visited with a dream. The vision takes him to the Palace of Destinies, which contains the plans of all possible worlds. He examines one plan after another; in each the same Sextus plays a different part and experiences a different fate. The plans improve as he advances, till at last he comes upon one whose superior excellence enchants him with delight. After revelling awhile in the contemplation of this perfect world, he is told that this is the actual world in which he lives. But in this the crime of Sextus is a necessary constituent; it could not be what it is as a whole, were it other than it is in its single parts.

Whatever may be thought of Leibnitz's success in demonstrating his favorite doctrine, the theory of Optimism commends itself to piety

and reason as that view of human and divine things which most redounds to the glory of God and best expresses the hope of man,--as the noblest and therefore the truest theory of Divine rule and human destiny.

We recall at this moment but one English writer of supreme mark who has held and promulgated, in its fullest extent, the theory of Optimism. That one is a poet. The "Essay on Man," with one or two exceptions, might almost pass for a paraphrase of the "Theodicee"; and Pope, with characteristic vigor, has concentrated the meaning of that treatise in one word, which is none the less true, in the sense intended, because of its possible perversion,--"Whatever is, is right."

* * * * *

LOO LOO.

A FEW SCENES FROM A TRUE HISTORY. [Concluded.]

SCENE IV.

They had lived thus nearly a year, when, one day as they were riding on horseback, Alfred saw Mr. Grossman approaching. "Drop your veil," he said, quickly, to his companion; for he could not bear to have that Satyr even look upon his hidden flower. The cotton-broker noticed the action, but silently touched his hat, and passed with a significant smile on his uncomely countenance. A few days afterward, when Alfred had gone to his business in the city, Loo Loo strolled to her favorite recess on the hill-side, and, lounging on the rustic seat, began to read the second volume of "Thaddeus of Warsaw." She was so deeply interested in the adventures of the noble Pole, that she forgot herself and all her surroundings. Masses of glossy dark hair fell over the delicate hand that supported her head; her morning-gown, of pink French muslin, fell apart, and revealed a white embroidered skirt, from beneath which obtruded one small foot, in an open-work silk stocking; the slipper having fallen to the ground. Thus absorbed, she took no note of time, and might have remained until summoned to dinner, had not a slight rustling disturbed her. She looked up, and saw a coarse face peering at her between the pine boughs, with a most disgusting expression. She at once recognized the man they had met during their ride; and starting to her feet, she ran like a deer before the hunter. It was not till she came near the house, that she was aware of having left her slipper. A servant was sent for it, but returned, saying it was not to be found. She mourned over the loss, for the little pink kid slippers, embroidered with silver, were a birth-day present from Alfred. As soon as he returned, she told him the adventure, and went with him to search the arbor of pines. The incident troubled him greatly. "What a noxious serpent, to come crawling into our Eden!"

he exclaimed. "Never come here alone again, dearest; and never go far from the house, unless Madame is with you."

Her circle of enjoyments was already small, excluded as she was from society by her anomalous position, and educated far above the caste in which the tyranny of law and custom so absurdly placed her. But it is one of the blessed laws of compensation, that the human soul cannot miss that to which it has never been accustomed. Madame's motherly care, and Alfred's unvarying tenderness, sufficed her cravings for affection; and for amusement, she took refuge in books, flowers, birds, and those changes of natural scenery for which her lover had such quickness of eye. It was a privation to give up her solitary rambles in the grounds, her inspection of birds' nests, and her readings in that pleasant alcove of pines. But she more than acquiesced in Alfred's prohibition. She said at once, that she would rather be a prisoner within the house all her days than ever see that odious face again.

Mr. Noble encountered the cotton-broker, in the way of business, a few days afterward; but his aversion to the unclean conversation of the man induced him to conceal his vexation under the veil of common courtesy. He knew what sort of remarks any remonstrance would elicit, and he shrank from subjecting Loo Loo's name to such pollution. For a short time, this prudent reserve shielded him from the attacks he dreaded. But Mr. Grossman soon began to throw out hints about the sly hypocrisy of Puritan Yankees, and other innuendoes obviously intended to annoy him. At last, one day, he drew the embroidered slipper from his pocket, and, with a rakish wink of his eye, said, "I reckon you have seen this before, Mr. Noble."

Alfred felt an impulse to seize him by the throat, and strangle him on the spot. But why should he make a scene with such a man, and thus drag Loo Loo's name into painful notoriety? The old _roue_ was evidently trying to foment a quarrel with him. Thoroughly animal in every department of his nature, he was boastful of brute courage, and prided himself upon having killed several men in duels. Alfred conjectured his line of policy, and resolved to frustrate it. He therefore coolly replied, "I have seen such slippers; they are very pretty"; and turned away, as if the subject were indifferent to him.

"Coward!" muttered Grossman, as he left the counting-house. Mr. Noble did not hear him; and if he had, it would not have altered his course. He could see nothing enviable in the reputation of being ever ready for brawls, and a dead-shot in duels; and he knew that his life was too important to the friendless Loo Loo to be thus foolishly risked for the gratification of a villain. This incident renewed his old feelings of remorse for the false position in which he had placed the young orphan, who trusted him so entirely. To his generous nature, the wrong seemed all the greater because the object was so unconscious of it. "It is I who have subjected her to the insolence of this vile man," he said within himself. "But I will repair the wrong. Innocent, confiding soul that she is, I will protect her. The sanction of marriage shall shield her from such affronts."

Alas for poor human nature! He was sincere in these resolutions, but he was not quite strong enough to face the prejudices of the society in which he lived. Their sneers would have fallen harmless. They could not take from him a single thing he really valued. But he had not learned to understand that the dreaded power of public opinion is purely fabulous, when unsustained by the voice of conscience. So he fell into the old snare of moral compromise. He thought the best he could do, under the circumstances, was to hasten the period of his departure for the North, to marry Loo Loo in Philadelphia, and remove to some part of the country where her private history would remain unknown.

To make money for this purpose, he had more and more extended his speculations, and they had uniformly proved profitable. If Mr. Grossman's offensive conduct had not forced upon him a painful consciousness of his position with regard to the object of his devoted affection, he would have liked to remain in Mobile a few years longer, and accumulate more; but, as it was, he determined to remove as soon as he could arrange his affairs satisfactorily. He set about this in good earnest. But, alas! the great pecuniary crash of 1837 was at hand. By every mail came news of failures where he expected payments. The wealth, which seemed so certain a fact a few months before, where had it vanished? It had floated away, like a prismatic bubble on the breeze. He saw that his ruin was inevitable. All he owned in the world would not cancel his debts. And now he recalled the horrible recollection that Loo Loo was a part of his property. Much as he had blamed Mr. Duncan for negligence in not manumitting her mother, he had fallen into the same snare. In the fulness of his prosperity and happiness, he did not comprehend the risk he was running by delay. He rarely thought of the fact that she was legally his slave; and when it did occur to him, it was always accompanied with the recollection that the laws of Alabama did not allow him to emancipate her without sending her away from the State. But this never troubled him, because there was always present with him that vision of going to the North and making her his wife. So time slipped away, without his taking any precautions on the subject; and now it was too late. Immersed in debt as he was, the law did not allow him to dispose of anything without consent of creditors; and he owed ten thousand dollars to Mr. Grossman. Oh, agony! sharp agony!

There was a meeting of the creditors. Mr. Noble rendered an account of all his property, in which he was compelled to include Loo Loo; but for her he offered to give a note for fifteen hundred dollars, with good endorsement, payable with interest in a year. It was known that his attachment to the orphan he had educated amounted almost to infatuation; and his proverbial integrity inspired so much respect, that the creditors were disposed to grant him any indulgence not incompatible with their own interests. They agreed to accept the proffered note, all except Mr. Grossman. He insisted that the girl should be put up at auction. For her sake, the ruined merchant condescended to plead with him. He represented that the tie between them was very different from the merely convenient connections which

were so common; that Loo Loo was really good and modest, and so sensitive by nature, that exposure to public sale would nearly kill her. The selfish creditor remained inexorable. The very fact that this delicate flower had been so carefully sheltered from the mud and dust of the wayside rendered her a more desirable prize. He coolly declared, that ever since he had seen her in the arbor, he had been determined to have her; and now that fortune had put the chance in his power, no money should induce him to relinquish it.

The sale was inevitable; and the only remaining hope was that some friend might be induced to buy her. There was a gentleman in the city whom I will call Frank Helper. He was a Kentuckian by birth, kind and open-hearted,--a slave-holder by habit, not by nature. Warm feelings of regard had long existed between him and Mr. Noble; and to him the broken merchant applied for advice in this torturing emergency. Though Mr. Helper was possessed of but moderate wealth, he had originally agreed to endorse his friend's note for fifteen hundred dollars; and he now promised to empower some one to expend three thousand dollars in the purchase of Loo Loo.

"It is not likely that we shall be obliged to pay so much," said he. "Bad debts are pouring in upon Grossman, and he hasn't a mint of money to spare just now, however big he may talk. We will begin with offering fifteen hundred dollars; and she will probably be bid off for two thousand."

"Bid off! O my God!" exclaimed the wretched man. He bowed his head upon his outstretched arms, and the table beneath him shook with his convulsive sobs. His friend was unprepared for such an overwhelming outburst of emotion. He did not understand, no one but Alfred himself _could_ understand, the peculiarity of the ties that bound him to that dear orphan. Recovering from this unwonted mood, he inquired whether there was no possible way of avoiding a sale.

"I am sorry to say there is no way, my friend," replied Mr. Helper. "The laws invest this man with power over you; and there is nothing left for us but to undermine his projects. It is a hazardous business, as you well know. _You_ must not appear in it; neither can I; for I am known to be your intimate friend. But trust the whole affair to me, and I think I can bring it to a successful issue."

The hardest thing of all was to apprise the poor girl of her situation. She had never thought of herself as a slave; and what a terrible awakening was this from her dream of happy security! Alfred deemed it most kind and wise to tell her of it himself; but he dreaded it worse than death. He expected she would swoon; he even feared it might kill her. But love made her stronger than he thought. When, after much cautious circumlocution, he arrived at the crisis of the story, she pressed her hand hard upon her forehead, and seemed stupefied. Then she threw herself into his arms, and they wept, wept, till their heads seemed cracking with the agony.

"Oh, the avenging Nemesis!" exclaimed Alfred, at last. "I have

deserved all this. It is all my own fault. I ought to have carried you away from these wicked laws. I ought to have married you. Truest, most affectionate of friends, how cruelly I have treated you! you, who put the welfare of your life so confidently into my hands!"

She rose up from his bosom, and, looking him lovingly in the face, replied,--

"Never say that, dear Alfred! Never have such a thought again! You have been the best and kindest friend that woman ever had. If _I_ forgot that I was a slave, is it strange that _you_ should forget it? But, Alfred, I will never be the slave of any other man,-- never! I will never be put on the auction-stand. I will die first."

"Nay, dearest, you must make no rash resolutions," he replied. "I have friends who promise to save you, and restore us to each other. The form of sale is unavoidable. So, for my sake, consent to the temporary humiliation. Will you, darling?"

He had never before seen such an expression in her face. Her eyes flashed, her nostrils dilated, and she drew her breath like one in the agonies of death. Then pressing his hand with a nervous grasp, she answered,--

"For _your_ sake, dear Alfred, I will."

From that time, she maintained outward calmness, while in his presence; and her inward uneasiness was indicated only by a fondness more clinging than ever. Whenever she parted from him, she kept him lingering, and lingering, on the threshold. She followed him to the road; she kissed her hand to him till he was out of sight; and then her tears flowed unrestrained. Her mind was filled with the idea that she should be carried away from the home of her childhood, as she had been by the rough Mr. Jackson,--that she should become the slave of that bad man, and never, never see Alfred again. "But I can die," she often said to herself; and she revolved in her mind various means of suicide, in case the worst should happen.

Madame Labasse did not desert her in her misfortunes. She held frequent consultations with Mr. Helper and his friends, and continually brought messages to keep up her spirits. A dozen times a day, she repeated,--

"Tout sera bien arrange. Soyez tranquille, ma chere! Soyez tranquille!"

At last the dreaded day arrived. Mr. Helper had persuaded Alfred to appear to yield to necessity, and keep completely out of sight. He consented, because Loo Loo had said she could not go through with the scene, if he were present; and, moreover, he was afraid to trust his own nerves and temper. They conveyed her to the auction-room, where she stood trembling among a group of slaves of all ages and all colors, from iron-black to the lightest brown. She wore her simplest dress, without ornament of any kind. When they placed her

on the stand, she held her veil down, with a close, nervous grasp.

"Come, show us your face," said the auctioneer. "Folks don't like to buy a pig in a poke, you know."

Seeing that she stood perfectly still, with her head lowered upon her breast, he untied the bonnet, pulled it off rudely, and held up her face to public view. There was a murmur of applause.

"Show your teeth," said the auctioneer. But she only compressed her mouth more firmly. After trying in vain to coax her, he exclaimed,--

"Never mind, gentlemen. She's got a string of pearls inside them coral lips of hers. I can swear to that, for I've seen 'em. No use tryin' to trot her out. She's a leetle set up, ye see, with bein' made much of. Look at her, gentlemen! Who can blame her for bein' a bit proud? She's a fust-rate fancy-article. Who bids?"

Before he had time to repeat the question, Mr. Grossman said, in a loud voice, "Fifteen hundred dollars."

This was rather a damper upon Mr. Helper's agent, who bid sixteen hundred.

A voice from the crowd called out, "Eighteen hundred."

"Two thousand," shouted Mr. Grossman.

"Two thousand two hundred," said another voice.

"Two thousand five hundred," exclaimed Mr. Grossman.

"Two thousand eight hundred," said the incognito agent.

The prize was now completely given up to the two competitors; and the agent, excited by the contest, went beyond his orders, until he bid as high as four thousand two hundred dollars.

"Four thousand five hundred," screamed the cotton-broker.

There was no use in contending with him. He was evidently willing to stake all his fortune upon victory.

"Going! Going! Going!" repeated the auctioneer, slowly. There was a brief pause, during which every pulsation in Loo Loo's body seemed to stop. Then she heard the horrible words, "Gone, for four thousand five hundred dollars! Gone to Mr. Grossman!"

They led her to a bench at the other end of the room. She sat there, still as a marble statue, and almost as pale. The sudden cessation of excited hope had so stunned her, that she could not think. Everything seemed dark and reeling round her. In a few minutes, Mr. Grossman was at her side.

"Come, my beauty," said he. "The carriage is at the door. If you behave yourself, you shall be treated like a queen. Come, my love!"

He attempted to take her hand, but his touch roused her from her lethargy; and springing at him, like a wild-cat, she gave him a blow in the face that made him stagger,--so powerful was it, in the vehemence of her disgust and anger.

His coaxing tones changed instantly.

"We don't allow niggers to put on such airs," he said. "I'm your master. You've got to live with me; and you may as well make up your mind to it first as last."

He glowered at her savagely for a moment; and drawing from his pocket an embroidered slipper, he added,--

"Ever since I picked up this pretty thing, I've been determined to have you. I expected to be obliged to wait till Noble got tired of you, and wanted to take up with another wench; but I've had better luck than I expected."

At the sight of that gift of Alfred's in his hated hand, at the sound of those coarse words, so different from his respectful tenderness, her pride broke down, and tears welled forth. Looking up in his stern face, she said, in tones of the deepest pathos,--

"Oh, Sir, have pity on a poor, unfortunate girl! Don't persecute me!"

"Persecute you?" he replied. "No, indeed, my charmer! If you'll be kind to me, I'll treat you like a princess."

He tried to look loving, but the expression was utterly revolting. Twelve years of unbridled sensuality had rendered his countenance even more disgusting than it was when he shocked Alfred's youthful soul by his talk about "Duncan's handsome wench."

"Come, my beauty," he continued, persuasively, "I'm glad to see you in a better temper. Come with me, and behave yourself."

She curled her lip scornfully, and repeated,--

"I will never live with you! Never!"

"We'll see about that, my wench," said he. "I may as well take you down a peg, first as last. If you'd rather be in the calaboose with niggers than to ride in a carriage with me, you may try it, and see how you like it. I reckon you'll be glad to come to my terms, before long."

He beckoned to two police-officers, and said, "Take this wench into custody, and keep her on bread and water, till I give further orders."

The jail to which Loo Loo was conveyed was a wretched place. The walls were dingy, the floor covered with puddles of tobacco-juice, the air almost suffocating with the smell of pent-up tobacco-smoke, unwashed negroes, and dirty garments. She had never seen any place so loathsome. Mr. Jackson's log-house was a palace in comparison. The prison was crowded with colored people of all complexions, and almost every form of human vice and misery was huddled together there with the poor victims of misfortune. Thieves, murderers, and shameless girls, decked out with tawdry bits of finery, were mixed up with modest-looking, heart-broken wives, and mothers mourning for the children that had been torn from their arms in the recent sale. Some were laughing, and singing lewd songs. Others sat still, with tears trickling down their sable cheeks. Here and there the fierce expression of some intelligent young man indicated a volcano of revenge seething within his soul. Some were stretched out drowsily upon the filthy floor, their natures apparently stupefied to the level of brutes. When Loo Loo was brought in, most of them were roused to look at her; and she heard them saying to each other, "By gum, dat ar an't no nigger!" "What fur dey fotch _her_ here?" "She be white lady ob quality, _she_ be."

The tenderly-nurtured daughter of the wealthy planter remained in this miserable place two days. The jailer, touched by her beauty and extreme dejection, offered her better food than had been prescribed in his orders. She thanked him, but said she could not eat. When he invited her to occupy, for the night, a small room apart from the herd of prisoners, she accepted the offer with gratitude. But she could not sleep, and she dared not undress. In the morning, the jailer, afraid of being detected in these acts of indulgence, told her, apologetically, that he was obliged to request her to return to the common apartment.

Having recovered somewhat from the stunning effects of the blow that had fallen on her, she began to take more notice of her companions. A gang of slaves, just sold, was in keeping there, till it suited the trader's convenience to take them to New Orleans; and the parting scenes she witnessed that day made an impression she never forgot. "Can it be," she said to herself, "that such things have been going on around me all these years, and I so unconscious of them? What should I now be, if Alfred had not taken compassion on me, and prevented my being sent to the New Orleans market, before I was ten years old?" She thought with a shudder of the auction-scene the day before, and began to be afraid that her friends could not save her from that vile man's power.

She was roused from her reverie by the entrance of a white gentleman, whom she had never seen before. He came to inspect the trader's gang of slaves, to see if any one among them would suit him for a house-servant; and before long, he agreed to purchase a bright-looking mulatto lad. He stopped before Loo Loo, and said, "Are you a good sempstress?"

"She's not for sale," answered the jailer. "She belongs to Mr. Grossman, who put her here for disobedience." The man smiled, as he spoke, and Loo Loo blushed crimson.

"Ho, ho," rejoined the stranger. "I'm sorry for that. I should like to buy her, if I could."

He sauntered round the room, and took from his pocket oranges and candy, which he distributed among the black picaninnies tumbling over each other on the dirty floor. Coming round again to the place where she sat, he put an orange on her lap, and said, in low tones, "When they are not looking at you, remove the peel"; and, touching his finger to his lip, significantly, he turned away to talk with the jailer.

As soon as he was gone, she asked permission to go, for a few minutes, to the room she had occupied during the night. There she examined the orange, and found that half of the skin had been removed unbroken, a thin paper inserted, and the peel replaced. On the scrap of paper was written: "When your master comes, appear to be submissive, and go with him. Plead weariness, and gain time. You will be rescued. Destroy this, and don't seem more cheerful than you have been." Under this was written, in Madame Labasse's hand, "Soyez tranquille, ma chere."

Unaccustomed to act a part, she found it difficult to appear so sad as she had been before the reception of the note. But she did her best, and the jailer observed no change.

Late in the afternoon, Mr. Grossman made his appearance. "Well, my beauty," said he, "are you tired of the calaboose? Don't you think you should like my house rather better?"

She yawned listlessly, and, without looking up, answered, "I am very tired of staying here."

"I thought so," rejoined her master, with a chuckling laugh. "I reckoned I should bring you to terms. So you've made up your mind not to be cruel to a poor fellow so desperately in love with you,-- haven't you?"

She made no answer, and he continued: "You're ready to go home with me,--are you?"

"Yes, Sir," she replied, faintly.

"Well, then, look up in my face, and let me have a peep at those devilish handsome eyes."

He chucked her under the chin, and raised her blushing face. She wanted to push him from her, he was so hateful; but she remembered the mysterious orange, and looked him in the eye, with passive obedience. Overjoyed at his success, he paid the jailer his fee, drew her arm within his, and hurried to the carriage.

How many humiliations were crowded into that short ride! How she shrank from the touch of his soft, swabby hand! How she loathed the gloating looks of the old Satyr! But she remembered the orange, and endured it all stoically.

Arrived at his stylish house, he escorted her to a large chamber elegantly furnished.

"I told you I would treat you like a princess," he said; "and I will keep my word."

He would have seated himself; but she prevented him, saying, "I have one favor to ask, and I shall be very grateful to you, if you will please to grant it."

"What is it, my charmer?" he inquired. "I will consent to anything reasonable."

She answered, "I could not get a wink of sleep in that filthy prison; and I am extremely tired. Please leave me till to-morrow."

"Ah, why did you compel me to send you to that abominable place? It grieved me to cast such a pearl among swine. Well, I want to convince you that I am a kind master; so I suppose I must consent. But you must reward me with a kiss before I go."

This was the hardest trial of all; but she recollected the danger of exciting his suspicions, and complied. He returned it with so much ardor, that she pushed him away impetuously; but softening her manner immediately, she said, in pleading tones, "I am exceedingly tired; indeed I am!"

He lingered, and seemed very reluctant to go; but when she again urged her request, he said, "Good night, my beauty! I will send up some refreshments for you, before you sleep."

He went away, and she had a very uncomfortable sensation when she heard him lock the door behind him. A prisoner, with such a jailer! With a quick movement of disgust, she rushed to the water-basin and washed her lips and her hands; but she felt that the stain was one no ablution could remove. The sense of degradation was so cruelly bitter, that it seemed to her as if she should die for very shame.

In a short time, an elderly mulatto woman, with a pleasant face, entered, bearing a tray of cakes, ices, and lemonade.

"I don't wish for anything to eat," said Loo Loo, despondingly.

"Oh, don't be givin' up, in dat ar way," said the mulatto, in kind, motherly tones. "De Lord ain't a-gwine to forsake ye. Ye may jus' breeve what Aunt Debby tells yer. I'se a poor ole nigger; but I hab 'sarved dat de darkest time is allers jus afore de light come.

Eat some ob dese yer goodies. Ye oughter keep yourself strong fur de sake ob yer friends."

Loo Loo looked at her earnestly, and repeated, "Friends? How do you know I _have_ any friends?"

"Oh, I'se poor ole nigger," rejoined the mulatto. "I don't knows nottin'."

The captive looked wistfully after her, as she left the room. She felt disappointed; for something in the woman's ways and tones had excited a hope within her. Again the key turned on the outside; but it was not long before Debby reappeared with a bouquet.

"Massa sent young Missis dese yer fowers," she said.

"Put them down," rejoined Loo Loo, languidly.

"Whar shall I put 'em?" inquired the servant.

"Anywhere, out of my way," was the curt reply.

Debby cautioned her by a shake of her finger, and whispered, "Massa's out dar, waitin' fur de key. Dar's writin' on dem ar fowers." She lighted the lamps, and, after inquiring if anything else was wanted, she went out, saying, "Good night, missis. De Lord send ye pleasant dreams."

Again the key turned, and the sound of footsteps died away. Loo Loo eagerly untwisted the paper round the bouquet, and read these words: "Be ready for travelling. About midnight your door will be unlocked. Follow Aunt Debby with your shoes in your hand, and speak no word. Destroy this paper." To this Madame Labasse had added, "Ne craigner rien, ma chere."

Loo Loo's heart palpitated violently, and the blood rushed to her cheeks. Weary as she was, she felt no inclination to sleep. As she sat there, longing for midnight, she had ample leisure to survey the apartment. It was, indeed, a bower fit for a princess. The chairs, tables, and French bedstead were all ornamented with roses and lilies gracefully intertwined on a delicate fawn-colored ground. The tent-like canopy, that partially veiled the couch, was formed of pink and white striped muslin, draped on either side in ample folds, and fastened with garlands of roses. The pillow-cases were embroidered, perfumed, and edged with frills quilled as neatly as the petals of a dahlia. In one corner stood a small table, decorated with a very elegant Parisian tea-service for two. Lamps of cut glass illumined the face of a large Psyche mirror, and on the toilet before it a diamond necklace and ear-rings sparkled in their crimson velvet case. Loo Loo looked at them with a half-scornful smile, and repeated to herself:

"He bought me somewhat high;

Since with me came a heart he couldn't buy."

She lowered the lamps to twilight softness, and tried to wait with patience. How long the hours seemed! Surely it must be past midnight. What if Aunt Debby had been detected in her plot? What if the master should come, in her stead? Full of that fear, she tried to open the windows, and found them fastened on the outside. Her heart sank within her; for she had resolved, in the last emergency, to leap out and be crushed on the pavement. Suspense became almost intolerable. She listened, and listened. There was no sound, except a loud snoring in the next apartment. Was it her tyrant, who was sleeping so near? She sat with her shoes in her hand, her eyes fastened on the door. At last it opened, and Debby's brown face peeped in. They passed out together,--the mulatto taking the precaution to lock the door and put the key in her pocket. Softly they went down stairs, through the kitchen, out into the adjoining alley. Two gentlemen with a carriage were in attendance. They sprang in, and were whirled away. After riding some miles, the carriage was stopped; one of the gentlemen alighted and handed the women out.

"My name is Dinsmore," he said. "I am uncle to your friend, Frank Helper. You are to pass for my daughter, and Debby is our servant."

"And Alfred,--Mr. Noble, I mean,--where is he?" asked Loo Loo.

"He will follow in good time. Ask no more questions now."

The carriage rolled away; and the party it had conveyed were soon on their way to the North by an express-train.

It would be impossible to describe the anxiety Alfred had endured from the time Loo Loo became the property of the cotton-broker until he heard of her escape. From motives of policy he was kept in ignorance of the persons employed, and of the measures they intended to take. In this state of suspense, his reason might have been endangered, had not Madame Labasse brought cheering messages, from time to time, assuring him that all was carefully arranged, and success nearly certain.

When Mr. Grossman, late in the day, discovered that his prey had escaped, his rage knew no bounds. He offered one thousand dollars for her apprehension, and another thousand for the detection of any one who had aided her. He made successive attempts to obtain an indictment against Mr. Noble; but he was proved to have been distant from the scene of action, and there was no evidence that he had any connection with the mysterious affair. Failing in this, the exasperated cotton-broker swore that he would have his heart's blood, for he knew the sly, smooth-spoken Yankee was at the bottom of it. He challenged him; but Mr. Noble, notwithstanding the arguments of Frank Helper, refused, on the ground that he held New England opinions on the subject of duelling. The Kentuckian could not understand that it required a far higher kind of courage to refuse than it would have done to accept. The bully proclaimed him a coward,

and shot at him in the street, but without inflicting a very serious wound. Thenceforth he went armed, and his friends kept him in sight. But he probably owed his life to the fact that Mr. Grossman was compelled to go to New Orleans suddenly, on urgent business. Before leaving, the latter sent messengers to Savannah, Charleston, Louisville, and elsewhere; exact descriptions of the fugitives were posted in all public places, and the offers of reward were doubled; but the activity thus excited proved all in vain. The runaways had travelled night and day, and were in Canada before their pursuers reached New York. A few lines from Mr. Dinsmore announced this to Frank Helper, in phraseology that could not be understood, in case the letter should be inspected at the post-office. He wrote: "I told you we intended to visit Montreal; and by the date of this you will see that I have carried my plan into execution. My daughter likes the place so much that I think I shall leave her here awhile in charge of our trusty servant, while I go home to look after my affairs."

After the excitement had somewhat subsided, Mr. Noble ascertained the process by which his friends had succeeded in effecting the rescue. Aunt Debby owed her master a grudge for having repeatedly sold her children; and just at that time a fresh wound was rankling in her heart, because her only son, a bright lad of eighteen, of whom Mr. Grossman was the reputed father, had been sold to a slave-trader, to help raise the large sum he had given for Loo Loo. Frank Helper's friends, having discovered this state of affairs, opened a negotiation with the mulatto woman, promising to send both her and her son into Canada, if she would assist them in their plans. Aunt Debby chuckled over the idea of her master's disappointment, and was eager to seize the opportunity of being reunited to her last remaining child. The lad was accordingly purchased by the gentleman who distributed oranges in the prison, and was sent to Canada, according to promise. Mr. Grossman was addicted to strong drink, and Aunt Debby had long been in the habit of preparing a potion for him before he retired to rest. "I mixed it powerful, dat ar night," said the laughing mulatto; "and I put in someting dat de gemmen guv to me. I reckon he waked up awful late." Mr. Dinsmore, a maternal uncle of Frank Helper's, had been visiting the South, and was then about to return to New York. When the story was told to him, he said nothing would please him more than to take the fugitives under his own protection.

SCENE V.

Mr. Noble arranged the wreck of his affairs as speedily as possible, eager to be on the way to Montreal. The evening before he started, Frank Helper waited upon Mr. Grossman, and said: "That handsome slave you have been trying so hard to catch is doubtless beyond your reach, and will take good care not to come within your power. Under these circumstances, she is worth nothing to you; but for the sake of quieting the uneasiness of my friend Noble, I will give you eight

hundred dollars to relinquish all claim to her."

The broker flew into a violent rage. "I'll see you both damned first," he replied. "I shall trip 'em up yet. I'll keep the sword hanging over their cursed heads as long as I live. I wouldn't mind spending ten thousand dollars to be revenged on that infernal Yankee."

Mr. Noble reached Montreal in safety, and found his Loo Loo well and cheerful. Words are inadequate to describe the emotions excited by reunion, after such dreadful perils and hairbreadth escapes. Their marriage was solemnized as soon as possible; but the wife being an article of property, according to American law, they did not venture to return to the States. Alfred obtained some writing to do for a commercial while Loo Loo instructed little girls in dancing and embroidery. Her character had strengthened under the severe ordeals through which she had passed. She began to question the rightfulness of living so indolently as she had done. Those painful scenes in the slave-prison made her reflect that sympathy with the actual miseries of life was better than weeping over romances. She was rising above the deleterious influences of her early education, and beginning to feel the dignity of usefulness. She said to her husband, "I shall not be sorry, if we are always poor. It is so pleasant to help _you_, who have done so much for _me_! And Alfred, dear, I want to give some of my earnings to Aunt Debby. The poor old soul is trying to lay up money to pay that friend of yours who bought her son and sent him to Canada. Surely, I, of all people in the world, ought to be willing to help slaves who have been less fortunate than I have. Sometimes, when I lie awake in the night, I have very solemn thoughts come over me. It was truly a wonderful Providence that twice saved me from the dreadful fate that awaited me. I can never be grateful enough to God for sending me such a blessed friend as my good Alfred."

They were living thus contented with their humble lot, when a letter from Frank Helper announced that the extensive house of Grossman & Co. had stopped payment. Their human chattels had been put up at auction, and among them was the title to our beautiful fugitive. The chance of capture was considered so hopeless, that, when Mr. Helper bid sixty-two dollars, no one bid over him; and she became his property, until there was time to transfer the legal claim to his friend.

Feeling that they could now be safe under their own vine and fig-tree, Alfred returned to the United States, where he became first a clerk, and afterward a prosperous merchant. His natural organization unfitted him for conflict, and though his peculiar experiences had imbued him with a thorough abhorrence of slavery, he stood aloof from the ever-increasing agitation on that subject; but every New Year's day, one of the Vigilance Committees for the relief of fugitive slaves received one hundred dollars "from an unknown friend." As his pecuniary means increased, he purchased several slaves, who had been in his employ at Mobile, and established them as servants in Northern hotels. Madame Labasse was invited to spend the remainder of her days under his roof; but she came only in the summers, being

unable to conquer her shivering dread of snow-storms.

Loo Loo's personal charms attracted attention wherever she made her appearance. At church, and other public places, people pointed her out to strangers, saying, "That is the wife of Mr. Alfred Noble. She was the orphan daughter of a rich planter at the South, and had a great inheritance left to her; but Mr. Noble lost it all in the financial crisis of 1837." Her real history remained a secret, locked within their own breasts. Of their three children, the youngest was named Loo Loo, and greatly resembled her beautiful mother. When she was six years old, her portrait was taken in a gypsy hat garlanded with red berries. She was dancing round a little white dog, and long streamers of ribbon were floating behind her. Her father had it framed in an arched environment of vine-work, and presented it to his wife on her thirtieth birth-day. Her eyes moistened as she gazed upon it; then kissing his hand, she looked up in the old way, and said, "I thank you, Sir, for buying me."

LETTER-WRITING.

A friend, who happens to have an idea or two of his own, is constantly advising his acquaintances in no case to become parties to a regular correspondence. He is a great letter-writer himself, but never answers an epistle, unless it contain queries as to matters of fact, or be an invitation to a ball or a dinner,--unless, in a word, real, not what he considers conventional politeness requires; in which event, his reply is despatched at once. Under all other circumstances, he ignores the last missive from him or her to whom his envelope is addressed. He studiously frames his own communications in such wise, that they do not call for an answer. He will totally neglect an intimate friend for months, then let fly at him epistle after epistle, and then give no sign of life for a long while again. If asked to exchange letters once a week or once a fortnight, he solemnly inquires whether the wind goes by machinery, and is, after a given interval, invariably at such o'clock,--adding, that it is his aim, not to keep up, but to keep down, correspondence. If accused of "owing a letter," he repudiates the obligation, and affirms that he will go to jail sooner than pay it off. If taxed with heartlessness, he retorts by asking whether it can be the duty of a moral being to insult a man by writing to him when there is nothing to say.

That these notions, whether they did or did not originate in an unfortunate love-affair, which my friend is said to have gone through in his youth, contain grains of truth may be easily shown.

I drop a letter in the New York post-office to-day; my friend in Boston receives it to-morrow and pens a reply at once, which finds me in New York within twenty-four hours. He may have understood and really answered my epistle. But suppose him to have waited a week.

New matters have, meantime, taken possession of both his mind and mine; the topics, which were fresh when I wrote, have lost their interest; the bridge between us is broken down. His reply is worth little more to me than water to flowers cut a month since, or seed to a canary that was interred with tears last Saturday.

Correspondence is conversation carried on under certain peculiar conditions, but subject to the same rules as conversation by word of mouth, except so far forth as they may be modified by those necessary conditions. You do not take your partner's bright saying home with you and bring a repartee to the next ball, by which time she has forgotten what her *_bon mot_* was, and has another, every whit as good, upon her lips; you do not return a lead in whist at the next rubber; you do not postpone the laugh over the jokes of the dinner-table, as is fabulously narrated of Washington, until you have retired for the night. In social intercourse, minds must meet before one person can be brought to another's mood or both to a middle ground; it is the friction of contact, that creates conversation. A remark, not answered the instant after it has been made, is never answered. The bores and bores of society, not the gentlemen and ladies, ruminate upon what has been said, elaborate replies at leisure, and serve them up unseasonably.

For the purposes of correspondence, one may and must throw himself back into the immediate past and assume the mood that was his when he wrote and in which alone a reply can find him. But there is a limit to this power, which is soon reached. Not many letters will keep sweet more than two days. A little indulgence may, perhaps, be shown toward persons who are a week or a fortnight from us by the post, since otherwise we could never converse together. But even they should reply to only the weightier matters suggested, since what they say will probably be stale before it reaches the eyes for which it was written. For the like reasons, I hold a Californian or European correspondence to be an impossibility. As for him whose want of politeness fixes a gulf, a week broad, between himself and his correspondent, there is no excuse. As one reads a letter, an answer to whatever worth answering may be in it leaps to the lips; to give it utterance that moment is the only natural, courteous, and truthful course. Ten days hence, the reply, which now comes of its own accord, cannot be found; what might have been a source of pleasure to two persons will have become a piece of thankless drudgery. In vain the conscientious correspondent, at the appointed time, takes the letter which she would answer out of the compartment of her portfolio, whereon stationers, cunningly humoring a popular weakness, have gilded,--"UNANSWERED LETTERS." In vain she cons it with care, comments upon every observation in it, answers all its questions one by one, and propounds a series of her own, as a basis for the next epistle. Everything has been done decently and in order; but the laboriously-produced letter is a letter which killeth, and contains no infusion of the spirit that giveth life. This is not the writer's fault. It is and must be all but impossible, after a lapse of time, to reproduce the natural reply to a remark, or to concoct one that shall be vital and satisfactory to the other party.

Lovers, of all persons, it would seem, might with least danger postpone answering each other's missives, since their common topic of interest is always with them, and the *_billet-doux_*, after having been carried in the bosom a week, is as fresh as when taken from the post-office. What need for "sweet sixteen" to consume the very night of its reception in essaying a reply, which she might have written next week as well, since next week they two will stand in substantially the same relations to one another as now? "Sweet sixteen" smiles at such coldblooded logic. "To you others," thinks she to herself, "all sunsets may be alike; but in our horizon are constant changes, delicate tones of color, each

'Shade so finely touched love's sense must
seize it.'

The mood into which Walter's note put me may never return again. Now it is correspondent to the mood in which he wrote; now or never must I reply. In this way alone can we keep up a correspondence between our natures."

But the stupid world will not accept, cannot even understand, these fine sayings. It looks at the question with very different eyes from those of lovers, boarding-school misses, and persons in the first moon of a first marriage. The peculiar relations between them may supply inspiration and vitality to such correspondence. But would Dean Swift have put the daily record of his life upon paper for another than Stella to peruse? Would Leander have swum the Hellespont for the sake of meeting any girl but Hero upon the distant shore? As it was, he was drowned for his pains. The rest of us cannot swim Hellesponts, keep diaries, nor correspond, as foolish young people have done and do. We have books to read, business to attend to, duties to perform, tastes to gratify, ambition to feed. Who could bear to have his correspondents always upon his hands? Who could endure such a tax upon his patience as they would become? Who would send for his letters? Who would not rather run away from the postmen, for fear of the next discharge?

In the analogy between conversation and correspondence may, perhaps, be found a key to the problem. Those of us who are not lovers, school-girls, or spinsters are not desirous of keeping up a colloquy, day in and day out. Nor are we in the habit of resuming a subject, in the next interview, at the precise point where we left it. A "regular" conversation, after the fashion of a regular correspondence, is, as between two individuals mutually unknown, or as among a number, invariably a failure. However recently persons may have parted company, at meeting they commence *_de novo_*; a new talk grows out of the circumstances and thoughts of the moment, which ends as naturally as it began, when the talkers get tired or are obliged to stop. Sometimes but one of two or three opens her lips, but conversation, nevertheless, goes on; since an open ear is the most pointed question, and sympathy is the same, whether or not put into words.

To conversation carried on at a distance of space and time, through the pen, not the lips, the simple and obvious principles upon which people act in the drawing-room or the fireside-circle are easily applied. Between those who really wish to talk together letters should fly as rapidly as the post can deliver them. If only one feels like writing, he should pour forth his heart to his friend, although that friend remain as silent as the grave. It would be as absurd to say that either party "owes the letter," as to charge him who had the penultimate word in a dialogue with the duty of making the first remark the next time he encounters her who had the last word. When the topic of immediate interest has been disposed of, a correspondence is over. It matters as little who contributed the larger proportion to it, as who contributes the most to a dialogue. When the end is reached, the story is done. It is for the party who is first in the mood of writing, after an interval of silence, to open a new correspondence, in which there shall be no reference to previous communications, and which may die with the first letter or be protracted for a week or a month.

Thus we are brought to a position not very far from that taken by my eccentric friend. General or regular correspondence is useless, baneful, and in most cases impossible; but special correspondence, born of the necessities of man as a social being, and circumscribed by them, may be from time to time possible. There can be no harm in an occasional exchange of bulletins of health and happiness, like the "good morning" and "how d'ye do" of the street and the parlor, or in making new-year's calls, as it were, annually upon one's distant friends. I know two ladies who have done this as respects each other for twenty years. But, as a rule, the shorter epistles of this description are, the better. Some simple formula, which might be printed for convenience's sake, would answer the purpose, and complete the analogy with the practice of paying three-minute visits of ceremony or of leaving a card at the door.

The employment of a printed formula in all cases, indeed, where one feels not impelled, but obliged to write, would save both time and temper. We lay down nine out of ten of our letters with feelings of disappointment. Were we to imitate the Scotch servant who returned hers to the postmaster, after a glance at the address had assured her of the writer's health, we should be quite as well off as we are now. My correspondent often begins with the remark, that he has nothing to communicate. Then why in the world did he write? Why has he covered four pages with specimens of poor chirography, which it cost him an hour to put upon paper, and us almost as much time to decipher? He sends me news which was in the papers a week ago; or speculations upon it, which professional journalists have already surfeited me with; or short treatises, after the fashion of Cicero's epistolary productions. He talks about the weather, past, present, and to come. He serves up, with piquant sauce, occurrences which he would not have thought worthy of mention at his own breakfast-table. He spins out his two or three facts or ideas into the finest and flimsiest gossamer; or tucks them into a postscript, which alone,

with the formula, should have been forwarded. He writes in a large hand, and resorts to every kind of device to fill up his sheet, instead of taking the manly course of writing only so long as he had something to say, or, if nothing, of keeping silence. A kindly sentence or two may redeem the epistle from utter condemnation; for love, according to Solomon, makes a dinner of herbs palatable. But "LOVE," written beneath a formula, would have answered as well.

I should not dare to describe the productions of my female correspondents in detail. Suffice it to say, that most of them contain a smaller proportion of useless information, and a larger proportion of sentiment, vague aspiration, and would-be-picturesque description, than those of the men who pay postage on my behalf. They are longer, and sometimes crossed; it is therefore a greater task to read them.

My "fair readers"--as the snobs who write for magazines call women--have not, I trust, misapprehended my meaning and lost patience with me. I would not be understood as expressing a preference for one description of letters over another. Every person to his tastes and his talents. But a letter, which does not represent the writer's real mood, reflect what is uppermost in his or her mind, deal with things and thoughts rather than with words, and express, if not strengthen, the peculiar ties between the person writing and the person written to,--a letter which is not genuine,--is no letter, but a sham and a lie. A real letter, on the other hand, whatever its topic, cannot fail to be worth reading. Great thoughts, profound speculations, matters of experience, bits of observation, delicate fancies, romantic sentiments, humorous criticisms on people and things, funny stories, dreams of the future, memories of the past, pictures of the present, the merest gossip, the veriest trifling, everything, nothing, may form the theme, if naturally spoken of, not hunted up to fill out a page.

No reason for modifying my conclusions occurs to me. It may be said, that, after all, a poor letter is better than none, because advices from distant friends are always welcome. But would not a glance at the well-known handwriting supply this want as fully as the perusal of a lengthy epistle, written with the hand, but not with the heart? Does not our chagrin at finding so little of our friends in their letters more than counterbalance our gratification that they have been (presumably) kind and thoughtful enough to write? Would we not gladly give four of their ordinary letters for one of their best? But the instant they strike off the shackles of regular correspondence, and despatch letters only when they feel inclined, replies only while they are fresh, and formulas at other times, if need be, we have our wish; the miles between our friends and ourselves shorten, they are really with us now and then, and we take solid pleasure in chatting with them.

Am I told, that, until these ideas find general acceptance, it is dangerous to act upon them? that for an individual here and there to go out of the common course is only to make himself notorious, a

stranger or a bore to his friends? Were such statements true, they would still be cowardly. We should be faithful to our convictions of what is due to truth and manhood and self-respect, be the consequences what they may. Because a few are so, the world moves. The general voice always comes in as a chorus to a few particular voices. As for friends who cannot appreciate independence of character or of conduct, the fewer one has of them, the better.

Such suggestions as have been thrown out are too obvious to have escaped any one who has given the subject a moment's thought. But who has time for that? People live too fast, in these days, to pay such attention as should be paid to those who are more valuable as individuals than as parts of the great world. The good offices of friendship, which are the fulfilment of the highest social duties, are poorly performed, and, indeed, little understood. Not many of those who think at all think beyond the line of established custom and routine. They may take pains in their letters to obey the ordinary rules of grammar, to avoid the use of slang phrases and vulgar expressions, to write a clear sentence; but how few seek for the not less imperative rules which are prescribed by politeness and good sense! Of those who should know them, no small proportion habitually, from thoughtlessness or perverseness, neglect their observance.

I know men, distinguished in the walks of literature, famed for a beautiful style of composition, who do not write a tolerable letter nor answer a note of invitation with propriety. Their sentences are slipshod, their punctuation and spelling beyond criticism, and their manuscript repulsive. A lady, to whose politeness such an answer is given, has a right to feel offended, and may very properly ask whether she be not entitled to as choice language as the promiscuous crowd which the "distinguished gentleman" addresses from pulpit or desk.

How the distinguished gentleman would open his eyes at the question! He is sure that what he sent her was well enough for a letter. As though a letter, especially a letter to a lady, should not be as perfect in its kind as a lecture or sermon in its kind! as though one's duties toward an individual were less stringent than one's duties toward an audience! Would the distinguished gentleman be willing to probe his soul in search of the true reason for the difference in his treatment of the two? Is he sure that it is not an outgrowth from a certain "mountainous me," which seeks approbation more ardently from the one source than from the other?

There are those who indite elegant notes to comparative strangers, but, probably upon the principle that familiarity breeds or should breed contempt, send the most villanous scrawls to their intimate friends and those of their own household. They are akin to the numerous wives, who, reserving not only silks and satins, but neatness and courtesy, for company, are always in dishabille in their husbands' houses.

Pericles, according to Walter Savage Landor, once wrote to Aspasia as follows:--

"We should accustom ourselves to think always with propriety in little things as well as in great, and neither be too solicitous of our dress in the parlor nor negligent because we are at home. I think it as improper and indecorous to write a stupid or silly letter to you, as one in a bad hand or upon coarse paper. Familiarity ought to have another and a worse name, when it relaxes in its efforts to please."

The London Pericles, the Athenian gentleman,--and there are a few such as he still extant,--writes to his nearest and dearest friend none but the best letters. It appears to him as ill-bred to say stupid or silly things to her, as to say what he does say clownishly. He cannot conceive of doing what is so frequently done now-a-days. He brings as much of Pericles to the composition of a letter as to the preparation of a speech. We may feel sure, that, unless he acted counter to his own maxims, he never wrote a line more or a line less than he felt an impulse to write, and that he had no "regular correspondents."

It is not every one that can write such letters as are in that delightful book of Walter Savage Landor, or as charmed the friends of Charles Lamb, the poet Gray, and a few famous women, first, and the world afterwards. It is not every one who can, with the utmost and wisest painstaking, produce a thoroughly excellent letter. The power to do that is original and not to be acquired. The charm of it will not, cannot, disclose its secret. Like the charm of the finest manners, of the best conversation, of an exquisite style, of an admirable character, it is felt rather than perceived. But every person, who will be simply true to his or her nature, can write a letter that will be very welcome to a friend, because it will be expressive of the character which that friend esteems and loves. The bunch of flowers, hastily put together by her who gathered them, speaks as plainly of affection, although not in so delicate tones, as the most tastefully-arranged bouquet. But who desires to be presented with a nosegay of artificial flowers? Who can abide dead blossoms or violent discords of color? Freshness, sweetness, and an approach to harmony, that shall bring to mind the living, growing plants, and the bountiful Nature from whose embrace flowers are born, the acceptable gift must have.

To attempt a closer definition of a good letter than has been given would be a fruitless, as well as difficult task. "Complete letter-writers" are chiefly useful for the formulas--notes of invitation, answers to them, and the like--which they contain, and for their lessons in punctuation, spelling, and criticism. Their efforts to instruct upon other points are and must be worse than useless, because their precepts cramp without inspiring. A few good examples are more valuable, but a little practice is worth them all. Letter-writing is, after all, a *_pas seul_*, as it were; the novice has no partner to teach him manners, or the figures of the dance, or

to set his wits astir. By effort, and through numerous failures, he must teach himself. The difficulties of the medium between him and his distant friend, who is generally in a similar predicament, must be surmounted. Gradually stiffness gives place to ease of composition, roughness to elegance, awkwardness to grace and tact, until his letters at length come to represent his mood, and to interest, if not to delight, his correspondent. A rigid adherence to times and places and ceremonial retards this process of growth and advance, which is slow enough, at best.

But, although most correspondence is, from want of truthfulness, thoughtfulness, life, good judgment, and good breeding, very unsatisfactory, it cannot be denied that many good letters are written every day. Between lovers, parents and children, real and hearty friends, they pass. Young men on the threshold of life, while discussing together the grave questions then encountered, write them. Women, before their time to love and to be loved has come, or after it is passed,--women, who, disappointed in the great hope of every woman's life, turn to one another for support and shelter,--are sending them by every post. Mr. De Quincey somewhere says, that in the letters of English women, almost alone, survive the pure and racy idioms of the language; and the German Wolf is said to have asserted, that in corresponding with his betrothed he learnt the mysteries of style.

Such letters as these are worth one's reading, because the utterance is genuine and genial. The writers feel and express in every line an interest in what they are writing, and do not recognize the conventional rules which obtain where people rely less upon inspirations from within than upon fixed general maxims for their guidance. As in the drawing-room the gentleman or lady behaves naturally, and not according to the dancing-master, so in their correspondence the best-bred people act from nature, and not from instruction.

* * * * *

THE CATACOMBS OF ROME. [Continued.]

Novit etiam pictura tacens in parietibus loqui.

ST. GREGORY OF NYSSA.

IV.

Christian art began in the catacombs. Under ground, by the feeble light of lanterns, upon the ceilings of crypts, or in the semicircular spaces left above some of the more conspicuous graves, the first Christian pictures were painted. Imperfect in design,

exhibiting often the influence of pagan models, often displaying haste of performance and poverty of means, confined for the most part within a limited circle of ideas, and now faded in color, changed by damp, broken by rude treatment, sometimes blackened by the smoke of lamps,--they still give abundant evidence of the feeling and the spirit which animated those who painted them, a feeling and spirit which unhappily have too seldom found expression in the so-called religious Art of later times. Few of them are of much worth in a purely artistic view. The paintings of the catacombs are rarely to be compared, in point of beauty, with the pictures from Pompeii,--although some of them at least were contemporary works. The artistic skill which created them is of a lower order. But their interest arises mainly from the sentiment which they imperfectly embody, and their chief value is in the light which they throw upon early Christian faith and religious doctrine. They were designed not so much for the delight of the eye and the gratification of the fancy, as for stimulating affectionate imaginations, and affording lessons, easily understood, of faith, hope, and love. They were to give consolation in sorrow, and to suggest sources of strength in trial. "The Art of the first three centuries is entirely subordinate,--restrained partly by persecution and poverty, partly by a high spirituality, which cared more about preaching than painting."

With the uncertain means afforded by the internal character of these mural pictures, or by their position in the catacombs, it is impossible to fix with definiteness the period at which the Christians began to ornament the walls of their burial-places. It was probably, however, as early as the beginning of the second century; and the greater number of the most important pictures which have thus far been discovered within the subterranean cemeteries were probably executed before Christianity had become the established religion of the empire. After that time the decline in painting, as in faith, was rapid; formality took the place of simplicity; and in the course of the fourth and fifth centuries the native fire of Art sank, till nothing was left of it but a few dying embers, which the workmen from the East, who brought in the stiff conventionalisms of Byzantine Art, were unfit and unable to rekindle.

In the pictures of the most interesting period, that is, of the second and third centuries, there is no attempt at literal portraiture or historic accuracy. They were to be understood only by those who had the key to them in their minds, and they mostly arranged themselves in four broad classes. 1st. Representations of personages or scenes from the Old Testament regarded as types of those of the New. 2d. Literal or symbolic representations of personages or scenes from the New Testament. 3d. Miscellaneous figures, chiefly those of persons in the attitude of prayer. 4th. Ornamental designs, often copied from pagan examples, and sometimes with a symbolic meaning attached to them.

It is a noteworthy and affecting circumstance, that, among the immense number of the pictures in the catacombs which may be ascribed to the first three centuries, scarcely one has been found

of a painful or sad character. The sufferings of the Saviour, his passion and his death, and the martyrdoms of the saints, had not become, as in after days, the main subjects of the religious Art of Italy. On the contrary, all the early paintings are distinguished by the cheerful and trustful nature of the impressions they were intended to convey. In the midst of external depression, uncertainty of fortune and of life, often in the midst of persecution, the Roman Christians dwelt not on this world, but looked forward to the fulfilment of the promises of their Lord. Their imaginations did not need the stimulus of painted sufferings; suffering was before their eyes too often in its most vivid reality; they had learned to regard it as belonging only to earth, and to look upon it as the gateway to heaven. They did not turn for consolation to the sorrows of their Lord, but to his words of comfort, to his miracles, and to his resurrection. Of all the subjects of pictures in the catacombs, the one, perhaps, more frequently repeated than any other, and under a greater variety of forms and types, is that of the Resurrection. The figure of Jonah thrown out from the body of the whale, as the type that had been used by our Lord himself in regard to his resurrection, is met with constantly; and the raising of Lazarus is one of the commonest scenes chosen for representation from the story of the New Testament. Nor is this strange. The assurance of immortality was to the world of heathen converts the central fact of Christianity, from which all the other truths of religion emanated, like rays. It gave a new and infinitely deeper meaning than it before possessed to all human experience; and in its universal comprehensiveness, it taught the great and new lessons of the equality of men before God, and of the brotherhood of man in the broad promise of eternal life. For us, brought up in familiarity with Christian truth, surrounded by the accumulated and constant, though often unrecognized influences of the Christian faith upon all our modes of thought and feeling, the imagination itself being more or less completely under their control,-- for us it is difficult to fancy the change produced in the mind of the early disciples of Christ by the reception of the truths which he revealed. During the first three centuries, while converts were constantly being made from heathenism, brought over by no worldly temptation, but by the pure force of the new doctrine and the glad tidings over their convictions, or by the contagious enthusiasm of example and devotion,--faith in Christ and in his teachings must, among the sincere, have been always connected with a sense of wonder and of joy at the change wrought in their views of life and of eternity. Their thoughts dwelt naturally upon the resurrection of their Lord, as the greatest of the miracles which were the seal of his divine commission, and as the type of the rising of the followers of Him who brought life and immortality to light.

The troubles and contentions in the early Church, the disputes between the Jew and the Gentile convert, the excesses of spiritual excitement, the extravagances of fanciful belief, of which the Epistles themselves furnish abundant evidence, ceased to all appearance at the door of the catacombs. Within them there is nothing to recall the divisions of the faithful; but, on the contrary, the paintings on the walls almost universally relate to the simplest

and most undisputed truths. It was fitting that among these the types of the Resurrection should hold a first place.

But the spiritual needs of life were not to be supplied by the promises and hopes of immortality alone. There were wants which craved immediate support, weaknesses that needed present aid, sufferings that cried for present comfort, and sins for which repentance sought the assurance of direct forgiveness. And thus another of the most often-repeated of the pictures in the catacombs is that of the Saviour under the form of the Good Shepherd. No emblem fuller of meaning, or richer in consolation, could have been found. It was very early in common use, not merely in Christian paintings, but on Christian gems, vases, and lamps. Speaking with peculiar distinctness to all who were acquainted with the Gospels, it was at the same time a figure that could be used without exciting suspicion among the heathen, and one which was not exposed to desecration or insult from them; and under emblems of this kind, whose inner meaning was hidden to all but themselves, the first Christians were often forced to conceal the expression of their faith. This figure recalled to them many of the sacred words and most solemn teachings of their Lord: "I am the Good Shepherd; the good shepherd giveth his life for the sheep." Often the good shepherd was represented as bearing the sheep upon his shoulders; and the picture addressed itself with touching and effective simplicity to him whom fear of persecution or the force of worldly temptations had led away. When one of his sheep is lost, doth not the shepherd go after it until he find it? "And when he hath found it, he layeth it on his shoulders, rejoicing." "There is joy in the presence of the angels of God over one sinner that repenteth." How often, before this picture, has some saddened soul uttered the words of the Psalm: "I have gone astray like a lost sheep: seek thy servant, for I do not forget thy commandments"! And as if to afford still more direct assurance of the patience and long-suffering tenderness of the Lord, the Good Shepherd is sometimes represented in the catacombs as bearing, not a sheep, but a goat upon his shoulders. It was as if to declare that his forgiveness and his love knew no limit, but were waiting to receive and to embrace even those who had turned farthest from him. In a picture of very early date in the Catacomb of St. Callixtus, the Good Shepherd stands between a goat and a sheep, "as a shepherd divideth his sheep from the goats; and he shall set the sheep on his right hand and the goats on his left." But in this picture the order is reversed,—the goat is on his right hand and the sheep on his left. It was the strongest type that could be given of the mercy of God. Sometimes the Good Shepherd is represented, not bearing the sheep on his shoulders, but leaning on his crook, and with a pipe in his hands, while his flock stand in various attitudes around him. Here again the reference to Scripture is plain: "He calleth his own sheep by name, and leadeth them out;... and the sheep follow him, for they know his voice." Thus, under various forms and with various meanings, full of spiritual significance, and suggesting the most invigorating and consoling thoughts, the Good Shepherd appears oftener than any other single figure on the vaults and the walls of the catacombs. It is impossible to look at these paintings, poor in execution and in

external expression as they are, without experiencing some sense, faint it may be, of the force with which they must have appealed to the hearts and consciences of those who first looked upon them. It is as if the inmost thoughts and deepest feeling of the Christians of those early times had become dimly visible upon the walls of their graves. The effect is undoubtedly increased by the manner in which these paintings are seen, by the unsteady light of wax tapers, in the solitude of long-deserted passages and chapels. In such a place the dullest imagination is roused, troop on troop of associations and memories pass in review before it, and the fading colors and faint outlines of the paintings possess more power over it than the glow of Titian's canvas, or the firm outline of Michel Angelo's frescoes.

Another symbol of the Saviour which is frequently found in the works of the first three centuries, and which soon afterwards seems to have fallen almost entirely into disuse, is that of the Fish. It is not derived, like that of the Good Shepherd, immediately from the words of Scripture; though its use undoubtedly recalled several familiar narratives. It seems to have been early associated with the well-known Greek formula, [Greek: iaesous christos theon uios sotaer], Jesus Christ the Saviour Son of God, arranged acrostically, so that the first letters of its words formed the word [Greek: ichthus], fish. The first association that its use would suggest was that of Christ's call to Peter and Andrew, "Follow me, and I will make you fishers of men,"--and thus we find, among the early Christian writers, the name of "little fish," *_pisciculi_*, applied to the Christian disciples of their times. But it would serve also to bring to memory the miracle that the multitude had witnessed, of the multiplication of the fishes; and it would recall that last solemn and tender farewell meeting between the Apostles and their Lord on the shore of the Sea of Tiberias, in the early morning, when their nets were filled with fish,--and "Jesus then cometh, and taketh bread, and giveth them, and fish likewise." And with this association was connected, as we learn from the pictures in the catacombs, a still deeper symbolic meaning, in which it represented the body of our Lord as given to his apostles at the Last Supper. In the Cemetery of Callixtus, very near the recently discovered crypt of Pope Cornelius, are two square sepulchral chambers, adorned with pictures of an early date. Those of the first chamber have almost utterly perished, but on the wall of the second may be seen the image of a fish swimming in the water, and bearing on his back a basket filled with loaves of the peculiar shape and color used by the Jews as an offering of the first fruits to their priests; beneath the bread appears a vessel which shows a red color, like a cup filled with wine. "As soon as I saw this picture," says the Cavaliere de Rossi, in his account of the discovery, "the words of St. Jerome came to my mind,--'None is richer than he who bears the body of the Lord in an osier basket and his blood in a glass.'"

In the same cemetery, very near the crypt of St. Cecilia, there is a passage wider than common, upon whose side is a series of sepulchral cells of similar form, and ornamented with similar pictures. In one

of them a table is represented, with four baskets of bread on the ground, on one side, and three on the other, while upon it three loaves and a fish are lying. In another of the chambers is a picture of a single loaf and of a fish upon a plate lying on a table, at one side of which a man stands with his hands stretched out towards it, while on the other side is a woman in the attitude of prayer. It seems no extravagance of interpretation to read in these pictures the symbol of that memorial service which Jesus had established for his followers,--a service which has rarely been celebrated under circumstances more adapted to give to it its full effect, and to awaken in the souls of those who joined in it all the deep and affecting memories of its first institution, than when the bread and wine were partaken of in memory of the Lord within the small and secret chapels of the early catacombs. To the Christians who assembled there in the days when to profess the name of Christ was to venture all things for his sake, his presence was a reality in their hearts, and his voice was heard as it was heard by his immediate followers who sat with him at the table in the upper chamber. [1]

[Footnote 1: The Cavaliere de Rossi, in his very learned tract, *De Christianis Monumentis* [Greek: IChThUN] *exhibitibus*, expresses the belief that these pictures, besides their direct and simple reference to the Lord's Supper, exhibit also the Catholic doctrine of the Real Presence in the Eucharist. The bread he considers as the obvious material symbol, the fish the mystical symbol of the transubstantiation. His interpretation is at least doubtful. The bread was to be eaten in remembrance of the Lord, and the fish was represented as the image which recalled his words, that have been perverted by materialistic imaginations so far from their original meaning,--"This is my body which is given for you." But the date of the origin of false opinions is a matter of comparative unimportance.]

There are several instances, among these subterranean pictures, of a symbolic representation of the Saviour, drawn, not from Scripture, but from a heathen original. It is that of Orpheus playing upon his lyre, and drawing all creatures to him by the sweetness of his strains. It was a fiction widely spread soon after the introduction of Christianity among the Gentiles, that Orpheus, like the Sibyls and some other of the characters of mythology, had had some blind revelation of the coming of a saviour of the world, and had uttered indistinct prophecies of the event. Forgeries, similar to those of the Sibylline Verses, professing to be the remains of the poems of Orpheus, were made among the Alexandrian Christians, and for a long period his name was held in popular esteem, as that of a heathen prophet of Christian truth. Whether the paintings in the catacombs took their origin from these fictions must be uncertain; but driven, as the Roman Christians were, to hide the truth under a symbol that should be inoffensive, and should not reveal its meaning to pagan eyes, it was not strange that they should select this of the ancient poet. As he had drawn beasts and trees and stones to listen to the music of his lyre, so Christ, with persuasive sweetness and compelling force, drew men more savage than beasts, more rooted in

the earth than trees, more cold than stones, to listen to and follow him. As Orpheus caused even the kingdom of Death to render back the lost, so Christ drew the souls of men from the very gates of hell, and made the grave restore its dead. And thus from the old heathen story the Christian drew new suggestions and fresh meaning, and beheld in it an unconscious setting-forth of many holy truths.

A subject from the Gospels, which is often represented, and which was used with a somewhat obscure symbolic meaning, is that of the man sick of the palsy, cured by the Saviour with the words, "Arise, take up thy bed, and go to thine house." It belongs, according to the ancient interpretation, to the series of subjects that embody the doctrine of the Resurrection. It is thus explained by St. Ambrose, St. Augustine, and others of the fathers. They understood the words of Christ as addressed to them with the meaning, "Arise, leave the things of this world, have faith, and go forward to thy abiding home in heaven." Such an interpretation is entirely congruous with the general tone of thought and feeling exhibited in many other common paintings in the catacombs. But later Romanist writers have attempted to connect its interpretation with the doctrine of the Forgiveness of Sins, as embodied in what is called the power of the Church in the holy sacrament of Penance. They lay stress on the words, "Be of good cheer, thy sins are forgiven thee," and suppose that the picture expresses the belief that the delegated power of forgiving sins still remained on earth. Undoubtedly the painting may well have recalled to mind these earlier words of the narrative, as well as the later ones, and with the same comforting assurance that was afforded by the emblem of the Good Shepherd; but there seems no just reason for supposing it to have borne any reference to the peculiar doctrine of the Roman Church. The pictures themselves, so far as we are acquainted with them, seem to contradict this assumption; for they, without exception, represent the paralytic in the last act of the narrative, already on his feet and bearing his bed. [2]

[Footnote 2: One picture of this scene in the Catacombs of St. Hermes is said to be in immediate connection with the sacrament of Penance "represented literally, in the form of a Christian kneeling on both knees before a priest, who is giving him absolution." We have not seen the original of this picture, and we know of no copy of it. It is not given either by Bosio or in Perret's great work. Before accepting it in evidence, its date must be ascertained, and the possibility of a more natural explanation of it excluded. How is one figure known to be that of a priest? and in what manner is the act of giving absolution expressed?]

Among the favorite subjects from the Old Testament are four from the life of Moses,--his taking off his shoes at the command of the Lord, his exhibiting the manna to the people, his receiving the tables of the Law, and his striking the rock in the desert. Of these, the first and the last are most common, and the truths which they were intended to typify seem to have been most dwelt upon. Moses was regarded in the ancient Church as the type, in the old dispensation,

of our Saviour in the new. Thus as the narrative of the command to Moses to take off his shoes was immediately connected with the promise of the deliverance of the children of Israel from the land of bondage, so it was regarded as the figure under which was to be seen the promise of the greater deliverance of the world through faith in Jesus Christ, and its freedom from spiritual bondage. Moreover, the shoes were put off, "for the place whereon thou standest is holy ground"; and it is a natural supposition to regard the act as having been considered the symbol of that Holiness to the Lord which was the necessary preparation for the great deliverance. Like so many other of the paintings, it led forward the thoughts and the affections from time to eternity. And this figure was also, we may well suppose, taken as an immediate type of the Resurrection, in connection with the words of Jesus, "Now that the dead are raised even Moses showed at the bush, when he calleth the Lord" (or, as it should be translated, "when, in telling you of the bush, he says that the Lord called himself") "the God of Abraham, and the God of Isaac, and the God of Jacob. For God is not the God of the dead, but of the living." With this interpretation, it affords another instance of the constancy with which the Christians connected the thought of immortality with the presence of death.

So also the smiting of the rock, so that the water came forth abundantly, was adopted as the sign of the giving forth of the living water springing up into everlasting life. "The rock was Christ," said St. Paul, and it is possible, that, with a secondary interpretation, the smiting of the rock was sometimes regarded as typical of the sufferings of the Saviour. The picture of this miracle is repeated again and again, and one of the noblest figures in the whole range of subterranean Art, a figure of surpassing dignity and grandeur, is that of Moses in this sublime scene in one of the chapels of the Cemetery of St. Agnes. In the performance of this miracle, Moses is represented with a rod in his hand; and a similar rod, apparently as the sign of power, is seen in the hands of Christ, in the paintings which represent his miracles. It is a curious illustration of the gradual progress of the ideas now current in the Roman Church, that upon sarcophagi of the fourth and fifth centuries St. Peter is found sculptured with the same rod in his hands,--emblematic, unquestionably, of the doctrine of his being the Vicegerent of Christ,--and on the bottom of a glass vessel of late date, found in the catacombs, the miracle of the striking of the rock is depicted, but at the side of the figure is the name, not of Moses, but of Peter,--for the Church had by this time advanced far in its assumptions.

The story of Jonah appears also in four different scenes upon the walls of the chapels and burial-chambers. In the first, the prophet appears as being cast into the sea; in the second, swallowed by the great fish; in the third, thrown out upon dry land; and in the fourth, lying under the gourd. They are not found together, or in series; but sometimes one and sometimes another of these scenes was painted, according to the fancy or the thought of the artist. The swallowing of Jonah, and his deliverance from the belly of the whale, has

already been referred to as one of the naturally suggested types of the Resurrection. When the prophet is shown as lying under a gourd, (which is painted as a vine climbing over a trellis-work, to represent the booth that Jonah made for himself,) the picture may perhaps have been read as a double lesson. As God "made the gourd to come up over Jonah, that it might be a shadow over his head, to deliver him from his grief," so he would deliver from their grief those who now trusted in him; but as he also made the gourd to wither, so that "the sun beat upon the head of Jonah that he fainted and wished in himself to die," it was for them to remember their utter dependence on the will of God, to prepare themselves for the sorrows as for the joys of life. Nor was this all; the story of Jonah was one especially fitted to remind the recent convert of the long-suffering and grace of God, and to suggest to those who were enduring the extremities of persecution the rebuke with which the Lord had chastened even his prophet for his desire for vengeance upon those who had long dwelt in evil ways. It recalled to them the new commandment of love to their enemies, and it bade them welcome with rejoicing even the latest and most reluctant listener to the truth. It repressed spiritual pride, and checked too ready anger. Was not Rome even greater "than Nineveh, that great city, wherein are more than six-score thousand persons that cannot discern between their right hand and their left hand, and also much cattle"? Such were some, at least, of the meanings which the Christians of the catacombs may have seen in these pictures. It would be long to enter into the more subtle and less satisfactory interpretations of their symbolic meanings which are to be found in the works of some of the later fathers, and which afford, as in many other instances, illustrations of the extravagance of symbolism into which the studies of the cell, the darkness of their age, and the insufficiency of their education often led them.

Two subjects are of frequent repetition in the catacombs, which bear a direct reference to the personal circumstances in which the Christians from time to time found themselves. One is that of Daniel in the lions' den,--the other that of the Three Children of Israel in the fiery furnace. Both were types of persecution and of deliverance. "Thy God, whom thou servest continually, he will deliver thee." Daniel is uniformly represented in the attitude of prayer,--the attitude adopted by the early Christians, standing with arms outstretched. Very often single figures with no names attached to them are thus represented above or by the side of graves. They were probably intended as figures of those who lay within them, figures of those who had been constant in prayer; and this conjecture is almost established as a certainty by the existence of a few of these figures with names inscribed above them,--as, for instance, "HILARA IN PACE."

Noah in the ark is also one of the repeated subjects from the Old Testament; the ark being represented as a sort of square box, in the middle of which Noah stands, sometimes in prayer, and sometimes with the dove flying towards him, bearing a branch of olive. It was the type of the Church, the whole body of Christians, floating in the

midst of storms, but with the promise of peace; or, with wider signification, it was the type of the world saved through the revelation of Christ. It bore reference also to the words of St. Peter, in his First Epistle, concerning the ark, "wherein few, that is eight souls, were saved by water; the like figure whereunto, even baptism, doth also now save us by the resurrection of Jesus Christ." Sometimes, indeed, the act of baptism is represented in a more literal manner, by a naked figure immersed in the water; sometimes, perhaps, by still other types.

Paintings of the temptation and the fall of Adam and Eve, in which the composition often reminds one of that adopted by the later masters, are often seen on the walls; and the sacrifice of Abraham, in which with reverent and just simplicity the interference of the Almighty is represented by a hand issuing from the clouds, is a common subject. Less frequent are pictures of David with his sling, of Tobit with the fish, of Susanna and the elders, treated symbolically, and some few other Old Testament stories. Their typical meaning was plain to the minds of those who frequented the catacombs. From the Gospels many scenes are represented in addition to those we have already mentioned: among the most common are the miracle of the multiplication of the loaves; our Saviour seated, with two or more figures standing near him; and his restoring sight to the blind. Every year's new excavations bring to light some new picture, and our acquaintance with the Art of the catacombs is continually receiving interesting additions.

There appears to have been no definite rule in respect to the combination of subjects in a single chapel. The ceilings are generally divided into various compartments, each filled with a different subject. Thus, for example, we find on one of them the central compartment occupied by a figure of Orpheus; four smaller compartments are filled with sheep or cattle; and four others with Moses striking the rock, Daniel in the lions' den, David with his sling, and Jesus restoring the paralytic. At the angles of the vault are doves with branches of olive; and the ornaments of the ceiling are all of graceful and somewhat elaborate character. The purely ornamental portions of the paintings, though obviously formed on heathen originals, are almost universally of a pleasing and joyful character, and in many cases possess a symbolic meaning. Flowers, crowns of leaves, garlands, vines with clustering grapes, displayed more to the Christian's eyes than mere beauty of form. In these and other similar accessories the symbolism of the early Church delighted to manifest itself. On their terracotta lamps, fixed in the mortar at the head of graves, on their sepulchral tablets, on their rings, on their glass cups and chalices, the Christians put these emblems of their faith, keeping in mind their spiritual significance. Many of these symbols have preserved their inner meaning to the present day, while others have long lost it. Thus, the crown and the laurel were the emblems of victory; the palm, of triumph; the olive, of peace; the vine loaded with grapes, of the joys of heaven. The dove was at once the figure of the Holy Spirit, and the symbol of innocence and purity of heart; the peacock the

emblem of immortality. The ship reminded the Christian of the harbor of safety, or recalled to him the Church tossed upon the waves; the anchor was the sign of strength and of hope; the lyre was the symbol of the sweetness of religion; the stag, of the soul thirsting for the Lord; the cock, of watchfulness; the horse, of the course of life; the lamb, of the Saviour himself.

Many of these symbols were, it is plain, derived from the Scripture, but many also had a heathen origin, and were adopted by the Christians with a new or an additional significance. It was not strange that this should be so, for many associations still bound the Christians of the early centuries to the things they had turned away from. Thus, the horse is frequently found upon the funeral vases and marbles of the ancients; the peacock, the bird of Juno, was the emblem of the apotheosis of the Roman empresses; the palm and the crown had long been in use; and the funeral genii of the heathen Romans were in some sort the type of the later Christian angels. But although this adoption of ancient symbols is to be noticed, it is also to be observed that there is in the Christian cemeteries on the whole a remarkable absence of heathen imagery,--less by far than might have been expected in the works of those surrounded by heathen modes of thought and expression. The influence of Christianity, however, so changed the current of ideas, and so affected the feelings of those whom it called to new life, that heathenism became to them, as it were, a dead letter, devoid of all that could rouse the fancy, or affect the inner thought. A great gulf was fixed between them and it,--a gulf which for three centuries, at least, charity alone could bridge over. It was not till near the fourth century that heathenism began, to any marked extent, to modify the character and to corrupt the purity of Christianity.

And with this is connected one of the most important historic facts with regard to the Art of the catacombs. In no one of the pictures of the earlier centuries is support or corroboration to be found of the distinctive dogmas and peculiar claims of the Roman Church. We have already spoken of the pictures that have been supposed to have symbolic reference to the doctrine of the Real Presence in the Eucharist, and have shown how little they require such an interpretation. The exaltation of St. Peter above the other Apostles is utterly unknown in the works of the first three centuries; in instances in which he is represented, it is as the companion of St. Paul. The Virgin never appears as the subject of any special reverence. Sometimes, as in pictures of the Magi bringing their gifts, she is seen with the child Jesus upon her lap. No attempt to represent the Trinity (an irreverence which did not become familiar till centuries later) exists in the catacombs, and no sign of the existence of the doctrine of the Trinity is to be met with in them, unless in works of a very late period. Of the doctrines of Purgatory and Hell, of Indulgences, of Absolution, no trace is to be found. Of the worship of the saints there are few signs before the fourth century,--and it was not until after this period that figures of the saints, such as those spoken of heretofore, in the account of the crypt of St. Cecilia, became a common adornment of the sepulchral

walls. The use of the *_nimbus_*, or glory round the head, was not introduced into Christian Art before the end of the fourth century. It was borrowed from Paganism, and was adopted, with many other ideas and forms of representation, from the same source, after Romanism had taken the place of Paganism as the religion of the Western Empire. The faith of the catacombs of the first three centuries was Christianity, not Romanism.

In the later catacombs, the change of belief, which was wrought outside of them, is plainly visible in the change in the style of Art. Byzantine models stiffened, formalized, and gradually destroyed the spirit of the early paintings. Richness of vestment and mannerism of expression took the place of simplicity and straightforwardness. The Art which is still the popular Art in Italy began to exhibit its lower round of subjects. Saints of all kinds were preferred to the personages of Scripture. The time of suffering and trial having passed, men stirred their slow imaginations with pictures of the crucifixion and the passion. Martyrdoms began to be represented; and the series--not even yet, alas! come to an end--of the coarse and bloody atrocities of painting, pictures worthy only of the shambles, beginning here, marked the decline of piety and the absence of feeling. Love and veneration for the older and simpler works disappeared, and through many of the ancient pictures fresh graves were dug, that faithless Christians might be buried near those whom they esteemed able to intercede for and protect them. These graves hollowed out in the wall around the tomb of some saint or martyr became so common, that the term soon arose of a burial *_intra_* or *_retro sanctos_*, *_among_* or *_behind the saints_*. One of the most precious pictures in the Catacombs of St. Callixtus, precious from its peculiar character, is thus in some of its most important parts utterly destroyed. It represents, so far as is to be seen now, two men in the attitude of preaching to flocks who stand near them,--and if the eye is not deceived by the uncertain light, and by the dimness of the injured colors, a shower of rain, typical of the showers of divine grace, is falling upon the sheep: on one who is listening intently, with head erect, the shower falls abundantly; on another who listens, but with less eagerness, the rain falls in less abundance; on a third who listens, but continues to eat, with head bent downward, the rain falls scantily; while on a fourth, who has turned away to crop the grass, scarcely a drop descends. Into this parable in painting the irreverence of a succeeding century cut its now rifled and forlorn graves.

But the Art of the catacombs, after its first age, was not confined to painting. Many sculptured sarcophagi have been found within the crypts, and in the crypts of the churches connected with the cemeteries. Here was again the adoption of an ancient custom; and in many instances, indeed, the ancient sarcophagi themselves were employed for modern bodies, and the old heathens turned out for the new Christians. Others were obviously the work of heathen artists employed for Christian service; and others exhibit, even more plainly than the later paintings, some of the special doctrines of the Church. The whole character of this sculpture deserves fuller

investigation than we can give to it here. The collection of these first Christian works in marble that has recently been made in the Lateran Museum affords opportunity for its careful study,--a study interesting not only in an artistic, but in an historic and doctrinal point of view.

The single undoubted Christian statue of early date that has come down to us is that of St. Hippolytus, Bishop of Porto, which was found in 1551, near the Basilica of St. Lawrence. Unfortunately, it was much mutilated, and has been greatly restored; but it is still of uncommon interest, not only from its excellent qualities as a work of Art, but also from the engraving upon its side of a list of the works of the Saint, and of a double paschal cycle. This, too, is now in the Christian Museum at the Lateran.

Another branch of early Christian Art, which deserves more attention than it has yet received, is that of the mosaics of the catacombs. Their character is widely different from that of those with which a few centuries afterwards the popes splendidly adorned their favorite churches. But we must leave mosaics, gems, lamps, and all the lesser articles of ornament and of common household use that have been found in the graves, and which bring one often into strange familiarity with the ways and near sympathy with the feelings of those who occupied the now empty cells. Most of these trifles seem to have been buried with the dead as the memorials of a love that longed to reach beyond death with the expressions of its constancy and its grief. Among them have been found the toys of little children,--their jointed ivory dolls, their rattles, their little rings, and bells,--full, even now, of the sweet sounds of long-ago household joys, and of the tender recollections of household sorrows. In looking at them, one is reminded of the constant recurrence of the figure of the Good Shepherd bearing his lamb, painted upon the walls of these ancient chapels and crypts.

It was thus that the dawn of Christian Art lighted up the darkness of the catacombs. While the Roman nobles were decorating their villas and summer-houses with gay figures, scenes from the ancient stories, and representations of licentious fancies,--while the emperors were paving the halls of their great baths with mosaic portraits of the famous prize-fighters and gladiators,--the Christians were painting the walls of their obscure cemeteries with imagery which expressed the new lessons of their faith, and which was the type and the beginning of the most beautiful works that the human imagination has conceived, and the promise of still more beautiful works yet to be created for the delight and help of the world.

[To be continued.]

* * * * *

BEATRICE

How was I worthy so divine a loss,
Deepening my midnights, kindling all my morns?
Why waste such precious wood to make my cross,
Such far-sought roses for my crown of thorns?

And when she came, how earned I such a gift?
Why spend on me, a poor earth-delving mole,
The fireside sweetnesses, the heavenward lift,
The hourly mercy of a woman's soul?

Ah, did we know to give her all her right,
What wonders even in our poor clay were done!
It is not Woman leaves us to our night,
It is our earth that grovels from her sun.

Our nobler cultured fields and gracious domes
We whirl too oft from her who still shines on
To light in vain our caves and clefts, the homes
Of night-bird instincts pained till she be gone.

Still must this body starve our souls with shade;
But when Death makes us what we were before,
Then shall her sunshine all our depths invade,
And not a shadow stain heaven's crystal floor.

METEMPSYCHOSIS.

"The sense of the world is short,--
Long and various the report,--
To love and be beloved:
Men and gods have not outlearned it;
And how oft soe'er they've turned it,
'Tis not to be improved!"--EMERSON.

Mr. Vane and Mr. Payne both were eagerly describing to me their arrangements for an excursion to the Lake. I did not doubt it would be charming, but neither of these two gentlemen would be endurable on such a drive, and each was determined to ask me first. I stood pushing apart the crushed flowers of my bouquet, in which all the gardener's art vindicated itself by making the airy grace of Nature into a flat, unmeaning mosaic.

In the next room the passionate melancholy of a waltz was mocked and travestied by the frantic and ungrateful whirl that only Americans are capable of executing; the music lived alone in upper air; of men and dancing it was all unaware; the involved cadences rolled away

over the lawn, shook the dew-drooped roses on their stems, and went upward into the boundless moonlight to its home. Through all, Messrs. Vane and Payne harangued me about the splendid bowling-alley at the Lake, the mountain-strawberries, the boats, the gravel-walks! At last it became amusing to see how skilfully they each evaded and extinguished the other; it was a game of chess, and he was to be victor who should first ask me; if one verged upon the question, the other quickly interposed some delightful circumstance about the excursion, and called upon the first to corroborate his testimony; neither, in Alexander's place, would have done anything but assure the other that the Gordian knot was very peculiarly tied, and quite tight.

Presently Harry Tempest stood by my side. I became aware that he had heard the discussion. He took my bouquet from my hand, and stood smelling it, while my two acquaintance went on. I was getting troubled and annoyed; Mr. Tempest's presence was not composing. I played with my fan nervously; at length I dropped it. Harry Tempest picked it up, and, as I stooped, our eyes met; he gave me the fan, and, turning from Messrs. Vane and Payne, said, very coolly,--

"The Lake is really a charming place; I think, Miss Willing, you would find a carriage an easier mode of conveyance, so far, than your pony; shall I bring one for you? or do you still prefer to ride?"

This was so quietly done, that it seemed to me really a settled affair of some standing that I was to go to the Lake with Mr. Tempest. Mr. Vane sauntered off to join the waltzers; Mr. Payne suddenly perceived Professor Rust at his elbow and began to talk chemistry. I said, as calmly as I had been asked,--

"I will send you word some time tomorrow; I cannot tell just now."

Here some of my friends came to say good night; my duties as hostess drew me toward the door; Harry Tempest returned my bouquet and whispered, or rather said in that tone of society that only the person addressed can hear,--

"Clara! let it be a drive!"

My head bent forward as he spoke, for I could not look at him; when I raised it, he was gone.

The music still soared and floated on through the windows into the moonlight; one by one the older part of my guests left me; only a few of the gayest and youngest still persevered in that indefatigable waltz, the oval room looking as if a score of bubbles were playing hop and skip,--for in the crinoline expansions the gentlemen's black pen-and-ink outlines were all lost. At length even these went; the music died; its soul went up with a long, broken cry; its body was put piecemeal into several green bags, shouldered by stout Germans, and carried quite out of sight. The servants gathered and set away such things as were most needful to be arranged, put out the lights,

locked the doors and windows, and went to bed. Mrs. Reading, my good housekeeper, begged me to go up stairs.

"You look so tired, Miss Clara!"

"So I am, Delia!" said I. "I will rest. Go to bed you, and I shall come presently."

I heard her heavy steps ascend the stairs; I heard the door of her room close, creaking. How could I sleep? I knew very well what the coming day would bring; I knew why Harry Tempest preferred to drive. I had need of something beside rest, for sleep was impossible; I needed calmness, quiet, enough poise to ask myself a momentous question, and be candidly answered. This quiet was not to be found in my room, I well knew; every bit of its furniture, its drapery, was haunted, and in any hour of emotion the latent ghosts came out upon me in swarms; the quaint mandarins with crooked eyes and fat cheeks had eyed me a thousand times when Elsie's arm was clasped over my neck, and with her head upon my shoulder we lay and laughed, when we should have been dressing, at those Chinese chintz curtains. Elsie was gone; if she had been here, I had been at once counselled. Rest there, dead Past!--I could not go to my bedroom.

The green-house opened from the large parlor by a sash-door. At this season of the year the glazed roof and sides were withdrawn or lowered, but at night the lower sashes were drawn up and fastened, lest incursive cats or dogs should destroy my flowers. The great Newfoundland that was our guard slept on the floor here, since it was the weakest spot for any ill-meaning visitors to enter at.

I drew the long skirt of my lace dress up over my hair, and quietly went into the green-house. The lawn and its black firs tempted me, but there was moonlight on the lawn, and moonlight I cannot bear; it burns my head more fiercely than any noon sun; it scorches my eyelids; it exhausts and fevers me; it excites my brain, and now I looked for calm. This the odor of the flowers and their pure expression promised me. A tall, thick-leaved camellia stood half-way down the border, and before it was a garden-chair. The moonlight shed no ray there, but through the sashes above streamed cool and fair over the blooms that clung to the wall and adorned the parterres and vases; for this house was set after a fashion of my own, a winter-garden under glass; no stages filled the centre. It was laid out with no stiff rule, but here and there in urns of stone, or in pyramidal stands, gorgeous or fragrant plants ran at their own wild will, while over all the wall and along the woodwork of the roof trailed passion-flowers, roses, honeysuckles, fragrant clematis, ivy, and those tropic vines whose long dead names belie their fervid luxuriance and fantastic growth; great trees of lemon and orange interspaced the vines in shallow niches of their own, and the languid drooping tresses of a golden acacia flung themselves over and across the deep glittering mass of a broad-leaved myrtle.

As I sat down in the chair, Pan reared his dusky length from his mat,

and came for a recognition. It was wont to be something more positive than caresses; but to-night neither sweet biscuit nor savory bit of confectionery appeared in the hand that welcomed him; yet he was as loving as ever, and, with a grim sense of protection, flung himself at my feet, drew a long breath, and slept. I dared not yet think; I rested my head against the chair, and breathed in the odor of the flowers: the delicate scent of tea-roses; the Southern perfume, fiery and sweet, like Greek wine, of profuse heliotropes,--a perfume that gives you thirst, and longing, and regret. I turned my head toward the orange-trees; Southern, also, but sensuous and tropic, was the breath of those thick white stars,--a tasted odor. Not so the cool air that came to me from a diamond-shaped bed of Parma violets, kept back so long from bloom that I might have a succession of them; these were the last, and their perfume told it, for it was at once a caress and a sigh. I breathed the gale of sweetness till every nerve rested and every pulse was tranquil as the air without.

I heard a little stir. I looked up. A stately calla, that reared one marble cup from its gracious cool leaves, was bending earthward with a slow and voluntary motion; from the cup glided a fair woman's shape; snowy, sandalled feet shone from under the long robe; hair of crisped gold crowned the Greek features. It was Hypatia. A little shiver crept through a white tea-rose beside the calla; its delicate leaves fluttered to the ground; a slight figure, a sweet, sad face, with melancholy blue eyes and fair brown hair, parted the petals. La Valliere! She gazed in my eyes.

"Poor little child!" said she. "Have you a treatise against love, Hypatia?"

The Greek of Egypt smiled and looked at me also. "I have discovered that the steps of the gods are upon wool," answered she; "if love had a beginning to sight, should not we also foresee its end?"

"And when one foresees the end, one dies," murmured La Valliere.

"Bah!" exclaimed Marguerite of Valois, from the heart of a rose-red camellia,--"not at all, my dear; one gets a new lover!"

"Or the new lover gets you," said a dulcet tone, tipped with satire, from the red lips of Mary of Scotland,--lips that were just now the petals of a crimson carnation.

"Philosophy hath a less troubled sea wherein to ride than the stormy fluctuance of mortal passion; Plato is diviner than Ovid," said a puritanic, piping voice from a coif that was fashioned out of the white camellia-blooms behind my chair, and circled the prim beauty of Lady Jane Grey.

"Are you a woman, or one of the Sphinx's children?" said a stormy, thrilling, imperious accent, from the wild purple and scarlet flower of the Strelitzia, that gradually shaped itself into gorgeous Oriental robes, rolled in waves of splendor from the lithe waist and

slender arms of a dark woman, no more young,--sallow, thin, but more graceful than any bending bough of the desert acacia, and with eyes like midnight, deep, glowing, flashing, melting into dew, as she looked at the sedate lady of England.

"You do not know love!" resumed she. "It is one draught,--a jewel fused in nectar; drink the pearl and bring the asp!"

Her words brought beauty; the fallow face burnt with living scarlet on lip and cheek; the tiny pearl-grains of teeth flashed across the swarth shade above her curving, passionate mouth; the wide nostrils expanded; the great eyes flamed under her low brow and glittering coils of black hair.

"Poor Octavia!" whispered La Valliere. Lady Jane Grey took up her breviary and read.

"After all, you died!" said Hypatia.

"I lived!" retorted Cleopatra.

"Lived and loved," said a dreamy tone from the hundred leaves of a spotless La Marque rose; and the steady, "unhasting, unresting" soul of Thekla looked out from that centreless flower, in true German guise of brown braided tresses, deep blue eyes like forget-me-nots, sedate lips, and a straight nose.

"I have lived, and loved, and cut bread and butter," solemnly pronounced a mountain-daisy, assuming the broad features of a fraeulein.

Cleopatra used an Egyptian oath. Lady Jane Grey put down her breviary and took up Plato. Marguerite of Valois laughed outright. Hypatia put a green leaf over Charlotte, with the air of a high-priestess, and extinguished her.

"Who does not love cannot lose," mused La Valliere.

"Who does not love neither has nor gains," said Hypatia. "The dilemma hath two sides, and both gain and loss are problematic. It is the ideal of love that enthralls us, not the real."

"Hush! you white-faced Greek! It was not an ideal; it was Mark Antony. By Isis! does a dream fight, and swear, and kiss?"

"The Navarrese did; and France dreamed he was my master,--not !!" laughed Marguerite.

"This is most weak stuff for goodly and noble women to foster," grimly uttered a flame-colored hawk's-bill tulip, that directly assumed a ruff and an aquiline nose.

Mary of Scotland passed her hand about her fair throat. "Where is

Leicester's ring?" said she.

The Queen did not hear, but went on. "Truly, you make as if it was the intent of women to be trodden under foot of men. She that ruleth herself shall rule both princes and nobles, I wot. Yet I had done well to marry. Love or no love, I would the house of Hanover had waged war with one of mine own blood; I hate those fair, fat Guelphs!"

"Love hath sometimes the thorn alone, the rose being blasted in bud," uttered a sweet and sonorous voice with a little nasal accent, out of the myrtle-boughs that starred with bloom her hair, and swept the hem of her green dress.

"Sweet soul, wast thou not, then, sated upon sonnets?" said Mary of Scotland, in a stage aside.

"Do not the laurels overgrow the thorn?" said La Valliere, with a wistful, inquiring smile.

Laura looked away. "They are very green at Avignon," said she.

Out of two primroses, side by side, Stella and Vanessa put forth pale and anxious faces, with eyes tear-dimmed.

"Love does not feed on laurels," said Stella; "they are fruitless."

"That the clergy should be celibate is mine own desire," broke in Queen Elizabeth. "Shall every curly fool's-pate of a girl be turning after an anointed bishop? I will have this thing ended, certes! and that with speed."

Vanessa was too deep in a brown study to hear. Presently she spoke. "I believe that love is best founded upon a degree of respect and veneration which it is decent in youth to render unto age and learning."

"Ciel!" muttered Marguerite; "is it, then, that in this miserable England one cherishes a grand passion for one's grandfather?"

The heliotrope-clusters melted into a face of plastic contour, rich full lips, soft interfused outlines, intense purple eyes, and heavy waving hair, dark indeed, but harmonized curiously with the narrow gold fillet that bound it. "It is no pain to die for love," said the low, deep voice, with an echo of rolling gerunds in the tone.

"That depends on how sharp the dagger is," returned Mary of Scotland. "If the axe had been dull"----

From the heart of a red rose Juliet looked out; the golden centre crowned her head with yellow tresses; her tender hazel eyes were calm with intact passion; her mouth was scarlet with fresh kisses, and full of consciousness and repose. "Harder it is to live for love,"

said she; "hardest of all to have ever lived without it."

"How much do you all help the matter?" said a practical Yankee voice from a pink hollyhock. "If the infinite relations of life assert themselves in marriage, and the infinite I merges its individuality in the personality of another, the superincumbent need of a passional relation passes without question. What the soul of the seeker asks from itself and the universe is, whether the ultimate principle of existent life is passional or philosophic."

"Your dialectic is wanting in purity of expression," calmly said Hypatia; "the tongue of Olympus suits gods and their ministers only."

"Plato hath no question of the matter in hand," observed Lady Jane Grey, with a tone of finishing the subject.

"I know nothing of your questions and philosophies," scornfully stormed Cleopatra. "Fire seeks fire, and clay, clay. Isis send me Antony, and every philosopher in Alexandria may go drown in the Nile! Shall I blind my eyes with scrolls of papyrus when there is a goodly Roman to be looked upon?"

From the deep blue petals of a double English violet came a delicate face, pale, serene, sad, but exceeding tender. "Love liveth when the lover dies," said Lady Rachel Russell. "I have well loved my lord in the prison; shall I cease to affect him when he is become one of the court above?"

"You are cautious of speech, Mesdames," carelessly spoke Marguerite. "Women are the fools of men; you all know it. Every one of you has carried cap and bell."

They all turned toward the hawk's-bill tulip; it was not there.

"Gone to Kenilworth," demurely sneered Mary of Scotland.

A pond-lily, floating in a tiny tank, opened its clasped petals; and with one bare pearly foot upon the green island of leaves, and the other touching the edge of the marble basin, clothed with a rippling, lustrous, golden garment of hair, that rolled downward in glittering masses to her slight ankles, and half hid the wide, innocent, blue eyes and infantile, smiling lips, Eve said, "I was made for Adam," and slipped silently again into the closing flower.

"But we have changed all that!" answered Marguerite, tossing her jewel-clasped curls.

"They whom the saints call upon to do battle for king and country have their nature after the manner of their deeds," came a clear voice from the fleur-de-lis, that clothed itself in armor, and flashed from under a helmet the keen, dark eyes and firm, beardless lips of a woman.

"There have been cloistered nuns," timidly breathed La Valliere.

"There is a monk's-hood in that parterre without," said Marguerite.

The white clematis shivered. It was a veiled shape in long robes, that hid face and figure, who clung to the wall and whispered, "Paraclete!"

"There are tales of saints in my breviary," soliloquized Mary of Scotland; and in the streaming moonlight, as she spoke, a faint outline gathered, lips and eyes of solemn peace, a crown of blood-red roses pressing thorns into the wan temples that dripped sanguine streams, and in the halo above the wreath a legend, partially obscured, that ran, "Utque talis Rosa nulli alteri plantae adhaereret"----

"But the girl there is no saint; I think, rather, she is of mine own land," said a purple passion-flower, that hid itself under a black mantilla, and glowed with dark beauty. The Spanish face bent over me with ardent eyes and lips of sympathetic passion, and murmured, "Do not fear! Pedro was faithful unto and after death; there are some men"----

Pan growled! I rubbed my eyes! Where was I? Mrs. Reading stood by me in very extempore costume, holding a night-lamp:--

"Goodness me, Miss Clara!" said she, "I never was more scared. I happened to wake up, and I thought I see your west window open across the corner; so I roused up to go and see if you was sick; and you wasn't in bed, nor your frock anywhere. I was frighted to pieces; but when I come down and found the greenhouse door open, I went in just for a chance, and, lo and behold! here you are, sound asleep in the chair, and Pan a-lying close onto that beautiful black lace frock! Do get up, Miss Clara! you'll be sick to-morrow, sure as the world!"

I looked round me. All the flowers were cool and still; the calla breathless and quiet; the pond-lily shut; the roses full of dew and perfume; the clematis languid and luxuriant.

"Delia," said I, "what do you think about matrimony?"

Mrs. Reading stared at me with her honest green eyes. I laughed.

"Well," said she, "marriage is a lottery, Miss Clara. Reading was a pretty good feller; but seein' things was as they was, if I'd had means and knowed what I know now, I shouldn't never have married him."

"May-be you'd have married somebody else, though," suggested I.

"Like enough, Miss Clara; girls are unaccountable perverse when they get in love. But do get up and go to bed. A'n't you goin' to the Lake to-morrow?"

That put my speculation to flight. Up I rose and meekly followed

Delia to my room; this time she staid to see me fairly disrobed. But I had had sleep enough. I was also quiet; I could think. The future lay at my feet, to be planned and patterned at my will; or so I thought. I had not permitted myself to think much about Harry Tempest, from an instinctive feeling of danger; I did not know then that

"En songeant qu'il faut oublier
On s'en souvient!"

I was young, rich, beautiful, independent; I came and went as I would, without question, and did my own pleasure. If I married, all this power must be given up; possibly I and my husband would tire of each other,--and then what remained but fixed and incurable disgust and pain? I thought over my strange dream. Cleopatra, the enchantress, and the scorn of men: that was not love, it was simple passion of the lowest grade. Lady Jane Grey: she was only proper. Marguerite de Valois: profligate. Elizabeth: a shrewish, selfish old politician. Who of all these had loved? Arria: and Paetus dying, she could not love. Lady Russell: she lived and mourned. I looked but at one side of the argument, and drew my inferences from that, but they satisfied me. Soon I saw the dawn stretch its opal tints over the distant hills, and tinge the tree-tops with bloom. I heard the half-articulate music of birds, stirring in their nests; but before the sounds of higher life began to stir I had gone to sleep, firmly resolved to ride to the Lake, and to give Harry Tempest no opportunity to speak to me alone. But I slept too long; it was noon before I woke, and I had sent no message about my preference of the pony, as I promised, to Mr. Tempest. I had only time to breakfast and dress. At three o'clock he came,--with his carriage, of course. So I rode to the Lake!

It's all very well to make up one's mind to say a certain thing; it is better if you say it; but, somehow or other,--I really was ashamed afterward,--I forgot all my good reasons. I found I had taken a great deal of pains to no purpose. In short, after due time, I married Harry Tempest; and though it is some time since that happened, I am still much of Eve's opinion,--

"I WAS MADE FOR ADAM."

* * * * *

CRAWFORD AND SCULPTURE.

There is as absolute an instinct in the human mind for the definite, the palpable, and the emphatic, as there is for the mysterious, the versatile, and the elusive. With some, method is a law, and taste severe in affairs, costume, exercise, social intercourse, and faith. The simplicity, directness, uniformity, and pure emphasis or grace of Sculpture have analogies in literature and character: the terse

despatch of a brave soldier, the concentrated dialogue of Alfieri, some proverbs, aphorisms, and poetic lines, that have become household words, puritanic consistency, silent fortitude, are but so many vigorous outlines, and impress us by virtue of the same colorless intensity as a masterpiece of the statuary. How sculpturesque is Dante, even in metaphor, as when he writes,--

"Ella non ci diceva alcuna cosa;
Ma lasciavane gir, solo guardando,
A guisa di leon quando si posa."

Nature, too, hints the art, when her landscape tints are covered with snow, and the forms of tree, rock, and mountain are clearly defined by the universal whiteness. Death, in its pale, still, fixed image,--always solemn, sometimes beautiful,--would have inspired primeval humanity to mould and chisel the lineaments of clay. Even New Zealanders elaborately carve their war-clubs; and from the "graven images" prohibited by the Decalogue as objects of worship, through the mysterious granite effigies of ancient Egypt, the brutal anomalies in Chinese porcelain, the gay and gilded figures on a ship's prow,--whether emblems of rude ingenuity, tasteless caprice, retrospective sentiment, or embodiments of the highest physical and mental culture, as in the Greek statues,--there is no art whose origin is more instructive and progress more historically significant. The vases of Etruria are the best evidence of her degree of civilization; the designs of Flaxman on Wedgwood ware redeem the economical art of England; the Bears at Berne and the Wolf in the Roman Capitol are the most venerable local insignia; the carvings of Gibbons, in old English manor-houses, outrival all the luxurious charms of modern upholstery; Phidias is a more familiar element in Grecian history than Pericles; the moral energy of the old Italian republics is more impressively shadowed forth and conserved in the bold and vigorous creations of Michel Angelo than in the political annals of Macchiavelli; and it is the massive, uncouth sculptures, half-buried in sylvan vegetation, which mythically transmit the ancient people of Central America.

We confess a faith in, and a love for, the "testimony of the rocks,"--not only as interpreted by the sagacious Scotchman, as he excavated the "old red sandstone," but as shaped into forms of truth, beauty, and power by the hand of man through all generations. We love to catch a glimpse of these silent memorials of our race, whether as Nymphs half-shaded at noon-day with summer foliage in a garden, or as Heroes gleaming with startling distinctness in the moonlit city-square; as the similitudes of illustrious men gathered in the halls of nations and crowned with a benignant fame, or as prone effigies on sepulchres, forever proclaiming the calm without the respiration of slumber, so as to tempt us to exclaim, with the enamored gazer on the Egyptian queen, when the asp had done its work,--

"She looks like sleep,
As she would catch another Antony
In her _strong toil of grace_."

Although Dr. Johnson undervalued sculpture,--partly because of an inadequate sense of the beautiful, and partly from ignorance of its greatest trophies, he expressed unqualified assent to its awe-inspiring influence in "the monumental caves of death," as described by Congreve. Sir Joshua truly declares that "all arts address themselves to the sensibility and imagination"; and no one thus alive to the appeal of sculpture will marvel that the infuriated mob spared the statues of the Tuileries at the bloody climax of the French Revolution,--that a "love of the antique" knit in bonds of life-long friendship Winckelmann and Cardinal Albani,--that among the most salient of childhood's memories should be Memnon's image and the Colossus of Rhodes,--that an imaginative girl of exalted temperament died of love for the Apollo Belvidere,--and that Carrara should win many a pilgrimage because its quarries have peopled earth with grace.

To a sympathetic eye there are few more pleasing tableaux than a gifted sculptor engaged in his work. How absorbed he is!--standing erect by the mass of clay,--with graduated touch, moulding into delicate undulations or expressive lines the inert mass,--now stepping back to see the effect,--now bending forward, almost lovingly, to add a master indentation or detach a thin layer,--and so, hour after hour, working on, every muscle in action, each perception active, oblivious of time, happy in the gradual approximation, under patient and thoughtful manipulation, of what was a dense heap of earth, to a form of vital expression or beauty. When such a man departs from the world, after having thus labored in love and with integrity so as to bequeath memorable and cherished trophies of this beautiful art,--when he dies in his prime, his character as a man endeared by the ties of friendship, and his fame as an artist made precious by the bond of a common nativity, we feel that the art he loved and illustrated and the fame he won and honored demand a coincident discussion.

Thomas Crawford was born in New York, March 22, 1813, and died in London, October 16, 1857. His lineage, school education, and early facilities indicate no remarkable means or motive for artistic development; they were such as belong to the average positions of the American citizen; although a bit of romance, which highly amused the young sculptor, was the visit of a noble Irish lady to his studio, who ardently demonstrated their common descent from an ancient house. At first contented to experiment as a juvenile draughtsman, to gaze into the windows of print-shops, to collect what he could obtain in the shape of casts, to carve flowers, leaves, and monumental designs in the marble-yard of Launitz,--then adventuring in wood sculptures and portraits, until the encouragement of Thorwaldsen, the nude models of the French Academy at Rome, and copies from the Demosthenes and other antiques in the Vatican disciplined his eye and touch,--thus by a healthful, rigorous process attaining the manual skill and the mature judgment which equipped him to venture wisely in the realm of original conception,--there was a thoroughness and a progressive application in his whole initiatory course,

prophetic, to those versed in the history of Art, of the ultimate and secure success so legitimately earned.

If Rome yields the choicest test, in modern times, of individual endowment in sculpture, by virtue of her unequalled treasures and select proficients in Art,—Munich affords the second ordeal in Europe, because of the cultivated taste and superior foundries for which that capital is renowned; and it is remarkable that both the great statues there cast from Crawford's models by Mueller inspired those impromptu festivals which give expression to German enthusiasm. The advent of the Beethoven statue was celebrated by the adequate performance, under the auspices of both court and artists, of that peerless composer's grandest music. When, on the evening of his arrival, Crawford went to see, for the first time, his Washington in bronze, he was surprised at the dusky precincts of the vast arena; suddenly torches flashed illumination on the magnificent horse and rider, and simultaneously burst forth from a hundred voices a song of triumph and jubilee: thus the delighted Germans congratulated their gifted brother, and hailed the sublime work,—to them typical at once of American freedom, patriotism, and genius. The king warmly recognized the original merits and consummate effect of the work; the artists would suffer no inferior hands to pack and despatch it to the sea-side; peasants greeted its triumphal progress;—the people of Richmond were emulous to share the task of conveying it from the quay to the Capitol hill; mute admiration, followed by ecstatic cheers, hailed its unveiling, and the most gracious native eloquence inaugurated its erection.

Descriptions of works of Art, especially of statues, are proverbially unsatisfactory; only a vague idea can be given in words, to the unprofessional reader; otherwise we might dwell upon the eager, intent attitude of Orpheus as he seems to glide by the dozing Cerberus, shading his eyes as they peer into the mysterious labyrinth he is about to enter in search of his ravished bride;—we might expatiate on the graceful, dignified aspect of Beethoven, the concentration of his thoughtful brow, and the loving serenity of his expression,—a kind of embodied musical self-absorption, yet an accurate portrait of the man in his inspired mood; so might he have stood when gathering into his serene consciousness the pastoral melodies of Nature, on a summer evening, to be incorporated into immortal combinations of harmonious sound;—we might descant upon the union of majesty and spirit in the figure of Washington and the vital truth of action in the horse, the air of command and of rectitude, the martial vigor and grace, so instantly felt by the popular heart, and so critically praised by the adept in statuary cognizant of the difficulties to be overcome and the impression to be absolutely evolved from such a work, in order to make it at once true to Nature and to character;—we might repeat the declaration, that no figure, ancient or modern, so entirely illustrates the classic definition of oratory, as consisting in action, as the statue of Patrick Henry, which seems instinct with that memorable utterance, "Give me liberty or give me death!" The inventive felicity of the design for one of the pediments of the Capitol might

be unfolded as a vivid historic poem; and it requires no imagination to show that Jefferson looks the author of the Declaration of Independence. The union of original expression and skill in statuary and of ingenious constructiveness in monumental designs, which Crawford exhibited, may be regarded as a peculiar excellence and a rare distinction.

Much has been said and written of the limits of sculpture; but it is the sphere, rather than the art itself, which is thus bounded; and one of its most glorious distinctions, like that of the human form and face, which are its highest subject, is the vast possible variety within what seems, at first thought, to be so narrow a field. That the same number and kind of limbs and features should, under the plastic touch of genius, have given birth to so many and totally diverse forms, memorable for ages and endeared to humanity, is in itself an infinite marvel, which vindicates, as a beautiful wonder, the statuary's art from the more Protean rivalry of pictorial skill. If we call to mind even a few of the sculptured creations which are "a joy forever," even to retrospection,--haunting by their pure individuality the temple of memory, permanently enshrined in heartfelt admiration as illustrations of what is noble in man and woman, significant in history, powerful in expression, or irresistible in grace,--we feel what a world of varied interest is hinted by the very name of Sculpture. Through it the most just and clear idea of Grecian culture is revealed to the many. The solemn mystery of Egyptian and the grand scale of Assyrian civilization are best attested by the same trophies. How a Sphinx typifies the land of the Pyramids and all its associations, mythological, scientific, natural, and sacred,--its reverence for the dead, and its dim and portentous traditions! and what a reflex of Nineveh's palmy days are the winged lions exhumed by Layard! What more authentic tokens of Mediaeval piety and patience exist than the elaborate and grotesque carvings of Albert Durer's day? The colossal Brahma in the temple of Elephanta, near Bombay, is the visible acme of Asiatic superstition. And can an illustration of the revival of Art, in the fifteenth century, so exuberant, aspiring, and sublime, be imagined, to surpass the Day and Night, the Moses, and other statues of Angelo?-- But such general inferences are less impressive than the personal experience of every European traveller with the least passion for the beautiful or reverence for genius. Is there any sphere of observation and enjoyment to such a one, more prolific of individual suggestions than this so-called limited art? From the soulful glow of expression in the inspired countenance of the Apollo, to the womanly contours, so exquisite, in the armless figure of the Venus de Milo,--from the aerial posture of John of Bologna's Mercury, to the inimitable and firm dignity in the attitude of Aristides in the Museum of Naples,--from the delicate lines which teach how grace can chasten nudity in the Goddess of the Tribune at Florence, to the embodied melancholy of Hamlet in the brooding Lorenzo of the Medici Chapel,--from the stone despair, the frozen tears, as it were, of all bereaved maternity, in the very bend of Niobe's body and yearning gesture, to the _abandon_ gleaming from every muscle of the Dancing Faun,--from the stern brow of the Knife-grinder, and the bleeding

frame of the Gladiator, whereon are written forever the inhumanities of ancient civilization, to the triumphant beauty and firm, light, enjoyable aspect of Dannecker's Ariadne,--from the unutterable joy of Cupid and Psyche's embrace, to the grand authority of Moses,--how many separate phases of human emotion "live in stone"! What greater contrast to eye or imagination, in our knowledge of facts and in our consciousness of sentiment, can be exemplified, than those so distinctly, memorably, and gracefully moulded in the apostolic figures of Thorwaldsen, the Hero and Leander of Steinhaueser, the lovely funereal monument, inspired by gratitude, which Rauch reared to Louise of Prussia, Chantrey's Sleeping Children, Canova's Lions in St. Peter's, the bas-reliefs of Ghiberti on the Baptistery doors at Florence, and Gibson's Horses of the Sun?

Have you ever strolled from the inn at Lucerne, on a pleasant afternoon, along the Zurich road, to the old General's garden, where stands the colossal lion designed by Thorwaldsen, to keep fresh the brave renown of the Swiss guard who perished in defence of the royal family of France during the massacre of the Revolution? Carved from the massive sandstone, the majestic animal, with the fatal spear in his side, yet loyal in his vigil over the royal shield, is a grand image of fidelity unto death. The stillness, the isolation, the vivid creepers festooning the rocks, the clear mirror of the basin, into which trickle pellucid streams, reflecting the vast proportions of the enormous lion, the veteran Swiss, who acts as *cicerone*, the adjacent chapel with its altar-cloth wrought by one of the fair descendants of the Bourbon king and queen for whom these victims perished, the hour, the memories, the admixture of Nature and Art, convey a unique impression, in absolute contrast with such white effigies, for instance, as in the dusky precincts of Santa Croce droop over the sepulchre of Alfieri, or with the famous bronze boar in the Mercato Nuovo of Florence, or the ethereal loveliness of that sweet scion of the English nobility, moulded by Chantrey in all the soft and lithe grace of childhood, holding a contented dove to her bosom.

Even as the subject of taste, independently of historical diversities, sculpture presents every degree of the meretricious, the grotesque, and the beautiful,--more emphatically, because more palpably, than is observable in painting. The inimitable Grecian standard is an immortal precedent; the Mediaeval carvings embody the rude Teutonic truthfulness; where Canova provoked comparison with the antique, as in the Perseus and Venus, his more gross ideal is painfully evident. How artificial seems Bernini in contrast with Angelo! How minutely expressive are the terra-cotta images of Spain! What a climax of absurdity teases the eye in the monstrosities in stone which draw travellers in Sicily to the eccentric nobleman's villa, near Palermo! Who does not shrink from the French allegory and horrible melodrama of Roubillac's monument to Miss Nightingale, in Westminster Abbey? How like Horace Walpole to dote on Ann Conway's canine groups! We actually feel sleepy, as we examine the little black marble Somnus of the Florence Gallery, and electrified with the first sight of the Apollo, and won to sweet emotion in the presence of Nymphs, Graces,

and the Goddess of Beauty, when, shaped by the hand of genius, they seem the ethereal types of that

----"common clay ta'en from the common earth,
Moulded by God and tempered by the tears
Of angels to the perfect form of woman."

Yet the distinctive element in the pleasure afforded by sculpture is tranquillity,--a quiet, contemplative delight; somewhat of awe chastens admiration; a feeling of peace hallows sympathy; and we echo the poet's sentiment,--

"I do feel a mighty calmness creep
Over my heart, which can no longer borrow
Its hues from chance or change,--those children of to-morrow."

It is this fixedness and placidity, conveying the impression of fate, death, repose, or immortality, which render sculpture so congenial as commemorative of the departed. Even quaint wooden effigies, like those in St. Mary's Church at Chester, with the obsolete peaked beards, ruffs, and broadswords, accord with the venerable associations of a Mediaeval tomb; while marble figures, typifying Grief, Poetry, Fame, or Hope, brooding over the lineaments of the illustrious dead, seem, of all sepulchral decorations, the most apt and impressive. We remember, after exploring the plain of Ravenna on an autumn day, and rehearsing the famous battle in which the brave young Gaston de Foix fell, how the associations of the scene and story were defined and deepened as we gazed on the sculptured form of a recumbent knight in armor, preserved in the academy of the old city; it seemed to bring back and stamp with brave renown forever the gallant soldier who so long ago perished there in battle. In Cathedral and Parthenon, under the dome of the Invalides, in the sequestered parish church or the rural cemetery, what image so accords with the sad reality and the serene hope of humanity, as the adequate marble personification on sarcophagus and beneath shrine, in mausoleum or on turf-mound?

"His palms infolded on his breast,
There is no other thought express'd
But long disquiet merged in rest."

In truth, it is for want of comprehensive perception that we take so readily for granted the limited scope of this glorious art. There is in the Grecian mythology alone a remarkable variety of character and expression, as perpetuated by the statuary; and when to her deities we add the athletes, charioteers, and marble portraits, a realm of diverse creations is opened. Indeed, to the average modern mind, it is the statues of Grecian divinities that constitute the poetic charm of her history; abstractly, we regard them with the poet:--

"Their gods? what were their gods?
There's Mars, all bloody-haired; and Hercules,
Whose soul was in his sinews; Pluto, blacker

Than his own hell; Vulcan, who shook his horns
At every limp he took; great Bacchus rode
Upon a barrel; and in a cockle-shell
Neptune kept state; then Mercury was a thief;
Juno a shrew; Pallas a prude, at best;
And Venus walked the clouds in search of lovers;
Only great Jove, the lord and thunderer,
Sat in the circle of his starry power
And frowned 'I will!' to all."

Not in their marble beauty do they thus ignobly impress us,--but calm, fair, strong, and immortal. "They seem," wrote Hazlitt, "to have no sympathy with us, and not to want our admiration. In their faultless excellence they appear sufficient to themselves."

In the sculptor's art, more than on the historian's page, lives the most glorious memory of the classic past. A visit to the Vatican by torchlight endears even these poor traditional deities forever.

On lofty ceilings vivid frescoes glow,
Auroras beam,
The steeds of Neptune through the waters go,
Or Sibyls dream.

As in the flickering torchlight shadows weaved
Illusions wild,
Methought Apollo's bosom slightly heaved
And Juno smiled.

Aerial Mercuries in bronze upspring,
Dianas fly,
And marble Cupids to the Psyches cling
Without a sigh.

To this variety in unity, this wealth of antique genius, Crawford brought the keen relish of an observant and the aptitude of a creative mind. His taste in Art was eminently catholic; he loved the fables and the personages of Greece because of this very diversity of character,--the freedom to delineate human instincts and passions under a mythological guise,--just as Keats prized the same themes as giving broad range to his fanciful muse. A list of our prolific sculptor's works is found to include the entire circle of subjects and styles appropriate to his art--first, the usual classic themes, of which his first remarkable achievement was the Orpheus; then a series of Christian or religious illustrations, from Adam and Saul to Christ at the Well of Samaria; next, individual portraits; a series of domestic figures, such as the "Children in the Wood," or "Truant Boys"; and, finally, what may be termed national statuary, of which Beethoven and Washington are eminent exemplars. Like Thorwaldsen, Crawford excelled in *basso-relievo*, and was a remarkable pictorial sculptor. Having made early and intense studies of the antique, he as carefully observed Nature; few statuaries have more keenly noted the action of childhood or

equestrian feats, so that the limbs and movement of the sweetest of human and the noblest of brute creatures were critically known to him. In sculpture, we believe that a great secret of the highest success lies in an intuitive eclecticism, whereby the faultless graces of the antique are combined with just observation of Nature. Without correct imitative facility, a sculptor wanders from the truth and the fact of visible things; without ideality, he makes but a mechanical transcript; without invention, he but repeats conventional traits. The desirable medium, the effective principle, has been well defined by the author of "Scenes and Thoughts in Europe":-- "Art does not merely copy Nature; it cooperates with her, it makes palpable her finest essence, it reveals the spiritual source of the corporeal by the perfection of its incarnations." That Crawford invariably kept himself to "the height of this great argument" it were presumptuous to assert; but that he constantly approached such an ideal, and that he sometimes seized its vital principle, the varied and expressive forms yet conserved in his studio at Rome emphatically attest. He had obtained command of the vocabulary of his art; in expressing it, like all men who strive largely, he was unequal. Some of his creations are far more felicitous than others; he sometimes worked too fast, and sometimes undertook what did not greatly inspire him; but when we reflect on the limited period of his artist-life, on the intrepid advancement of its incipient stages under the pressure of narrow means and comparative solitude, on the extraordinary progress, the culminating force, the numerous trophies, and the acknowledged triumphs of a life of labors, so patiently achieved, and suddenly cut off in mid career,--we cannot but recognize a consummate artist and the grandest promise yet vouchsafed to the cause of national Art.

Shelley used to say that a Roman peasant is as good a judge of sculpture as the best academician or anatomist. It is this direct appeal, this elemental simplicity, which constitutes the great distinction and charm of the art. There is nothing evasive and mysterious; in dealing with form and expression through features and attitude, average observation is a reliable test. The same English poet was right in declaring that the Greek sculptors did not find their inspiration in the dissecting-room; yet upon no subject has criticism displayed greater insight on the one hand and pedantry on the other, than in the discussion of these very chefs-d'oeuvre of antiquity. While Michel Angelo, who was at Rome when the Laocöen was discovered, hailed it as "the wonder of Art," and scholars identified the group with a famous one described by Pliny, Canova thought that the right arm of the father was not in its right position, and the other restorations in the work have all been objected to. Goethe recognized a profound sagacity in the artist: "If," he wrote, "we try to place the bite in some different position, the whole action is changed, and we find it impossible to conceive one more fitting; the situation of the bite renders necessary the whole action of the limbs";--and another critic says, "In the group of the Laocöen, the breast is expanded and the throat contracted to show that the agonies that convulse the frame are borne in silence." In striking contrast with such testimonies to the scientific truth

to Nature in Grecian Art was the objection I once heard an American back-woods mechanic make to this celebrated work; he asked why the figures were seated in a row on a dry-goods box, and declared that the serpent was not of a size to coil round so small an arm as the child's, without breaking its vertebrae. So disgusted was Titian with the critical pedantry elicited by this group, that, in ridicule thereof, he painted a caricature,--three monkeys writhing in the folds of a little snake.

Yet, despite the jargon of connoisseurship, against which Byron, while contemplating the Venus de Medici, utters so eloquent an invective, sculpture is a grand, serene, and intelligible art,--more so than architecture and painting,--and, as such, justly consecrated to the heroic and the beautiful in man and history. It is predominantly commemorative. How the old cities of Europe are peopled to the imagination, as well as the eye, by the statues of their traditional rulers or illustrious children, keeping, as it were, a warning sign, or a sublime vigil, silent, yet expressive, in the heart of busy life and through the lapse of ages! We could never pass Duke Cosmo's imposing effigy in the old square of Florence without the magnificent patronage and the despotic perfidy of the Medicean family being revived to memory with intense local association,--nor note the ugly mitred and cloaked papal figures, with hands extended, in the mockery of benediction, over the beggars in the piazzas of Romagna, without Ranke's frightful picture of Church abuses reappearing, as if to crown these brazen forms with infamy. There was always a gleam of poetry,--however sad,--on the most foggy day, in the glimpse afforded from our window, in Trafalgar Square, of that patient horseman, Charles the Martyr. How alive old Neptune sometimes looked, by moonlight, in Rome, as we passed his plashing fountain! And those German poets,--Goethe, Schiller, and Jean Paul,--what to modern eyes were Frankfort, Stuttgart, and Baireuth, unconsecrated by their endeared forms? The most pleasant association Versailles yielded us of the Bourbon dynasty was that inspired by Jeanne d'Arc, graceful in her marble sleep, as sculptured by Marie d'Orleans; and the most impressive token of Napoleon's downfall we saw in Europe was his colossal image intended for the square of Leghorn, but thrown permanently on the sculptor's hands by the waning of his proud star. The statue of Heber, to Christian vision, hallows Calcutta. The Perseus of Cellini breathes of the months of artistic suspense, inspiration, and experiment, so graphically described in that clever egotist's memoirs. One feels like blessing the grief-bowed figures at the tomb of Princess Charlotte, so truly do their attitudes express our sympathy with the love and the sorrow her name excites. Would not Sterne have felt a thrill of complacency, had he beheld his tableau of the Widow Wadman and Uncle Toby so genially embodied by Ball Hughes? What more spirited symbol of prosperous conquest can be imagined than the gilded horses of St. Mark's? How natural was Michel Angelo's exclamation, "March!" as he gazed on Donatello's San Giorgio, in the Church of San Michele,--one mailed hand on a shield, bare head, complete armor, and the foot advanced, like a sentinel who hears the challenge, or a knight listening for the charge! Tenerani's

"Descent from the Cross," in the Torlonia Chapel, outlives in remembrance the brilliant assemblies of that financial house. The outlines of Flaxman, essentially statuesque, seem alone adequate to illustrate to the eye the great Mediaeval poet, whose verse seems often cut from stone in the quarries of infernal destiny. How grandly sleep the lions of Canova at Pope Clement's tomb!

It is to us a source of noble delight, that with these permanent trophies of the sculptor's art may now be mingled our national fame. Twenty years ago, the address in Murray's Guide-Book,--Crawford, an American Sculptor, Piazza Barberini,--would have been unique; now that name is enrolled on the list of the world's benefactors in the patrimony of Art. Greenough, by his pen, his presence, and his chisel, gave an impulse to taste and knowledge in sculpture and architecture not destined soon to pass away; no more eloquent and original advocate of the beautiful and the true in the higher social economies has blest our day; his Cherubs and Medora overflow with the poetry of form; his essays are a valuable legacy of philosophic thought. The Greek Slave of Powers was invariably surrounded by visitors at the London World's Fair and the Manchester Exhibition. Palmer has sent forth from his isolated studio at Albany a series of ideal busts, of a pure type of original and exquisite beauty. Others might be named who have honorably illustrated an American claim to distinction in an art eminently republican in its perpetuation of national worth and the identity of its highest achievements with social progress.

Facility of execution and prolific invention were the essential traits of Crawford's genius. For some years his studio has been one of the shrines of travellers at Rome, because of the number and variety as well as excellence of its trophies. The idea has been suggested, and it is one we hope to see realized, that this complete series of casts should be permanently conserved in such a temple as Copenhagen reared to the memory of her great sculptor. It was on account of this facility and fecundity that Crawford advocated plaster as an occasional substitute for bronze and marble, where elaborate compositions were proposed. He felt capable of achieving so much, his mind teemed with so many panoramic and single conceptions,--historical, allegorical, ideal, and illustrative of standard literature or classical fable,--that only time and expense presented obstacles to unlimited invention. Perhaps no one can conceive this peculiar creativeness of his fancy and aptitude of hand, who has not had occasion to talk with Crawford of some projected monument or statue. No sooner was he possessed of the idea to be embodied, the person or occasion to be commemorated, than he instantly conceived a plan and drew a model, invariably possessing some felicitous thought or significant arrangement. His sketch-book was quite as suggestive of genius as his studio. The "Sketch of a Statue to crown the Dome of the United States Capitol"--a photograph of which is before us as we write, dated two years ago--is an instance in point. A more grand figure, original and symbolic, graceful and sublime, in attitude, aspect, drapery, accessories, and expression, or one more appropriate, cannot be imagined; and yet it

is only one of hundreds of national designs, more or less mature, which that fertile brain, patriotic heart, and cunning hand devised. We are justified in regarding the appropriation by the State of Virginia, for a monument to Washington by such a man, as an epoch in the history of national Art. Crawford hailed it as would a confident explorer the ship destined to convey him to untracked regions, the ambitious soldier tidings of the coming foe, or any brave aspirant a long-sought opportunity. It is one of the drawbacks to elaborate achievement in sculpture, that the materials and the processes of the art require large pecuniary facilities. To plan and execute a great national monument, under a government commission, was precisely the occasion for which Crawford had long waited. Happening to read the proposals in a journal, while on a visit to this country, he repaired immediately to Richmond, submitted his views, and soon received the appointment.

The absence of complexity in the language and intent of sculpture is always obvious in the expositions of its votaries. In no class of men have we found such distinct and scientific views of Art. One lovely evening in spring, we stood with Bartolini beside the corpse of a beautiful child. Bereavement in a foreign land has a desolation of its own, and the afflicted mother desired to carry home a statue of her loved and lost. We conducted the sculptor to the chamber of death, that he might superintend the casts from the body. No sooner did his eyes fall upon it, than they glowed with admiration and filled with tears. He waved the assistants aside, clasped his hands, and gazed spellbound upon the dead child. Its brow was ideal in contour, the hair of wavy gold, the cheeks of angelic outline. "How beautiful!" exclaimed Bartolini; and drawing us to the bedside, with a mingled awe and intelligence, he pointed out how the rigidity of death coincided, in this fair young creature, with the standard of Art;--the very hands, he declared, had stiffened into lines of beauty; and over the beautiful clay we thus learned from the lips of a venerable sculptor how intimate and minute is the cognizance this noble art takes of the language of the human form. Greenough would unfold by the hour the exquisite relation between function and beauty, organization and use,--tracing therein a profound law and an illimitable truth. No more genial spectacle greeted us in Rome than Thorwaldsen at his Sunday-noon receptions;--his white hair, kindly smile, urbane manners, and unpretending simplicity gave an added charm to the wise and liberal sentiments he expressed on Art,--reminding us, in his frank eclecticism, of the spirit in which Humboldt cultivates science, and Sismondi history. Nor less indicative of this clear apprehension was the thorough solution we have heard Powers give, over the mask taken from a dead face, of the problem, how its living aspect was to modify its sculptured reproduction; or the original views expressed by Palmer as to the treatment of the eyes and hair in marble. During Crawford's last visit to America, we accompanied him to examine a portrait of Washington by Wright. It boasts no elegance of arrangement or refinement of execution; at a glance it was evident that the artist had but a limited sense of beauty and lacked imagination; but, on the other hand, he possessed what, for a sculptor's object,--namely,

facts of form and feature,--is more important,--conscience. Crawford declared this was the only portrait of Washington which literally represented his costume; having recently examined the uniform, sword, etc., he was enabled to identify the strands of the epaulette, the number of buttons, and even the peculiar seal and watch-key. A man so faithful to details, so devoted to authenticity, Crawford argued, was reliable in more essential things. He remarked, that one of his own greatest difficulties in the equestrian statue had been to reconcile the shortness of the neck in Stuart's portrait and Houdon's statue (the body of which was not taken from life) with the stature of Washington,--there being an anatomical incongruity therein. "I had determined," he continued, "to follow what the laws of Nature and all precedent indicate as the right proportion,--otherwise it would be impossible to make a graceful and impressive statue; but in this picture, bearing such remarkable evidence of authenticity, I find the correct distance between chin and breast."

American travellers in Italy will sometimes be repelled by a certain narrowness in the critical estimate of modern sculptors; though of all arts sculpture demands and justifies the most liberal eclecticism. Thus, a broad line of demarcation has been arbitrarily drawn between high finish and prolific invention, originality and superficial skill; as if these merits could not be united, or were incompatible with each other,--and that, invariably, works of "outward skill elaborate" are "of inward less exact." A Boston critic denominates Powers "a sublime mechanic," as if there were only physical imitation in his busts, and no expression in his figures. The insinuation is unjust. By exquisite finish and patient labor he makes of such subjects as the Fisher-boy, the Proserpine, and Il Penseroso charming creations,--in attitude and feature true to the moment and the mood delineated, and not less true in each detail; their popularity is justified by scientific and tasteful canons; and his portrait busts and statues are, in many instances, unrivalled for character as well as execution. A letter to one of his friends lies before us, in which he responds to an amicable remonstrance at his apparent slowness of achievement. The reasoning is so cogent, the principle asserted of such wide application, and the artistic conscience so nobly evident, that we venture to quote a passage.

"It is said, that works designed to adorn buildings need not be done with much care, being only architectural sculptures. This is quite a modern idea. The Greeks did not entertain it, as is proved by those gems which Lord Elgin sawed away from the walls of the Parthenon. I cannot admit that a noble art should ever be prostituted to purposes of mere show. They do not make rough columns, coarse and uneven friezes, jagged mouldings, etc., for buildings. These are always highly finished. Are figures in marble less important? But speed, speed, is the order of the day,--'quick and cheap' is the cry; and if I prefer to linger behind and take pains with the little I do, there are some now, and there will be more hereafter, to approve it. I cannot consent to model statues at the rate of three in six months, and a clear conscience will reward me for not having yielded to the temptation of making money at the sacrifice of my artistic reputation.

Art is, or should be, poetry, in its various forms,--no matter what it is written upon,--parchment, paper, canvas, or marble. Milton employed his daughter to write his 'Paradise Lost,' not to compose it; her hand was moved by his soul; she was his modelling-tool,--nothing more. But to employ another to model for you, and go away from him, is not analogous. He then composes for you; modelling is composition. And whom did Shakspeare get to do this for him? Whom did Gray employ to arrange in words that immortal wreath set with diamond thoughts which he has thrown upon a country churchyard? Whom did Michel Angelo get to model his Moses? How many young men did Ghiberti employ during the forty years he was engaged upon the Gates of Paradise? I cannot yield my convictions of what is proper in Art. I will do my work as well as I know how, and necessity compels me to demand ample payment for it."

We have sometimes wondered that some aesthetic philosopher has not analyzed the vital relation of the arts to each other and given a popular exposition of their mutual dependence. Drawing from the antique has long been an acknowledged initiation for the limner, and Campbell, in his terse description of the histrionic art, says that therein "verse ceases to be airy thought, and sculpture to be dumb." How much of their peculiar effects did Talma, Kemble, and Rachel owe to the attitudes, gestures, and drapery of the Grecian statues! Kean adopted the "dying fall" of General Abercrombie's figure in St. Paul's as the model of his own. Some of the memorable scenes and votaries of the drama are directly associated with the sculptor's art,--as, for instance, the last act of "Don Giovanni," wherein the expressive music of Mozart breathes a pleasing terror in connection with the spectral nod of the marble horseman; and Shakspeare has availed himself of this art, with beautiful wisdom, in that melting scene where remorseful love pleads with the motionless heroine of the "Winter's Tale,"--

"Her natural posture!

Chide me, dear stone, that I may say, indeed,
Thou art Hermione; or rather, thou art she
In thy not chiding: for she was as tender
As infancy and grace."

Garrick imitated to the life, in "Abel Druggier," a vacant stare peculiar to Nollekens, the sculptor; and Colley Cibber's father was a devotee of the chisel and adorned Chatsworth with free-stone Sea-Nymphs.

Crawford's interest in portrait-busts was secondary, owing to his inventive ardor; the study he bestowed upon the lineaments of Washington, however, gave a zest and a special insight to his endeavor to represent his head in marble, and, accordingly, this specimen of his ability, which arrived in this country after his decease, is remarkable for its expressive, original, and finished character. For ourselves, in view of the great historical value, comparative authenticity, and possible significance and beauty of this department of sculpture, it has a peculiar interest and charm.

The most distinct idea we have of the Roman emperors, even in regard to their individual characters, is derived from their busts at the Vatican and elsewhere. The benignity of Trajan, the animal development of Nero, and the classic rigor of young Augustus are best apprehended through these memorable effigies which Time has spared and Art transmitted. And a similar permanence and distinctness of impression associate most of our illustrious moderns with their sculptured features: the ironical grimace of Voltaire is perpetuated by Houdon's bust; the sympathetic intellectuality of Schiller by Dannecker's; Handel's countenance is familiar through the elaborate chisel of Roubillac; Nollekens moulded Sterne's delicate and unimpassioned but keen physiognomy, and Chantrey the lofty cranium of Scott. Who has not blessed the rude but conscientious artist who carved the head of Shakspeare preserved at Stratford? How quaintly appropriate to the old house in Nuremberg is Albert Duerer's bust over the door! Our best knowledge of Alexander Hamilton's aspect is obtained from the expressive marble head of him by that ardent republican sculptor, Ceracchi. It was appropriate for Mrs. Darnley, the daughter of a gallant field-marshal, to portray in marble, as heroic idols, Fox, Nelson, and Napoleon. We were never more convinced of the intrinsic grace and solemnity of this form of "counterfeit presentment" than when exploring the Bacioechi _palazzo_ at Bologna. In the centre of a circular room, lighted from above, and draped as well as carpeted with purple, stood on a simple pedestal the bust of Napoleon's sister, thus enshrined after death by her husband. The profound stillness, the relief of this isolated head against a mass of dark tints, and its consequent emphatic individuality, made the sequestered chamber seem a holy place, where communion with the departed, so spiritually represented by the exquisite image, appeared not only natural, but inevitable. Our countryman, Powers, has eminently illustrated the possible excellence of this branch of Art. In mathematical correctness of detail, unrivalled finish of texture, and with these, in many cases, the highest characterization, busts from his hand have an absolute artistic value, independent of likeness, like a portrait by Vandyck or Titian. When the subject is favorable, his achievements in this regard are memorable, and fill the eye and mind with ideas of beauty and meaning undreamed of by those who consider marble portraits as wholly imitative and mechanical. Was there ever a human face which so completely reflected inward experience and individual genius as the bust which haunts us throughout Italy, broods over the monument in Santa Croce, gazes pensively from library niche, seems to awe the more radiant images of boudoir and gallery, and sternly looks melancholy reproach from the Ravenna tomb?

"The lips, as Cumae's cavern close,
The cheeks, with fast and sorrow thin,
The rigid front, almost morose,
But for the patient hope within,
Declare a life whose course hath been
Unsullied still, though still severe,
Which, through the wavering days of sin,
Kept itself icy chaste and clear."

National characters become, as it were, household gods through the sculptor's portrait; the duplicates of Canova's head of Napoleon seem as appropriate in the _salons_ and shops of France, as the heads of Washington and Franklin in America, or the antique images of Scipio Africanus and Ceres in Sicily, and Wellington and Byron in London.

There is no phase of modern life so legitimate in its enjoyment and so pleasing to contemplate as the life of the true artist. Endowed with a faculty and inspired by a love for creative beauty, work is to him at once a high vocation and a generous instinct. Imagine the peace and the progress of those years at Rome when Crawford toiled day after day in his studio,--at first without encouragement and for bread, then in a more confident spirit and with some definite triumph, and at last crowned with domestic happiness and artistic renown,--his mind filled with ideal tasks more and more grand in their scope, and the coming years devoted in prospect to the realization of his noblest aspirations. From early morning to twilight, with rare and brief interruptions, he thus designed, modelled, chiselled, superintended, every day adding something permanent to his trophies. This self-consecration was entire, and in his view indispensable. Few and simple were the recreative interludes: a reunion of brother-artists or fellow-countrymen and their families,--an occasional journey, almost invariably with a professional intent,--a summer holiday or a winter festival; but, methodical in pastime as in work, his family and his books were his cherished resources. Often so weary at night that he returned home only to recline on a couch, caress his children, or refresh his mind with some agreeable volume provided by his vigilant companion,--the best energies of his mind and the freshest hours of life were absolutely given to Art. This is the great lesson of his career: not by spasmodic effort, or dalliance with moods, or fitful resolution, did he accomplish so much; but by earnestness of purpose, consistency of aim, heroic decision of character. There is nothing less vague, less casual in human experience, than true artist-life. Rome is the shrine of many a dreamer, the haunt of countless inefficient enthusiasts. But there, as elsewhere, will must intensify thought, action control imagination, or both are fruitless. Those melancholy ruins, those grand temples of religion, the immortal forms and hues that glorify palace and chapel, square, mausoleum, and Vatican, the dreamy murmur of fountains, the aroma of violets and pine-trees, the pensive relics of imperial sway, the sublime desolation of the Campagna, the mystery of Nature and Art, when both are hallowed by time, the social zest of an original brotherhood like the artists, the freedom and loveliness, the ravishment of spring and the soft radiance of sunset, all that there captivates soul and sense, must be resisted as well as enjoyed;--self-control, self-respect, self-dedication are as needful as susceptibility, or these peerless local charms will only enchant to betray the artist. Crawford carried to Rome the ardor of an Irish temperament and the vigor of an American character. Hundreds have passed through a like ordeal of privation, ungenial because conventional work, and slow approach to the goal of

recognized power and remunerated sacrifice; but few have emerged from the shadow to the sunshine, by such manly steps and patient, cheerful trust. It was not the voice of complaint that first attracted towards him intelligent sympathy,--it was brave achievement; and from the day when a remittance from Boston enabled him to put his Orpheus in marble, to the day when, attended by his devoted sister, he paid the last visit to his crowded studio, and looked, with quivering eyelids, but firm heart, on the silent but eloquent offspring of his brain and hand, the Artist in him was coincident with the Man,--clear, unswerving, productive, the sphere extending, the significance multiplying, and the mastery becoming more and more complete through resolute practice, vivid intuition, and candid search for truth.

In the fifteenth century, and earlier, the lives of artists were adventurous; political relations gave scope to incident; and Michel Angelo, Salvator Rosa, and Benvenuto Cellini furnish almost as many anecdotes as memorials of genius. In modern times, however, vicissitude has chiefly diversified the uniform and tranquil existence of the artist; his struggles with fortune, and not his relations to public events, have given external interest to his biography. It is the mental rather than the outward life which is fraught with significance to the painter and sculptor; consciousness more than experience affords salient points in his career. How the executive are trained to embody the creative powers, through what struggles dexterity is attained, and by what reflection and earnest musing and observant patience and blest intuitions original achievements glimmer upon the fancy, grow mature by thought, correct through the study of Nature, and are finally realized in action,-- these and such as these inward revelations constitute the actual life of the artist. The mere events of Crawford's existence are neither marvellous nor varied; his early love of imitative pastime, his fixed purpose, his resort to stone-cutting as the nearest available expedient for the gratification of that instinct to copy and create form which so decidedly marks an aptitude for sculpture, his visit to Rome, the self-denial and the lonely toil of his novitiate, his rapid advancement in both knowledge and skill, and his gradual recognition as a man of original mind and wise enthusiasm are but the normal characteristics of his fraternity. Circumstances, however, give a singular prominence and pathos to these usual facts of artist-life. When Crawford began his professional career, sculpture, as an American pursuit, was almost as rare as painting at the time of West's advent in Rome; to excel therein was a national distinction, having a freshness and personal interest such as the votaries of older countries did not share; as the American representative of his art at Rome, even in the eyes of his comrades, and especially in the estimation of his countrymen, he long occupied an isolated position. The qualities of the man,--his patient industry,--the new and unexpected superiority in different branches of his art, so constantly exhibited,--the loyal, generous, and frank spirit of his domestic and social life,--the freedom, the faith, and the assiduity that endeared him to so large and distinguished a circle, were individual claims often noted by

foreigners and natives in the Eternal City as honorable to his country. It was remembered there, when he died, that the hand now cold had warmly grasped in welcome his compatriots, shouldered a musket as one of the republican guard, and been extended with sympathy and aid to his less prosperous brothers. At the meeting of fellow-artists, convened to pay a tribute to his memory, every nation of Europe was represented, and the most illustrious of living English sculptors was the first to propose a substantial memorial to his name. What his nativity and his character thus so eminently contributed to signalize, the offspring of his genius, the manner of his death, solemnly confirmed. By no sudden fever, such as insidiously steals from the Roman marshes and poisons the blood of its victims,--by no violent epidemic, like those which have again and again devastated the cities of Europe,--by no illusive decline, whereby vital power is sapped unconsciously and with mild gradations, and which, in that soft clime, has peopled with the dust of strangers the cemetery which the pyramid of Cestius overshadows and the heart of Shelley consecrates,--by none of these familiar gates of death did Crawford pass on; but, in the meridian of his powers and his fame, in the climax of his artistic career, in the noontide of his most genial activity, a corrosive tumor on the inner side of the orbit of the eye encroached month by month, week by week, hour by hour, upon the sources of life. Medical skill freed the brain from its deadly pressure, but could not divert its organic affinity. The mind's integrity was thus preserved intact; consciousness and self-possession lent their dignity to waning strength; but the alert muscles were relaxed; the busy hands folded in prayer; what Michel Angelo uttered in his eighty-sixth Crawford was called upon to echo in his forty-fifth year:--

"Wellnigh the voyage now is overpast,
And my frail bark, through troubled seas and rude,
Draws nigh that common haven where at last,
Of every action, be it evil or good,
Must due account be rendered. Well I know
How vain will then appear that favored art,
Sole idol long, and monarch of my heart;
For all is vain that man desires below."

The cheerful voice was often hushed by pain; but conjugal and sisterly love kept vigil, a long, a bitter year, by that couch of suffering in the heart of multitudinous Paris and London; hundreds of sympathizing friends, in both hemispheres, listened and prayed and hoped through a dreary twelvemonth. With the ripe autumn closed the quiet struggle; and "in the bleak December" the mortal remains were followed from the temple where his youth worshipped, to the snow-clad knoll at Greenwood; garlands and tears, the ritual and the requiem, eulogy and elegy, consecrated the final scene. By a singular coincidence, the news of his decease reached the United States simultaneously with the arrival of the ship in James River with the colossal bronze statue of Washington, his crowning achievement.

One would imagine, from the eagerness and intensity exhibited by

Crawford, that he anticipated a brief career. Work seemed as essential to his comfort as rest is to less determined natures. He was a thorough believer in the moral necessity of absolute allegiance to his sphere; and differed from his brother-artists chiefly in the decisive manner in which he kept aloof from extrinsic and incidental influences. If Art ever made labor delectable, it was so with him. He seemed to go through with the ordinary processes of life with but a half-consciousness thereof,--save where his personal affections were concerned. One of the first works for which he expressed a sympathetic admiration was Thorwaldsen's "Triumph of Alexander,"--one of the most elaborate and suggestive of modern friezes. He early contemplated an entire series of illustrations of Ovid. He alternated, with infinite relish, between the extreme phases of his art,--a delicate Peri and a majestic Colossus, an extensive array of basso rilievo figures, a sublime ideal of manhood and an exquisite image of infancy. His alacrity of temper was co-equal with his steadiness of purpose; and the cheerfulness of an active mind, sanguine temperament, and great nervous energy did not abandon him, even in the state of forced passivity so intolerable to such habitude; for hilarious words and, once or twice, the old ringing laugh startled the fond watchers of his declining hours. The events of his life are but a few expressive outlines; his works embody his most real experience; and the thoughts and feelings, the observation and the sentiment, not therein moulded or sketched, happily found adequate record in the ample and ingenuous letters he wrote to his beloved sister, from the time of his first arrival in Europe to that of his last arrival in America,--embracing a period of twenty-two years. Each work he conceived and executed, each process of study, the impressions he gained and the convictions at which he arrived in relation to ancient and modern art,--each journey, achievement, plan, opinion,--what he saw, and imagined, and hoped, and did,--was frankly and fondly noted; and the time may come when these epistles, inspired by love and dictated by intelligent sympathy and insight, will be compiled into a priceless memorial of artist-life.

ASIRVADAM THE BRAHMIN.

Who put together the machinery of the great Indian revolt, and set it going? Who stirred up the sleeping tiger in the Sepoy's heart, and struck Christendom aghast with the dire devilries of Meerut and Cawnpore?

Asirvadam the Brahmin!

Asirvadam is nimble with mace or cue; at the billiard-table, it is hinted, he can distinguish a kiss from a carom; at the sideboard (and here, if I were Mr. Charles Reade, I would whisper, in small type) he confounds not cocktails with cobblers; when, being in trade, he would sell you saltpetre, he tries you with flax-seed; when he would buy indigo, he offers you indigo at a sacrifice. Yet, in

Asirvadam, if any quality is more noticeable than the sleek respectability of the Baboo, it is the jealous orthodoxy of the Brahmin. If he knows in what presence to step out of his slippers, and when to pick them up again with his toes, in jaunty dandyisms of etiquette, he also makes the most of his insolent order and its patent of privilege, and wears the rue of his triple cord with a demure and dignified difference. High, low, or jack, it is always "the game" with him; and the game is--Asirvadam the Brahmin,--free tricks and Brahmins' rights,--Asirvadam for his caste, and everything for Asirvadam.

The natural history of our astute and accomplished friend is worth a page or two. And first, as to his color. Asirvadam comes from the northern provinces, and calls the snow-turbaned Himalayas cousin; consequently his complexion is the brightest among Brahmins. By some who are uninitiated in the chemical mysteries of our metropolitan milk-trade, it has been likened to chocolate and cream, with plenty of cream; but the comparison depends, for the idea it conveys, so much on the taste of the ethnological inquirer, as to the proportion of cream, and still so much more, as in the case of Mr. Weller's weal pies, on the reputation of "the lady as makes it," that it will hardly serve the requirements of a severe scientific statement. Copper-color has an excess of red, and sepia is too brown; the tarry tawiness of an old boatswain's hand is nearer the mark, but even that is less among man-of-war's men than in the merchant-service, and is least in the revenue marine; it varies, also, with the habits of the individual, and the nature of his employment for the time being. The flipper of your legitimate shiver-my-timbery old salt, whose most amiable office is piping all hands to witness punishment, has long since acquired the hue of a seven-years' meerschaum; while the dandy cockswain of a forty-gun frigate lying off the navy-yard, who brings the third cutter ship-shapely alongside with a pretty girl in the stern-sheets, lends her--the pretty girl--a hand at the gangway, that has been softened by fastidious applications of solvent slush to the tint of a long envelope "on public service." "Law sheep," when we come to the binding of books, is too sallow for this simile; a little volume of "Familiar Quotations," in limp calf, (Bartlett, Cambridge, 1855,) might answer,--if the cover of the January number of the "Atlantic Monthly" were not exactly the thing.

Simplicity, convenience, decorum, and picturesqueness distinguish the costume of Asirvadam the Brahmin. Three yards of yard-wide fine cotton cloth envelope his loins, in such a manner, that, while one end hangs in graceful folds in front, the other falls in a fine distraction behind. Over this, a robe of muslin, or silk, or pina cloth--the latter in peculiar favor, by reason of its superior purity, for high-caste wear--covers his neck, breast, and arms, and descends nearly to his ankles. Asirvadam borrowed this garment from the Mussulman; but he fastens it on the left side, which the follower of the Prophet never does, and surmounts it with an ample and elegant waistband, beside the broad Romanesque mantle that he tosses over his shoulder with such a senatorial air. His turban, also, is an innovation,--not proper to the Brahmin,--pure and simple, but, like

the robe, adopted from the Moorish wardrobe, for a more imposing appearance in Sahib society. It is formed of a very narrow strip, fifteen or twenty yards long, of fine stuff, moulded to the orthodox shape and size by wrapping it, while wet, on a wooden block; having been hardened in the sun, it is worn like a hat. As for his feet, Asirvadam, uncompromising in externals, disdains to pollute them with the touch of leather. Shameless fellows, Brahmins though they be, of the sect of Vishnu, go about, without a blush, in thonged sandals, made of abominable skins; but Asirvadam, strict as a Gooroo when the eyes of his caste are on him, is immaculate in wooden clogs.

In ornaments, his taste, though somewhat grotesque, is by no means lavish. A sort of stud or button, composed of a solitary ruby, in the upper rim of the cartilage of either ear,--a chain of gold, curiously wrought, and intertwined with a string of small pearls, around his neck,--a massive bangle of plain gold on his arm,--a richly jewelled ring on his thumb, and others, broad and shield-like, on his toes,--complete his outfit in these vanities.

As often as Asirvadam honors us with his morning visit of business or ceremony, a slight yellow line, drawn horizontally between his eyebrows, with a paste composed of ground sandal-wood, denotes that he has purified himself externally and internally, by bathing and prayers. To omit this, even by the most unavoidable chance to appear in public without it, were to incur a grave public scandal; only excepting the reason of mourning, when, by an expressive Oriental figure, the absence of the caste-mark is accepted for the token of a profound and absorbing sorrow, which takes no thought even for the customary forms of decency. The disciple of Siva crossbars his forehead with ashes of cow-dung or ashes of the dead; the sectary of Vishnu adorns his with a sort of trident, composed of a central perpendicular line in red, and two oblique lines, white or yellow. But the true Brahmin knows no Siva or Vishnu, no sectarian distinctions or preferences; Indra has set no seal upon his brow, nor Krishna, nor Devendra. For, ignoring celestial personalities, it is the Trimurti that he grandly adores,--Creation, Preservation, Destruction triune,--one body with three heads; and the right line alone, or pottu, the mystic circle, describes the sublime simplicity of his soul's aspiration.

When Asirvadam was but seven years old, he was invested with the triple cord, by a grotesque, and in most respects absurd, extravagant, and expensive ceremony, called the Upanayana, or Introduction to the Sciences, because none but Brahmins are freely admitted to their mysteries. This triple cord consists of three thick strands of cotton, each composed of several finer threads; these three strands, representing Brahma, Vishnu, and Siva, are not twisted together, but hang separately, from the left shoulder to the right hip. The preparation of so sacred a badge is entrusted to none but the purest hands, and the process is attended with many imposing ceremonies. Only Brahmins may gather the fresh cotton; only Brahmins may card and spin and twist it; and its investiture is a matter of so great cost, that the poorer brothers must have recourse to contributions

from the pious of their caste, to defray the exorbitant charges of priests and masters of ceremonies.

It is a noticeable fact in the natural history of the always insolent Asirvadam, that, unlike Shatriya, the warrior, Vaishya, the cultivator, or Soodra, the laborer, he is not born into the full enjoyment of his honors, but, on the contrary, is scarcely of more consideration than a Pariah, until by the Upanayana he has been admitted to his birthright. Yet, once decorated with the ennobling badge of his order, our friend became from that moment something superior, something exclusive, something supercilious, arrogant, exacting,--Asirvadam, the high Brahmin,--a creature of wide strides without awkwardness, towering airs without bombast, Sanscrit quotations without pedantry, florid phraseology without hyperbole, allegorical illustrations and proverbial points without sententiousness, fanciful flights without affectation, and formal strains of compliment without offensive adulation.

When Asirvadam meets Asirvadam in the way, compliments pass: each touches his forehead with his right hand, and murmurs twice the auspicious name of Rama. But the passing Vaishya or Soodra elevates reverently his joined palms above his head, and, stepping out of his slippers, salutes the descendant of the Seven Holy Penitents with _namaskaram_, the pious obeisance. _Andam_ arya_! "Hail, exalted Lord!" he cries; and the exalted lord, extending the pure lilies of his hands lordliwise, as one who condescends to accept an humble offering, mutters the mysterious benediction which only Gooroos and high Brahmins may bestow,--_Asirvadam_!

The low-caste slave who may be admitted to the distinguished presence of our friend, to implore indulgence, or to supplicate pardon for an offence, must thrice touch the ground, or the honored feet, with both his hands, which immediately he lays upon his forehead; and there are occasions of peculiar humiliation which require the profound prostration of the _sashtangam_, or abasement of the eight members, wherein the suppliant extends himself face downward on the earth, with palms joined above his head.

If Asirvadam--having concluded a visit in which he has deferentially reminded me of the peculiar privilege I enjoy in being admitted to social converse with so select a being--is about to withdraw the light of his presence, he retires backward, with many humbly gracious salaams. If, on the other hand, I have had the honor to be his distinguished guest at his garden-house, and am in the act of taking my leave, he patronizes me to the gate with elaborate obsequiousness, that would be tedious, if it were not so graceful, so comfortable, so gallantly vainglorious. He shows the way by following, and spares me the indignity of seeing his back by never taking his eyes from mine. He knows what is due to his accomplished friend, the Sahib, who is learned in the four Yankee Vedas; as to what is due to Asirvadam the Brahmin, no man knoweth the beginning or the end of that.

When Asirvadam crosses my threshold, he leaves his slippers at the door. I am flattered by the act into a self-appreciative complacency, until I discover that he thereby simply puts me on a level with his cow. When he converses with me, he keeps respectful distance, and gracefully averts from me the annoyance of his breath by holding his hand before his mouth. I inwardly applaud his refined breeding, forgetting that I am a Pariah of Pariahs, whose soul, if I have one, the incense of his holy lungs might save alive,--forgetting that he is one to whose very footprint the Soodra salaams, alighting from his palanquin,--to whose shadow poor Chakili, the cobbler, abandons the broad highway,--the feared of gods, hated of giants, mistrusted of men, and adored of himself,--Asirvadam the Brahmin.

"They, the Brahmin Asirvadam, to him, Phaldasana, who is obedient, who is true, who has every faithful quality, who knows how to serve with cheerfulness, to submit in silence, who by the excellent services he renders the Brahmins has become like unto the stone Chintamani, the bringer of good, who by the number and variety and acceptableness of his gifts shall attain, without further trials, to the paradise of Indra: _Asirvadam_!"

"The year Vikarj, the tenth of the month Phalguna: we are at Benares in good health; bring us word of thine. It shall be thy privilege to make sashtangam at the feet--which are the true lilies of Nilufar--of us the Lord Brahmin, who are endowed with all the virtues and all the sciences, who are great as Mount Meru, to whom belongs illustrious knowledge of the four Vedas, the splendor of whose beneficence is as the noon-flood of the sun, who are renowned throughout the fourteen worlds, whom the fourteen worlds admire.

"Having received with both hands that which we have abased ourself by writing to thee, and having kissed it and set it on thy head, thou wilt read with profound attention and execute with grateful alacrity the orders it contains, without swerving from the strict letter of them, the breadth of a grain of sesamum. Having hastened to us, as thou art blessed in being bidden, thou shalt wait in our presence, keeping thy distance, thy hands joined, thy mouth closed, thine eyes cast down,--thou who art as though thou wert not,--until we shall vouchsafe to perceive thee. And when thou hast obtained our leave, then, and not sooner, shalt thou make sashtangam at our blessed feet, which are the pure flowers of Nilufar, and with many lowly kisses shalt lay down before them thy unworthy offering,--ten rupees, as thou knowest,--more, if thou art wise,--less, if thou darest.

"This is all we have to say to thee. _Asirvadam_!"

In the epistolary style of Asirvadam the Brahmin we are at a loss which to admire most,--the flowers or the force, the modesty or the magnificence.

Among the cloistral cells of the women's quarter, which surround the inner court of Asirvadam's domestic establishment, is a dark and

narrow chamber which is the domain of woman's rights. It is called "the Room of Anger," because, when the wife of the bosom has been tempted by inveigling box-wallahs with a love of a pink coortee, or a pair of chased bangles, "such darlings, and so cheap," and has conceived a longing for the same, her way is, without a word beforehand, to go shut herself up in the Room of Anger, and pout and sulk till she gets them; and seeing that the wife of the bosom is also the pure concocter of the Brahminical curry and server of the Brahminical rice, that she is the goddess of the sacred kitchen and high-priestess of pots and pans, it is easy to see that her success is certain. Poor little brown fool! that twelve feet square of curious custom is all, of the world-wide realm of beauty and caprice, that she can call her own.

When the enamored young Asirvadam brought to her father's gate the lover's presents,--the ear-rings and the bangles, the veil and the loongee, the attar and the betel and the sandal, the flowers and the fruits,--the lizard that chirped the happy omen for her betrothal lied. When she sat by his side at the wedding-feast, and partook of his rice, prettily picking from the same leaf, ah! then she did not eat,--she dreamed; but ever since that time, waiting for his leavings, nor daring to approach the board till he has retired to his pipe, she does not dream,--she feeds.

Around her neck a strange ornament of gold, having engraved upon it the likeness of Lakshmee, is suspended by a consecrated string of one hundred and eight threads of extreme fineness, dyed yellow with saffron. This is the Tahli, the wife's badge,--"Asirvadam the Brahmin, his chattel." They brought it to her on a silver salver garnished with flowers, she sitting with her betrothed on a great cushion; and ten Brahmins, holding around the happy pair a screen of silk, invoked for them the favor of the three divine couples,--Brahma with Sarawastee, Vishnu with Lakshmee, Siva with Paravatee. Then they offered incense, to the Tahli, and a sacrifice of fire, and they blessed it with many mantras, or holy texts; and as the bride turned her to the east, and fixed her inmost thought on the "Great Mountain of the North," Asirvadam the Brahmin clasped his collar on her neck, never to be loosened till he, dying, shall leave her to be burned, or spurned.

No man, when he meets Asirvadam the Brahmin, presumes to ask, "How is the little brown fool today?" No man, when he visits him, ventures to inquire if she is at home; it is not the etiquette. Should the little brown fool, having a mind of her own, and being resolved not to endure this any longer, suddenly make Asirvadam ridiculous some day, the etiquette is to hush it up among their friends.

As Raja, the warrior, sprang from the right arm of Brahma, and Vaishya, the cultivator, from his belly, and Soodra, the laborer, from his feet,--so Asirvadam the Brahmin was conceived in the head and brought forth from the mouth of the Creator; and he is above the others by so much as the head is above arms, belly, and feet; he is

wiser than the others, inasmuch as he has lain among the thoughts of the god, has played with his inventions, and made excursions through the universe with his speech. Therefore, if it be true, as some say, that Asirvadam is an ant-hill of lies, he is also a snake's-nest of wisdom, and a beehive of ingenuity. Let him be respected, for his rights are plain.

It is his right to be taught the Vedas and the mantras, all the tongues of India, and the sciences; to marry a child-wife, no matter how old he may be,--or a score of wives, if he be a Kooleen Brahmin, so that he may drive a lively business in the way of dowries; to peruse the books of magic, and perform the awful sacrifice of the Yajna; to receive presents without limit, levy taxes without law, and beg with insolence.

It is his duty to study diligently; to conform rigorously to the rules of his caste; to honor and obey his superiors without question or hesitation; to insult his inferiors, for the magnifying of his office; to get him a wife without loss of time, and a male child by all means. During his religious minority he is expected to bathe and sacrifice twice a day, to abstain from adorning his forehead or his breast with sandal, to wear no flowers in his hair, to chew no betel, to regard himself in no mirrors.

Under Hindoo law, which is his own law, Asirvadam the Brahmin pays no taxes, tolls, or duties; corporal punishment can in no case be inflicted upon him; if he is detected in defalcation or the taking of bribes, partial restitution is the worst penalty that can befall him. "For the belly," he says, "one will play many tricks." To smite his cheek with your leathern glove, or to kick him with your shoe, is an outrage at which the gods rave; to kill him would draw down a monstrous calamity upon the world. If he break faith with you, it is as nothing; if you fail him in the least promise, you take your portion with Karta, the Fox, as the good Abbe Dubois relates.

"Karta, Karta!" screamed an Ape, one day, when he saw a fox feeding on a rotten carcass, "thou must, in a former life, have committed some dreadful crime, to be doomed to a new state in which thou feedest on such garbage."

"Alas!" replied the Fox, "I am not punished more severely than I deserve. I was once a man, and then I promised something to a Brahmin, which I never gave him. That is the true cause of my being regenerated in this shape. Some good works, which I did have, won for me the indulgence of remembering what I was in my former state, and the cause for which I have been degraded into this."

Asirvadam has choice of a hundred callings, as various in dignity and profit as they are numerous. Under native rule he makes a good cooly, because the officers of the revenue are forbidden to search a Brahmin's baggage, or anything that he carries. He is an expeditious messenger, for no man may stop him; and he can travel cheaply for whom there is free entertainment on every road. "For the belly one

will play many tricks"; and Asirvadam, in financial straits, may teach dancing to nautch-girls; or he may play the mountebank or the conjurer, and with a stock of mantras and charms proceed to the curing of murrain in cattle, pip in chickens, and short-windedness in old women,--at the same time telling fortunes, calculating nativities, finding lost treasure, advising as to journeys and speculations, and crossing out crosses in love for any pretty dear who will cross the poor Brahmin's palm with a rupee. He may engage in commercial pursuits; and in that case, his bulling and bearing at the opium-sales will put Wall Street to the blush. He may turn his attention to the healing art; and allopathically, homoeopathically, hydropathically, electropathically, or by any other path, run a muck through many heathen hospitals. The field of politics is full of charms for him, the church invites his taste and talents, and the army tempts him with opportunities for intrigue; but whether in the shape of Machiavelisms, miracles, or mutinies, he is forever making mischief. Whether as messenger, dancing-master, conjurer, fortune-teller, speculator, mountebank, politician, priest, or Sepoy, he is ever the same Asirvadam the Brahmin,--sleekest of lackeys, most servile of sycophants, expertest of tricksters, smoothest of hypocrites, coolest of liars, most insolent of beggars, most versatile of adventurers, most inventive of charlatans, most restless of schemers, most insidious of jesuits, most treacherous of confidants, falsest of friends, hardest of masters, most arrogant of patrons, cruelest of tyrants, most patient of haters, most insatiable of avengers, most gluttonous of ravishers, most infernal of devils,--pleasantest of fellows.

Superlatively dainty as to his fopperies of orthodoxy, Asirvadam is continually dying of Pariah roses in aromatic pains of caste. If in his goings and comings one of the "lilies of Nilufar" should chance to stumble upon a bit of bone or rag, a fragment of a dish, or a leaf from which some one has eaten,--should his sacred raiment be polluted by the touch of a dog or a Pariah,--he is ready to faint, and only a bath can revive him. He may not touch his sandals with his hand, nor repose in a strange seat, but is provided with a mat, a carpet, or an antelope's skin, to serve him for a cushion in the houses of his friends. With a kid glove you may put his respectability in peril, and with your patent-leather pumps affright his soul within him. To him a pocket-handkerchief is a sore offence, and a tooth-pick monstrous. All the Vedas could not save the Giaour who "chews"; nor burnt brandy, though the Seven Penitents distilled it, purify the mouth that a tooth-brush has polluted. Beware how you offer him a wafered letter; and when you present him with a copy of your travels, let it be bound in cloth.

He has the Mantalini idiosyncrasy as to dem'd unpleasant bodies; and when he hears that his mother is dead, he straight-way jumps into a bath with his clothes on. Many mantras and much holy-water, together with incense of sandal-wood, and other perfumery, regardless of expense, can alone relieve his premises of the deadness of his wife.

For a Soodra even to look upon the earthen vessels wherein his rice

is boiled implies the necessity of a summary smash of the infected crockery; and his kitchen is his holy of holies. When he eats, the company keep silence; and when he is full, they return fervent thanks to the gods who have conducted him safely through a complexity of dangers;--a grain of rice, falling from his lips, might have poisoned his dinner; a stain on his plantain-leaf might have turned his cake to stone. His left hand, condemned to vulgar and impolite offices, is not admitted to the honor of assisting at his repasts; to the right alone, consecrated by exemption from indecorous duties, belongs the distinction of conducting his happy grub to the heaven of his mouth. When he would quench his thirst, he disdains to apply the earth-born beaker to his lips, but lets the water fall into his solemn swallow from on high,--a pleasant feat to see, and one which, like a whirling dervish, diverts you by its agility, while it impresses you by its devotion.

It is easy to perceive, that, if our friend Asirvadam were not one of the "Young Bengal" lights who do not fash themselves with trifles, his orthodox sensibilities would be subjected to so many and gross affronts from the indiscriminate contacts of a mixed community, that he would shortly be compelled to take refuge in one of those Arcadias of the triple cord, called _Agramamas_, where pure Brahmins are met in all the exclusiveness of high caste, and where the more a man rubs against his neighbor the more he is sanctified. True, the Soodras have an irreverent saying, "An entire Brahmin at the Agramama, half a Brahmin when seen at a distance, and a Soodra when out of sight"; but then the Soodras, as everybody knows, are saucy, satirical rogues, and incorrigible jokers.

There was once a foolish Brahmin, to whom a rich and charitable merchant presented two pieces of cloth, the finest that had ever been seen in the Agramama. He showed them to the other Brahmins, who all congratulated him on so fortunate an acquisition; they told him it was the reward of some deed that he had done in a previous life. Before putting them on, he washed them, according to custom, in order to purify them from the pollution of the weaver's touch, and hung them up to dry, with the ends fastened to two branches of a tree. Presently a dog, happening to pass that way, ran under them, and the Brahmin could not decide whether the unclean beast was tall enough to touch the cloth, or not. He questioned his children, who were present; but they were not quite certain. How, then, was he to settle the all-important point? Ingenious Brahmin! an idea struck him. Getting down on all fours, so as to be of the same height as the dog, he crawled under the precious cloths.

"Did I touch it?"

"No!" cried all the children; and his soul was filled with joy.

But the next moment the terrible conviction took possession of his mind, that the dog had a turned-up tail; and that, if, in passing under the cloths, he had elevated and wagged it, their defilement must have been consummated. Ready-witted Brahmin! another idea. He

called the cleverest of his children, and bade it affix to his breech-cloth a plantain-leaf, dog's-tail-wise, and waggishly. Then resuming his all-fours-ness, he passed a second time under the cloth, and conscientiously, and anxiously, wagged.

"A touch! a touch!" cried all the children, and the Brahmin groaned, for he knew that his beautiful raiment was ruined. Thrice he wagged, and thrice the children cried, "A touch! a touch!"

So the strict Brahmin leaped to his feet, in a frightful rage, and, tearing the precious cloth from the tree, rent it in a hundred shreds, while he cursed the abominable dog and the master that owned him. And the children admired and were edified, and they whispered among themselves,--

"Now, surely, it behooveth us to take heed to our ways, for our father is particular."

Moral: And the Brahmin winked.

The Samaradana is an institution for which our friend Asirvadam entertains peculiar veneration. This is simply an abundant feast of Brahminical good things, to which the "fat and greasy citizens" of the caste are bidden by some zealous or manoeuvring Soodra,--on occasion of the dedication of a temple, perhaps, or in a season of drought, or when a malign constellation is to be averted, or to celebrate the birth or marriage of some exalted personage. From all the country round about, the Brahmins flock to the feasting, singing Sanscrit hymns and obscene songs, and shouting, _Hara! hara! Govinda!_ The low fellow who has the honor to entertain so select a company is not suffered to seat himself in the midst of his guests, much less to partake of the viands he has been permitted to provide; but in consideration of his "deed of exalted merit," and his expensive appreciation of the beauties and advantages of high-caste society, as expressed in all the delicacies of the season, he may come, when the last course has been discussed, and, prostrating himself in the sashtangam posture, receive the unanimous asirvadam of the company.

If, in taking leave of his august guests, he should also signify his sense of the honor they have done him, by presenting each with a piece of cloth or a sum of money, he is assured that he is altogether superior in mind and person to the gods, and that, if he is wise, he will not neglect to remind his friends of his munificence by another exhibition of it within a reasonable time.

In the creed of Asirvadam the Brahmin, the drinker of strong drink is a Pariah, and the eater of cow's flesh is damned already. If, then, he can tell a cocktail from a cobbler, and scientifically discriminate between a julep and a gin-sling, it must be because the Vedas are unclasped to him; for in the Vedas all things are taught. It is of Asirvadam's father that the story is told, how, when a fire broke out in his house once, and all the pious neighbors ran to rescue his effects, the first articles saved were a tub of pickled

pork and a jar of arrack. But this, also, no doubt, is the malicious invention of some satirical rogue of a Soodra. Asirvadam, as is well known, recoils with horror from the abomination of eating aught that has once lived and moved and had a being; but if, remembering that, you should seek to fill his soul with consternation by inviting him to inspect a fig under a microscope, he would quietly advise you to break your nasty glass and "go it blind."

But there is one custom which Asirvadam the Brahmin observes in common with the Pariah, and that is the solemn ceremonial of Death. When his time comes, he dies, is burned, and presently forgotten; and it is a consolation for his ever having been at all, that some one is sure to be the richer and happier and freer for his ceasing to be. True, he may assume new earthly conditions, may pass into other vexatious shapes of life; but the change must ever be for the better in respect of the interests of those who have suffered by the powers and capabilities of the shape which he relinquishes. He may become a snake; but then he is easily scotched, or fooled out of his fangs with a cunning charmer's tom-tom;--he may pass into the foul feathers of an indiscriminately gluttonous adjutant-bird; but some day a bone will choke him;--his soul may creep under the mangy skin of a Pariah dog, and be kicked out of compounds by scullions; he may be condemned to the abominable offices of a crow at the burning ghauts, a jackal by the wells of Thuggee, or a rat in sewers; but he can never again be such a nuisance, such a sore offence to the minds and hearts of men, as when he was Asirvadam the Brahmin.

Fortunate indeed will he be, if the low, deep curses of all whom he has oppressed, betrayed, insulted, shall not have availed against him in his last hour. "Mayest thou never have a friend to lay thee on the ground when thou diest!"--no imprecation so fierce, so fell, as that; even Asirvadam the Brahmin abates his cruel greed, when some poor Soodra client, bled of his last anna, thinks of his sick wife, and the darling cow that must be sold at last, and grows desperate. "Mayest thou have no wife to sprinkle the spot with cow-dung where thy corpse shall lie, and to spread the unspotted cloth; nor any cow, her horns tipped with rings of brass, and her neck garlanded with flowers, to lead thee, holding by her tail, through pleasant paths to the land of Yama! May no Purohita come to strew thy bier with the holy herb, nor any next of kin be near to whisper the last mantra!"

Horrid Soodra! But though thy words make the soul of Asirvadam shiver, they are but the voice of a dog, after all, and nothing can come of them. Asirvadam the Brahmin has raised up lusty boys to himself, as every good Brahmin should; and they shall bind together his thumbs and his great toes, and lay him on the ground, when his hour is come,--lest the bed or the mat cling to his ghost, whithersoever it go, and torment it eternally. His wife shall spread beneath him a cloth that the hands of Koolen Brahmins have woven. Lilies of Nilufar shall garland the neck of the happy cow that is to lead him safely beyond the fiery river, and the rings shall be golden wherewith her horns are tipped. A mighty concourse of clients shall follow him to the

place of burning,--to "Rudra, the place of tears,"--whither ten Kooleen Brahmins will bear him; and as often as they set down the bier to feed the dead with a morsel of moistened rice, other Brahmins shall sing his wisdom and his virtues, and celebrate his meritorious deeds. When his funeral pyre is lighted, his sons, and his sons' sons, and his daughters' husbands, and his nephews, shall beat their breasts and rend the air with lamentations; and when his body has been consumed, his ashes shall be given to the Ganges,--all save a certain portion, which shall be made into a paste with milk, and moulded into an image; and the image shall be set up in his house, that the Brahmins and all his people may offer sacrifices before it.

On the tenth day, his wife shall adorn her forehead with a scarlet emblem, blacken the edges of her eyelids with soorma, deck her hair with scarlet flowers, her neck and bosom with sandal, stain her face, arms, and legs with turmeric, and array her in her choicest robes and all her jewels, and follow her eldest son, in full procession, to the tank hard by the "land of Rudra." And the heir shall take three little stones, that were planted there in a row by the Purohitas, and, going down into the water as deep as his neck, shall turn his face to the sun and say, "Until this day these three stones have stood for my father, that is dead. Henceforth let him cease to be a carcass; let him enter into the joys of Swarga, the paradise of Devendra, to be blessed with all conceivable blessings so long as the waters of Ganges shall continue to flow;--so shall the dead Brahmin not prowl through the universe, afflicting with evil tricks stars, men, and trees; so shall he be laid."

But who shall lay the quick Asirvadama, than whom there walks not a sprite more cunning, more malign?

Ever since the Solitaries, odious by their black arts to princes and people, were slain or driven out,--fifteen centuries and more,--Asirvadama the Brahmin has been selfish, wicked, and mischievously busy,--corrupting the hearts, bewildering the minds, betraying the hopes, exhausting the moral and physical strength of the Hindoos. He has taught them the foolish tumult of the Hooly, the fanatical ferocities of the Yajna, the unwhisperable obscenities of the Saktis, the fierce and ruinous extravagances of the Doorga Pooja, the mutilating monstrosities of the Churruck, the enslaving sorceries of the Atharvana Veda, the raving mad revivals of Juggernath, the pious debaucheries of Nanjanagud, the strange and sorrowful delusions of Suttee, the impudent ravishments of Vengata Ramana,--all the fancies and frenzies, all the delusions and passions and moral epilepsies that go to make up a Meerut or a Cawnpore.

Of the outrageous insolence of the Seven Penitents he omits nothing but their sincerity; of the enlightened simplicity of the anchorit philosophers he retains nothing but their selfishness; of the intellectual influence of the Gooroo pontiffs he covets nothing but their dissimulation. He has taught his gaping disciples that a skilfully compounded and plausibly administered lie is a goodly thing,--except it be told against the cause of a Brahmin, in which case no

oxyhydrogeneralities of earthly combustion can afford an idea of the particular hotness of the hell devised for such a liar. He has solemnly impressed them with the mysterious sacredness of the Ganges, and its manifold virtues of a supernatural order; to swear falsely by its waters, he says, is a crime for which Indra the Dreadful has provided an eternity of excruciations,--except the false oath be taken in the interest of a Brahmin, in which case the perjurer may confidently expect a posthumous good time. For the rich to extort money from the poor, says Asirvadam, is an affront to the Gooeroos and the Gods, which must be punished by forfeiture to the Brahmins of the whole sum extorted, the poor client to pay an additional charge for the trouble his protectors have incurred; the same when fines are recovered; and in cases of enforced payment of debts, three-fourths of the sum collected are swallowed up in costs. Being a Brahmin, to pay a bribe is a foolish act; to receive one--a necessary circumstance, perhaps. Not being a Brahmin, to offer or accept a bribe is a disgraceful transaction, requiring that both parties shall be made an example of;--the bribe is forfeited to the Brahmins, and the poorer party fined; if the fine exceed his means, the richer party to pay the excess.

As the Brahminical interpretation of an oath is not always clear to prisoners and witnesses of other castes, it is usual to illustrate the definition to the obtuser or more scrupulous unfortunates by the old-fashioned machinery of ordeals: such as compelling the conscientious or obdurate inquirer to promenade without sandals over burning coals; or to grasp, and hold for a time, a bar of red-hot iron; or to plunge the hands into boiling oil, and keep them there for several minutes. The party receiving these illustrations and practical definitions of the Brahminical nature of an oath, without discomfort or scar, is frankly adjudged innocent and reasonable.

Another pretty trick of ordeal, which borrows its more striking features from the department of natural history, is that in which the prisoner or witness is required to grope about for a trinket or small coin in a basket or jar already occupied by a lively cobra. Should the groper not be bitten, our courtly friend, Asirvadam, is satisfied there has been some mistake here, and gallantly begs the gentleman's pardon. To force the subject to swallow water, cup by cup, until it burst from mouth and nose, is also a very neat ordeal, but requiring practice.

Formerly, Asirvadam the Brahmin "farmed" the offences of his district;--that is, he paid a certain sum to government for the right to try, and to punish, all the high crimes and misdemeanors that should be committed in his "section" for a year. Of course, fines were his favorite penalties; and although most of the time, expenses for meddlers and perjurers being heavy, the office did not pay more than a fair living profit, there would now and then come a year when, rice being scarce and opium cheap, with the aid of a little extra exasperation, he cut it pretty fat. "Take it year in and year out," said Asirvadam the Brahmin, "a fellow couldn't complain."

Asirvadam the Brahmin is among the Sepoys. He sits by the well of Barrackpore, a comrade on either side, and talks, as only he can talk to whom no books are sealed. To one, a rigid statue of thrilled attention, he speaks of the time when Arab horsemen first made flashing forays down upon Mooltan; he tells of Mahmoud's mace, that clove the idol of Somnath, and of the gold and gems that burst from the treacherous wood, as water from the smitten rock in the wilderness; he tells of Timour, and Baber the Founder, and the long imperial procession of the Great Moguls,--of Humayoon, and Akbar, and Shah Jehan, and Aurengzebe,--of Hyder Ali and Tippoo Sultan,--of Moorish splendor and the Prophet's sway; and the swarthy Mussulman stiffens in lip-parted listening.

To the other, a fiery enthusiast, fretting for the acted moral of a tale he knows too well, he whispers of British blasphemy and insolence,--of Brahmins insulted, and gods derided,--of Vedas violated, and the sacred Sanscrit defiled by the tongues of Kaffirs,--of Pariahs taught and honored,--of high and low castes indiscriminately mingled, an obscene herd, in schools and regiments,--of glorious institutions, old as Mount Meru, boldly overthrown,--of suttee suppressed, and infanticide abated,--of widows re-married, and the dowries of the brides of Brahmins limited,--of high-caste students handling dead bodies, and Soodra beggars drinking from Brahminical wells,--of the triple cord broken in twain, and Brahminee bulls slain in the streets, and cartridges greased with the fat of cows, and Christian converts indemnified, and property not confiscated for loss of caste,--and a frightful falling off in the benighting business generally; and the fierce Rajpoot grinds his white teeth, while Asirvadam the Brahmin plots, and plots, and plots.

Incline your ears, my brothers, and I will sing you softly, and low, a song to make Moor and Rajpoot bite, with their very hearts:

"Bring Soma to the adorable Indra, the lord of all, the lord of wealth, the lord of heaven, the perpetual lord, the lord of men, the lord of earth, the lord of horses, the lord of cattle, the lord of water!"

"Offer adoration to Indra, the overcomer, the destroyer, the munificent, the invincible, the all-endowing, the creator, the all-adorable, the sustainer, the unassailable, the ever-victorious!"

"I proclaim the mighty exploits of that Indra who is ever victorious, the benefactor of man, the overthrower of man, the caster-down, the warrior, who is gratified by our libations, the grantor of desires, the subduer of enemies, the refuge of the people!"

"Unequaled in liberality, the showerer, the slayer of the malevolent, profound, mighty, of impenetrable sagacity, the dispenser of prosperity, the enfeeblener, firm, vast, the performer of pious acts, Indra has given birth to the light of the morning!"

"Indra, bestow upon us most excellent treasures, the reputation of

ability, prosperity, increase of wealth, security of person, sweetness of speech, and auspiciousness of days!"

"Offer worship quickly to Indra; recite hymns; let the outpoured drops exhilarate him; pay adoration to his superior strength!"

"When, Indra, thou harnesses thy horses, there is no such charioteer as thou; none is equal to thee in strength; none, howsoever well horsed, has overtaken thee!"

"He, who alone bestows wealth upon the man who offers him oblations, is the undisputed sovereign: Indra, ho!"

"When will he trample with his foot upon the man who offers no oblations, as upon a coiled snake? When will Indra listen to our praises? Indra, ho!"

"Indra grants formidable strength to him who worships him, having libations prepared: Indra, ho!"

The song that was chanted low by the well of Barrackpore to the maddened Rajpoot, to the dreaming Moor, was fiercely shouted by the well of Cawnpore to a chorus of shrieking women, English wives and mothers, and spluttering of blood-choked babes, and clash of red knives, and drunken shouts of slayers, ruthless and obscene.

When Asirvadam the Brahmin conjured the wild demon of revolt to light the horrid torch and bare the greedy blade, he tore a chapter from the Book of Menu:--

"Let no man, engaged in combat, smite his foe with concealed weapons, nor with arrows mischievously barbed, nor with poisoned arrows, nor with darts blazing with fire."

"Nor let him strike his enemy alighted on the ground; nor an effeminate man, nor one who sues for life with closed palms, nor one whose hair is loose, nor one who sits down, nor one who says, 'I am thy captive.'"

"Nor one who sleeps, nor one who has lost his coat-of-mail, nor one who is naked, nor one who is dismayed, nor one who is a spectator, but no combatant, nor one who is fighting with another man."

"Calling to mind the duty of honorable men, let him never slay one who has broken his weapon, nor one who is afflicted, nor one who has been grievously wounded, nor one who is terrified, nor one who turns his back."

But Asirvadam the Brahmin, like the Thug of seven victims, has tasted the sugar of blood, sweeter upon his tongue than to the lips of an eager babe the pearl-tipped nipple of its mother. Henceforth he must slay, slay, slay, mutilate and ravish, burn and slay, in the name of the queen of horrors.--Karlee, ho!

Now what shall be done with our dangerous friend? Shall he be blown from the mouths of guns? or transported to the heart-breaking Andamans? or lashed to his own churruck-posts, and flayed with cats by stout drummers? or handcuffed with Pariahs in chain-gangs, to work on his knees in foul sewers? or choked to death with raw beefsteaks and the warm blood of cows? or swung by stout Irish wenches with bridle-ends? or smitten on the mouth with kid gloves by English ladies, his turban trampled under foot by every Feringhee brat in Bengal?--Wanted, a poetical putter-down for Asirvadam the Brahmin.

"Devotion is not in the ragged garment, nor in the staff, nor in ashes, nor in the shaven head, nor in the sounding of horns.

"Numerous Mahomets there have been and multitudes of Brahmas, Vishnus, and Sivas;

"Thousands of seers and prophets, and tens of thousands of saints and holy men:

"But the chief of lords is the one Lord, the true name of God!"

* * * * *

WHAT ARE WE GOING TO MAKE?

It would be easy to collect a library of lamentations over the mechanical tendency of our age. There are, in fact, a good many people who profess a profound contempt for matter, though they do nevertheless patronize the butcher and the baker to the manifest detriment of the sexton. Matter and material interests, they would have us believe, are beneath the dignity of the soul; and the degree to which these "earthly things" now absorb the attention of mankind, they think, argues degeneracy from the good old times of abstract philosophy and spiritual dogmatism. But what do we better know of the Infinite Spirit than that he is an infinite mechanic? Whence do we get worthier or sublimer conceptions of him than from the machinery with which he works? Are we ourselves less godlike building mills than sitting in pews?--less in the image of our Maker, endeavoring to subdue matter than endeavoring to ignore its existence? Without questioning that the moral nature within us is superior to the mechanical, we think it quite susceptible of proof that the moral condition of the world depends on the mechanical, and that it has advanced and will advance at equal pace with the progress of machinery. To prove this, or anything else, however, is by no means the purpose of this article, but only to take the general reader around a little among mechanical people and ideas, to see what lies ahead.

"Papa, what are you going to make?" was doubtless the question of Tubal-Cain's little boy, when he saw his ingenious father hammering a red-hot iron, with a stone for a hammer, and another for an anvil. Little boys have often since asked the same question in blacksmiths' shops, and we now have shops in which the largest boys may well ask it. It might be answered in a general way, that the smiths or smelters, black and white, were and are going to make what our Maker left unmade in making the human race. The lower animals were all sent into the world in appropriate, finished, and well-fitting costume, provided with direct and effective means of subsistence and defence. The eagle had his imperial plumage, beak, and talons; the elephant his leathern roundabout and travelling trunk, with its convenient air-pump; and the beaver, at once a carpenter and a mason, had his month full of chisels and his tail a trowel. The *_bipes implumis_*, on the contrary, was hatched nude, without even the embryo of a pin-feather. There was nothing for him but the recondite capabilities of his two talented, but talonless hands, and a large brain almost without instinct. Nothing was ready-made, only the means of making. He was brought into the infinite world a finite deity, an infinitesimal creator,--the first being of that class, to our knowledge. His most urgent business as a creator was to make tools for himself, and especially for the purpose of supplying his own pitiful destitution of feathers. From the aprons of fig-leaves, stitched hardly so-so, to the last patent sewing-machine, he has made commendable progress. Without borrowing anything from other animals, he can now, if he chooses, rival in texture, tint, gloss, lightness, and expansiveness, the plumage of peacocks and birds-of-paradise; and it only remains that what can be done shall be done more extensively,--we do not mean for the individual, but for the masses. Man has created not only tools, but servants,--animals all but alive. We may soon say that he has created great bodies politic and bodies corporate, with heads, hands, feet, claws, tails, lungs, digestive organs, and perhaps other viscera. What is remarkable, having at first failed to furnish them with nerves, he has lately supplied that deficiency,--a token that he will supply some others.

Let not the reader shrink from our page as irreverent. It shall not preach the possibility of inventing perpetual motion or a machine with a soul in it, as was lately and vainly attempted in our good city of Lynn,--where, however, it may be said, they do succeed in making soles to what resemble machines. It is not for us to be either so enthusiastic, impious, or uncharitable as to prophesy that human ingenuity will ever endow its creations with anything more than the rudest semblance of that self-directing vitality which characterizes the most servile of God-created machinery. The human mechanic must be content, if he can approach as near to the creation of life as the painter and sculptor have done. The soul of the man-made horse-power is primarily the horse, and secondarily the small boy who stands by to "cut him up" occasionally. Maelzel created excellent chess-players, with the exception of intelligence, which he was obliged to borrow of the original Creator and conceal in a closet under the table.

But let us not undervalue ourselves--which would, in fact, be to undervalue our Creator--for such shortcomings. Though into our iron horse's skull or cab we have to put one or two living men to supply its deficiency of understanding, it is nevertheless a recognizable animal, of a very grand and somewhat novel type. Its respiratory, digestive, and muscular systems are respectable; and in the nature and articulation of its organs of motion it is clearly original. The wheel, typical of eternity, is nowhere to be found among living organisms, unless we take the brilliant vision of Ezekiel in a literal sense. The idea of attributing life or spirit to wheels, organs by their nature detached or discontinuous from the living creatures of which they were parts, was worthy of a prophet or poet; but to no such prophetic vision were the first wheelwrights indebted for their conception of so great an improvement upon animal locomotion. For if they had not made chariots before Noah's flood, they certainly had done it before Pharaoh's smaller affair in the Red Sea. On that occasion, the chariot-wheels of the Egyptians were taken off; but this does not seem to have produced effects so decisive as would result from a similar disorganization in Broadway or Washington Street; for the charioteers still "drave them heavily." Hence we may infer that the wheels were of rude workmanship, making the chariots little less liable to the infirmity of friction than those Western vehicles called mud-boats, used to navigate semi-fluid regions which pass on the map for *_terra firma_*.

Yet, notwithstanding the rudeness of the primitive chariot, made of two or three sticks and two rings cut from a hollow tree, it was the germ of human inventions, and embosomed the world's destiny. It was the most original as well as the most godlike of human thoughts. The ship may have been copied from the nautilus, or from the embarked squirrel trimming his tail to the breeze; or it may have been blundered upon by the savage mounted on a drift-log, accidentally making a sail of his sheepskin cloak while extending his arms to keep his balance. But the cart cannot be regarded either as a plagiarism from Nature, or the fruit of accident. The inventor must have unlocked Nature's private closet with the key of mathematical principle, and carried off the wheel and axle, the only mechanical power she had not used in her physical creation, as patent to our senses. Of course, she meant it should be stolen. She had, it is true, made a show of punishing her little Prometheus for running off with her match-box and setting things on fire, but she must have felt proud of the theft. In well-regulated families children are not allowed to play with fire, though the passion to do it is looked on as a favorable mental indication. When the good dame saw that her infant *_chef-d'oeuvre_* had got hold of her reserved mechanical element, the wheel, she foresaw his use of the stolen fire would be something more than child's play. The cart, whether two-wheeled, or, as our Hibernian friends will have it, one-wheeled, was an infinite success, an invention of unlimited capabilities. Yet the inventor obtained no record. Neither his name nor his model is to be found in any patent-office.

The tool-making animal, having obtained this marvellous means of multiplying, or rather treasuring and applying, mechanical force, went on at least some thousands of years before waking up to its grand significance. Among the nations that first obtained excellence in textile fabrics, very little use has ever been made of the wheel. The spinning-girl of Dacca, who twists, and for ages has twisted, a pound of cotton into a thread two hundred and fifty miles long, beating Manchester by ninety miles, has no wheel, unless you so call a ball of clay, of the size of a pea, stuck fast on one end of her spindle, by means of which she twists it between her thumb and finger. But this wonderful mechanical feat costs her many months of labor, to say nothing of previous training; while the Manchester factory-girl, aided by the multiplying power of the wheel, easily makes as much yarn, though not quite so fine, in a day. If it were an object to rival the tenuity of the finest India muslin, machinery could easily accomplish it. But that spider-web fabric is carried so nearly to transparency, that the Emperor Aurengzebe is said to have reproved his daughter for the indelicacy of her costume while she wore seven thicknesses of it. She might have worn twelve hundred yards without burdening herself with more than a pound weight; what she did wear did not, probably, weigh two ounces. The Chinese and Japanese have spinning-wheels hardly equal to those brought over by our pilgrim fathers in the Mayflower. But they have also, what Western civilization has not, praying-wheels. In Japan the praying-wheel is turned by hand; but in China, according to Hue, it is sometimes carried by water-power, and rises to the dignity of a mill. The Japanese, however, have mills for hulling rice, turned by very respectable water-wheels. The Egyptians and Greeks had water-wheels, and in fact understood all the mechanical powers. Archimedes, all the world knows, astounded the Romans by mechanical combinations which showered rocks on the besiegers of Syracuse, and boasted he could make a projectile of the world itself, if he could only find a standing-place outside of it.

The present civilization of Europe very properly began with the clock, a machine which a monk, afterwards Pope Sylvester II, was supposed to have borrowed from Satan, though he was probably indebted for it to the Saracens. For nearly nine hundred years after his day, the best ingenuity of Italian, German, Swiss, French, and English mechanics was devoted to perfecting this noble creation, and it became at last a part of the civilized man, a sort of additional or supplementary sense. The savage may well be excused for mistaking the watch for a living creature. It could not serve us better, if it were. True, it does not perform its function by its own force, but by a stock of extraneous force which is from time to time put into a little store-house called a spring. Neither does the living creature perform its functions by any other force than that which is developed by the chemical action within it, or the _quasi_ combustion of its food. Its will does but direct the application of its mechanical power. It creates none. You may weigh the animal and all the food it is to consume, and thence calculate the utmost ounce of work, of a given kind, which it can thereafter perform. It may do less, but cannot do more. Having consumed all of its food and part of itself,

it dies. Its chemical organs have oxydated or burned up all the combustibles submitted to them, thus developing a definite amount of heat, a part of which, at the dictation of the will, by the mechanism of nerves and muscles, has been converted into mechanical motion. When the chemical function ceases, for the want of materials to act upon, the development of heat ceases. There is no more either to be converted into motion or to maintain the temperature of the body; and self-consumption having already taken the place of self-repair, there is no article left but the *_articulus mortis_*.

But of all the force or motion produced by, or rather passing through, a living animal, or any other organism, none is ever, so far as we know, annihilated. The motion which has apparently ceased or been destroyed has in reality passed into heat, light, electricity, magnetism, or other effect,--itself, perhaps, nothing but motion, to keep on, in one form or another, indefinitely. The fuel which we put into the stomach of the horse, of iron or of flesh, first by its oxydation raises heat, a part of which it is the function of the individual to convert into motion, to be expended on friction and resistance, or, in other words, to be reconverted into heat. What becomes of this heat, then? If the fuel were to be replaced or deoxydated, the heat that originally came from the oxydation would be precisely reabsorbed. But this heat of itself cannot overcome the stronger affinity which now chains the fuel to the oxygen. It must go forward, not backward, about its business, forever and ever. It may pass, but not cease. The sharp-eyed Faraday has been following far away this Proteus, with a strong suspicion that it changes at last into gravity, in which shape it returns straight to the sun, carrying down with it, probably, those flinty showers of meteors which, striking fire in the atmosphere of the prime luminary, replenish its overflowing fountain of life. But we are not aware that he has yet discovered the anastomosis of this conversion, or quite established the fact. We are therefore not yet quite ready to resolve the universe of physical forces into the similitude of the mythical mill-stream, which, flowing round a little hill, came back and fed its own pond. Nevertheless, we believe the physicists have pretty generally agreed to assume as a law of Nature what they call the conservation of force, the principle we have been endeavoring to explain.

Under the lead of this law, theory, or assumption, discoveries have been made that deeply and practically interest the most abject mortal who anywhere swings a hoe or shoulders a hod, as well as the lords of the land. For example, it has been ascertained that heat is converted into motion, or motion into heat, according to a fixed or constant ratio or equivalent. To be more particular, the heat which will raise the temperature of a pound of water one degree of Fahrenheit's scale, when converted into mechanical motion, is equivalent to the force which a weight of seven hundred and seventy-two pounds would exert by falling one foot. This is a wonderfully small quantity of heat to balance so heavy a blow, but the careful experiments of Mr. Joule of Manchester, the discoverer, confirmed by Regnault, Thomson, Rankine, Clausius, Mayer, Rennie,

and others, have, we believe, satisfied scientific men that it is not far from the correct measure. Were the same, or a far less amount of heat, concentrated on a minute chip of steel struck off by collision with a flint, it would be visible to the eye as a spark, and show us how motion is converted into light as well as heat.

It is not our vocation to dive into the infinities, either upward or downward, in search, on the one hand, of the ultimate atoms of the rarest ether, by whose vibrations the luminous waves run through space at the rate of more than ten millions of miles a minute, or, on the other, of the nebulous systems, worlds in the gristle, so far off that the light just now arriving from them tells only how they looked two hundred thousand years ago. All we have to say is, that, if we do not now absolutely know, we do reasonably suspect, that heat and light are mere mechanical motions, alike in nature and interconvertible in fact. The luminiference seems to behave itself, not like infinitely small bullets projected from Sharpe's rifles of proportionately small bore, as was once supposed, but rather after the manner of the sound-waves, which we know travel through the air from the sonorous body to the ear. They have also a resemblance, not so close, to the waves which run in all directions along the surface of a pond of water from the point where a stone falls into it. These three classes of waves, differing so immensely in magnitude and velocity, all agree in this,--that it is the wave that travels, and not the fluid or medium. The rapidity of the luminous wave is about nine hundred million times that of the sound-wave; hence we may suppose that the ether in which it moves is about as many times rarer or lighter than air, and the retina of the eye which it impresses as many times more delicate and sensitive than the drum of the ear. It can hardly be unreasonable to suppose that a fluid so rare as this luminiferous ether will readily interflow the particles of all other matter, gaseous, liquid, or solid, and that in such abundance that its vibrations or agitations may be propagated through them. Yet even the rarest gases must considerably obstruct and modify the vibratory waves, while liquids and solids, according to their density and structural arrangement of atoms, must do it far more. The luminiferous ether, in which all systems are immersed, kept hereabout in an incessant quiver through its complete and perhaps three-fold gamut of vibrations by the sun, strikes the aerial ocean of the earth about an average of five hundred million millions of blows per second, for each of the seven colors, or luminous notes, not to speak of the achromatic vibrations, whose effects are other than vision or visionary. The aerial ocean is such open-work, that these infinitesimal billows are not much, though somewhat, broken by it; but when they reach the terraqueous globe itself, they dash into foam which goes whirling and eddying down into solids and liquids, among their wild caverns of ultra-microscopic littleness, and this foam or whirl-storm of ethereal substance is heat, if we are not much mistaken. According to its intensity, it expands by its own mere motion all grosser material.

The quantity of this ethereal foam, yeast, whirlwind, hubbub, or whatever else you please to call it, which is got up or given up by

the combustion of three pounds of good bituminous coal, according to Mr. Joule's experiments, is more than equivalent to a day's labor of a powerful horse. With our best stationary steam-engines, at present, we get a day's horse-power from not less than twenty-four pounds of coal. At this rate, the whole supply of mineral coal in the world, as it may be roughly estimated, is equivalent only to the labor of one thousand millions of horses for fifteen hundred years. With the average performance of our present engines, it would support that amount of horse-power for only one thousand years. But could we obtain the full mechanical duty of the fuel by our engines, it would be equal to the work of a thousand millions of horses for sixteen thousand years, or of about fifteen times as many men for the same time. This would materially postpone the exhaustion of the coal, at which one so naturally shudders,--to say nothing of the saving of having to dig but one eighth as much of the mineral to produce the same effect. Hence some of the interest that attaches to this discovery of Mr. Joule, which has given a new impulse to the labor of inventors in pushing the steam-engine towards perfection.

But if the whole available mechanical power, laid in store in the coal mines, in addition to all the unimproved wind and water power, should seem to any one insufficient to work out this world's manifest destiny, the doctrine of the essential unity or conservation of force is not exhausted of consolation. All the coal of which we have spoken is but the result of the action of sun-light in past ages, decomposing carbonic acid in the vegetative process. The combustion of the carbon reproduces a force exactly equivalent to that of the sun-light which was absorbed or consumed in its vegetative separation. Supposing the whole estimated stock of coal in the world to be consumed at once, it would cover the entire globe with a stratum of carbonic acid about seventy-two feet deep. And if all the energy of sun-light which this globe receives or encounters in a year were to be devoted to its decomposition, according to Pouillet's estimate of the strength of sunshine,--and he probably knows, if any one does,--deducting all that would be wasted on rock or water, there would be enough to complete the task in a year or two. A marvellous growth of forest, that would be! But the coal is not to be burned up at once. When we get our steam-engines in motion to the amount of two or three thousand millions of horse-power, and are running off the coal at the rate of one tenth of one per cent per annum, the simple and inevitable consequence will be that the wood will be growing enough faster to keep good the general stock of fuel. Doubtless the forests are now limited in their growth and stunted from their ante-Saurian stature, not so much for want of soil, moisture, or sunshine as for want of carbonic acid in the air, to be decomposed by the foliage, the great deposition of coal in the primitive periods having exhausted the supply. Our present havoc of wood only changes the locality of wood-lots, and our present consumption of coal, rapid enough to exhaust the entire supply in about seventy-seven thousand years, is sure to increase the aggregate cordage of the forests. By the time we have brought our locomotive steam-cultivators to such perfection as to plough up and pulverize the great central deserts, we may see trees flourish where it would have been useless to plant

the seed before we had converted so much of the earth's entrails into smoke.

There was a time, before we had harnessed the powers of Nature to found, forge, spin, weave, print, and drudge for us generally, that in every civilized country the strong-headed men used their strong-handed brethren as machines. Only he could be very knowing who owned many scribes, or he very rich who owned many hewers of wood and drawers of water. With our prodigious development of mechanical inventions, iron and coal, our mighty steam-driven machinery for making machines, the time for chattelizing men, or depending mainly on animal power of any sort for the production of wealth, has passed by. Abrogate the golden rule, if you will, and establish the creed of caste,--let the strongest of human races have full license to enslave the weakest, and let it have the pick of soil and staples,--still, if you do not abolish the ground rules of arithmetic, and the fact that a pound of carbon costs less than a pound of corn, and must cost less for at least a thousand years to come, chattelism of man will cease in another generation, and the next century will not dawn on a human slave. At present, a pound of carbon does not cost so much as a pound of corn in any part of the United States, and in no place visited by steam-transportation does it cost one fifth as much. We are already able to get as much work out of a pound of carbon as can be got from a pound of corn fed to the faithfulest slave in the world. Mr. Joule has shown us that there is really in a pound of carbon more than twice as much work as there is in a pound of corn. The human corn-consuming machine comes nearer getting the whole mechanical duty or equivalent out of his fuel than our present steam-engine does, but the former is all he ever will be, while the latter is an infant and growing.

We shall doubtless soon see engines that will get the work of two slaves out of the coal that just balances one slave's food in the scales. Our iron-boned, coal-eating slave, with the advantage of that peculiar and almost infinitely applicable mechanical element, the wheel, may be made to go anywhere and do any sort of work, and, as we have seen, he will do it for one tenth of the cost of any brute or human slave.

But will not our artificial slave be more liable to insurrection? Everybody admits that he already accomplishes incalculable drudgery in the huge mill, on the ocean, and on the iron highway. But almost everybody looks upon him as a sleeping volcano, which must sooner or later flare up into irresistible wrath and do frightful mischief. Underwriters shake their prudent heads at him. Coroners' inquests, sitting solemnly over his frequent desolations, find only that some of his ways are past finding out. Can such a creature be domesticated so as to serve profitably and comfortably on by-roads as well as high-roads, on farms, in gardens, in kitchens, in mines, in private workshops, in all sorts of places where steady, uncomplaining toil is wanted? Can we ever trust him as we trust ourselves, or our humble friends, the horse and the ox? The law of the conservation of force, now so nearly developed, will perhaps

throw some light on this inquiry.

Boiler explosions have a sort of family resemblance to the freaks of lightning or the thunderbolt. Indeed, so striking is the similarity, that people have been prone to think, that, previously to an explosion, the steam in the boiler must have become in some inexplicable way charged with electricity like a thunder-cloud, and that the discharge must have occasioned the catastrophe. It is needless to say to those who understand a Leyden jar, that nothing of the sort takes place. The friction of the watery globules, carried along by the steam in blowing off, is found to disturb the electrical equilibrium, as any other friction does; but the circumstances in the case of a boiler are always so favorable to its restoration, that an electrical thunderbolt cannot possibly be raised there that would damage a gnat. Yet a boiler explosion may, after all, depend on the same immediate cause as the mechanical effect which is frequently noticed after an electrical discharge in a thunder-storm. Let us hypothetically analyze what takes place in a thunder-storm. For the sake of illustration, and nothing more, we will suppose the existence, throughout all otherwise void space, of three interflowing ethers, the atoms of each of which are, in regard to each other, repellant, negative, or the reverse of ponderable, and that these ethers differ in a series by vast intervals as to size and distance of atoms, that each neither repels nor attracts the other, that only the rarest is everywhere, and that the denser ones, while self-repellant, have affinities, more or less, which draw them from the interplanetary spaces towards the ponderable masses. Let the rarest of these ethers be that whose vibrations cause the phenomena of light,--the next denser that which, either by vibration or translatory motion, causes the electrical phenomena,--and the most dense of the three that which by its motions, of whatever sort, causes the phenomena of heat. The solar impulse propagated through the luminiferous ether towards any mass encounters in its neighborhood the electrical and calorific ethers, and sets them into motions which may be communicated from one to the other, but which are communicated to ponderable matter, or result in mechanical action, only or chiefly by the impulse of the denser or calorific ether. When the sun shines on land and water, as we have already said, there is a violent ethereal commotion in the interstices of the superficial matter, which we will now suppose to be that of the calorific ether; and by virtue of this motion, together with whatever affinities this ether may be supposed to have for ponderable matter, we may account for evaporation, and the production of those vast aerial currents by which the evaporated water is diffused. In the production of aerial currents, heat is converted into force, and hence vapor is converted into watery globules mechanically suspended on clouds, which, by their friction, sweep the electrical ether into excessive condensation in the great Leyden-jar arrangement of the sky. Whatever it may be that gives relief to this condensation, the relief itself consists in motion, either translatory or vibratory, of the electrical ether or ethers. As this motion, if it be such, often takes place through gases, liquids, and solids, without any sensible mechanical effect, and at

other times is contemporary with phenomena of intense heat, we may, till otherwise informed, suppose, that, whenever it produces a mechanical effect, it is by so impinging on the calorific ether as to produce the motion of heat, which is instantly thereafter converted into mechanical force. It is not so much the greatness of the amount of this mechanical force which gives it its peculiar destructiveness, as the inequality of its strain; not so much the quantity of matter projected, as the velocity of the blow. One may have his brains blown out by a bullet of air as well as one of lead, if the air only blows hard enough and to one point. Whatever its material, the edge of the thunder-axe is almost infinitely sharp, and its blow is as destructive as it is timeless. But it is always heat, not electrical discharge, which only sometimes causes heat, that strikes the blow.

Now in the case of a steam-boiler, when the water, having been reduced too low, is allowed suddenly to foam up on the overheated crown-sheet of the furnace, there must be just that sudden or instantaneous conversion of heat into force which may take place when the current of the electrical discharge passes through the gnarled fibres of an oak. The boiler and the oak are blown to shivers in equally quick time. The only difference seems to be, that in one case electricity stood immediately, in point of time, behind the heat, and in the other it stood away back beyond the crocodiles, playing its role more genially in the growth of the monster forests whose remains we are now digging from the bowels of the earth as coal. In the normal action of a steam-boiler, the steam-generating surfaces being all under water, however unequally the fire may act in different localities, the water, by its rapid circulation, if not by its heat-absorbing power, diffuses the heat and constantly equalizes the strain resulting from its conversion into mechanical force. The increase of pressure takes place gradually and evenly, and may easily be kept far within safe limits. It is quite otherwise when the conductivity of the boiler-plate is not aided and controlled by the distributiveness of the water, as it is not whenever the plate is in contact with the fire on one side without being also in contact with the water on the other. Everybody knows that boilers explode under such circumstances, but everybody does not know why.

A cylinder of plate-iron will withstand a gradually applied, evenly distributed, and constant pressure, one thousandth part of which, acting at one spot, as a blow, would rend its way through, or establish a crack. This slight rent, giving partial relief to the sudden but comparatively small force that causes it, would be nothing very serious in itself,--no more so than a rent produced by the hydraulic press,--if the whole force, equal, perhaps, to that of a thousand wild horses imprisoned within, did not take instant advantage of it to enlarge the breach and blow the whole structure to fragments, or, in other words, if it did not permit nearly the whole of the accumulated heat in the boiler to be at once converted into mechanical motion. For example, a boiler whose ordinary working pressure is one hundred pounds to the square inch, which may give an aggregate on the whole surface of five millions of pounds, would not

give way, perhaps, if that pressure were gradually and evenly increased to thirty millions. But if the water is allowed to get so low that some part of the plate exposed to the fire is no longer covered with it, that part will directly become far hotter than the water or the mass of the steam,--dry steam having no more power to carry away the excess of heat than so much air. After that, when the water rises again, the first wave or wallop that strikes the overheated plate absorbs the excess of heat, and its conversion into steam of higher pressure than that already existing is so sudden that it may be regarded as instantaneous. It is to be remembered that for every pound of water raised one degree, or heat to that amount absorbed in generating steam, a force of seven hundred and seventy-two pounds is created. In this case a new or additional force is created, which, acting in all directions from one point, first takes effect on the line which joins that point with the nearest opposite point in the wall of the boiler. If it is not like smiting with the edge of a ponderous battle-axe, it is at least as dangerous as a cannon ball shot along that line. If the local heat so suddenly absorbed be but enough to raise ten pounds of water ten degrees, it is equivalent to the force acquired by seventy-seven thousand two hundred pounds falling through a foot, or of a cannon-ball of one hundred pounds flying at the rate of more than a mile per second. If by any miracle the boiler should stand this shock or series of shocks, the pressure becomes equalized, and the overheated plate having parted with its excess of heat, safety is restored. But if cohesion is anywhere overcome by the sudden blow, the wild horses stampede in all directions. The boiler, minus the water and boiler-head perhaps, goes through ceiling, roof, and brick walls, as if they were cobwebs, and, surrounded with fragments of men and things, is seen descending like a comet through the neighboring air.

To get rid of this liability to have a Thor-hammer or thunderbolt generated in the stomach of a steam-engine, at any moment when the vigilance of the engineer happens to be at fault, something is going to be done. No safety-valve or fusible plug is adequate. The boiler cannot be all safety-valve. The trouble is, the hammer is not more likely to strike the first of its terrible series of blows on the valve than anywhere else. A safety-valve, in good order, is a sovereign precaution against the excess of an equally distributed strain, but it is not an adequate protection against a shock or unequal strain. The old-fashioned gaugecocks, which are by no means to be dispensed with, reveal the state of the water in the boiler to the watchful engineer about as surely as the stethoscope reveals to the doctor the condition of his patient's lungs. A surer and more convenient indication is the tubular glass gauge, on the fountain principle, which in its best form is both trustworthy and durable. No well-informed proprietor suffers his boiler to be without one; but it is not a cure for carelessness. It is only a window for the vigilant eye to look through, not the eye itself. Steam-boilers will have to be constructed so that when the subsidence of the water fails to check itself by enlarging the supply, it shall, before the point of danger is reached, infallibly check the combustion, let off

the steam, and blow a whistle or ring a bell, which the proprietor may, if he pleases, regard as the official death-knell of the careless engineer. Human vigilance must not be superseded, but fortified,--as in the case of the watchman watched by the tell-tale clock. The steam-creature must be so constituted as to refuse to work itself down to the zone where alone unequal strains are possible; it must cry out in horror and strike work. Mechanically the solution of the problem is easy, and the enhancement in cost of construction will be nothing, compared to the risk of loss from these explosions. With this guard against the deficiency of water, steam-power will become the safest, as it is the most manageable, of all forces that have hitherto been subsidized by the civilized man.

But there is one more improvement worth mentioning. We do great injustice to our steam-slaves by the slovenly and unphilosophical way in which we feed them. We take no hints from animal economy or the laws of dietetics.

Our creature has no regular meals, especially if he is one of the fast kind; but a grimy nurse stands by, and, opening his mouth every few minutes, crams in a few spoonfuls of the black pudding. The natural consequence is more or less indigestion and inequality of strength. We have not yet taken full advantage of the laws of combustion, or adapted our apparatus to the peculiarities of the best and cheapest fuel. Nature manages more wisely in her machinery. Combustion, the union of fuel with oxygen, ceases for want of air as well as for want of fuel. In the case of fuels compounded of carbon and hydrogen, if the air be withheld when the mass is in rapid combustion, the heat will cause a portion of the fuel to pass off by distillation, unconsumed, and this portion will be lost. But from the best anthracite, which is nearly pure carbon concentrated, if oxygen be entirely excluded, not much can distil away with any degree of heat. The combustion of this fuel, therefore, admits of very easy and economical regulation, by simply regulating the supply of air. When the air is admitted at all, it should be admitted above as well as below the fuel, so that the carbonic oxyde that is generated in the mass may be burned, or converted into carbonic acid, over the top. Why, then, should not the iron horse, before leaving his stable, take a meal of anthracite sufficient to last him fifty or one hundred miles? Let him swallow a ton at once, if he need it. Before starting, let the temperature of the mass in the furnace be got up to the point where the combustion will go on with sufficient rapidity for the required speed by simply supplying air, which should also be fed as hot as possible. This done, the engineer throughout the trip will have perfect control of his force by means of the steam-blast and air-openings. There will be no smoke nuisance, the combustion being complete so far as it takes place at all. There will be no need of loading the furnace with firebrick to equalize the heat,--the mass of incandescent fuel serving that purpose; and no waste or inequality will occur from opening the door to throw in a cold collation.

What are we going to make? First, we are going to finish up, and

carry out into all desirable species, our great idea of an iron slave, the illustrious Man Friday of our modern civilization. Whether we put water, air, or ether into his aorta, as the medium of converting heat into force, we shall at last have a safe subject, available for all sorts of drudgery, that will do the work of a man without eating more than half as much weight of coal as a man eats of bread and meat. Next, carrying into all departments of human industry, in its perfect development, this new creature, which has already, as a mere infant, made so stupendous a change in some of them, we shall make the human millions all masters, from being nearly all slaves. We shall make both idleness and poverty nearly impossible. Human labor, as a general thing, is a positive pleasure only when the hand and brain work in concert. Hence, the more you increase well-devised and efficient machinery, which requires and rewards intelligent oversight and skilful direction, the more you increase the love of labor. We have already manufacturing communities so well supplied with tasks for brains and hands, that everybody works, or would do so but for Circe and her seductive hollow-ware. We are beginning to push machinery into agriculture, where it will have still greater scope. With the means we now have, in the enormously increased production of iron, our almost omnipresent and omnipotent machine-shops, our railroads leading everywhere, another century, or perhaps half of it, will see every arable rood of the earth and every rood that can be made arable, ploughed, sowed, and the crops harvested by iron horses, iron oxen, or iron men, under the free and intelligent supervision of people who know how to feed, drive, doctor, and make the most of them.

One island, which would hardly be missed from the map of the world, so small that its rivers all fall into the sea mere brooks, with not more than one-thirteenth as much coal as we have in the United States, and perhaps not one-hundredth as much iron ore, by the use of steam-driven machinery produces as much iron and perhaps weaves as much cloth yearly as all the rest of the world. If it does not the latter, it would do it, if it could find enough of the raw material and paying customers. But agriculture, which supplies the raw material, though it is the first and most universal form of human labor, lags behind the world's present manufacturing power. One cause of the late, and perhaps of the previous commercial revulsion, was this disproportion. The more rapid enlargement of manufacturing industry, multiplied in power by its machinery, caused the raw material to rise in price and the manufactured article to fall, till the operations could not be supported from the profits at the same time that contracts were fulfilled with capitalists. Manufactures must pause till agriculture overtakes. Steam-machinery applied to agriculture is the only thing that can correct this disproportion, and this is what we are going to make. The world is not to be much longer dependent for its cotton on the compulsory labor of the Dark Ages, nor for its flax and corn on blistered free hands or overworked cattle. The laborer, in either section of our country, will be transformed into an ingenious gentleman or lady, comfortably mounted on a migratory steam-cultivator to direct its gigantic energies,--or, at least, occasionally so occupied. Under this system,

it must be plain enough, to all persons prophetically inclined, that the Northern valleys will greatly multiply their products, while the Southern cotton-fields will whiten with heavier crops than human chattelism ever produced, and the mountains of both latitudes, now hardly notched with civilization, will roll down the wool of sheep in clouds.

Finally, with important and fruitful mechanical ideas which the world did not have twenty years ago, with machinery which no one could have believed possible one hundred years ago, and which has, since that time, quintupled the power of every free laborer in Christendom, we are going to make man what his Creator designed him to be,—always and everywhere a sub-creator. By the press we are making the knowledge of the past the knowledge of the present, the knowledge of one the knowledge of all. By the telegraph the senses of sight and hearing are to be extended around the globe. If we do not make ships to navigate the air, for ourselves, our wives, and our little ones, it will not be because we cannot, but because, being lords of land and sea, with power to traverse either with all desirable speed, we are too wise to waste force either in beating the air for buoyancy, battling with gravity like birds, on the one hand, or in paddling huge balloons against the wind, on the other. The steam-driven wheel leaves us no occasion to envy even that ubiquitous denizen of the universe, the flying-fish. We have in it the most economical means of self-transportation, as well as of mechanical production. It only remains to make the most of it. This, to be sure, will not be achieved without infinite labor and innumerable failures. The mechanical genius of the race is like the polypus anxiously stretching its tentacles in every direction, and though frustrated thousands of times, it grasps something at last.

One of the most significant structures in the world, by the way, is the United States Patent Office at Washington. No other building in that novel city means a hundredth part as much, or shows so clearly what the world's most cunning thoughts and hands are chiefly engaged with. Not that the Patent Office contains so many miracles of mechanical success; rather the contrary. Take a just appraisal of its treasures, and you will regard it rather as the chief tomb in the Pere la Chaise of human hopes. What multitudes of long-nursed and dearly-cherished inventions there repose in a common grave, useful only as warnings to future inventors! One great moral of the survey is, that inventive talent is shamefully wasted among us, for want of proper scientific direction and suitable encouragement. The mind that comprehends general principles in all their relations, and sees what needs to be done and what is possible and profitable to be done, is of necessity not the one to arrange in detail the means of doing. The man of science and the mechanical inventor are distinct persons, speaking of either in his best estate; and the maximum success of machinery depends on their acting together with a better understanding than they have hitherto had. It were less difficult than invidious to point to living examples of the want of cooperation and co-appreciation between our knowing and our doing men; but, for the sake of illustrating our idea, we will run the risk of

quoting a minute from the proceedings of one of our scientific societies, premising that we know nothing more of the parties than we learn from the minute itself,--to wit, that one is, or was, an ingenious mechanic, and the other a promoter of science.

"Dr. Patterson gave an account of an automaton speaking-machine which Mr. Franklin Peale and himself had recently inspected. The machine was made to resemble as nearly as possible, in every respect, the human vocal organs; and was susceptible of varied movements by means of keys. Dr. Patterson was much struck by the distinctness with which the figure could enunciate various letters and words. The difficult combination _three_ was well pronounced,--the _th_ less perfectly, but astonishingly well. It also enumerated diphthongs, and numerous difficult combinations of sounds. Sixteen keys were sufficient to produce all the sounds. In enunciating the simple sounds, the movements of the mouth could be seen. The parts were made of gum elastic. The figure was made to say, with a peculiar intonation, but surprising distinctness, 'Mr. Patterson, I am glad to see you.' It sang, 'God save Victoria,' and 'Hail Columbia,'--the words and air combined. Dr. Patterson had determined to visit the maker of the machine, Mr. Faber, in private, in order to obtain further interesting information; but, on the following day, Dr. P. was distressed to learn, that, in a fit of excitement, he had destroyed every particle of a figure which had taken him seventeen years to construct."

It is quite probable that the world lost very little by the destruction of this curious figure, whatever the nature or cause of the "excitement" that led to it. All we have to say is, that it does lose much, when the genius that can create such things is not set upon the right tasks, and encouraged to success by the "high consideration" of scientific men, who alone of all the world can appreciate the difficulties it has to contend with. It is by setting the right mechanical problems before the men who can make dumb matter talk, that we are to bring about the resurrection of the black Titan who has lain buried under the mountains for thousands of millenniums, and constitute him the efficient sub-gardener of the world's Paradise Regained.

* * * * *

SHIPWRECK

We who by shipwreck only find the shores
Of divine wisdom can but kneel at first,
Can but exult to feel beneath our feet,
That long stretched vainly down the yielding deeps,
The shock and sustenance of solid earth:
Inland afar we see what temples gleam

Through immemorial stems of sacred groves,
And we conjecture shining shapes therein;
Yet for a space 'tis good to wonder here
Among the shells and seaweed of the beach.

THE AUTOCRAT OF THE BREAKFAST-TABLE.

EVERY MAN HIS OWN BOSWELL.

[Spring has come. You will find some verses to that effect at the end of these notes. If you are an impatient reader, skip to them at once. In reading aloud, omit, if you please, the sixth and seventh verses. These are parenthetical and digressive, and, unless your audience is of superior intelligence, will confuse them. Many people can ride on horse-back who find it hard to get on and to get off without assistance. One has to dismount from an idea, and get into the saddle again, at every parenthesis.]

---The old gentleman who sits opposite, finding that spring had fairly come, mounted a white hat one day, and walked into the street. It seems to have been a premature or otherwise exceptionable exhibition, not unlike that commemorated by the late Mr. Bayley. When the old gentleman came home, he looked very red in the face, and complained that he had been "made sport of." By sympathizing questions, I learned from him that a boy had called him "old daddy," and asked him when he had his hat whitewashed.

This incident led me to make some observations at table the next morning, which I here repeat for the benefit of the readers of this record.

---The hat is the vulnerable point of the artificial integument. I learned this in early boyhood. I was once equipped in a hat of Leghorn straw, having a brim of much wider dimensions than were usual at that time, and sent to school in that portion of my native town which lies nearest to this metropolis. On my way I was met by a "Port-chuck," as we used to call the young gentlemen of that locality, and the following dialogue ensued.

The Port-chuck. Hullo, You-sir, did you know there was g-on-to be a race to-morrah?

Myself. No. Who's g-on-to run, 'n' wher's't g-on-to be?

The Port-chuck. Squire Mico and Doctor Williams, round the brim o' your hat.

These two much-respected gentlemen being the oldest inhabitants at that time, and the alleged race-course being out of the question, the Port-chuck also winking and thrusting his tongue into his cheek,

I perceived that I had been trifled with, and the effect has been to make me sensitive and observant respecting this article of dress ever since. Here is an axiom or two relating to it.

A hat which has been _popped_, or exploded by being sat down upon, is never itself again afterwards.

It is a favorite illusion of sanguine natures to believe the contrary.

Shabby gentility has nothing so characteristic as its hat. There is always an unnatural calmness about its nap, and an unwholesome gloss, suggestive of a wet brush.

The last effort of decayed fortune is expended in smoothing its dilapidated castor. The hat is the _ultimum moriens_ of "respectability."

---The old gentleman took all these remarks and maxims very pleasantly, saying, however, that he had forgotten most of his French, except the word for potatoes,--_pummies de tare_--_Ultimum moriens_, I told him, is old Italian, and signifies _last thing to die_. With this explanation he was well contented, and looked quite calm when I saw him afterwards in the entry with a black hat on his head and the white one in his hand.

----I think myself fortunate in having the Poet and the Professor for my intimates. We are so much together, that we no doubt think and talk a good deal alike; yet our points of view are in many respects individual and peculiar. You know me well enough by this time. I have not talked with you so long for nothing, and therefore I don't think it necessary to draw my own portrait. But let me say a word or two about my friends.

The Professor considers himself, and I consider him, a very useful and worthy kind of drudge. I think he has a pride in his small technicalities. I know that he has a great idea of fidelity; and though I suspect he laughs a little inwardly at times at the grand airs "Science" puts on, as she stands marking time, but not getting on, while the trumpets are blowing and the big drums beating,--yet I am sure he has a liking for his specialty, and a respect for its cultivators.

But I'll tell you what the Professor said to the Poet the other day.-- My boy, said he, I can work a great deal cheaper than you, because I keep all my goods in the lower story. You have to hoist yours into the upper chambers of the brain, and let them down again to your customers. I take mine in at the level of the ground, and send them off from my doorstep almost without lifting. I tell you, the higher a man has to carry the raw material of thought before he works it up, the more it costs him in blood, nerve, and muscle. Coleridge knew all this very well when he advised every literary man to have a profession.

---Sometimes I like to talk with one of them, and sometimes with the other. After a while I get tired of both. When a fit of intellectual disgust comes over me, I will tell you what I have found admirable as a diversion, in addition to boating and other amusements which I have spoken of,--that is, working at my carpenter's-bench. Some mechanical employment is the greatest possible relief, after the purely intellectual faculties begin to tire. When I was quarantined once at Marseilles, I got to work immediately at carving a wooden wonder of loose rings on a stick, and got so interested in it, that, when we were set loose, I "regained my freedom with a sigh," because my toy was unfinished.

There are long seasons when I talk only with the Professor, and others when I give myself wholly up to the Poet. Now that my winter's work is over, and spring is with us, I feel naturally drawn to the Poet's company. I don't know anybody more alive to life than he is. The passion of poetry seizes on him every spring, he says,--yet oftentimes he complains, that, when he feels most, he can sing least.

Then a fit of despondency comes over him.--I feel ashamed, sometimes,--said he, the other day,--to think how far my worst songs fall below my best. It sometimes seems to me, as I know it does to others who have told me so, that they ought to be all best,--if not in actual execution, at least in plan and motive. I am grateful--he continued--for all such criticisms. A man is always pleased to have his most serious efforts praised, and the highest aspect of his nature get the most sunshine.

Yet I am sure, that, in the nature of things, many minds must change their key now and then, on penalty of getting out of tune or losing their voices. You know, I suppose,--he said,--what is meant by complementary colors? You know the effect, too, that the prolonged impression of any one color has on the retina. If you close your eyes after looking steadily at a red object, you see a green image.

It is so with many minds,--I will not say with all. After looking at one aspect of external nature, or of any form of beauty or truth, when they turn away, the complementary aspect of the same object stamps itself irresistibly and automatically upon the mind. Shall they give expression to this secondary mental state, or not?

When I contemplate--said my friend, the Poet--the infinite largeness of comprehension belonging to the Central Intelligence, how remote the creative conception is from all scholastic and ethical formulae, I am led to think that a healthy mind ought to change its mood from time to time, and come down from its noblest condition,--never, of course, to degrade itself by dwelling upon what is itself debasing, but to let its lower faculties have a chance to air and exercise themselves. After the first and second floor have been out in the bright street dressed in all their splendors, shall not our humble friends in the basement have their holiday, and the cotton velvet

and the thin-skinned jewelry--simple adornments, but befitting the station of those who wear them--show themselves to the crowd, who think them beautiful, as they ought to, though the people up stairs know that they are cheap and perishable?

---I don't know that I may not bring the Poet here, some day or other, and let him speak for himself. Still I think I can tell you what he says quite as well as he could do it.--Oh,--he said to me, one day,--I am but a hand-organ man,--say rather, a hand-organ. Life turns the winch, and fancy or accident pulls out the stops. I come under your windows, some fine spring morning, and play you one of my adagio movements, and some of you say,--This is good,--play us so always. But, dear friends, if I did not change the stop sometimes, the machine would wear out in one part and rust in another. How easily this or that tune flows!--you say,--there must be no end of just such melodies in him,--I will open the poor machine for you one moment, and you shall look.--Ah! Every note marks where a spur of steel has been driven in. It is easy to grind out the song, but to plant these bristling points which make it was the painful task of time.

I don't like to say it,--he continued,--but poets commonly have no larger stock of tunes than hand-organs; and when you hear them piping up under your window, you know pretty well what to expect. The more stops, the better. Do let them all be pulled out in their turn!

So spoke my friend, the Poet, and read me one of his stateliest songs, and after it a gay chanson, and then a string of epigrams. All true,--he said,--all flowers of his soul; only one with the corolla spread, and another with its disk half opened, and the third with the heart-leaves covered up and only a petal or two showing its tip through the calyx. The water-lily is the type of the poet's soul,--he told me.

---What do you think, Sir,--said the divinity-student,--opens the souls of poets most fully?

Why, there must be the internal force and the external stimulus. Neither is enough by itself. A rose will not flower in the dark, and a fern will not flower anywhere.

What do I think is the true sunshine that opens the poet's corolla?--I don't like to say. They spoil a good many, I am afraid; or at least they shine on a good many that never come to anything.

Who are they?--said the schoolmistress.

Women. Their love first inspires the poet, and their praise is his best reward.

The schoolmistress reddened a little, but looked pleased.--Did I really think so?--I do think so; I never feel safe until I have

pleased them; I don't think they are the first to see one's defects, but they are the first to catch the color and fragrance of a true poem. Fit the same intellect to a man and it is a bow-string,--to a woman and it is a harp-string. She is vibratile and resonant all over, so she stirs with slighter musical tremblings of the air about her.-- Ah, me!--said my friend, the Poet, to me, the other day,--what color would it not have given to my thoughts, and what thrice-washed whiteness to my words, had I been fed on women's praises! I should have grown like Marvell's fawn,--

"Lilies without; roses within!"

But then,--he added,--we all think, _if_ so and so, we should have been this or that, as you were saying, the other day, in those rhymes of yours.

---I don't think there are many poets in the sense of creators; but of those sensitive natures which reflect themselves naturally in soft and melodious words, pleading for sympathy with their joys and sorrows, every literature is full. Nature carves with her own hands the brain which holds the creative imagination, but she casts the over-sensitive creatures in scores from the same mould.

There are two kinds of poets, just as there are two kinds of blondes. [Movement of curiosity among our ladies at table.--Please to tell us about those blondes, said the schoolmistress.] Why, there are blondes who are such simply by deficiency of coloring matter,-- _negative_ or _washed_ blondes, arrested by Nature on the way to become albinesses. There are others that are shot through with golden light, with tawny or fulvous tinges in various degree,-- _positive_ or _stained_ blondes, dipped in yellow sunbeams, and as unlike in their mode of being to the others as an orange is unlike a snowball. The albino-style carries with it a wide pupil and a sensitive retina. The other, or the leonine blonde, has an opaline fire in her clear eye, which the brunette can hardly match with her quick, glittering glances.

Just so we have the great sun-kindled, constructive imaginations, and a far more numerous class of poets who have a certain kind of moonlight genius given them to compensate for their imperfection of nature. Their want of mental coloring-matter makes them sensitive to those impressions which stronger minds neglect or never feel at all. Many of them die young, and all of them are tinged with melancholy. There is no more beautiful illustration of the principle of compensation which marks the Divine benevolence than the fact that some of the holiest lives and some of the sweetest songs are the growth of the infirmity which unfits its subject for the rougher duties of life. When one reads the life of Cowper, or of Keats, or of Lucretia and Margaret Davidson,--of so many gentle, sweet natures, born to weakness, and mostly dying before their time,--one cannot help thinking that the human race dies out singing, like the swan in the old story. The French poet, Gilbert, who died at the Hotel Dieu, at the age of twenty-nine,--(killed by a key in his throat, which he

had swallowed when delirious in consequence of a fall,)--this poor fellow was a very good example of the poet by excess of sensibility. I found, the other day, that some of my literary friends had never heard of him, though I suppose few educated Frenchmen do not know the lines which he wrote, a week before his death, upon a mean bed in the great hospital of Paris.

"Au banquet de la vie, infortune convive,
J'apparus un jour, et je meurs;
Je meurs, et sur ma tombe, ou lentement j'arrive,
Nul ne viendra verser des pleurs."

At life's gay banquet placed, a poor unhappy guest,
One day I pass, then disappear;
I die, and on the tomb where I at length shall rest
No friend shall come to shed a tear.

You remember the same thing in other words somewhere in Kirke White's poems. It is the burden of the plaintive songs of all these sweet albino-poets. "I shall die and be forgotten, and the world will go on just as if I had never been;--and yet how I have loved! how I have longed! how I have aspired!" And so singing, their eyes grow brighter and brighter, and their features thinner and thinner, until at last the veil of flesh is threadbare, and, still singing, they drop it and pass onward.

---Our brains are seventy-year clocks. The Angel of Life winds them up once for all, then closes the case, and gives the key into the hand of the Angel of the Resurrection.

Tic-tac! tic-tac! go the wheels of thought; our will cannot stop them; they cannot stop themselves; sleep cannot still them; madness only makes them go faster; death alone can break into the case, and, seizing the ever-swinging pendulum, which we call the heart, silence at last the clicking of the terrible escapement we have carried so long beneath our wrinkled foreheads.

If we could only get at them, as we lie on our pillows and count the dead beats of thought after thought and image after image jarring through the overtired organ! Will nobody block those wheels, uncouple that pinion, cut the string that holds those weights, blow up the infernal machine with gunpowder? What a passion comes over us sometimes for silence and rest!--that this dreadful mechanism, unwinding the endless tapestry of time, embroidered with spectral figures of life and death, could have but one brief holiday! Who can wonder that men swing themselves off from beams in hempen lassos?--that they jump off from parapets into the swift and gurgling waters beneath?--that they take counsel of the grim friend who has but to utter his one peremptory monosyllable and the restless machine is shivered as a vase that is dashed upon a marble floor? Under that building which we pass every day there are strong dungeons, where neither hook, nor bar, nor bed-cord, nor drinking-vessel from which a sharp fragment may be shattered, shall by any chance be seen.

There is nothing for it, when the brain is on fire with the whirling of its wheels, but to spring against the stone wall and silence them with one crash. Ah, they remembered that, the kind city fathers,-- and the walls are nicely padded, so that one can take such exercise as he likes without damaging himself on the very plain and serviceable upholstery. If anybody would only contrive some kind of a lever that one could thrust in among the works of this horrid automaton and check them, or alter their rate of going, what would the world give for the discovery?

----From half a dime to a dime, according to the style of the place and the quality of the liquor,--said the young fellow whom they call John.

You speak trivially, but not unwisely,--I said. Unless the will maintain a certain control over these movements, which it cannot stop, but can to some extent regulate, men are very apt to try to get at the machine by some indirect system of leverage or other. They clap on the breaks by means of opium; they change the maddening monotony of the rhythm by means of fermented liquors. It is because the brain is locked up and we cannot touch its movement directly, that we thrust these coarse tools in through any crevice by which they may reach the interior, and so alter its rate of going for a while, and at last spoil the machine.

Men who exercise chiefly those faculties of the mind which work independently of the will,--poets and artists, for instance, who follow their imagination in their creative moments, instead of keeping it in hand as your logicians and practical men do with their reasoning faculty,--such men are too apt to call in the mechanical appliances to help them govern their intellects.

---He means they get drunk,--said the young fellow already alluded to by name.

Do you think men of true genius are apt to indulge in the use of inebriating fluids?--said the divinity-student.

If you think you are strong enough to bear what I am going to say,-- I replied,--I will talk to you about this. But mind, now, these are the things that some foolish people call dangerous subjects,--as if these vices which burrow into people's souls, as the Guinea-worm burrows into the naked feet of West-Indian slaves, would be more mischievous when seen than out of sight. Now the true way to deal with these obstinate animals, which are a dozen feet long, some of them, and no bigger than a horse-hair, is to get a piece of silk round their heads, and pull them out very cautiously. If you only break them off, they grow worse than ever, and sometimes kill the person that has the misfortune of harboring one of them. Whence it is plain that the first thing to do is to find out where the head lies.

Just so of all the vices, and particularly of this vice of

intemperance. What is the head of it, and where does it lie? For you may depend upon it, there is not one of these vices that has not a head of its own,--an intelligence,--a meaning,--a certain virtue, I was going to say,--but that might, perhaps, sound paradoxical. I have heard an immense number of moral physicians lay down the treatment of moral Guinea-worms, and the vast majority of them would always insist that the creature had no head at all, but was all body and tail. So I have found a very common result of their method to be that the string slipped, or that a piece only of the creature was broken off, and the worm soon grew again, as bad as ever. The truth is, if the Devil could only appear in church by attorney, and make the best statement that the facts would bear him out in doing on behalf of his special virtues, (what we commonly call vices,) the influence of good teachers would be much greater than it is. For the arguments by which the Devil prevails are precisely the ones that the Devil-queller most rarely answers. The way to argue down a vice is not to tell lies about it,--to say that it has no attractions, when everybody knows that it has,--but rather to let it make out its case just as it certainly will in the moment of temptation, and then meet it with the weapons furnished by the Divine armory. Ithuriel did not spit the toad on his spear, you remember, but touched him with it, and the blasted angel took the sad glories of his true shape. If he had shown fight then, the fair spirits would have known how to deal with him.

That all spasmodic cerebral action is an evil is not perfectly clear. Men get fairly intoxicated with music, with poetry, with religious excitement,--oftenest with love. Ninon de l'Enclos said she was so easily excited that her soup intoxicated her, and convalescents have been made tipsy by a beef-steak.

There are forms and stages of alcoholic exaltation, which, in themselves, and without regard to their consequences, might be considered as positive improvements of the persons affected. When the sluggish intellect is roused, the slow speech quickened, the cold nature warmed, the latent sympathy developed, the flagging spirit kindled,--before the trains of thought become confused, or the will perverted, or the muscles relaxed,--just at the moment when the whole human zoephyte flowers out like a full-blown rose, and is ripe for the subscription-paper or the contribution box,--it would be hard to say that a man was at that very time, worse, or less to be loved, than when driving a hard bargain with all his meaner wits about him. The difficulty is, that the alcoholic virtues don't wash; but until the water takes their colors out, the tints are very much like those of the true celestial stuff.

[Here I was interrupted by a question which I am very unwilling to report, but have confidence enough in those friends who examine these records to commit to their candor.]

A person at table asked me whether I "went in for rum as a steady drink?"--His manner made the question highly offensive, but I restrained myself, and answered thus:--

Rum I take to be the name which unwashed moralists apply alike to the product distilled from molasses and the noblest juices of the vineyard. Burgundy "in all its sunset glow" is rum. Champagne, "the foaming wine of Eastern France," is rum. Hock, which our friend, the Poet, speaks of as:

"The Rhine's breastmilk, gushing cold and bright,
Pale as the moon, and maddening as her light,"

is rum. Sir, I repudiate the loathsome vulgarism as an insult to the first miracle wrought by the Founder of our religion! I address myself to the company.--I believe in temperance, nay, almost in abstinence, as a rule for healthy people. I trust that I practise both. But let me tell you, there are companies of men of genius into which I sometimes go, where the atmosphere of intellect and sentiment is so much more stimulating than alcohol, that, if I thought fit to take wine, it would be to keep me sober.

Among the gentlemen that I have known, few, if any, were ruined by drinking. My few drunken acquaintances were generally ruined before they became drunkards. The habit of drinking is often a vice, no doubt,--sometimes a misfortune,--as when an almost irresistible hereditary propensity exists to indulge in it,--but oftenest of all a punishment.

Empty heads,--heads without ideas in wholesome variety and sufficient number to furnish food for the mental clockwork,--ill-regulated heads, where the faculties are not under the control of the will,--these are the ones that hold the brains which their owners are so apt to tamper with, by introducing the appliances we have been talking about. Now, when a gentleman's brain is empty or ill-regulated, it is, to a great extent, his own fault; and so it is simple retribution, that, while he lies slothfully sleeping or aimlessly dreaming, the fatal habit settles on him like a vampyre, and sucks his blood, fanning him all the while with its hot wings into deeper slumber or idler dreams! I am not such a hard-souled being as to apply this to the neglected poor, who have had no chance to fill their heads with wholesome ideas, and to be taught the lesson of self-government. I trust the tariff of Heaven has an ad valorem scale for them,--and all of us.

But to come back to poets and artists;--if they really are more prone to the abuse of stimulants,--and I fear that this is true,--the reason of it is only too clear. A man abandons himself to a fine frenzy, and the power which flows through him, as I once explained to you, makes him the medium of a great poem or a great picture. The creative action is not voluntary at all, but automatic; we can only put the mind into the proper attitude, and wait for the wind, that blows where it listeth, to breathe over it. Thus the true state of creative genius is allied to reverie, or dreaming. If mind and body were both healthy, and had food enough and fair play, I doubt whether any men would be more temperate than the imaginative classes.

But body and mind often flag,--perhaps they are ill-made to begin with, underfed with bread or ideas, over-worked, or abused in some way. The automatic action, by which genius wrought its wonders, fails. There is only one thing which can rouse the machine; not will,--that cannot reach it; nothing but a ruinous agent, which hurries the wheels awhile and soon eats out the heart of the mechanism. The dreaming faculties are always the dangerous ones, because their mode of action can be imitated by artificial excitement; the reasoning ones are safe, because they imply continued voluntary effort.

I think you will find it true, that, before any vice can fasten on a man, body, mind, or moral nature must be debilitated. The mosses and fungi gather on sickly trees, not thriving ones; and the odious parasites which fasten on the human frame choose that which is already enfeebled. Mr. Walker, the hygeian humorist, declared that he had such a healthy skin it was impossible for any impurity to stick to it, and maintained that it was an absurdity to wash a face which was of necessity always clean. I don't know how much fancy there was in this; but there is no fancy in saying that the lassitude of tired-out operatives, and the languor of imaginative natures in their periods of collapse, and the vacuity of minds untrained to labor and discipline, fit the soul and body for the germination of the seeds of intemperance.

Whenever the wandering demon of Drunkenness finds a ship adrift,--no steady wind in its sails, no thoughtful pilot directing its course,--he steps on board, takes the helm, and steers straight for the maelstrom.

---I wonder if you know the _terrible smile_? [The young fellow whom they call John winked very hard, and made a jocular remark, the sense of which seemed to depend on some double meaning of the word _smile_. The company was curious to know what I meant.]

There are persons--I said--who no sooner come within sight of you than they begin to smile, with an uncertain movement of the mouth, which conveys the idea that they are thinking about themselves, and thinking, too, that you are thinking they are thinking about themselves,--and so look at you with a wretched mixture of self-consciousness, awkwardness, and attempts to carry off both, which are betrayed by the cowardly behavior of the eye and the tell-tale weakness of the lips that characterize these unfortunate beings.

---Why do you call them unfortunate, Sir?--asked the divinity-student.

Because it is evident that the consciousness of some imbecility or other is at the bottom of this extraordinary expression. I don't think, however, that these persons are commonly fools. I have known a number, and all of them were intelligent. I think nothing conveys the idea of _underbreeding_ more than this self-betraying smile. Yet I think this peculiar habit, as well as that of _meaningless blushing_,

may be fallen into by very good people who meet often, or sit opposite each other at table. A true gentleman's face is infinitely removed from all such paltriness,--calm-eyed, firm-mouthed. I think Titian understood the look of a gentleman as well as anybody that ever lived. The portrait of a young man holding a glove in his hand, in the Gallery of the Louvre, if any of you have seen that collection, will remind you of what I mean.

---Do I think these people know the peculiar look they have?--I cannot say; I hope not; I am afraid they would never forgive me, if they did. The worst of it is, the trick is catching; when one meets one of these fellows, he feels a tendency to the same manifestation. The Professor tells me there is a muscular slip, a dependence of the _platysma myoides_, which is called the _risorius Santorini_.

---Say that once more,--exclaimed the young fellow mentioned above.

The Professor says there is a little fleshy slip called Santorini's laughing-muscle. I would have it cut out of my face, if I were born with one of those constitutional grins upon it. Perhaps I am uncharitable in my judgment of those sour-looking people I told you of the other day, and of these smiling folks. It may be that they are born with these looks, as other people are with more generally recognized deformities. Both are bad enough, but I had rather meet three of the scowlers than one of the smilers.

---There is another unfortunate way of looking, which is peculiar to that amiable sex we do not like to find fault with. There are some very pretty, but, unhappily, very ill-bred women, who don't understand the law of the road with regard to handsome faces. Nature and custom would, no doubt, agree in conceding to all males the right of at least two distinct looks at every comely female countenance, without any infraction of the rules of courtesy or the sentiment of respect. The first look is necessary to define the person of the individual one meets so as to avoid it in passing. Any unusual attraction detected in a first glance is a sufficient apology for a second,--not a prolonged and impertinent stare, but an appreciating homage of the eyes, such as a stranger may inoffensively yield to a passing image. It is astonishing how morbidly sensitive some vulgar beauties are to the slightest demonstration of this kind. When a _lady_ walks the streets, she leaves her virtuous-indignation countenance at home; she knows well enough that the street is a picture-gallery, where pretty faces framed in pretty bonnets are meant to be seen, and everybody has a right to see them.

---When we observe how the same features and style of person and character descend from generation to generation, we can believe that some inherited weakness may account for these peculiarities. Little snapping-turtles snap--so the great naturalist tells us--before they are out of the egg-shell. I am satisfied, that, much higher up in the scale of life, character is distinctly shown at the age of --2 or --3 months.

---My friend, the Professor, has been full of eggs lately. [This remark excited a burst of hilarity, which I did not allow to interrupt the course of my observations.] He has been reading the great book where he found the fact about the little snapping-turtles mentioned above. Some of the things he has told me have suggested several odd analogies enough.

There are half a dozen men, or so, who carry in their brains the _ovarian eggs_ of the next generation's or century's civilization. These eggs are not ready to be laid in the form of books as yet; some of them are hardly ready to be put into the form of talk. But as rudimentary ideas or inchoate tendencies, there they are; and these are what must form the future. A man's general notions are not good for much, unless he has a crop of these intellectual ovarian eggs in his own brain, or knows them as they exist in the minds of others. One must be in the _habit_ of talking with such persons to get at these rudimentary germs of thought; for their development is necessarily imperfect, and they are moulded on new patterns, which must be long and closely studied. But these are the men to talk with. No fresh truth ever gets into a book.

"----A good many fresh lies get in, anyhow",--said one of the company.

I proceeded in spite of the interruption.--All uttered thought, my friend, the Professor, says, is of the nature of an excretion. Its materials have been taken in, and have acted upon the system, and been reacted on by it; it has circulated and done its office in one mind before it is given out for the benefit of others. It may be milk or venom to other minds; but, in either case, it is something which the producer has had the use of and can part with. A man instinctively tries to get rid of his thought in conversation or in print so soon as it is matured; but it is hard to get at it as it lies imbedded, a mere potentiality, the germ of a germ, in his intellect.

----Where are the brains that are fullest of these ovarian eggs of thought?--I decline mentioning individuals. The producers of thought, who are few, the "jobbers" of thought, who are many, and the retailers of thought, who are numberless, are so mixed up in the popular apprehension, that it would be hopeless to try to separate them before opinion has had time to settle. Follow the course of opinion on the great subjects of human interest for a few generations or centuries, get its parallax, map out a small arc of its movement, see where it tends, and then see who is in advance of it or even with it; the world calls him hard names probably; but if you would find the man of the future, you must look into the folds of his cerebral convolutions.

[The divinity-student looked a little puzzled at this suggestion, as if he did not see exactly where he was to come out, if he computed his arc too nicely. I think it possible it might cut off a few corners of his present belief, as it has cut off martyr-burning and

witch-hanging;--but time will show,--time will show, as the old gentleman opposite says.]

---Oh,--here is that copy of verses I told you about.

SPRING HAS COME.

Intra Muros.

The sunbeams, lost for half a year,
Slant through my pane their morning rays;
For dry Northwesters cold and clear,
The East blows in its thin blue haze.

And first the snowdrop's bells are seen,
Then close against the sheltering wall
The tulip's horn of dusky green,
The peony's dark unfolding ball.

The golden-chaliced crocus burns;
The long narcissus-blades appear;
The cone-beaked hyacinth returns,
And lights her blue-flamed chandelier.

The willow's whistling lashes, wrung
By the wild winds of gusty March,
With willow leaflets lightly strung,
Are swaying by the tufted larch.

The elms have robed their slender spray
With full-blown flower and embryo leaf;
Wide o'er the clasping arch of day
Soars like a cloud their hoary chief.

--See the proud tulip's flaunting cup,
That flames in glory for an hour,--
Behold it withering,--then look up,--
How meek the forest-monarch's flower!--

When wake the violets, Winter dies;
When sprout the elm-buds, Spring is near;
When lilacs blossom, Summer cries,
"Bud, little roses! Spring is here!"

The windows blush with fresh bouquets,
Cut with the May-dew on their lips;
The radish all its bloom displays,
Pink; as Aurora's finger-tips.

Nor less the flood of light that showers
On beauty's changed corolla-shades,--
The walks are gay as bridal bowers
With rows of many-petalled maids.

The scarlet shell-fish click and clash
In the blue barrow where they slide;
The horseman, proud of streak and splash,
Creeps homeward from his morning ride.

Here comes the dealer's awkward string,
With neck in rope and tail in knot,--
Rough colts, with careless country-swing,
In lazy walk or slouching trot.

--Wild filly from the mountain-side,
Doomed to the close and chafing thills,
Lend me thy long, untiring stride
To seek with thee thy western hills!

I hear the whispering voice of Spring,
The thrush's trill, the cat-bird's cry,
Like some poor bird with prisoned wing
That sits and sings, but longs to fly.

Oh for one spot of living green,--
One little spot where leaves can grow,--
To love unblamed, to walk unseen,
To dream above, to sleep below!

* * * * *

THE PRESIDENT'S PROPHECY OF PEACE.

There was joy in the national palace on the eve of May-day. The heart of the Chief of Thirty Millions was full of gladness. It was a high holiday at the capital of the nation. Jubilant processions crowded the streets. The boom of cannon told to the heavens that some great event, full of glory and of blessing, was just happily born into the history of the world. Strains of triumphant music at once expressed and stirred afresh the rapture which the new fruition of a deferred and doubting hope had kindled in myriad breasts. Rejoicing multitudes swarmed before the palace gate, and with congratulatory shouts compelled the presence of the Nation's Head. He stood before them proud and happy, and answered to the transports of their joy with a responsive sympathy. He rejoiced in the prospect of the peace and prosperity with which the occasion of this jubilee was to cheer and bless the land in all its borders. His chosen friends and counsellors surrounded him and echoed his prophecies of good. A kindred homage was next paid to the virtuous artificers of the new-wrought blessing, without whose shaping hands it would have perished before the sight, or taken some dreadful form of mischief and of horror. Their words of cheer and exultation, too, swelled the surging tide of patriotic emotion till it overflowed again. Thus with the thunder of artillery, with the animating sound of drum and

trumpet, with the more persuasive music of impassioned words, with shoutings and with revelry, these jocund compeers, from the highest to the lowest, mingled into one by the alchemy of a common joy, chased the hours of that memorable night and gave strange welcome to the morn of May.

What great happiness had just befallen, which should thus transport with joy the chief magistrate of a mighty nation, and send an answering pulse of rapture through all the veins of his capital? The armies of the Republic had surely just returned in triumph from some dubious battle joined with a barbarian invader who threatened to trample all her cherished rights, and the institutions which are their safeguard, under his iron heel. Perhaps the Angel of Mercy had at length set again the seals upon some wide-wasting pestilence which had long been walking in darkness, with Terror going before her and Death following after. Or was it the desolating course of Famine that had been stayed, as it swept, gaunt and hungry, over the land, and consumed its inhabitants from off its face? Peradventure, the prayers of holy men had prevailed, and the heavens which had been as brass were melted, and the earth which had been but ashes revived again, a living altar, crowned afresh with flowers, and prophetic of the thank-offerings of harvests. Or it might be that a great discoverer had added a new world to the domain of human happiness, by some invention which should lighten the toils and multiply the innocent satisfactions of mankind. Or had virtue and intelligence won some signal victory over barbarism and ignorance, and blessed with liberty and knowledge regions long abandoned to despotism and to darkness? These had been, indeed, occasions on which the chief ruler of a great people might fitly lead the anthem of a nation's thanksgiving.

But the joy which thus overflowed the hearts of President and people at the metropolis of our politics, and which has sprinkled with its cordial drops kindred spirits scattered far and wide over the land, welled up from no wholesome sources such as these. It was no deliverance from barbarous enemies, from pestilential disease, from meagre famine, that moved those raptures,--no joy at ignorance dissipated, barbarism dispelled, or tyranny put down. The "peace" and the "prosperity," the prophecy of which was so sweet to the souls that took sweet counsel together on that night, were of a kind which only souls tuned to such unison and so subtly trained could fully comprehend and rightly estimate. This gentle peace, thus joyfully presaged, is to be won by the submission of an inchoate State to a form of government subjecting its inhabitants to institutions abhorrent to their souls and fatal to their prosperity, forced upon them at the point of the bowie-knife and the muzzle of the revolver by hordes of sordid barbarians from a hostile soil, their natural and necessary enemies. And the sweet harbinger of this blessed peace, the halcyon which broods over the stormy waves and tells of the calm at hand, is a bribe so cunningly devised that its contrivers firmly believe it will buy up the souls of these much-injured men, and reconcile them to the shame and infamy of trading away their lights and their honor as the boot of a dirty

bargain in the land-market. And the "prosperity" which is to wait upon this happy "peace" glows with a like golden promise. It is a prosperity that shall bless Kansas into a Virginia or a North Carolina by virtue of the same means which has crowned the Slave-country with the wealth, the civilization, and the intelligence it has to brag of. It is such a prosperity as ever follows after the footsteps of Slavery,--a prosperity which is to blight the soil, degrade the minds, debauch the morals, impoverish the substance, and subvert the independence of a loathing population, if the joy of the President and his directors is to be made full. Such is the message of peace and good-will which thrilled with prophetic raptures the hearts which flowed together on that happy night, and such the blessed prospects which made the air of Washington vocal with the ecstasies of triumph.

The history of the world is full enough of illustrations of "the Art of making a Great Kingdom a Small One." The art of degrading the imperial idea of a true republic from its just preeminence among the polities of mankind, of quenching the principles of eternal right which are the star-points of its divine crown, of trailing the shining whiteness of its robes in the dust, and making it an object of contempt rather than of adoration, has never been taught more emphatically than in the examples furnished by our own later annals. If Mr. Buchanan and his predecessor had set themselves to work, of good set purpose, to bring republican institutions into derision, and to prove that the American experiment was a dead failure, they could not have proceeded more cunningly with their task. Their aim has been, as it has seemed, to give the lie to all the principles on which it has been assumed that these institutions rest, and to show that their real object is to subject the many to the government of the few, as the manner is of the nations round about. The thin veil of decent falsehood, under which the caution of earlier time had decorously hid this fact, has been torn aside by the rude intrepidity of assurance which long-continued success had fostered. The problem to be solved being to prove the chief axiom of our political science, that the people have a right to self-government and to the choice of their own institutions, to be a lie, it is worked out in the presence of an admiring world, after this fashion.

The old Ordinance--which set limits to Slavery, and which, as it preceded the Constitution, should in honor and equity be taken as a condition precedent to it, and the later pledge of the South, that this contract should be sacredly kept on the other side of a certain parallel of latitude, having both been infamously violated for the sake of extending the domain of Slavery into regions solemnly dedicated to Liberty, the entire energies of the General Government and of the political party it represented were put forth to crystallize this double lie into the institutions of Kansas, and thus take it out of the category of theory and reduce it into that of fact. The reluctance of the inhabitants of the young Territory went for nothing, and provision was soon effectually made to overcome their resistance. Every form of terrorism, to which tyrants

all alike instinctively resort to disarm resistance to their will, was launched at the property, the lives, and the happiness of the defenceless settlers. Hordes of barbarians, as we have said before, from every part of the Southern hive, but especially from the savage tribes of the bordering Missouri, poured themselves over the devoted land. Murder, arson, robbery, every outrage that could be offered to man or woman, waited on their footsteps and stalked abroad with them in their forays against Freedom. When the first steps were to be taken towards the organization of a government, they precipitated themselves upon the Territory in fiercer numbers. They made themselves masters of the polling-places; they drove away by violence and threats the peaceable inhabitants and lawful voters, and by open force and unblushing fraud elected themselves or their creatures the lawgivers of the commonwealth about to be created. So outrageous were the crimes of these miscreants at this and subsequent periods, that even the very creatures of Pierce and Buchanan, chosen especially for their supposed fitness to assist in these villainies, turned away, one after another, sickened at the sight of them, and forfeited forever the favor of their masters by shrinking from an unqualified and unhesitating obedience.

The Constitution, contrived by the wretches thus nefariously clothed in the stolen sovereignty of the true inhabitants of Kansas, of course made Slavery an integral part of the institutions of the State. A code of laws was enacted absolutely without parallel in the history of the world for insolent trampling down of rights and for bloody cruelty of penalties,--laws so abominable as even to call down upon them, from his place in the Senate, the emphatic condemnation of so veteran a soldier in the service of Slavery as General Cass, now Mr. Buchanan's Secretary of State. These Territorial laws, thus infamously vile, thus made in defiance of the well-known will of the great majority of the people of Kansas, Mr. Pierce hastened to recognize as the authentic expression of the mind of the people there, and exerted all the moral and all the physical force of the government to maintain them in their authority. Since that magistrate was kicked aside as no longer available for the uses of Slavery, because of the very infamy he had won in its service, Mr. Buchanan, unlessoned by his fate, has adopted his views and carried out his policy.

We do not propose to follow this march of shameful events step by step, nor to speak of them in their exact chronological order, nor yet to specify to which of these magistrates the credit of any one of them belongs, inasmuch as the philosophy and method of the policy of the one and the other are absolutely identical. We have space only to glance at unquestionable facts, and to trace them to their necessary motives. To maintain the supremacy of this usurpation, and the Draconic laws made under it, Mr. Pierce poured in the squadrons of the Republic, to dragoon the rebellious freemen into obedience to what their souls abhorred, and what their reason told them was of no more just binding force upon them than an edict of the Emperor of China. When the actual inhabitants of the Territory had met in Convention and framed a Constitution excluding Slavery, and had

adopted it, and the legislature authorized by it met, its members were dispersed by national soldiers, detailed to compel submission to the behests of the Slavemastery of the Government and of the nation. These troops have been kept on foot ever since, to intimidate the people, to assist as special police in the arrest and detention of political prisoners charged with crimes against the Usurpation, and to sustain the Federal governors and judges in carrying out their instructions for the Subjugation of the majority by legal chicane or by military violence.

Such was the genesis of the Lecompton Constitution, and such the nursing it had received at the hands of the paternal government at Washington. In due course of time it was presented to Congress as the charter under which the people of Kansas asked to receive the concession of their right of State government; and the scene of war was forthwith transferred from those distant fields to the chambers of national legislation, under the immediate eye of the chief of the state. This high officer soon dispelled any delusive doubts which, for the purpose of securing his election, he had permitted to be ventilated during the late Presidential campaign, that he would at least see fair play in the struggle between Slavery and Freedom in Kansas. With indecent zeal and unscrupulous partisanship, he concentrated all the energies of his administration, and employed the whole force of the influence and the patronage of the nation, to obtain the indorsement by Congress of the Lecompton Constitution, and thus to compel the people of Kansas to pass under the yoke of their Slaveholding invaders. The true origin and character of that vile fabrication had been made plain to every eye that was willing to see, and the abhorrence in which it was held by nearly the entire population of the Territory put beyond question by more than one trial vote. Yet it was embraced as the test measure of the Administration to prove the unbroken fealty of the President to the Power which is mightier than he. Victory was reckoned upon in advance, as certain and easy. A servile, or rather a commanding majority in the Senate,--nearly half of that body being of the class that rules the rulers,--was ready to do whatever dirty and detestable work was demanded of them. A majority of more than thirty in the House, elected as supporters of the Administration, seemed to make success there also an inevitable necessity. But by reason of the vastly larger proportion of members from the Free States in that body, and their greater nearness to their constituents, these reasonable expectations were disappointed. Men who had taken service in the Democratic ranks, and had been faithful unto that day, refused to obey the word of command when it took this tone and was informed with this purpose. And for a season the plague was stayed, and sanguine hearts trusted that it was stayed forever.

We are willing to believe that the bulk of the Democrats in both Houses of Congress, who had the virtue to defy the threats and cajolements of their party-leaders, when this great public crime was demanded at their hands, were sincere in the resistance they opposed to this subversion of all the principles in which they had been bred, and of which their party had always professed to be the special

defence and guard. But the mantle of our charity is not wide enough to cover up the base treachery of those men who, acknowledging and demonstrating the right, devised or consented to the villany which was to crush or to cripple it. That the final shape which the Lecompton juggler took was an invention of the enemy, cunningly contrived to win by indirection what was too dangerous to be attempted by open violence, is a conclusion from which no candid mind can escape, after a full consideration of the case. The defection of so large a body of Northern Democrats from the side of the Slaveholding Directory was doubtless a significant and startling fact, suggestive of dangerous insubordination on the part of allies who had ever been found sure and steadfast in every jeopardy of Slavery. And it made a resort to guile necessary to carry the point which it was not prudent to press to the extremity of force. The Slaveholders are not fastidious as to the means by which they reach their end. Though they might have preferred to hew their way to their design with a high hand, and to put down all opposition by bought or bullied majorities, backed by the strong arm of the nation, yet they never refuse to compromise and palter when the path to success lies through stratagems or frauds. The skill in this instance, as in all others, by which they propose to win everything under the show of yielding somewhat, is worthy of Machiavel or of Lucifer, and is far above the capacity of the paltry Northern tool who is permitted to enjoy the infamy of the invention which he was employed to utter. The Slaveholders, like other despots, do their dirty work by proxy, and scorn the wretched instruments they use, and then fling from them in disgust.

The Lecompton cheat having been defeated in the House after it had received the indorsement of the Senate, the two coordinates were at issue, and it seemed for a brief time to have met with the fate it merited. But cunning and treachery combined to put it into the hands of a Committee of Conference to be manipulated afresh, and, if possible, moulded into a shape that might give Democratic recusants an excuse for treason to the North and submission to the Power that demanded it. And the invention was worthy of the diabolical sagacity and ingenuity which have always marked the politics of Slavery. The maxim, that every man has his price, was assumed to apply as well to men when collected into bodies corporate as to individuals; and the hook, with which the souls of the men of Kansas are to be fished for, was baited with a bribe the most tempting to their hungry needs. And to make their capture the more sure, an answering menace threatens them on the other hand, to force them to swallow the barbed treachery. They are offered no opportunity of expressing their assent or dissent as to the Constitution held over their heads. Their enemies know too well what its fate would be, if offered, pure and simple, to their acceptance or refusal. They are only to say whether or not they will accept five million acres of land that Congress munificently offers them for the construction of their railways. If they say, "Yes, thank you," to this simple question, the Chief Conjuror of the nation, the great Medicine Man of our tribe, the Head Magician of our Egypt, will only have to say, "Presto pass," and they will find themselves a Slave State in the glorious Union,

under a solemn contract, struck by this same act, to endure Slavery for six years to come. If they say, "No, we won't," the door of the Union is shut in their faces, and they are told to wait without in all the bleakness of Territorial dependency, subject to the laws now afflicting them, with a satrap sent down from Washington to rule over them, and with Lecomptes and Catos to decree justice for them, until swindling tools of the Administration shall be instructed to allow the presence of a sufficient population to entitle a State to a Representative.

If they consent to be erected into a Slave State by accepting the bribe, they will come into the Union by a puff of Presidential breath, though having only forty thousand inhabitants, with two Senators and a Representative, and all the advantages incident to Federal connection and patronage. Should they reject it, they will be left, it may be, to years of Territorial annoyance, and the annoyance of a Slave Territory, too, till Government officials shall discover their numbers to amount to near a hundred thousand, and possibly to much more, after the next census has newly apportioned the House. With Slavery, they have proffered to them broad lands to help cover their wide expanse with an iron reticulation of railways, developing their resources and multiplying their material prosperity, at the slight cost of their consistency and their honor. Without it, they may have to stand shivering at the gate of the Union, blasted by the "cold shade" of our American aristocracy, and far removed from the genial sunshine of national favor and bounty. Truly did Senator Wilson say that Congress approached Kansas at once with a bribe and a threat. Never was the devilish cunning of Slaveholding politics more strikingly illustrated than by the insidious vileness of this proposition. It had been bad enough, surely, had we been called upon to rejoice, as over a great triumph of the right, at the concession to Kansas of the sovereignty of settling her own institutions in her own way, had such been granted. Nothing could be more simple and natural, in a case of conflicting assertions and opposite beliefs as to the state of opinion there, than to remit the decision of the doubt to a fresh vote. Had any other interest than that in human beings been involved, such a disposition of the whole matter would have excited neither remark nor opposition. Nothing, perhaps, could exemplify the control Slavery has obtained over the affairs of the country more strongly than the power it has had to hinder this simple remedy of an alleged wrong or error,--and this, by procuring the defection of sordid Northern Representatives from what they confessed to be the right, to this corrupt evasion,--an evasion designed to fit the people of Kansas for servitude by tempting them to sacrifice their self-respect and their honor. Let these miscreants make haste to seize the price of their perfidy before popular contempt and loathing shall sweep them forever out of sight into the abyss of infamy and forgetfulness which is appointed for the traitors to Liberty. If the question of the real will of the people of Kansas had been referred back to them for settlement, it would have been humiliating enough to have had to exult over it as a victory of Freedom. With what depth of shame, then, should we contemplate the compassing of their end by the Slavocrats, through

the venal surrender of the rights so long and so manfully asserted,
for so paltry a temptation!

But we do not apprehend a consummation so devoutly to be deprecated. We believe that the people of Kansas will spurn the bribe and refuse to eat the dirt that is set before them for a banquet. They will reject the insulting proffer with contempt, and fall back upon their reserved right of resistance, passive or active, as their circumstances may advise. They will not be so base as to desert the post of honor they have sought in the great fight for freedom and maintained so long and so well, disappointing and throwing into confusion the distant allies who have stood behind them in their most evil hours, for all the lands that President and Congress have to give. It is, indeed, a momentous crisis for them, and we have faith to believe that they will not be wanting to its demands. The eyes of the lovers of liberty everywhere are earnestly watching to see how they will come out from the ordeal by fire and by gold to which they are subjected. What Boston was in 1775, and Paris in 1789, is Kansas now,--the field on which a great battle for the right is to be fought. Honor or infamy attends the issue of her action in the dilemma in which the crafty malice of her enemies has placed her. If she agree to take the dirty acres which are proffered to her as the price of her integrity, she consents to take the yoke of Slavery upon her neck and not even to attempt to shake herself free from it for six years to come. We know that shuffling Democrats, and even temporizing Republicans, represent that the people, after accepting the Lecompton Constitution, can forthwith summon a Convention and substitute another scheme of government in its stead. But this could be initiated only by a breach of the promise they would have just pledged, and could be carried through only by a revolution. Such a course would be a direct violation of the philosophy of Constitutional Government, which assumes as its fundamental axiom, that Constitutions can be altered only in the way and according to the conditions prescribed in themselves. Such a proceeding would be a *_coup d'etat_*, not as flagitious certainly as that of Bonaparte, but to the full as revolutionary and illegal. And we may be sure that the arm of the United States Government would not be shortened so that it should not interpose and hinder such a defiance of itself and the Power whose instrument it is. With servile and corrupt judges at its beck and a majority in Congress within its purchase, the occasion and means of such an interference would be readily devised and supplied.

We believe that this line of policy would lead to an armed collision with the General Government. It is for the oppressed inhabitants of any country to say when their wrongs have reached the height which justifies the drawing of the civil sword. We have neither the right nor the disposition to advise the people of Kansas in a matter so emphatically their own. But there is another way of coming to this arbitrament,--inevitable, if they deviate a hair's-breadth from the strict line of law,--should they deem there is no other remedy for their wrongs. The admirable Constitution just framed at Leavenworth, one well worthy of a free people that has been tried as with fire,

will be adopted before these lines are before the public eye. Let them reject the Buchanan-English swindle, put their heel on the Lecompton fraud, set up the Leavenworth Constitution, and erect a State government under it in defiance of the Territorial Usurpation, and they will soon find themselves face to face with the tyranny at Washington. But is there not reason to hope that firmness and patience may yet win the battle for freedom without resorting to so serious an alternative? Is it indeed inevitable that Kansas must remain out of the pale of the Union, under the oppression of the Territorial laws, until the hirelings of the Government shall have determined that slaves enough have been poured in to decide the complexion of the new State, and shall authorize her to ask for admission? We are told that the joy at Washington and elsewhere over this "settlement" of the Kansas difficulty was because it was taken out of Congress, and "Agitation" at an end. But what is to hinder its being brought into Congress again?--and whose fault will it be, if Agitation do not survive and grow mightier unto the victory? If the present Congress can shut its doors against this intruder, its power dies with itself, and it greatly lies with the people of Kansas to make the next Congress one that shall rehabilitate them in their rights. Their conduct at this pregnant moment may settle the proximate destiny of the Republic, and decide whether the Slave Power is to rule us by its underlings for four years more, or whether its pride is to have a fall and its insolence a rebuke in 1860.

We all remember how often the Agitation of the Slavery question has been done to death in Congress, and how sure it was to appear again to startle its murderers from their propriety. Like "the blood-boltered Banquo," it would confront again the eyes that had hoped to look upon it no more. It would come back:

"With twenty mortal murders on its head
To push them from their stools!"

And this dreaded spectre, though a beneficent angel with healing on his wings in truth, will push yet many traitorous or cowardly sycophants from the stools they disgrace, and substitute in their stead men who will quiet Agitation by Justice. Let the men of Kansas remember that a yet greater trust than that of providing for their own interests and rights is in their hands. The battle they are to fight in this quarrel is for the whole North, for the whole country, for the world. Let them address themselves unto it with calmness, with prudence, with watchfulness, with courage. They are beset on every side by crafty and desperate enemies. Greedy land-jobbers, in haste to be rich, will try to persuade them that not to be innocent is to be wise. Timid timeservers will urge a submission which promises peace, though it be but a solitude that is called so. Rampant Pro-slavery will exalt its horn against Righteousness and try again the virtue of ruffianism to prevail against civilization. The barbarians will hang anew upon the borders, ready to complete the conquest they began so well. And above all, a majority of the men who are to pass upon the votes are the creatures of the

Administration, who know, by the example of their predecessors, that the suspicion of honesty will be fatal to all their hopes of preferment, and that they can purchase reward only by procuring, *_quocunque modo_*, the acceptance of the proposition of Congress. But still the power is in the hands of the Free-State men, if they choose to put it forth. Let them organize such a scrutiny everywhere, that fraud and violence cannot escape detection and exposure. Let them observe most rigidly all the technical rules imposed upon the electors, that no vote may be lost. Let them come to the polls by thousands, and trample under their feet the shabby bribe for which they are asked to trade away their independence and their virtue. Let them be thus faithful, and never be weary of maintaining the Agitation, which is proved, by the very dread their enemies have of it, to be the way to their victory. Thus they will be sure to triumph, conquering their right to create their own government, and erect a free commonwealth on the ruins of the tyranny they have overthrown. And Kansas, at no distant period, will be welcomed by her Free Sisters to her place among them, with no stain of bribes in her hands, and with no soil of meanness upon her garments. And then the "peace" and "prosperity," which President Buchanan saw in vision on the eve of May-day, will indeed prevail and be established, while the blackness of infamy will brood forever over the memory of the magistrate who used the highest office of the Republic to perpetuate the wrongs of the Slave by the sacrifice of the rights of the Citizen.

LITERARY NOTICES.

Library of Old Authors.--Works of John Webster. London: John Russell Smith. 1856-57.

We turn now to Mr. Hazlitt's edition of Webster. We wish he had chosen Chapman; for Mr. Dyce's Webster is hardly out of print, and, we believe, has just gone through a second and revised edition. Webster was a far more considerable man than Marston, and infinitely above him in genius. Without the poetic nature of Marlowe, or Chapman's somewhat unwieldy vigor of thought, he had that inflammability of mind which, untempered by a solid understanding, made his plays a strange mixture of vivid expression, incoherent declamation, dramatic intensity, and extravagant conception of character. He was not, in the highest sense of the word, a great dramatist. Shakspeare is the only one of that age. Marlowe had a rare imagination, a delicacy of sense that made him the teacher of Shakspeare and Milton in versification, and was, perhaps, as purely a poet as any that England has produced; but his mind had no balance-wheel. Chapman abounds in splendid enthusiasms of diction, and now and then dilates our imaginations with suggestions of profound poetic depth. Ben Jonson was a conscientious and intelligent workman, whose plays glow, here and there, with the golden pollen of that poetic feeling with which his age impregnated all thought and

expression; but his leading characteristic, like that of his great namesake, Samuel, was a hearty common sense, which fitted him rather to be a great critic than a great poet. He had a keen and ready sense of the comic in situation, but no humor. Fletcher was as much a poet as fancy and sentiment can make any man. Only Shakspeare wrote comedy and tragedy with truly ideal elevation and breadth. Only Shakspeare had that true sense of humor which, like the universal solvent sought by the alchemists, so fuses together all the elements of a character, (as in *Falstaff*,) that any question of good or evil, of dignified or ridiculous, is silenced by the apprehension of its thorough humanity. Rabelais shows gleams of it in *Panurge*; but, in our opinion, no man ever possessed it in an equal degree with Shakspeare, except Cervantes; no man has since shown anything like an approach to it, (for Moliere's quality was comic power rather than humor,) except Sterne, Fielding, and Richter. Only Shakspeare was endowed with that healthy equilibrium of nature whose point of rest was midway between the imagination and the understanding,--that perfectly unruffled brain which reflected all objects with almost inhuman impartiality,--that outlook whose range was ecliptical, dominating all zones of human thought and action,--that power of verisimilar conception which could take away *Richard III* from History, and *Ulysses* from Homer,--and that creative faculty whose equal touch is alike vivifying in *Shallow* and in *Lear*. He alone never seeks in abnormal and monstrous characters to evade the risks and responsibilities of absolute truthfulness, nor to stimulate a jaded imagination by Caligulan horrors of plot. He is never, like many of his fellow-dramatists, confronted with unnatural Frankensteins of his own making, whom he must get off his hands as best he may. Given a human foible, he can incarnate it in the nothingness of *Slender*, or make it loom gigantic through the tragic twilight of *Hamlet*. We are tired of the vagueness which classes all the Elizabethan playwrights together as "great dramatists,"--as if Shakspeare did not differ from them in kind as well as in degree. Fine poets some of them were; but though imagination and the power of poetic expression are, singly, not uncommon gifts, and even in combination not without secular examples, yet it is the rarest of earthly phenomena, to find them joined with those faculties of perception, arrangement, and plastic instinct in the loving union which alone makes a great dramatic poet possible. We suspect that Shakspeare will long continue the only specimen of the genus. His contemporaries, in their comedies, either force what they call "a humor" till it becomes fantastical, or hunt for jokes, like rat-catchers, in the sewers of human nature and of language. In their tragedies they become heavy without grandeur, like Jonson, or mistake the stilts for the cothurnus, as Chapman and Webster too often do. Every new edition of an Elizabethan dramatist is but the putting of another witness into the box to prove the inaccessibility of Shakspeare's stand-point as poet and artist.

Webster's most famous works are "The Duchess of Malfy" and "Vittoria Corombona," but we are strongly inclined to call "The Devil's Law-Case" his best play. The two former are in a great measure answerable for the "spasmodic" school of poets, since the

extravagances of a man of genius are as sure of imitation as the equable self-possession of his higher moments is incapable of it. Webster had, no doubt, the primal requisite of a poet, imagination, but in him it was truly untamed, and Aristotle's admirable distinction between the *_Horrible_* and the *_Terrible_* in tragedy was never better illustrated and confirmed than in the "Duchess" and "Vittoria." His nature had something of the sleuth-hound quality in it, and a plot, to keep his mind eager on the trail, must be sprinkled with fresh blood at every turn. We do not forget all the fine things that Lamb has said of Webster, but, when Lamb wrote, the Elizabethan drama was an El Dorado, whose micacious sand, even, was treasured as auriferous,--and no wonder, in a generation which admired the "Botanic Garden." Webster is the Gherardo della Notte of his day, and himself calls his "Vittoria Corombona" a "night-piece." Though he had no conception of Nature in its large sense, as something pervading a whole character and making it consistent with itself, nor of Art, as that which dominates an entire tragedy and makes all the characters foils to each other and tributaries to the catastrophe, yet there are flashes of Nature in his plays, struck out by the collisions of passion, and dramatic intensities of phrase for which it would be hard to find the match. The "prithee, undo this button" of *_Lear_*, by which Shakspeare makes us feel the swelling of the old king's heart, and that the bodily results of mental anguish have gone so far as to deaden for the moment all intellectual consciousness and forbid all expression of grief, is hardly finer than the broken verse which Webster puts into the mouth of *_Ferdinand_* when he sees the body of his sister, murdered by his own procurement,--

"Cover her face: mine eyes dazzle: she died young."

He has not the condensing power of Shakspeare, who squeezed meaning into a phrase with an hydraulic press, but he could carve a cherry-stone with any of the *_concellisti_*, and abounds in imaginative quaintnesses that are worthy of Donne, and epigrammatic tersenesses that remind us of Fuller. Nor is he wanting in poetic phrases of the purest crystallization. Here are a few examples:--

"Oh, if there be another world i' th' moon,
As some fantastics dream, I could wish all *_men_*,
The whole race of them, for their inconstancy,
Sent thither to people that!"

(Old Chaucer was yet slier. After saying that Lamech was the first faithless lover, he adds,--

"And he invented *_tents_*, unless men lie,"--

implying that he was the prototype of nomadic men.)

"Virtue is ever sowing of her seeds:
In the trenches, for the soldier; in the wakeful study,
For the scholar; in the furrows of the sea,

For men of our profession [merchants]; all of which
Arise and spring up honor."

("Of all which," Mr. Hazlitt prints it.)

"Poor Jolenta! should she hear of this,
She would not after the report keep fresh
So long as flowers on graves."

"For sin and shame are ever tied together
With Gordian knots of such a strong thread spun,
They cannot without violence be undone."

"One whose mind
Appears more like a ceremonious chapel
Full of sweet music, than a thronging presence."

"Gentry? 'tis nought else
But a superstitious relic of time past;
And, sifted to the true worth, it is nothing
But ancient riches."

"What is death?
The safest trench i' th' world to keep man free
From Fortune's gunshot."

"It has ever been my opinion
That there are none love perfectly indeed,
But those that hang or drown themselves for love,"

says Julio, anticipating Butler's

"But he that drowns, or blows out's brains,
The Devil's in him, if he feigns."

He also anticipated La Rochefoucauld and Byron in their apophthegm concerning woman's last love. In "The Devil's Law-Case," Leonora says:

"For, as we love our youngest children best,
So the last fruit of our affection,
Wherever we bestow it, is most strong,
Most violent, most irresistible;
Since 'tis, indeed, our latest harvest-home,
Last merriment 'fore winter."

In editing Webster, Mr. Hazlitt had the advantage (except in a single doubtful play) of a predecessor in the Rev. Alexander Dyce, beyond all question the best living scholar of the literature of the times of Elizabeth and James I. If he give no proof of remarkable fitness for his task, he seems, at least, to have been diligent and painstaking. His notes are short and to the point, and--which we consider a great merit--at the foot of the page. If he had added a glossarial index, we should have been still better pleased. Mr. Hazlitt seems to have read over the text with some care, and he has had the good sense to modernize the orthography, or, as he says,

has "observed the existing standard of spelling throughout." Yet--for what reason we cannot imagine--he prints "I" for "ay," taking the pains to explain it every time in a note, and retains "banquerout" and "coram" apparently for the sake of telling us that they mean "bankrupt" and "quorum." He does not seem to have a quick ear for scansion, which would sometimes have assisted him to the true reading. We give an example or two:

"The obligation wherein we all stood bound
Cannot be concealed [~~cancelled~~] without great
reproach."

"The realm, not they,
Must be regarded. Be [we] strong and bold,
We are the people's factors."

"Shall not be o'erburdened [~~overburdened~~] in
our reign."

"A merry heart
And a good stomach to [a] feast are all."

"Have her meat serv'd up by bawds and
ruffians." [~~dele~~ "up."]

"Brother or father
In [a] dishonest suit, shall be to me."

"What's she in Rome your greatness cannot awe,
Or your rich purse purchase
Promises and threats." [~~dele~~ the second "your."]

"Through clouds of envy and disast [rous] change."

"The Devil drives; 'tis [it is] full time to go."

He has overlooked some strange blunders. What is the meaning of

"Laugh at your misery, as foredeeming you
An idle meteor, which drawn forth, the earth
Would soon be lost i' the air"?

We hardly need say that it should be

"An idle meteor, which, drawn forth the earth, would," &c.

"_For_wardness" for "_fro_wardness," (Vol. II. p. 87,) "tennis-balls struck and ban_ded_" for "ban_died_" (lb. p. 275,) may be errors of the press; but:

"Come, I'll love you wisely:
That's jealousy,"

has crept in by editorial oversight for "wisely, that's jealously."

So have:

"Ay, the great emperor of [_or_] the mighty Cham";

and:

"This wit [_with_] taking long journeys";

and:

"Virginius, thou dost but supply my place,
I thine: Fortune hath lift me [_thee_] to my chair,
And thrown me headlong to thy pleading bar";

and:

"I'll pour my soul into my daughter's belly, [_body_,]
And with my soldier's tears embalm her wounds."

We suggest that the change of an _a_ to an _r_ would make sense of the following:--

"Come, my little punk, with thy two compositors,
to this unlawful painting-house,"

[printing-house,] which Mr. Hazlitt awkwardly endeavors to explain by this note on the word _compositors_:"--"i.e. (conjecturally), making up the composition of the picture"! Our readers can decide for themselves;--the passage occurs Vol. I. p. 214.

We think Mr. Hazlitt's notes are, in the main, good; but we should like to know his authority for saying that _pench_ means "the hole in a bench by which it was taken up,"--that "descant" means "look askant on,"--and that "I wis" is equivalent to "I surmise, imagine," which it surely is not in the passage to which his note is appended. On page 9, Vol. I., we read in the text,

"To whom, my lord, bends thus your awe,"

and in the note, "i.e. submission." The original has _aue_, which, if it mean _ave_, is unmeaning here. Did Mr. Hazlitt never see a picture of the Annunciation with _ave_ written on the scroll proceeding from the bending angel's mouth? We find the same word in Vol. III. p. 217,--

"Whose station's built on avees and applause."

Vol. III. pp. 47-48:--

"And then rest, gentle bones; yet pray
That when by the precise you are view'd,
A supersedeas be not sued

To remove you to a place more airy,
That in your stead they may keep chary
Stockfish or seacoal, for the abuses
Of sacrilege have turned graves to viler uses."

To the last verse Mr. Hazlitt appends this note, "Than that of burning men's bones for fuel." There is no allusion here to burning men's bones, but simply to the desecration of graveyards by building warehouses upon them, in digging the foundations for which the bones would be thrown out. The allusion is, perhaps, to the "Churchyard of the Holy Trinity";--see Stow's *Survey*, ed. 1603, p. 126. Elsewhere in the same play, Webster alludes bitterly to "begging church-land."

Vol. I. p. 73, "And if he walk through the street, he ducks at the penthouses, like an ancient that dares not flourish at the oath-taking of the praetor for fear of the signposts." Mr. Hazlitt's note is, "*Ancient* was a standard or flag; also an *ensign*, of which Skinner says it is a corruption. What the meaning of the simile is the present editor cannot suggest." We confess we find no difficulty. The meaning plainly is, that he ducks for fear of hitting the penthouses, as an ensign on the Lord Mayor's day dares not flourish his standard for fear of hitting the signposts. We suggest the query, whether *ancient*, in this sense, be not a corruption of the Italian word *anziano*.

Want of space compels us to leave many other passages, which we had marked for comment, unnoticed. We are surprised that Mr. Hazlitt, (see his Introduction to "Vittoria Coromboma,") in undertaking to give us some information concerning the Dukedom and Castle of Bracciano, should uniformly spell it *Brachiano*. Shakspeare's *Petruchio* might have put him on his guard. We should be glad also to know in what part of Italy he places *Malfi*.

Mr. Hazlitt's General Introduction supplies us with no new information, but this was hardly to be expected where Mr. Dyce had already gone over the field. We wish that he had been able to give us better means of distinguishing the three almost contemporary John Websters one from the other, for we think the internal evidence is enough to show that all the plays attributed to the author of the "Duchess" and "Vittoria" could not have been written by the same author. On the whole, he has given us a very respectable, and certainly a very pretty, edition of an eminent poet.

In leaving the subject, we cannot but express our satisfaction in comparing with these examples of English editorship the four volumes of Ballads recently published by Mr. Child. They are an honor to American scholarship and fidelity. Taste, learning, and modesty, the three graces of editorship, seem to have presided over the whole work. We hope soon, also, to be able to chronicle another creditable achievement in Mr. White's Shakspeare, which we look for with great interest.

History of the Inductive Sciences, from the Earliest to the Present Time. By WILLIAM WHEWELL, D.D., Master of Trinity College, Cambridge. Third Edition, with Additions. New York: D. Appleton & Co. 1858. 2 vols. 8vo. pp. 566, 648.

We are heartily glad to welcome this reprint of the "History of the Inductive Sciences," from an improved edition. From an intimate acquaintance with the first edition, we should cordially recommend these volumes to those who wish to take a general survey of this department of human learning. The various subjects are, for the most part, treated in a manner intelligible and agreeable to the unlearned reader. As an authority, Whewell is generally trustworthy, and as a critic usually fair. But in a work going over so much ground it would be unreasonable to expect perfect accuracy, and uniformly just estimates of the labors of all scientific men. Dr. Whewell's scientific philosophy naturally affects his ability as an historian and critic. In his Bridgewater Treatise, he indulged in a fling at mathematics, for which we have never wholly forgiven him; and in the present volume we see repeated evidence of his underestimate of the value of the sciences of Space and Time. He says, Vol. I. p. 600, that it was an "erroneous assumption" in Plato to hold mathematical truths as "Realities more real than the Phenomena." But to us it seems impossible to understand any work of Nature aright, except by taking this view of Plato. The study of natural science is deserving of the contempt which Samuel Johnson bestowed upon it, if it be not a study of the thoughts of the Divine Mind. And as phenomena are subject to laws of space and time as their essential condition, they are primarily a revelation of the mathematical thoughts of the Creator. Those mathematical ideas are, in Erigena's phrase, the created creators of all that can appear.

This false view of the mathematics lies at the foundation of Whewell's view of a type in organized nature. He conceives a genus to consist of those species which resemble the typical species of the genus more than they resemble the typical species of any other genus. It follows from this view that a species might be created that would not belong to any genus, but resemble equally the types of two or three genera. Thus, our little rue-leaved anemone might belong to the meadow rues or to the wind-flowers, at the pleasure of the botanist. We believe that classification is vastly more real than this, real as geometry itself. Another instance of a similar want of idealism in Dr. Whewell may be found in Vol. II. p. 643:--"Nothing is added to the evidence of design by the perception of a unity of plan which in no way tends to promote the design." Now to one who believes, with us, that a thought is as real as the execution of the thought, the perception of a unity of plan is the highest evidence of design. No more convincing evidence of the existence of an Intelligent Designer is to be found than in the unity of plan,--and his design, thus proved, is the completion of the plan. For what purpose he would complete it, is a secondary question.

In this third edition many valuable additions have been made; and no tales of Oriental fancy could be more wonderful than some of these records of the discoveries in exact science made by our contemporaries. What more magical than the miracles performed every day in our telegraphic offices?--unless it be the transmission of human speech in that manner under the waves of the Mediterranean from Africa to Europe. What more like the dreams of alchemy than taking metallic casts, in cold metal, with infinitely more delicacy and accuracy than by melted metals,--taking them, too, from the most fragile and perishable moulds? What sounds more purely fanciful than to assert a connection between variations in the direction of the compass-needle and spots on the surface of the sun! or what is more improbable than that the period of solar spots should be ten years? What would seem to be more completely beyond the reach of human measurement than the relative velocities of light in air and in water, since the velocity in each is probably not less than a hundred thousand miles a second? Yet two different experimenters arrived, according to Whewell, in the same year, 1850, at the same result,--that the motion is slower in water; thus supplying the last link of experimental proof to establish the undulatory theory of light. While the records of science are strewn on every page with accounts of such triumphs of human skill and intellect, we see no need of resorting to fiction or to necromancy for the gratification of a natural taste for the marvellous.

It is true, Dr. Whewell does not give these discoveries, in the spirit of an alchemist, as marvels,--but in the spirit of a philosopher, as intellectual triumphs. Few men of our times have shown a more active and powerful mind, a more earnest love of truth for truth's sake, than the author of this History,--and few men have had a wider or more thorough knowledge of the achievements of other scientific men. Yet we are surprised, in reading this improved edition, written scarce a twelvemonth ago, to find how ignorant Dr. Whewell appears to have been of the existence or value of the contributions to knowledge made on this side the Atlantic. The chapter on Electro-Magnetism does not allude to the discoveries of Joseph Henry, in regard to induced currents, and the adaptation of varying batteries to varying circuits,--discoveries second in importance only to those of Faraday,--and which were among the direct means of leading Morse to the invention of the telegraph. The chapters on Geology do not mention Professor Hall, and only allude in a patronizing way to the labors of American geologists, and to the ease of "reducing their classification to its synonymes and equivalents in the Old World," as though the historian were not aware that Hall's nomenclature is adopted on the continent of Europe by the most eminent men in that department of science. In Geological Dynamics Dr. Whewell speaks slightly of glacial action, and approves of Forbes's semifluid theory, in utter ignorance, it would seem, of the labors of the Swiss geologists who now honor America with their presence. The chapters on Zoology, and on Classifications of Animals, make no allusion to Agassiz's introduction of Embryology as an element in classification, which was published several years before the "close of 1856." The history of Neptune gives no hint of

the fact, that its orbit was first determined through the labors of American astronomers, with all the accuracy that fifty years of observation might otherwise have been required to secure. Nor does Dr. Whewell allude to the fact, that Peirce alone has demonstrated the accuracy of Le Verrier's and Adams's computations, and shown that a planet in the place which they erroneously assigned to Neptune would produce the same perturbations of Uranus as those which Neptune produced. Much less does he allude to that wonderful demonstration by Peirce of the younger Bond's hypothesis, that the rings of Saturn are fluid; or to Peirce's remark, that the belt of the asteroids lies in the region in which the sun could most nearly sustain a ring. Yet all these points are more important than many of those which he introduces, and more to the purpose of his chapters.

Notwithstanding these deficiencies in Whewell's scholarship and in his philosophy, his History is a valuable addition to our modern literature, and gives a better sketch of the whole ground than can be found in any other single work. It is particularly valuable to those whose ordinary pursuits lead them into other fields than those of science, and we have known such to acknowledge their great obligations to these clearly written and most suggestive volumes.

The Life of George Stephenson, Railway Engineer.

By SAMUEL SMILES. From the
Fourth London Edition. Boston: Ticknor
& Fields.

There is something sublime about railway engineers. But what shall we say of the pioneer of this almost superhuman profession? The world would give much to know what Vulcan, Hercules, Theseus, and other celebrities of that sort, really did in their mortal lives to win the places they now occupy in our classical dictionaries, and what sort of people they really were. But whatever they did, manifestly somebody, within a generation or two, has done something quite as memorable. Whether the world is quite awake to the fact or not, it has lately entered on a new order of ages. Formerly it hovered about shores, and built its Tyres, Venices, Amsterdams, and London only near navigable waters, because it was easier to traverse a thousand miles of fluid than a hundred miles of solid surface. Now the case is nearly reversed. The iron rail is making the continent all coast, anywhere near neighbor to everywhere, and central cities as populous as seaports. Not only is all the fertility of the earth made available, but fertility itself can be made by our new power of transportation.

Who more than other man or men has done this? Is there any chance for a new mythology? Can we make a Saturn of Solomon de Caus, who caught a prophetic glimpse of the locomotive two hundred years ago, and went to a mad-house, without going mad, because a cardinal had the instinct to see that the hierarchy would get into hot water by allowing the French monarch to encourage steam? Can we make a

Jupiter of Mr. Hudson, one bull having been plainly sacrificed to him? and shall Robert Schuyler serve us for Pluto? Shall we find Neptune, with his sleeves rolled up, on the North River, commanding the first practical steamboat, under the name of Robert Fulton? However this may be, we think Mr. Smiles has made out a quite available demigod in his well-sketched Railway Engineer. George Stephenson did not invent the railway or the locomotive, but he did first put the breath of its life into the latter. He built the first locomotive that could work more economically than a horse, and by so doing became the actual father of the railroad system. In 1814, he found out and applied the steam-blast, whereby the waste steam from the cylinders is used to increase the combustion, so that the harder the machine works, the greater is its power to work. From that moment he foresaw what has since happened, and fought like a Titan against the world--the men of land, the men of science, and the men of law--to bring it about.

But before we go farther, who was this George Stephenson? A collier-boy,--his father fireman to an old pumping-engine which drained a Northumbrian coal-mine,--his highest ambition of boyhood to be "taken on" to have something to do about the mine. And he was taken on to pick over the coal, and finally to groom the engine, which he did with the utmost care and veneration, learning how to keep it well and doctor it when ill. He took wonderfully to steam-engines, and finally, for their sake, to his letters, at the age of seventeen! He became steam-engineer to large mines. Of his own genius and humanity, he studied the nature of fire-damp explosions, and, what is not more wonderful than well proven, invented a miner's safety-lamp, on the same principle as Sir Humphrey Davy's, and tested it at the risk of his life, a month or two before Sir Humphrey invented his, or published a syllable about it to the world! He engineered the Stockton and Darlington Railway. He was thereupon appointed engineer of the Liverpool and Manchester Railway. Though the means of transportation between those cities, some thirty miles, were so inadequate that it took longer to get cotton conveyed from Liverpool to Manchester than from New York to Liverpool, yet it was with the utmost difficulty that a grant of the right to build a railway could be obtained from Parliament. There was little faith in such roads, and still less in steam-traction. The land-owners were opposed to its passage through their domains, and obliged Mr. Stephenson to survey by stealth or at the risk of a broken head. So great was this opposition, that the projectors were fain to lay out their road for four miles across a remarkable Slough of Despond, called Chat Moss, where a scientific civil-engineer testified before Parliament that he did not think it practicable to make a railway, or, if practicable, at not less cost than £270,000 for cutting and embankment. George Stephenson, after being almost hooted out of the witness-box for testifying that it could be done, and that locomotives could draw trains over it and elsewhere at the rate of twelve miles an hour,--for which last extravagance his own friends rebuked him,--carried the road over Chat Moss for £28,000, and his friends over that at the rate of thirty miles an hour. Thus he broke the back of the war, and lived to fill England with

railroads as the fruits of his victory; all which, and a great deal more of the same sort, the reader will find admirably told by Mr. Smiles,--albeit we cannot but smile too, that, when addressing the universal English people, he expects them to understand such provincialisms as *_wage_* for wages, *_leading coals_* for carrying coal, and the like. But, nevertheless, his freedom from literary pretence is really refreshing, and his thoroughness in matters of fact is worthy of almost unlimited commendation. On the important question, Who invented the locomotive steam-blast? had Mr. Smiles made in his book as good use of his materials as he has since elsewhere, he would have saved some engineers and one or two mechanical editors from putting their feet into unpleasant places. Our Railroad Manuals, that have adopted the error of attributing this great invention to "Timothy Hackworth, in 1827," should be made to read, "George Stephenson, in 1814." Their authors, and all others, should read Samuel Smiles, the uppermost, by a whole sky, of all railway biographers.

A Volume of Vocabularies, illustrating the Condition and Manners of our Forefathers, as well as the History of the Forms of Elementary Education and of the Languages spoken in this Island, from the Tenth Century to the Fifteenth. Edited, from MSS. in Public and Private Collections, by THOMAS WRIGHT, ESQ., etc. Privately printed. [London.] 1857. 8vo. pp. 291.

Mr. Wright, in editing this handsome volume, has done another service to the lovers and students of English glossology. Their thanks are also due to Mr. Joseph Mayer, who generously bore the expense of printing the book.

A great deal that is interesting to the student of general history lies imbedded in language, and Mr. Wright, in a very agreeable Introduction, has summarized the chief matters of value in the collection before us, which comprises the printed copies of sixteen ancient MSS. of various dates. As far as we have had time to examine it, the book seems to have been edited with care and discretion, and Mr. Wright has added much to its value by timely and judicious notes.

Most of the vocabularies here printed (many of them for the first time) were intended for the use of schoolmasters, and throw great light on the means and methods of teaching during the periods at which they were compiled. Mr. Wright tells us that there exist very few MSS. of educational treatises of the fourteenth century, (during which teaching would accordingly seem to have been neglected,) in comparison with the thirteenth and fifteenth, when such works were abundant. To all who would trace the history of education in England and follow up our common-school system to its source, the editor's Introduction will afford valuable hints.

The following extracts from Mr. Wright's Introduction will give some

notion of the archaeological and philological value of the volume.

"It is this circumstance of grouping the words under different heads which gives these vocabularies their value as illustrations of the conditions and manners of society. It is evident that the compiler gave, in each case, the names of all such things as habitually presented themselves to his view, or, in other words, that he presents us with an exact list and description of all the objects which were in use at the time he wrote, and no more. We have, therefore, in each a sort of measure of the fashions and comforts and utilities of contemporary life, as well as, in some cases, of its sentiments. Thus, to begin with a man's habitation, his house,--the words which describe the parts of the Anglo-Saxon house are few in number, a *_heal_* or hall, a *_bur_* or bedroom, and in some cases a *_cicen_* or kitchen, and the materials are chiefly beams of wood, laths, and plaster. But when we come to the vocabularies of the Anglo-Norman period, we soon find traces of that ostentation in domestic buildings which William of Malmesbury assures us that the Normans introduced into this island; the house becomes more massive, and the rooms more numerous, and more diversified in their purposes. When we look at the furniture of the house, the difference is still more apparent. The description given by Alexander Neckam of the hall, the chambers, the kitchen, and the other departments of the ordinary domestic establishment, in the twelfth century, and the furniture of each, almost brings them before our eyes, and nothing could be more curious than the account which the same writer gives us of the process of building and storing a castle."

p. xv.

"The philologist will appreciate the tracts printed in the following pages as a continuous series of very valuable monuments of the languages spoken in our island during the Middle Ages. It is these vocabularies alone which have preserved from oblivion a very considerable and interesting portion of the Anglo-Saxon tongue, and without their assistance our Anglo-Saxon dictionaries would be far more imperfect than they are. I have endeavored to collect together in the present volume all the Anglo-Saxon vocabularies that are known to exist, not only on account of their diversity, but because I believe that their individual utility will be increased by thus presenting them in a collective form. They represent the Anglo-Saxon language as it existed in the tenth and eleventh centuries; and, as

written no doubt in different places, they may possibly present some traces of the local dialects of that period. The curious semi-Saxon vocabulary is chiefly interesting as representing the Anglo-Saxon in its period of transition, when it was in a state of rapid decadence. The interlinear gloss to Alexander Neckam, and the commentary on John de Garlande, are most important monuments of the language which for a while usurped among our forefathers the place of the Anglo-Saxon, and which we know by the name of the Anglo-Norman. In the partial vocabulary of the names of plants, which follows them, we have the two languages in juxtaposition, the Anglo-Saxon having then emerged from that state which has been termed semi-Saxon, and become early English. We are again introduced to the English language more generally by Walter de Biblesworth, the interlinear gloss to whose treatise represents, no doubt, the English of the beginning of the fourteenth century. All the subsequent vocabularies given here belong, as far as the language is concerned, to the fifteenth century. As written in different parts of the country, they bear evident marks of dialect; one of them--the vocabulary in Latin verse--is a very curious relic of the dialect of the West of England at a period of which such remains are extremely rare."--p. xix.

Sermons, preached at Trinity Chapel, Brighton. By the late REV. FREDERICK W. ROBERTSON, M. A., the Incumbent. Second Series. From the Fourth London Edition. Boston: Ticknor & Fields. 12mo.

The biography of Robertson, prefixed to this volume, will gratify the curiosity which every sympathetic reader of the first series of his sermons must have felt regarding the incidents of his career. It was evident to a close observer that the peculiar charm and power of the preacher came from peculiarities of character and individual experience, as well as from peculiarities of mind. There was something so close and searching in his pathos, so natural in his statements of doctrine, so winning in his appeals,--his simplest words of consolation or rebuke touched with such subtle certainty the feelings they addressed,--and his faith in heavenly things was so clear, deep, intense, and calm,--that the reader could hardly fail to feel that the earnestness of the preacher had its source in the experience of the man, and that his belief in the facts of the spiritual world came from insight, and not from hearsay. His biography confirms this impression. We now learn that he was tried in many ways, and built up a noble character through intense inward struggle with suffering and calamity,--a character sensitive, tender, magnanimous, brave, and self-sacrificing, though not thoroughly cheerful. The heroism evinced in his life and in his sermons is a sad heroism, a heroism that has on it the trace of tears. Always at work, and dying in harness, the spur of duty made him insensible to the decay of strength and the need of repose. He had no time to be happy.

The most striking mental characteristic of his sermons is the

originality of his perceptions of religious truth. He takes up the themes and doctrines of the Church, the discussion of which has filled libraries with books of divinity which stand as an almost impregnable wall around the simple facts and teachings of the Scriptures, protecting them from attack by shutting them from sight, and in a few brief and direct statements cuts into the substance and heart of the subjects. This felicity comes partly from his being a man gifted with spiritual discernment as well as spiritual feeling, and partly from the instinct of his nature to look at doctrines in their connection with life. He excels equally in interpreting the truth which may be hidden in a dogma, and in overturning dogmas in which no truth is to be found. In a single sermon, he often tells us more of the essentials of a subject, and exhibits more clearly the religious significance of a doctrine, than other writers have done in labored volumes of exposition and controversy. This power of simplifying spiritual truth without parting with any of its depth accounts for the interest with which his sermons are read by persons of all degrees of age and culture. His method of arrangement is also admirable; his thoughts are not only separately excellent, but are all in their right places, so that each is an efficient agent in deepening the general impression left by the whole. The singular refinement and beauty of his mind lend a peculiar charm to its boldness; we have the soul of courage without the rough outside which so often accompanies it; and his diction, being on a level with his themes, never offends that fine detecting spiritual taste which instinctively takes offence when spiritual things are viewed through unspiritual moods and clothed in words which smack of the senses. Combine all his characteristics, his intrepidity of disposition and intellect, his deep experience of religious truth, the sad earnestness of his faith, his penetration of thought, his direct, executive expression, and the beauty which pervades and harmonizes all,--and it is hazarding little to say, that his volumes will take the rank of classics in the department of theology to which they belong.

The Church and the Congregation. A Plea
for their Unity. By C. A. BARTOL.
Boston: Ticknor & Fields. 16mo.

As church-membership is in some respects the aristocracy of Congregationalism, and as it is considered by many minds to be as necessary for the safety of theology as the old distinction of esoteric and exoteric was for the safety of philosophy, the publication by a clergyman of such a volume as this, with its purpose clearly indicated by its title, will excite some surprise, and certainly should excite discussion. Mr. Bartol contends for open communion, as most consonant with Scripture, with the spirit of Christianity, with the practice of the early Church, with the meaning and purpose of the rite. He denies that the ordinance of the Lord's Supper has any sacredness above prayer, or any of the other ordinances of religion; and while he appreciates and perhaps

exaggerates its importance, he thinks that its most beneficent effects will be seen when it is the symbol of unity, and not of division. The usual distinction between Church and Congregation he considers invidious and mischievous, as not indicating a corresponding distinction in religious character, and as separating the body of Christian worshippers into two parts by a mechanical rather than spiritual process. Though he meets objections with abundant controversial ability, the strength of his position is due not so much to his negative arguments as to his affirmative statements; for his statements have in them the peculiar vitality of that mood of meditation in which spiritual things are directly beheld rather than logically inferred, and, being thus the expression of spiritual perceptions, they feel their way at once to the spiritual perceptions of the reader, to be judged by the common sense of the soul instead of the common sense of the understanding. This is the highest quality of the book, and indicates not only that the author has religion, but religious genius; but there is also much homely sagacity evinced in viewing what may be called the practical aspects of the subject, and answering from experience the objections which experience may raise. The writer is so deeply in earnest, has meditated so intensely on the subject, and is so free from the repellent qualities which are apt to embitter theological controversies, that even when his ideas come into conflict with the most obstinate prejudices and rooted convictions, there is nothing in his mode of stating or enforcing them to give offence. The book will win its way by the natural force of what truth there is in it, and the most that an opponent can say is, that the author is in error; it cannot be said that he is arrogant, contemptuous, self-asserting, or that he needlessly shocks the opinions he aims to change.

Mr. Bartol's style is bold, fervid, and figurative, exhibiting a wide command of language and illustration, and at times rising into passages of singular beauty and eloquence. The fertility of his mind in analogies enables him to strengthen his leading conception with a large number of related thoughts, and the whole subject of vital Christianity is thus continually in view, and connected with the special theme he discusses. This characteristic will make his volume interesting and attractive to many readers who are either opposed to his views of the Lord's Supper, or are unable to agree with him in regard to the importance of the change he proposes.

*** END OF THE PROJECT GUTENBERG EBOOK, THE ATLANTIC MONTHLY, VOL. II, NO. 8, JUNE 1858 ***

This file should be named 702a810.txt or 702a810.zip
Corrected EDITIONS of our eBooks get a new NUMBER, 702a811.txt
VERSIONS based on separate sources get new LETTER, 702a810a.txt

Project Gutenberg eBooks are often created from several printed editions, all of which are confirmed as Public Domain in the US unless a copyright notice is included. Thus, we usually do not

keep eBooks in compliance with any particular paper edition.

We are now trying to release all our eBooks one year in advance of the official release dates, leaving time for better editing. Please be encouraged to tell us about any error or corrections, even years after the official publication date.

Please note neither this listing nor its contents are final til midnight of the last day of the month of any such announcement. The official release date of all Project Gutenberg eBooks is at Midnight, Central Time, of the last day of the stated month. A preliminary version may often be posted for suggestion, comment and editing by those who wish to do so.

Most people start at our Web sites at:

<http://gutenberg.net> or

<http://promo.net/pg>

These Web sites include award-winning information about Project Gutenberg, including how to donate, how to help produce our new eBooks, and how to subscribe to our email newsletter (free!).

Those of you who want to download any eBook before announcement can get to them as follows, and just download by date. This is also a good way to get them instantly upon announcement, as the indexes our cataloguers produce obviously take a while after an announcement goes out in the Project Gutenberg Newsletter.

<http://www.ibiblio.org/gutenberg/etext05> or
<ftp://ftp.ibiblio.org/pub/docs/books/gutenberg/etext05>

Or /etext04, 03, 02, 01, 00, 99, 98, 97, 96, 95, 94, 93, 92, 92, 91 or 90

Just search by the first five letters of the filename you want, as it appears in our Newsletters.

Information about Project Gutenberg (one page)

We produce about two million dollars for each hour we work. The time it takes us, a rather conservative estimate, is fifty hours to get any eBook selected, entered, proofread, edited, copyright searched and analyzed, the copyright letters written, etc. Our projected audience is one hundred million readers. If the value per text is nominally estimated at one dollar then we produce \$2 million dollars per hour in 2002 as we release over 100 new text files per month: 1240 more eBooks in 2001 for a total of 4000+ We are already on our way to trying for 2000 more eBooks in 2002 If they reach just 1-2% of the world's population then the total will reach over half a trillion eBooks given away by year's end.

The Goal of Project Gutenberg is to Give Away 1 Trillion eBooks!
This is ten thousand titles each to one hundred million readers,
which is only about 4% of the present number of computer users.

Here is the briefest record of our progress (* means estimated):

eBooks Year Month

1 1971 July
10 1991 January
100 1994 January
1000 1997 August
1500 1998 October
2000 1999 December
2500 2000 December
3000 2001 November
4000 2001 October/November
6000 2002 December*
9000 2003 November*
10000 2004 January*

The Project Gutenberg Literary Archive Foundation has been created
to secure a future for Project Gutenberg into the next millennium.

We need your donations more than ever!

As of February, 2002, contributions are being solicited from people
and organizations in: Alabama, Alaska, Arkansas, Connecticut,
Delaware, District of Columbia, Florida, Georgia, Hawaii, Illinois,
Indiana, Iowa, Kansas, Kentucky, Louisiana, Maine, Massachusetts,
Michigan, Mississippi, Missouri, Montana, Nebraska, Nevada, New
Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio,
Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, South
Dakota, Tennessee, Texas, Utah, Vermont, Virginia, Washington, West
Virginia, Wisconsin, and Wyoming.

We have filed in all 50 states now, but these are the only ones
that have responded.

As the requirements for other states are met, additions to this list
will be made and fund raising will begin in the additional states.
Please feel free to ask to check the status of your state.

In answer to various questions we have received on this:

We are constantly working on finishing the paperwork to legally
request donations in all 50 states. If your state is not listed and
you would like to know if we have added it since the list you have,
just ask.

While we cannot solicit donations from people in states where we are
not yet registered, we know of no prohibition against accepting

donations from donors in these states who approach us with an offer to donate.

International donations are accepted, but we don't know ANYTHING about how to make them tax-deductible, or even if they CAN be made deductible, and don't have the staff to handle it even if there are ways.

Donations by check or money order may be sent to:

PROJECT GUTENBERG LITERARY ARCHIVE FOUNDATION
809 North 1500 West
Salt Lake City, UT 84116

Contact us if you want to arrange for a wire transfer or payment method other than by check or money order.

The Project Gutenberg Literary Archive Foundation has been approved by the US Internal Revenue Service as a 501(c)(3) organization with EIN [Employee Identification Number] 64-622154. Donations are tax-deductible to the maximum extent permitted by law. As fund-raising requirements for other states are met, additions to this list will be made and fund-raising will begin in the additional states.

We need your donations more than ever!

You can get up to date donation information online at:

<http://www.gutenberg.net/donation.html>

If you can't reach Project Gutenberg,
you can always email directly to:

Michael S. Hart <hart@pobox.com>

Prof. Hart will answer or forward your message.

We would prefer to send you information by email.

****The Legal Small Print****

(Three Pages)

*****START**THE SMALL PRINT!**FOR PUBLIC DOMAIN EBOOKS**START*****

Why is this "Small Print!" statement here? You know: lawyers. They tell us you might sue us if there is something wrong with your copy of this eBook, even if you got it for free from someone other than us, and even if what's wrong is not our

fault. So, among other things, this "Small Print!" statement disclaims most of our liability to you. It also tells you how you may distribute copies of this eBook if you want to.

***BEFORE!* YOU USE OR READ THIS EBOOK**

By using or reading any part of this PROJECT GUTENBERG-tm eBook, you indicate that you understand, agree to and accept this "Small Print!" statement. If you do not, you can receive a refund of the money (if any) you paid for this eBook by sending a request within 30 days of receiving it to the person you got it from. If you received this eBook on a physical medium (such as a disk), you must return it with your request.

ABOUT PROJECT GUTENBERG-TM EBOOKS

This PROJECT GUTENBERG-tm eBook, like most PROJECT GUTENBERG-tm eBooks, is a "public domain" work distributed by Professor Michael S. Hart through the Project Gutenberg Association (the "Project"). Among other things, this means that no one owns a United States copyright on or for this work, so the Project (and you!) can copy and distribute it in the United States without permission and without paying copyright royalties. Special rules, set forth below, apply if you wish to copy and distribute this eBook under the "PROJECT GUTENBERG" trademark.

Please do not use the "PROJECT GUTENBERG" trademark to market any commercial products without permission.

To create these eBooks, the Project expends considerable efforts to identify, transcribe and proofread public domain works. Despite these efforts, the Project's eBooks and any medium they may be on may contain "Defects". Among other things, Defects may take the form of incomplete, inaccurate or corrupt data, transcription errors, a copyright or other intellectual property infringement, a defective or damaged disk or other eBook medium, a computer virus, or computer codes that damage or cannot be read by your equipment.

LIMITED WARRANTY; DISCLAIMER OF DAMAGES

But for the "Right of Replacement or Refund" described below, [1] Michael Hart and the Foundation (and any other party you may receive this eBook from as a PROJECT GUTENBERG-tm eBook) disclaims all liability to you for damages, costs and expenses, including legal fees, and [2] YOU HAVE NO REMEDIES FOR NEGLIGENCE OR UNDER STRICT LIABILITY, OR FOR BREACH OF WARRANTY OR CONTRACT, INCLUDING BUT NOT LIMITED TO INDIRECT, CONSEQUENTIAL, PUNITIVE OR INCIDENTAL DAMAGES, EVEN IF YOU GIVE NOTICE OF THE POSSIBILITY OF SUCH DAMAGES.

If you discover a Defect in this eBook within 90 days of receiving it, you can receive a refund of the money (if any) you paid for it by sending an explanatory note within that time to the person you received it from. If you received it on a physical medium, you must return it with your note, and

such person may choose to alternatively give you a replacement copy. If you received it electronically, such person may choose to alternatively give you a second opportunity to receive it electronically.

THIS EBOOK IS OTHERWISE PROVIDED TO YOU "AS-IS". NO OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, ARE MADE TO YOU AS TO THE EBOOK OR ANY MEDIUM IT MAY BE ON, INCLUDING BUT NOT LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Some states do not allow disclaimers of implied warranties or the exclusion or limitation of consequential damages, so the above disclaimers and exclusions may not apply to you, and you may have other legal rights.

INDEMNITY

You will indemnify and hold Michael Hart, the Foundation, and its trustees and agents, and any volunteers associated with the production and distribution of Project Gutenberg-tm texts harmless, from all liability, cost and expense, including legal fees, that arise directly or indirectly from any of the following that you do or cause: [1] distribution of this eBook, [2] alteration, modification, or addition to the eBook, or [3] any Defect.

DISTRIBUTION UNDER "PROJECT GUTENBERG-tm"

You may distribute copies of this eBook electronically, or by disk, book or any other medium if you either delete this "Small Print!" and all other references to Project Gutenberg, or:

[1] Only give exact copies of it. Among other things, this requires that you do not remove, alter or modify the eBook or this "small print!" statement. You may however, if you wish, distribute this eBook in machine readable binary, compressed, mark-up, or proprietary form, including any form resulting from conversion by word processing or hypertext software, but only so long as *EITHER*:

[*] The eBook, when displayed, is clearly readable, and does *not* contain characters other than those intended by the author of the work, although tilde (~), asterisk (*) and underline (_) characters may be used to convey punctuation intended by the author, and additional characters may be used to indicate hypertext links; OR

[*] The eBook may be readily converted by the reader at no expense into plain ASCII, EBCDIC or equivalent form by the program that displays the eBook (as is the case, for instance, with most word processors);

OR

[*] You provide, or agree to also provide on request at no additional cost, fee or expense, a copy of the eBook in its original plain ASCII form (or in EBCDIC or other equivalent proprietary form).

[2] Honor the eBook refund and replacement provisions of this "Small Print!" statement.

[3] Pay a trademark license fee to the Foundation of 20% of the gross profits you derive calculated using the method you already use to calculate your applicable taxes. If you don't derive profits, no royalty is due. Royalties are payable to "Project Gutenberg Literary Archive Foundation" the 60 days following each date you prepare (or were legally required to prepare) your annual (or equivalent periodic) tax return. Please contact us beforehand to let us know your plans and to work out the details.

WHAT IF YOU *WANT* TO SEND MONEY EVEN IF YOU DON'T HAVE TO?

Project Gutenberg is dedicated to increasing the number of public domain and licensed works that can be freely distributed in machine readable form.

The Project gratefully accepts contributions of money, time, public domain materials, or royalty free copyright licenses.

Money should be paid to the:

"Project Gutenberg Literary Archive Foundation."

If you are interested in contributing scanning equipment or software or other items, please contact Michael Hart at:
hart@pobox.com

[Portions of this eBook's header and trailer may be reprinted only when distributed free of all fees. Copyright (C) 2001, 2002 by Michael S. Hart. Project Gutenberg is a TradeMark and may not be used in any sales of Project Gutenberg eBooks or other materials be they hardware or software or any other related product without express permission.]

*END THE SMALL PRINT! FOR PUBLIC DOMAIN EBOOKS*Ver.02/11/02*END*

DOMAIN EBOOKS*Ver.02/11/02*END*

er states are met, additions to this list

will be made and fund raising will begin in the additional states.

Please feel free to ask to check the status of your state.

In answer to various questions we have received on this:

We are constantly working on finishing the paperwork to legally request donations in all 50 states. If your state is not listed and you would like to know if we have added it since the list you have, just ask.

While we cannot solicit donations from people in states where we are not yet registered, we know of no prohibition against accepting donations from donors in these states who approach us with an offer to donate.

International donations are accepted, but we don't know ANYTHING about how to make them tax-deductible, or even if they CAN be made deductible, and don't have the staff to handle it even if there are ways.

Donations by check or money order may be sent to:

PROJECT GUTENBERG LITERARY ARCHIVE FOUNDATION

809 North 1500 West

Salt Lake City, UT 84116

Contact us if you want to arrange for a wire transfer or payment method other than by check or money order.

The Project Gutenberg Literary Archive Foundation has been approved by the US Internal Revenue Service as a 501(c)(3) organization with EIN [Employee Identification Number] 64-622154. Donations are tax-deductible to the maximum extent permitted by law. As fund-raising requirements for other states are met, additions to this list will be made and fund-raising will begin in the additional states.

We need your donations more than ever!

You can get up to date donation information online at:

<http://www.gutenberg.net/donation.html>

If you can't reach Project Gutenberg,
you can always email directly to:

Michael S. Hart <hart@pobox.com>

Prof. Hart will answer or forward your message.

We would prefer to send you information by email.

****The Legal Small Print****

(Three Pages)

*****START**THE SMALL PRINT!**FOR PUBLIC DOMAIN EBOOKS**START*****

Why is this "Small Print!" statement here? You know: lawyers.

They tell us you might sue us if there is something wrong with

your copy of this eBook, even if you got it for free from

someone other than us, and even if what's wrong is not our

fault. So, among other things, this "Small Print!" statement

disclaims most of our liability to you. It also tells you how

you may distribute copies of this eBook if you want to.

***BEFORE!* YOU USE OR READ THIS EBOOK**

By using or reading any part of this PROJECT GUTENBERG-tm

eBook, you indicate that you understand, agree to and accept

this "Small Print!" statement. If you do not, you can receive

a refund of the money (if any) you paid for this eBook by

sending a request within 30 days of receiving it to the person

you got it from. If you received this eBook on a physical

medium (such as a disk), you must return it with your request.

ABOUT PROJECT GUTENBERG-TM EBOOKS

This PROJECT GUTENBERG-tm eBook, like most PROJECT GUTENBERG-tm eBooks,

is a "public domain" work distributed by Professor Michael S. Hart

through the Project Gutenberg Association (the "Project").

Among other things, this means that no one owns a United States copyright on or for this work, so the Project (and you!) can copy and distribute it in the United States without permission and without paying copyright royalties. Special rules, set forth below, apply if you wish to copy and distribute this eBook under the "PROJECT GUTENBERG" trademark.

Please do not use the "PROJECT GUTENBERG" trademark to market any commercial products without permission.

To create these eBooks, the Project expends considerable efforts to identify, transcribe and proofread public domain works. Despite these efforts, the Project's eBooks and any medium they may be on may contain "Defects". Among other things, Defects may take the form of incomplete, inaccurate or corrupt data, transcription errors, a copyright or other intellectual property infringement, a defective or damaged disk or other eBook medium, a computer virus, or computer codes that damage or cannot be read by your equipment.

LIMITED WARRANTY; DISCLAIMER OF DAMAGES

But for the "Right of Replacement or Refund" described below,

[1] Michael Hart and the Foundation (and any other party you may receive this eBook from as a PROJECT GUTENBERG-tm eBook) disclaims all liability to you for damages, costs and expenses, including legal fees, and [2] YOU HAVE NO REMEDIES FOR NEGLIGENCE OR

UNDER STRICT LIABILITY, OR FOR BREACH OF WARRANTY OR CONTRACT,
INCLUDING BUT NOT LIMITED TO INDIRECT, CONSEQUENTIAL, PUNITIVE
OR INCIDENTAL DAMAGES, EVEN IF YOU GIVE NOTICE OF THE
POSSIBILITY OF SUCH DAMAGES.

If you discover a Defect in this eBook within 90 days of
receiving it, you can receive a refund of the money (if any)
you paid for it by sending an explanatory note within that
time to the person you received it from. If you received it
on a physical medium, you must return it with your note, and
such person may choose to alternatively give you a replacement
copy. If you received it electronically, such person may
choose to alternatively give you a second opportunity to
receive it electronically.

THIS EBOOK IS OTHERWISE PROVIDED TO YOU "AS-IS". NO OTHER
WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, ARE MADE TO YOU AS
TO THE EBOOK OR ANY MEDIUM IT MAY BE ON, INCLUDING BUT NOT
LIMITED TO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A
PARTICULAR PURPOSE.

Some states do not allow disclaimers of implied warranties or
the exclusion or limitation of consequential damages, so the
above disclaimers and exclusions may not apply to you, and you
may have other legal rights.

INDEMNITY

You will indemnify and hold Michael Hart, the Foundation, and its trustees and agents, and any volunteers associated with the production and distribution of Project Gutenberg-tm texts harmless, from all liability, cost and expense, including legal fees, that arise directly or indirectly from any of the following that you do or cause: [1] distribution of this eBook, [2] alteration, modification, or addition to the eBook, or [3] any Defect.

DISTRIBUTION UNDER "PROJECT GUTENBERG-tm"

You may distribute copies of this eBook electronically, or by disk, book or any other medium if you either delete this "Small Print!" and all other references to Project Gutenberg, or:

[1] Only give exact copies of it. Among other things, this requires that you do not remove, alter or modify the eBook or this "small print!" statement. You may however, if you wish, distribute this eBook in machine readable binary, compressed, mark-up, or proprietary form, including any form resulting from conversion by word processing or hypertext software, but only so long as
***EITHER*:**

[*] The eBook, when displayed, is clearly readable, and does ***not*** contain characters other than those

intended by the author of the work, although tilde (~), asterisk (*) and underline () characters may be used to convey punctuation intended by the author, and additional characters may be used to indicate hypertext links; OR

[*] The eBook may be readily converted by the reader at no expense into plain ASCII, EBCDIC or equivalent form by the program that displays the eBook (as is the case, for instance, with most word processors); OR

[*] You provide, or agree to also provide on request at no additional cost, fee or expense, a copy of the eBook in its original plain ASCII form (or in EBCDIC or other equivalent proprietary form).

[2] Honor the eBook refund an