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A STUDY OF ASSOCIATION IN INSANITY

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TABLE OF CONTENTS.

PART I. ASSOCIATION IN NORMAL SUBJECTS.

Sec.1. Method of Investigation

Sec.2. The Normal Standard

Sec.3. The Frequency Tables

Sec.4. Normal Associational Tendencies

Sec.5. Practical Considerations

Sec.6. An Empirical Principle of Normal Association

PART II. ASSOCIATION IN INSANE SUBJECTS.

Sec.1. General Survey of Pathological Material

Sec.2. Classification of Reactions

Sec.3. Non-Specific Reactions; Doubtful Reactions

Sec.4. Individual Reactions; Explanation of Groups and Methods of Application

Normal Reactions

Pathological Reactions

Derivatives of Stimulus Words

Partial Dissociation

Non-Specific Reactions

Sound Reactions

Word Complements

Particles of Speech

Complete Dissociation

Perseveration

Neologisms

Unclassified Reactions

Normal Reactions

Circumstantial Reactions

Distraction  
Incoherent Reactions

Sec.5. Order of Preference

Sec.6. Errors Involved in the Use of Arbitrary Objective Standards

Sec.7. Analysis of Pathological Material

Dementia Praecox

Paranoic Conditions

Epilepsy

General Paresis

Manic-Depressive Insanity

Involuntal Melancholia; Alcoholic Dementia; Senile Dementia

Sec.8. Pathological Reactions from Normal Subjects

Sec.9. Number of Different Words given as Reactions

Sec.10. Co-operation of the Subject

Sec.11. Summary

Acknowledgments

INDEX TO FREQUENCY TABLES AND APPENDIX

THE FREQUENCY TABLES

APPENDIX TO THE FREQUENCY TABLES

PART I.

ASSOCIATION IN NORMAL SUBJECTS.

Among the most striking and commonly observed manifestations of insanity are certain disorders of the flow of utterance which appear to be dependent upon a derangement of the psychical processes commonly termed association of ideas. These disorders have to some extent been made the subject of psychological experimentation, and the object of this investigation is to continue and extend the study of these phenomena by an application of the experimental method known as the association test.

Sec. 1. METHOD OF INVESTIGATION.

In this investigation we have followed a modified form of the method developed by Sommer,[1] the essential feature of which is the statistical treatment of results obtained by uniform technique from a large number of cases.

[Footnote 1: Diagnostik der Geisteskrankheiten, p. 112.]

The stimulus consists of a series of one hundred spoken words, to each of which the subject is directed to react by the first word which it makes him think of. In the selection of the stimulus words, sixty-six of which were taken from the list suggested by Sommer, we have taken care to avoid such words as are especially liable to call up personal experiences, and have so arranged the words as to separate any two which bear an obviously close relation to one another. After much preliminary experimentation we adopted the following list of words:

- 01 Table
- 02 Dark
- 03 Music
- 04 Sickness
- 05 Man
- 06 Deep
- 07 Soft
- 08 Eating
- 09 Mountain
- 10 House
- 11 Black
- 12 Mutton
- 13 Comfort
- 14 Hand
- 15 Short
- 16 Fruit
- 17 Butterfly
- 18 Smooth
- 19 Command
- 20 Chair
- 21 Sweet
- 22 Whistle
- 23 Woman
- 24 Cold
- 25 Slow
- 26 Wish
- 27 River
- 28 White
- 29 Beautiful
- 30 Window
- 31 Rough
- 32 Citizen
- 33 Foot
- 34 Spider
- 35 Needle
- 36 Red
- 37 Sleep

- 38 Anger
- 39 Carpet
- 40 Girl
- 41 High
- 42 Working
- 43 Sour
- 44 Earth
- 45 Trouble
- 46 Soldier
- 47 Cabbage
- 48 Hard
- 49 Eagle
- 50 Stomach

No attempt is made to secure uniformity of external conditions for the test; the aim has been rather to make it so simple as to render strictly experimental conditions unnecessary. The test may be made in any room that is reasonably free from distracting influences; the subject is seated with his back toward the experimenter, so that he cannot see the record; he is requested to respond to each stimulus word by one word, the first word that occurs to him other than the stimulus word itself, and on no account more than one word. If an untrained subject reacts by a sentence or phrase, a compound word, or a different grammatical form of the stimulus word, the reaction is left unrecorded, and the stimulus word is repeated at the close of the test.

In this investigation no account is taken of the reaction time. The reasons for this will be explained later.

The general plan has been first to apply the test to normal persons, so as to derive empirically a normal standard and to determine, if possible, the nature and limits of normal variation; and then to apply it to cases of various forms of insanity and to compare the results with the normal standard, with a view to determining the nature of pathological variation.

## Sec. 2. THE NORMAL STANDARD.

In order to establish a standard which should fairly represent at least all the common types of association and which should show the extent of such variation as might be due to differences in sex, temperament, education, and environment, we have applied the test to over one thousand normal subjects.

Among these subjects were persons of both sexes and of ages ranging from eight years to over eighty years, persons following different occupations, possessing various degrees of mental capacity and education, and living in widely separated localities. Many were from Ireland, and some of these had but recently arrived in this country;

others were from different parts of Europe, but all were able to speak English with at least fair fluency. Over two hundred of the subjects, including a few university professors and other highly practiced observers, were professional men and women or college students. About five hundred were employed in one or another of the New York State hospitals for the insane, either as nurses and attendants or as workers at various trades; the majority of these were persons of common school education, but the group includes also, on the one hand, a considerable number of high school graduates; and on the other hand, a few laborers who were almost or wholly illiterate. Nearly one hundred and fifty of the subjects were boys and girls of high school age, pupils of the Ethical Culture School, New York City. The remaining subjects form a miscellaneous group, consisting largely of clerks and farmers.

### Sec. 3. THE FREQUENCY TABLES.

From the records obtained from these normal subjects, including in all 100,000 reactions, we have compiled a series of tables, one for each stimulus word, showing all the different reactions given by one thousand subjects in response to that stimulus word, and the frequency with which each reaction has occurred. [1] These tables will be found at the end of this paper.

[Footnote 1: A similar method of treating associations has been used by Cattell (*Mind*, Vol. XII, p. 68; Vol. XIV, p. 230), and more recently by Reinhold (*Zeitschr. f. Psychol.*, Vol. LIV, p. 183), but for other purposes.]

With the exception of a few distinctive proper names, which are indicated by initials, we have followed the plan of introducing each word into the table exactly as it was found in the record. In the arrangement of the words in each table, we have placed together all the derivatives of a single root, regardless of the strict alphabetical order.[1]

[Footnote 1: It should be mentioned that we have discovered a few errors in these tables. Some of these were made in compiling them from the records, and were evidently due to the assistant's difficulty of reading a strange handwriting. Other errors have been found in the records themselves. Each of the stimulus words *\_butter\_*, *\_tobacco\_* and *\_king\_* appears from the tables to have been repeated by a subject as a reaction; such a reaction, had it occurred, would not have been accepted, and it is plain that the experimenter wrote the stimulus word in the space where the reaction word should have been written. Still other errors were due to the experimenter's failure to speak with sufficient distinctness when reading off the stimulus words; thus, the reaction *\_barks\_* in response to *\_dark\_* indicates that the stimulus word was probably understood as *\_dog\_*; and the reactions *\_blue\_* and *\_color\_* in response to *\_bread\_* indicate that the stimulus

word was understood as \_red\_.]

The total number of different words elicited in response to any stimulus word is limited, varying from two hundred and eighty words in response to \_anger\_ to seventy-two words in response to \_needle\_. Furthermore, for the great majority of subjects the limits are still narrower; to take a striking instance, in response to \_dark\_ eight hundred subjects gave one or another of the following seven words: \_light, night, black, color, room, bright, gloomy;\_ while only two hundred gave reactions other than these words; and only seventy subjects, out of the total number of one thousand, gave reactions which were not given by any other subject.

If any record obtained by this method be examined by referring to the frequency tables, the reactions contained in it will fall into two classes: the \_common\_ reactions, those which are to be found in the tables, and the \_individual\_ reactions, those which are not to be found in the tables. For the sake of accuracy, any reaction word which is not found in the table in its identical form, but which is a grammatical variant of a word found there, may be classed as

\_doubtful\_.

The value of any reaction may be expressed by the figure representing the percentage of subjects who gave it. Thus the reaction, \_table--chair\_, which was given by two hundred and sixty-seven out of the total of our one thousand subjects, possesses a value of 26.7 per cent. The significance of this value from the clinical standpoint will be discussed later.

#### Sec. 4. NORMAL ASSOCIATIONAL TENDENCIES

The normal subjects gave, on the average. 6.8 per cent of individual reactions, 1.5 per cent of doubtful ones, and 91.7 cent of common ones. The range of variation was rather wide, a considerable number of subjects giving no individual reactions at all, while a few gave over 30 per cent.[1]

[Footnote 1: In the study of the reactions furnished by our normal subjects it was possible to analyze the record of any subject only by removing it from the mass of material which forms our tables, and using as the standard of comparison the reactions of the remaining 999 subjects.]

In order to determine the influence of age, sex, and education upon the tendency to give reactions of various values, we have selected three groups of subjects for special study: (1) one hundred persons of collegiate or professional education; (2) one hundred persons of common school education, employed in one of the State hospitals as attendants, but not as trained nurses; and (3) seventy-eight children

under sixteen years of age. The reactions given by these subjects have been classified according to frequency of occurrence into seven groups: (a) individual reactions (value 0); (b) doubtful reactions (value +-); (c) reactions given by one other person (value 0.1 per cent); (d) those given by from two to five others (value 0.2--0.5 per cent); (e) those given by from six to fifteen others (value 0.6-1.5 per cent); (f) those given by from sixteen to one hundred others (value 1.6--10.0 per cent); and (g) those given by more than one hundred others (value over 10.0 per cent). The averages obtained from these groups of subjects are shown in Table 1, and the figures for men and women are given separately.

TABLE I

Value of reaction		0	+-	0.1	0.2-0.5	0.6-1.5	1.6-10	>10
Sex		Number	%	%	%	%	%	%
		of cases						
Persons of collegiate education	M..	60	9.2	1.8	5.2	9.7	11.0	27.8
	F...	40	9.5	1.8	8.0	9.8	11.7	28.0
	Both	100	9.3	1.8	4.7	8.7	11.8	28.2
Persons of common school education	M..	50	5.8	1.6	8.6	8.3	10.2	81.6
	F..	50	4.6	1.8	8.8	7.1	9.4	82.0
	Both	100	5.2	1.4	3.5	7.7	9.8	81.8
School children under 16 Jr. years of age	M...	33	5.9	0.8	4.2	8.7	10.0	28.6
	F..	45	5.0	1.0	4.6	9.8	11.0	80.1
	Both	78	5.7	1.4	4.6	9.8	11.2	29.4
General average.		Both.1000	6.8	1.5				

It will be observed that the proportion of individual reactions given by the subjects of collegiate education is slightly above the general average for all subjects, while that of each of the other classes is below the general average. In view, however, of the wide limits of variation, among the thousand subjects, these deviations from the general average are no larger than might quite possibly occur by chance, and the number of cases in each group is so small that the conclusion that education tends to increase the number of individual reactions would hardly be justified.

It will be observed also that this comparative study does not show any considerable differences corresponding to age or sex.

With regard to the type of reaction, it is possible to select groups of records which present more or less consistently one of the following special tendencies: (1) the tendency to react by contrasts; (2) the tendency to react by synonyms or other defining terms; and (3) the tendency to react by qualifying or specifying terms. How clearly the selected groups show these tendencies is indicated by Table II. The majority of records, however, present no such tendency in a consistent way; nor is there any evidence to show that these tendencies, when they occur, are to be regarded as manifestations of



permanent mental characteristics, since they might quite possibly be due to a more or less accidental and transient associational direction. No further study has as yet been made of these tendencies, for the reason that they do not appear to possess any pathological significance.

TABLE II.

Special group values.

Stimulus word.	Reaction word.	General value.	Contrasting group 49		Defining group 73		Specifying group 84	
			subjects		subjects		subjects	
		----- % No.	% No.	% No.	% No.	% No.	% No.	% No.
	chair.....	26.7 25	51.0 11	15.1 10	11.9			
1. Table....{	furniture.....	7.5 0 0	13 17.8	4 4.8				
	round.....	1.0 1	2.0 0 0	4 4.5				
	wood.....	7.6 2	4.1 9	12.3 10	11.9			
	cotton.....	2.8 0 0	1 1.4	5 6.0				
	easy.....	3.4 0 0	8 11.0	1 1.2				
	feathers.....	2.4 0 0	1 1.4	5 6.0				
7. Soft....{	hard.....	36.5 34	69.4 14	19.2 18	21.4			
	silk.....	1.0 0 0	0 0	2 2.4				
	sponge.....	2.2 0 0	0 0	4 4.8				
	cloth.....	1.7 1	2.0 0 0	3 3.6				
	color.....	12.9 0 0	20 27.4	6 7.1				
11. Black...{	dress.....	2.9 1	2.0 1	1.4 9	10.7			
	ink.....	1.4 0 0	1 1.4	4 4.8				
	white.....	33.9 31	63.3 17	23.3 18	21.4			
	desire.....	19.7 7	14.3 21	28.8 10	11.9			
26. Wish....{	longing.....	1.9 1	2.0 6	8.2 2	2.4			
	money.....	3.2 0 0	1 1.4	3 3.6				
	flowers.....	4.2 0 0	1 1.4	7 8.3				
	girl.....	2.4 0 0	0 0	5 0.0				
29. Beau-	homely.....	2.7 3	6.1 0 0	0 0	0 0			
tiful..{	lovely.....	6.4 2	4.1 7	9.6 2	2.4			
	pleasing.....	1.6 0 0	3 4.1	0 0				
	sky.....	1.6 0 0	0 0	3 3.6				
	ugly.....	6.6 13	26.5 3	4.1 0	0			
	court.....	6.4 2	4.1 5	6.8 10	11.9			
56. Justice.{	injustice.....	2.6 6	12.2 1	1.4 0	0			
	right.....	15.7 3	6.1 20	27.4 13	15.5			
	comfort.....	2.6 0 0	5 6.8	1 1.2				
	disease.....	0.9 2	4.1 0 0	1 1.2				
59. Health..{	good.....	9.4 2	4.1 8	11.0 18	21.4			

sickness..... 15.3 23 46.9 6 8.2 1 1.2  
strength..... 11.2 2 4.1 12 16.4 4 4.8

arrow..... 1.3 0 0 0 0 2 2.4  
fast..... 22.2 0 0 25 34.2 15 17.9  
horse..... 2.8 1 2.0 1 1.4 6 7.1

65. Swift...{ quick..... 11.7 1 2.0 22 30.1 2 2.4  
run..... 1.9 0 0 0 0 4 4.8  
runner..... 1.3 0 0 0 0 1 1.2  
slow..... 19.0 30 61.2 2 2.7 4 4.8  
speed..... 2.9 1 2.0 5 6.8 0 0

disagreeable.... 1.0 0 0 2 2.7 0 0  
distasteful..... 1.0 0 0 4 5.5 0 0  
gall..... 4.2 0 0 2 2.7 8 9.5

76. Bitter..{ medicine..... 3.7 0 0 0 0 3 3.6  
quinine..... 2.3 0 0 0 0 6 7.1  
sweet..... 30.5 31 63.3 8 11.0 12 14.3  
taste..... 6.6 1 2.0 17 23.3 3 3.6

bread..... 20.6 17 34.7 4 5.5 18 21.4

eatable..... 1.2 0 0 9 12.3 0 0

81. Butter..{ food..... 6.3 1 2.0 14 19.2 3 3.6  
sweet..... 1.2 0 0 0 0 3 3.6  
yellow..... 8.0 0 0 0 0 18 21.4

gladness..... 4.4 0 0 7 9.6 1 1.2  
grief..... 1.8 4 8.2 0 0 0 0

86. Joy.....{ pleasure..... 12.1 1 2.0 13 17.8 7 8.3  
sadness..... 1.3 2 4.1 0 0 0 0  
sorrow..... 13.5 23 46.9 2 2.7 2 2.4

## Sec. 5. PRACTICAL CONSIDERATIONS.

This method is so simple that it requires but little training on the part of the experimenter, and but little co-operation on the part of the subject. It is not to be assumed that every reaction obtained by it is a true and immediate association to the corresponding stimulus word; but we have found it sufficient for the purpose of the test if the subject can be induced to give, in response to each stimulus word, any one word other than the stimulus word itself. No attempt is made to determine the exact degree of co-operation in any case.

In the early stages of this investigation the reaction time was regularly recorded. The results showed remarkable variations, among both normal and insane subjects. In a series of twenty-five tests, made more recently upon normal subjects, ninety reactions occupied more than ten seconds, and fifty-four of the stimulus words elicited a

ten-second response from at least one subject.[1]

[Footnote 1: These tests were made by Dr. F. Lyman Wells, of the McLean Hospital, Waverley, Mass., and he has kindly furnished these data.]

It is noteworthy that these extremely long intervals occur in connection with reactions of widely differing values. That they are by no means limited to individual reactions is shown in Table III. by a group of selected reactions, all given by normal subjects.

TABLE III.

Word combination	Reaction time in seconds.	Value of reaction.
comfort--happiness	20	5.0%
short--long	11	27.9%
smooth--plane	16	2.3%
woman--lady	40	4.1%
hard--iron	12	2.4%
justice--judge	20	9.1%
memory--thought	20	8.1%
joy--pleasure	18	12.1%

It is apparent, even from a superficial examination of the material, that the factors which cause variations of reaction time, both in the normal state and in pathological states, are numerous and complex.

It has been the purpose of this study to establish as far as possible strictly objective criteria for distinguishing normal from abnormal associations, and for this reason we have made no attempt to determine by means of introspection the causes of variations of reaction time.

It would seem that the importance and magnitude of the problem of association time are such as to demand not merely a crude measurement of the gross reaction time in a large number of cases, but rather a special investigation by such exact methods as have been used by Cattell [1] and others in the analysis of the complex reaction. It would be impracticable for us to employ such methods in a study so extensive as this.

[Footnote 1: Mind, Vol. XI, 1886.]

In view of these considerations we discontinued the recording of the reaction time.

If the association test is to be useful in the study of pathological conditions, it is of great importance to have a reliable measure of the associational value of a pair of ideas. Many attempts have been made to modify and amplify the classical grouping of associations according to similarity, contrast, contiguity, and sequence, so as to

make it serviceable in differentiating between normal and abnormal associations.

In this study we attempted to apply Aschaffenburg's [1] classification of reactions, but without success. Our failure to utilize this system of classification is assigned to the following considerations: (1) Distinctions between associations according to logical relations are extremely difficult to define; in many cases there is room for difference of opinion as to the proper place for an association, and thus the application of a logical scheme depends largely upon the personal equation of the observer; that even experienced observers cannot, in all cases, agree in placing an association is shown by Aschaffenburg's criticisms of the opinions of other observers on this point.[2] (2) Logical distinctions do not bring out clearly the differences between the reactions of normal subjects and those of insane subjects; logically, the reaction `_bath--ink_`, which was given by a patient, might be placed in the class with the reaction `_bath--water_`, although there is an obvious difference between the two reactions. (3) Many of the reactions given by insane subjects possess no obvious logical value whatever; but since any combination of ideas may represent a relationship, either real or imagined, it would be arbitrary to characterize such a reaction as incoherent.

[Footnote 1: Experimentelle Studien über Association. Psychologische Arbeiten, Vol. I, p. 209; Vol. II, p. 1; Vol. IV, p. 235.]

[Footnote 2: Loc. cit, Vol. 1, pp. 226-227.]

The criterion of values which is used in this study is an empirical one. As has already been explained (p. 8), every word contained in the frequency tables possesses a value of at least 0.1 per cent, and other words have a zero value. With the aid of our method the difficulty of classifying the reactions quoted above is obviated, as it is necessary only to refer to the table to find their proper values: the value of the reaction `_bath--water_` is 33.9 per cent, while that of the reaction `_bath--ink_` is 0.

Logically the combination `_health--wealth_` may be placed in any one of four classes, as follows:

```
      / intrinsic / causal dependence
health--wealth /      \ coordination
      \
      \ extrinsic / speech reminiscence
      \ sound similarity
```

But since our table shows this association to have an empirical value of 7.6 per cent, it becomes immaterial which of its logical relations is to be considered the strongest. It is mainly important, from our point of view, to separate reactions possessing an empirical value from those whose value is zero.

## Sec. 6. AN EMPIRICAL PRINCIPLE OF NORMAL ASSOCIATION.

On a general survey of the whole mass of material which forms the basis of the first part of this study, we are led to observe that \_the one tendency which appears to be almost universal among normal persons is the tendency to give in response to any stimulus word one or another of a small group of common reactions\_.

It appears from the pathological material now on hand that this tendency is greatly weakened in some cases of mental disease. Many patients have given more than 50 per cent of individual reactions.

It should be mentioned that occasionally a presumably normal subject has given a record very similar to those obtained from patients, in respect to both the number and the nature of the individual reactions. A few subjects who gave peculiar reactions were known to possess significant eccentricities, and for this reason we excluded their records from the thousand records which furnished the basis for the frequency tables; we excluded also a few peculiar records obtained from subjects of whom nothing was known, on the ground that such records would serve only to make the tables more cumbersome, without adding anything to their practical value. The total number of records thus excluded was seventeen.

It will be apparent to anyone who examines the frequency tables that the reactions obtained from one thousand persons fall short of exhausting the normal associational possibilities of these stimulus words. The tables, however, have been found to be sufficiently inclusive for the practical purpose which they were intended to serve. Common reactions, whether given by a sane or an insane subject, may, in the vast majority of instances, safely be regarded as normal. As to individual reactions, they cannot all be regarded as abnormal, but they include nearly all those reactions which are worthy of special analysis in view of their possible pathological significance. What can be said further of individual reactions, whether normal or abnormal, will appear in the second part of this contribution.

## PART II.

### ASSOCIATION IN INSANE SUBJECTS.

#### Sec. 1. GENERAL SURVEY OF PATHOLOGICAL MATERIAL.

The pathological material which forms the basis of the present part of our study consists mainly of two hundred and forty-seven test records obtained for the most part from patients at the Kings Park State Hospital.

The different groups from which the cases were selected, together with the number from each group, are shown in Table I.

TABLE I.

Dementia praecox	108 cases.
Paranoic conditions	33 "
Epilepsy	24 "
General Paresis	32 "
Manic-depressive insanity	32 "
Involuntary melancholia	8 "
Alcoholic psychoses	6 "
Senile dementia	4 "

A comparison of our pathological with our normal material \_en masse\_ reveals in the former evidence of a weakening of the normal tendency to respond by common reactions. This is shown in Table II.

TABLE II.

	Common reactions.	Doubtful reactions.	Individual reactions.
1,000 normal subject	91.7%	1.5%	6.8%
247 insane subjects	70.7%	2.5%	26.8%

It seems evident from this that pathological significance attaches mainly to individual reactions, so that our study resolves itself largely into (1) an analysis and classification of individual reactions and (2) an attempt to determine what relationship, if any, exists between the different types of reactions and the different clinical forms of mental disease.

## Sec. 2. CLASSIFICATION OF REACTIONS.

Those who have attempted to use the association test in the study of insanity have felt the need of a practical classification of reactions, and have at the same time encountered the difficulty of establishing definite criteria for distinguishing the different groups from one another. It is a comparatively simple matter to make these

distinctions in a general way and even to formulate a more or less comprehensive theoretical classification, but there still remains much difficulty in practice. We have made repeated attempts to utilize various systems of classification which involve free play of personal equation in their application. Although for us the matter is greatly simplified by the elimination of all the common reactions with the aid of the frequency tables, we have nevertheless met with no success. The distinctions made by either of us have on no occasion fully satisfied, at the second reading, either the one who made them or the other, while a comparison of the distinctions made by each of us independently has shown a disagreement to the extent of 20-35 per cent.

We sought, therefore, to formulate a classification in which the various groups should be so defined as to obviate the interference of personal equation in the work of applying it, hoping thus to achieve greater accuracy. In this we can lay claim to only partial success; for, in the first place, having satisfactorily defined a number of groups, we found it necessary in the end to provide a special group for unclassified reactions, into which falls more than one-third of the total number of individual reactions; and, in the second place, in at least two of our groups the play of personal equation has not been entirely eliminated, so that there is still a possibility of error to the extent of five per cent of individual reactions, which means approximately one per cent of the total number of reactions. We have found, however, that in spite of these shortcomings the classification here proposed is more serviceable than others which, though more comprehensive, are at the same time lacking in definiteness.

Our classification consists of the following classes, groups and subdivisions:

I. \_Common reactions.\_

1. Specific reactions.
2. Non-specific reactions.

II. \_Doubtful reactions.\_

III. \_Individual reactions.\_

1. Normal reactions.
2. Pathological reactions:
  - A. Derivatives of stimulus words.
  - B. Partial dissociation:
    - (a) Non-specific reactions.
    - (b) Sound reactions:
      - a. Words.
      - b. Neologisms.
    - (c) Word complements.
    - (d) Particles of speech.
  - C. Complete dissociation:
    - (a) Perseveration:
      - a. Association to preceding stimulus.
      - b. Association to preceding reaction.

- c. Repetition of preceding stimulus.
  - d. Repetition of previous stimulus.
  - e. Repetition of preceding reaction.
  - f. Repetition of previous reaction.
  - g. Reaction repeated five times (stereotypy).
- (b) Neologisms without sound relation.
3. Unclassified.

### Sec. 3. NON-SPECIFIC REACTIONS; DOUBTFUL REACTIONS.

\*Non-specific Reactions.\*--It has already been intimated that common reactions are in the vast majority of instances to be regarded as normal. From amongst them, however, a fairly definite group can be separated out which seems to possess some pathological significance, namely, the group which we have termed non-specific.

In this group are placed words which are so widely applicable as to serve as more or less appropriate reactions to almost any of our stimulus words. That such reactions are in value inferior to the remaining group of common reactions, which we have termed, in contradistinction, \_specific reactions\_, is perhaps sufficiently obvious; we shall speak later, however, of their occurrence in both normal and insane cases.

It is not always easy to judge whether or not a given reaction should be classed as non-specific. A study of our material made with special reference to this type of reactions has enabled us to select the following list of words, any of which, occurring in response to any stimulus word, is classed as a non-specific reaction:

article, articles  
 bad  
 beautiful, beauty  
 fine  
 good, goodness  
 great  
 happiness, happy  
 large  
 man  
 necessary, necessity  
 nice

object (noun)  
 people  
 person  
 pleasant, pleasantness, pleasing, pleasure  
 pretty  
 small  
 thinking, thought, thoughts  
 unnecessary



unpleasant  
use, used, useful, usefulness, useless, uselessness, uses, using  
woman  
work

It should be mentioned that some of these words occur as reactions to one or several stimulus words with such frequency (\_citizen--man\_, value 27.8 per cent; \_health--good\_, value 9.4 per cent) as to acquire in such instances a value as high as that of strictly specific reactions.

\*Doubtful Reactions\* have already been defined (p.40): any reaction word which is not found in the table in its identical form, but which is a grammatical variant or derivative of a word found there, is placed in this group.

#### Sec. 4. INDIVIDUAL REACTIONS; EXPLANATION OF GROUPS AND METHODS OF APPLICATION.

\*Normal Reactions.\*--Inasmuch as the frequency tables do not exhaust all normal possibilities of reaction, a certain number of reactions which are essentially normal are to be found among the individual reactions. In order to separate these from the pathological reactions, we have compiled an appendix to the frequency tables, consisting mainly of specific definitions of groups of words to be included under each stimulus word in our list. This appendix will be found at the end of this paper.

A word of explanation is perhaps due as to the manner in which the appendix has been compiled. It was developed in a purely empirical way, the basis being such individual reactions, given by both normal and insane subjects, as seemed in our judgment to be obviously normal.

It must be acknowledged that the appendix falls short of all that might be desired. In the first place, its use involves to some slight extent the play of personal equation, and it therefore constitutes a source of error; in the second place, it is in some respects too inclusive while in other respects it is not sufficiently so. However, the error due to personal equation is slight; the inclusion of certain "far-fetched" or even frankly pathological reactions may be discounted by bearing in mind that the general value of this group is not equal to that of the group of common reactions; and the number of strictly normal reactions which are not included is after all small. Our experience has shown us that the appendix constitutes an important aid in the analysis of individual reactions.

\*Pathological Reactions. Derivatives of Stimulus Words.\*--We place here any reaction which is a grammatical variant or derivative of a stimulus word. The tendency to give such reactions seems to be dependent upon a suspension or inhibition of the normal process by

which the stimulus word excites the production of a new concept, for we have here not a production of a new concept but a mere change in the form of the stimulus word. As examples of such reactions may be mentioned: \_eating--eatables\_, \_short--shortness\_, \_sweet--sweetened\_, \_quiet--quietness\_.

**\*Partial Dissociation.\***--We have employed the term dissociation to indicate a rupture of that bond--whatever be its nature--which may be supposed to exist normally between stimulus and reaction and which causes normal persons to respond in the majority of instances by common reactions. And we speak of partial dissociation where there is still an obvious, though weak and superficial, connection. Under this heading we can differentiate four types:

**\*Non-specific Reactions\*** have already been defined; we distinguish those in this class from those in the class of common reactions by means of the frequency tables.

**\*Sound Reactions.\***--This type requires no explanation; the main difficulty is to decide what degree of sound similarity between stimulus and reaction should be deemed sufficient for placing a reaction under this heading. The total number of different sounds used in language articulation is, of course, small, so that any two words are liable to present considerable chance similarity. Some time ago we estimated the average degree of sound similarity between stimulus words and reaction words in a series of one hundred test records obtained from normal persons; we found that on the average 14.53 per cent of the sounds of the stimulus words were reproduced, in the same order, in the reaction word. Our experience finally led us to adopt the following general rule: A reaction is to be placed under this heading when fifty per cent of the sounds of the shorter word of the pair are identical with sounds of the longer word and are ranged in the same order.

Among sound reactions we occasionally find **\*neologisms\***; for these a separate heading is provided. Possibly their occurrence may be taken as an indication of an exaggerated tendency to respond by sound reactions.

**\*Word Compliments.\***--Here we include any reaction which, added to the stimulus word, forms a word, a proper name, or a compound word in common use.

**\*Particles of Speech.\***--Under this heading we include articles, numerals, pronouns, auxiliary verbs, adverbs of time, place and degree, conjunctions, prepositions, and interjections.

**\*Complete Dissociation.\***--Here are included reactions which appear to be entirely unrelated to the corresponding stimulus words; in the case of such reactions the stimulus words seem to act, as Aschaffenburg has pointed out, merely as signals for discharge. This subdivision contains several types of reactions which seem to be dependent upon the phenomenon of perseveration; it contains also the

rather important type of neologisms.

The phenomenon of \*preservation\* occurs in cases in which one may observe an abnormal immobility of attention. To react normally to a series of stimulus words requires on the part of the subject, in the first place, a certain alertness in order that he may grasp quickly and clearly the meaning of each word, and, in the second place, a prompt shifting of the mind from one reaction to the next. When such mental mobility is lacking the subject is liable to react not by a response adjusted to the stimulus word, but either by repeating a previous stimulus or reaction, or by giving a word associated to the preceding stimulus or reaction.

The names of the different types of reactions included under the heading of perseveration are sufficiently descriptive; we shall here refer only to those which require further definition.

\*Association to Preceding Stimulus.\*--Here is placed any reaction that is shown by the frequency tables to be related to the stimulus preceding the one in question. Seeming or even obvious relationship, if not established by reference to the frequency tables, is disregarded. In the tables, however, the combination may not exist in direct order but only in reverse order, in which case the reaction is included here. The following examples may serve as illustrations:

\_thief--night\_  
\_lion--pocket-book\_

\_Lion--pocket-book\_ is not found in the frequency tables, and is, therefore, an individual reaction; \_thief--pocket-book\_, however, is found there; \_pocket-book\_ is, therefore, classed in this case as an association to preceding stimulus.

\_table--fork\_  
\_dark--mutton\_

\_Dark--mutton\_ is not found in the frequency tables; \_table--mutton\_ is also not found there in the direct order, but is found in the reverse order, viz.: \_mutton--table; mutton\_ is, therefore, classed in this case as an association to preceding stimulus.

\*Association to Preceding Reaction.\*--If either the reaction in question or the preceding reaction happens to be one of the stimulus words in our list, and a relationship between the two be found to exist by reference to the frequency tables--whether in direct or in reverse order--the reaction in question is classed as an association to preceding reaction. This is illustrated by the following examples:

\_eating--table\_  
\_mountain--floor\_

\_Mountain--floor\_ is an individual reaction; \_table--floor\_

is found in the frequency tables; \_floor\_ is, therefore, classed as an association to preceding reaction.

\_beautiful--flowers\_  
\_window--red\_

\_Window--red\_ is an individual reaction; \_red--flowers\_ is found in the frequency tables; therefore, \_red\_ is classed as an association to preceding reaction.

In cases in which neither the reaction in question nor the preceding reaction happens to be one of our stimulus words, but a relationship between them may be judged to exist without considerable doubt, the reaction in question is also classed here. Example:

\_priest--father\_  
\_ocean--mother\_

\_Ocean--mother\_ is an individual reaction; neither the word \_father\_ nor the word \_mother\_ is among our stimulus words; but the association between the words \_father\_ and \_mother\_ may be judged to exist without considerable doubt; therefore, in this case \_mother\_ is classed as an association to preceding reaction.

In such cases as this personal equation must necessarily come into play; comparative uniformity of judgment may, however, be attained by systematically excluding any reaction the relationship of which to the preceding reaction is subject to any considerable doubt and by placing any such reaction in the unclassified group.

**\*Repetition of Previous Stimulus.\***--Here we place any reaction which is a repetition of any previous stimulus from amongst the ten next preceding, at the same time placing **\*repetition of preceding stimulus\*** under a separate heading.

**\*Neologisms.\***--Here we place the newly coined words, so commonly given by the insane, excepting such as possess a sound relationship to the stimulus word, for which, as already stated, a special place in the classification has been provided.

Neologisms might be divided into three types, as follows: (1) those which arise from ignorance of language (\_comfort--uncomfort, short--diminiature\_); (2) distortions of actual words, apparently of pathological origin and not due to ignorance (\_hungry--foodation, thief--dissteal\_); and (3) those which seem to be without any meaning whatever (\_scack, gehimper, hanrow, dicut\_). It is, however, impossible to draw clear-cut distinctions between these types, and for this reason we have made no provision in our classification for such division.

**\*Unclassified Reactions.\***--This group is important, in the first place, because it is numerically a large one, and in the second place,

because it contains certain fairly definite types of reactions which are placed here for the sole reason that we have not been able to find strictly objective criteria for their differentiation from other types.

It has already been stated that the frequency tables, even together with the appendix, fail to exhaust all normal possibilities of association, so that a certain small number of perfectly normal reactions must fall into the unclassified group. We submit the following examples:

\_music--listen\_  
\_smooth--suave\_  
\_sour--curdled\_  
\_earth--mound\_

Another type of reactions found in the unclassified group, though also normal, yet not obviously so until explained by the subject, is represented by those which originate from purely personal experiences, such as the following, given by normal subjects:

\_blossom--T.....\_  
\_hammer--J.....\_

The first of these reactions is explained by the subject's acquaintance with a young lady, Miss T...., who has been nick-named "Blossom," and the second is explained by the subject's having among her pupils at school a boy by the name of J.... Hammer.

It would be difficult to estimate the proportion of such reactions in the unclassified group, but we have gained the general impression that it is small. An attempt to place them in a separate group could be made only with the aid of explanations from the subjects; such aid in the case of insane subjects is generally unreliable. Moreover, to class these reactions as strictly normal would perhaps be going too far, since their general value is obviously inferior to that of the common reactions; and in any case in which they are given in unusually large numbers they must be regarded as manifestation of a tendency to depart from the normal to the extent to which they displace common reactions. The next type of reactions met with in the unclassified group is characterized by a peculiarly superficial, or non-essential, or purely \_circumstantial\_ relationship to the stimulus. Such reactions, though occasionally given by normal subjects, are more often given by insane ones, and seem to be somewhat characteristic of states of mental deterioration which are clinically rather loosely described as puerilism. We offer the following examples, given by normal subjects:

\_music--town\_  
\_sickness--summer\_  
\_child--unknown\_  
\_house--enter\_

Still another type of reactions to be considered in this connection consists of words which are in no way related to the corresponding stimulus words, but which arise from \_distraction\_ of the subject by surrounding objects, sounds, and the like. In some cases the experimenter may be able to judge from the direction of the subject's gaze, from a listening attitude, and so on, that certain reactions are due to distraction. In other cases, particularly in cases of normal subjects, the fact that certain reactions are due to distraction may be determined by questioning the subject on this point immediately after making the test; In work with insane subjects, as we have several times had occasion to point out, such aid is generally not available.

The group of unclassified reactions includes also one more type of reactions which are of great importance both numerically and otherwise. These are the \*incoherent reactions\*, that is to say, reactions which are determined neither by the stimulus words, nor by the agency of perseveration, nor by distraction.

Although the occurrence of incoherent reactions is hardly subject to doubt, yet in no instance is it possible to establish with certainty that a given reaction is of this type, for in no instance can a remote, or an imagined, or a merely symbolic relationship between stimulus and reaction be positively excluded. Some, indeed, would assert that some such relationship must necessarily exist in every instance, at least in the domain of the subconscious. This circumstance necessitates the placing of this type of reactions in the unclassified group.

In practice it may be found advisable in some cases to analyze the unclassified reactions with a view to ascertaining to what extent each of the various types is represented among them. But one here treads on slippery ground, and one must be continually warned against the danger of erroneous conclusions.

#### Sec. 5. ORDER OF PREFERENCE.

After having developed the classification here proposed we found that there was still considerable room for difference of opinion in the placing of many reactions, owing to the circumstance that in many cases a reaction presents features which render it assignable under any one of two or more headings. To leave the matter of preference in grouping: to be decided in each case according to the best judgment of the experimenter would mean introducing again the play of personal equation, and would thus court failure of all our efforts to accomplish a standardization of the association test. Therefore, the necessity of establishing a proper order of preference for guidance in the application of the classification became to us quite apparent.

In the arrangement of the order of preference we were guided mainly by

two principles, namely: (i) as between two groups of unequal definition, the one which is more clearly defined and which, therefore, leaves less play for personal equation is to be preferred; (2) as between two groups of equal definition, the one which possesses the greater pathological significance is to be preferred. In accordance with these principles we have adopted the order of preference shown in Table III., placing every reaction under the highest heading on the list under which it may be properly classed.

TABLE III

1. Non-specific (common).
2. Doubtful reactions.  
INDIVIDUAL REACTIONS.
3. Sound reactions (neologisms).
4. Neologisms without sound relation.
5. Repetition of preceding reaction.
6. Reaction repeated five times.
7. Repetition of preceding stimulus.
8. Derivatives.
9. Non-specific reactions.
10. Sound reactions (words).
11. Word complements.
12. Particles of speech.
13. Association to preceding stimulus.
14. Association to preceding reaction (by frequency tables).
15. Repetition of previous reaction.
16. Repetition of previous stimulus.
17. Normal (by appendix).
18. Association to preceding reaction (without frequency tables).
19. Unclassified.

#### Sec. 6. ERRORS INVOLVED IN THE USE OF ARBITRARY OBJECTIVE STANDARDS.

It may readily be seen that such definiteness and uniformity as this classification possesses results from the introduction of more or less arbitrary criteria for the differentiation of the various types of reactions. The question might arise, To what extent do the distinctions thus made correspond to reality? To consider, for instance, our rule for the placing of sound reactions (50 per cent of the sounds of the shorter word to be present, in the same order, in the other word): when a given reaction (\_man--minstrel\_) is in accordance with the rule assigned under the heading of sound reactions, can it be assumed that sound similarity and not some other relationship is the determining factor of the association in question? Or when in a given instance (\_cabbage--cobweb\_) the sound similarity falls somewhat short of the standard required by the rule, can it be assumed that sound similarity is not, after all, the determining factor?

Similar questions may, of course, arise in connection with other subdivisions.

It must, indeed, be conceded that objective methods can reveal but indirectly and with uncertainty the inner mechanism which produces any association and that in any given instance it would be impossible to establish the correctness of grouping in accordance with such

methods. However, to decide that question for any given reaction is really not necessary in practice, since an error made through wrongly placing one, two, or three reactions under any heading is of no significance; the types acquire importance only when represented by large numbers in a record under consideration; and when many reactions fall under a single heading the likelihood of error, as affecting the record as a whole, is by that fact alone greatly reduced.

The whole question might more profitably be approached from another point of view: To what extent are the distinctions of this classification useful? An answer to this question can be found only in the results.

## Sec. 7. ANALYSIS OF PATHOLOGICAL MATERIAL

We present in Table IV, the results of a statistical examination of the records obtained from certain groups of normal subjects and from some groups of insane subjects.

The normal groups have been studied for the purpose of determining the frequency and manner of occurrence among normal subjects of the various of abnormal reactions. It seemed best for this purpose to consider separately the records of those subjects who gave an unusually large number of individual reactions. Fifty-three records containing fifteen or more individual reactions were found after a fairly diligent search among our normal test records. In the other groups of subjects--persons of common school education, persons of collegiate education, and children--we included no records containing more than ten individual reactions.

The more striking departures from average normal figures are indicated in the table by the use of heavy type.

This table reveals associational tendencies as occurring in connection with the psychoses studied. A better insight into the nature of these tendencies can be gained by a special analysis of the test of each clinical group.

## DEMENTIA PRAECOX





- B. Average per cent of all reactions.
- C. Average per cent of individual reactions.

66 normal subjects, collegiate education; records containing not over 10 individual reactions.

- D. Median per cent of all reactions.
- E. Average per cent of all reactions.
- F. Average per cent of individual reactions.

46 normal subjects, school children; records containing not over 10 individual reactions.

- G. Median per cent of all reactions.
- H. Average per cent of all reactions.
- I. Average per cent of individual reactions.

53 normal subjects; records containing not under 15 individual reactions.

- J. Median per cent of all reactions.
- K. Average per cent of all reactions.
- L. Average per cent of individual reactions.

108 cases of dementia praecox.

- M. Median per cent of all reactions.
- N. Average per cent of all reactions.
- O. Average per cent of individual reactions.

33 cases of paranoic conditions.

- P. Median per cent of all reactions.
- Q. Average per cent of all reactions.
- R. Average per cent of individual reactions.

24 cases of epilepsy.

- S. Median per cent of all reactions.
- T. Average per cent of all reactions.
- U. Average per cent of individual reactions.

32 cases of general paresis.

- V. Median per cent of all reactions.
- W. Average per cent of all reactions.
- X. Average per cent of individual reactions.

32 cases of manic-depressive insanity.

- Y. Median per cent of all reactions.
- Z. Average per cent of all reactions.
- AA. Average per cent of individual reactions.

While almost every type of individual reactions shows here an increase over the normal averages, the most striking increases are shown by the table to be in the groups of unclassified reactions, neologisms, sound reactions, and some types of perseveration. A further examination of the individual test records shows that there is no uniformity of associational tendencies in this clinical group, but that several tendencies are more or less frequently met with either alone or in various combinations. Yet some of these tendencies, when appearing at all prominently, are so highly characteristic of dementia praecox as to be almost pathognomonic. Among these may be mentioned: (1) the tendency to give neologisms, particularly those of the senseless type; (2) the tendency to give unclassified reactions largely of the incoherent type; and (3) the tendency toward stereotypy manifested chiefly by abnormally frequent repetitions of the same reaction. Fairly characteristic also is the occasional tendency to give sound reactions. Again, occasionally one encounters pronounced perseveration, and at least two of our subjects gave a good many unclassified reactions obviously due to distraction.

It must be noted that not infrequently cases of dementia praecox give test records that cannot be distinguished from normal. It seems that the pathological associational tendencies constitute merely a special group of symptoms, some of which may be expected to be manifest in cases which have reached a state of advanced mental deterioration, but may not necessarily be present in the early stages of the disease. On the other hand there is evidence to show that these tendencies may in some cases appear among the earliest manifestations. This matter will be referred to again.

Thus the test records of dementia praecox depart from the normal not sharply but by a gradual shading off. We find similar gradual transitions between dementia praecox and other psychoses. For this work we selected cases in which the diagnoses were established with reasonable certainty. Whether or not in cases of doubtful clinical classification this association test may be of aid in determining the diagnosis, is a question that must for the present remain open.

We submit herewith copies of test records. The numbers which appear after the reactions indicate in each case the reaction type, in accordance with Table III. (p. 27); common specific reactions are not numbered.

CASE No. 4752.--H.J. Neologisms; some unclassified reactions, mostly incoherent.

Table--meadow.....19

Dark--black.....

Music--sweet.....

Sickness--dead..... 2

Man--manion..... 3  
Deep--near.....19  
Soft--sooner.....19  
Eating--formble..... 4  
Mountain--gair..... 4  
House--temble..... 4  
Black--benched..... 4  
Mutton--ranched..... 4  
Comfort--bumble..... 4  
Hand--semble..... 4  
Short--simber..... 4  
Fruit--narrow.....13  
Butterfly--Ben.....19  
Smooth--gum.....19  
Command--bramble.....19  
Chair--low.....  
Sweet--temper.....19  
Whistle--bensid..... 4  
Woman--hummary..... 4  
Cold--gunst..... 4  
Slow--bemper..... 4  
Wish--tip.....19  
River--gumper..... 4  
White--Andes.....19  
Beautiful--giinper.... 4  
Window--hummer..... 4  
Rough--geep..... 4  
Citizen--humper..... 4  
Foot--zuper..... 4  
Spider--gumper..... 4  
Needle--himper..... 4  
Red--gumper..... 4  
Sleep--moop..... 4  
Anger--rumble.....19  
Carpet--slamper..... 4  
Girl--Mnker..... 4  
High--bumper..... 4  
Working--gumpip..... 4  
Sour--imper..... 4  
Earth--gumper..... 4  
Trouble--humper..... 4  
Soldier--guipper..... 4  
Cabbage--phar..... 4  
Hard--her.....12  
Eagle--damnornott.... 4  
Stomach--dumper..... 4  
Stem--gumper..... 4  
Lamp--huntenit..... 4  
Dream--hungnot..... 4  
Yellow--bampir..... 4  
Bread--gumper..... 4  
Justice--sidnerber.... 4  
Boy--eeper..... 4

Light--huntznit..... 4  
 Health--geeper..... 4  
 Bible--himpier..... 4  
 Memory--hummer.....19  
 Sheep--hunner..... 4  
 Bath--bemnitper..... 4  
 Cottage--gumper..... 4  
 Swift--dumper..... 4  
 Blue--dipper.....19  
 Hungry--hummer..... 3  
 Priest--rump.....19  
 Ocean--himmer..... 4  
 Head--hiniper..... 4  
 Stove--gamper..... 4  
 Long--humble.....19  
 Religion--gumper..... 4  
 Whiskey--numper..... 4  
 Child--himmer..... 4  
 Bitter--gehimper..... 3  
 Hammer--gueep..... 4  
 Thirsty--humper..... 4  
 City--deeper.....19  
 Square--bummer..... 4  
 Butter--bimper..... 3  
 Doctor--harnier..... 4  
 Loud--harnier..... 4  
 Thief--himmer..... 4  
 Lion--humor.....19  
 Joy--gumpier..... 4  
 Bed--hoomer..... 4  
 Heavy--doomer..... 4  
 Tobacco--per.....12  
 Baby--hoomer..... 4  
 Moon--gumper..... 4  
 Scissors--gumper..... 4  
 Quiet--humper..... 4  
 Green--gueet..... 3  
 Salt--rummer..... 4  
 Street--numper..... 4  
 King--himper..... 4  
 Cheese--guintier..... 4  
 Blossom--yunger..... 4  
 Afraid--yunger..... 4

CASE No. 5183.--G. D. Neologisms; numerous unclassified reactions, mostly incoherent; some sound neologisms.

Table--muss.....19  
 Dark--gone.....19  
 Music--caffa..... 4  
 Sickness--monk.....19  
 Man--boy.....

Deep--lesson.....19  
Soft--ness..... 4  
Eating--pie.....  
Mountain--Gus.....19  
House--muss.....15  
Black--court.....19  
Mutton--beef.....  
Comfort--ness..... 4  
Hand--koy..... 4  
Short--ness..... 4  
Fruit--dalb..... 4  
Butterfly--flack..... 4  
Smooth--mess.....19  
Command--cork.....19  
Chair--ness..... 4  
Sweet--Bess.....17  
Whistle--toy.....  
Woman--girl.....  
Cold--cork.....15  
Slow--mass.....19  
Wish--veil..... 4  
River--mouth.....17  
White--cast.....17  
Beautiful--ness..... 4  
Window--crow.....19  
Rough--ratter.....19  
Citizen--zide..... 4  
Foot--malloy..... 4  
Spider--straw.....19  
Needle--cast.....15  
Red--Roman.....19  
Sleep--scack..... 4  
Anger--gois..... 4  
Carpet--noise.....13  
Girl--call.....18  
High--hort..... 4  
Working--kaffir.....19  
Sour--romerscotters... 4  
Earth--bell.....19  
Trouble--tramine..... 4  
Soldier--gas.....19  
Cabbage--cor..... 4  
Hard--kalbas..... 4  
Eagle--bell.....15  
Stomach--chenic..... 4  
Stem--trackstar..... 3  
Lamp--loss.....19  
Dream--melso..... 4  
Yellow--ormondo..... 4  
Bread--life.....  
Justice--quartz.....19  
Boy--nellan..... 4  
Light--cor..... 4

Health--hallenbee..... 4  
 Bible--book.....  
 Memory--bike.....19  
 Sheep--armen..... 4  
 Bath--cor..... 4  
 Cottage--callan..... 4  
 Swift--swar..... 3  
 Blue--blacksen..... 4  
 Hungry--scatterbuck... 4  
 Priest--canon.....17  
 Ocean--men.....19  
 Head--will.....19  
 Stove--somen..... 4  
 Long--lass.....19  
 Religion--cor..... 4  
 Whiskey--hanrow..... 4  
 Child--vand..... 4  
 Bitter--bike.....15  
 Hammer--hemmel..... 3  
 Thirsty--cass..... 4  
 City--cor..... 4  
 Square--malice.....19  
 Butter--back.....19  
 Doctor--ness..... 4  
 Loud--arman..... 4  
 Thief--cast.....15  
 Lion--loss.....15  
 Joy--kaffir.....15  
 Bed--banrow..... 4  
 Heavy--cast.....15  
 Tobacco--colrow..... 4  
 Baby--boil.....19  
 Moon--padoc..... 4  
 Scissors--kantow..... 4  
 Quiet--kilroe..... 4  
 Green--graft.....10  
 Salt--semen.....19  
 Street--pess..... 4  
 King--guess.....19  
 Cheese--tiffer..... 4  
 Blossom--cad.....19  
 Afraid--mellows.....19

CASE No. 1500.--D.V. Considerable number of neologisms; stereotypy manifested partly in a tendency toward frequent repetition of certain reactions but mainly in a persistent tendency to make use of the grammatical form of present participle, giving rise to numerous doubtful reactions.

Table--stand.....  
 Dark--lonesome.....  
 Music--playing.....

Sickness--disease.....  
Man--hiding..... 19  
Deep--unreckless..... 4  
Soft--beginning.....19  
Eating--plenty.....  
Mountain--high.....  
House--standing..... 6  
Black--grivelling..... 4  
Mutton--plenty.....15  
Comfort--laying.....19  
Hand--disease.....15  
Short--writing.....13  
Fruit--coming.....19  
Butterfly--flying.....  
Smooth--glimming..... 4  
Command--master.....  
Chair--standing..... 6  
Sweet--sugar.....  
Whistle--blowing.....  
Woman--loving.....  
Cold--cellar.....19  
Slow--coming.....15  
Wish--dreaming..... 2  
River--divided.....19  
White--wall.....  
Beautiful--pleasant... 1  
Window--breaking..... 2  
Rough--tumble.....  
Citizen--gentleman....  
Foot--sweating.....19  
Spider--biting..... 2  
Needle--stinging..... 2  
Red--coloring.....  
Sleep--dreaming.....  
Anger--widing..... 4  
Carpet--cleaning.....  
Girl--pretty..... 1  
High--degrace..... 4  
Working--nobody.....19  
Sour--holling..... 4  
Earth--disgrace.....19  
Trouble--plenty.....  
Soldier--shooting.....13  
Cabbage--welldebell... 4  
Hard--earning..... 4  
Eagle--setting.....19  
Stomach--degrivel..... 4  
Stem--biting.....19  
Lamp--burning.....  
Dream--walking.....19  
Yellow--blowing.....15  
Bread--making.....  
Justice--unpossible... 4



Boy--growing..... 2  
Light--stand..... 6  
Health--raising.....19  
Bible--teaching..... 2  
Memory--together.....12  
Sheep--weeding.....19  
Bath--held.....19  
Cottage--standing..... 2  
Swift--incuriossable.. 4  
Blue--smooven..... 4  
Hungry--uncareless.... 4  
Priest--going.....19  
Ocean--moving..... 2  
Head--setting.....15  
Stove--warm.....  
Long--slowly..... 2  
Religion--everything..19  
Whiskey--burning.....  
Child--born.....  
Bitter--taking.....19  
Hammer--hitting..... 2  
Thirsty--drinking.....  
City--welldebell..... 4  
Square--taking.....15  
Butter--soft.....  
Doctor--instrument....19  
Loud--speaking..... 2  
Thief--gitting..... 4  
Lion--scared.....17  
Joy--playing..... 2  
Bed--laying..... 2  
Heavy--raisen..... 4  
Tobacco--eating.....19  
Baby--born.....  
Moon--shining.....  
Scissors--cutting.....  
  
Quiet--hitting.....15  
Green--landed.....19  
Salt--throwing.....19  
Street--walking.....  
King--tension.....19  
Cheese--eating.....  
Blossom--growing..... 2  
Afraid--nobody.....

CASE No. 5138.--C.J. Unclassified reactions, mostly incoherent.

Table--tablecloth.....  
Dark--forward.....19  
Music--instrument.....  
Sickness--fluid.....19

Man--hemale..... 4  
Deep--steep.....  
Soft--hard.....  
Eating--mountain.....19  
Mountain--raven.....19  
House--shutter.....17  
Black--blue.....  
Mutton--beef.....  
Comfort--discomfort...  
Hand--wrist.....  
Short--tall.....  
Fruit--vegetable.....  
Butterfly--bee.....  
Smooth--rough.....  
Command--orders.....  
Chair--sofa.....  
Sweet--sour.....  
Whistle--fife.....  
Woman--girl.....  
Cold--warm.....  
Slow--faster..... 2  
Wish--not..... 2  
River--neck.....17  
White--blue.....  
Beautiful--homely.....  
Window--sill.....  
Rough--paint.....19  
Citizen--pedestrian...19  
Foot--rose.....19  
Spider--towel.....19  
Needle--lifter.....19  
Red--dove.....19  
Sleep--coat.....13  
Anger--smile.....19  
Carpet--gas.....19  
Girl--kite.....19  
High--cow.....19  
Working--candy.....19  
Sour--peach.....17  
Earth--balloon.....19  
Trouble--grass.....13  
Soldier--brass.....17  
Cabbage--flea.....19  
Hard--cat.....19  
Eagle--negro.....10  
Stomach--winter.....19  
Stem--leaf.....  
Lamp--cloth.....19  
Dream--slumber.....  
Yellow--pink.....  
Bread--glass.....19  
Justice--coal.....19  
Boy--maid.....

Light--shine.....  
Health--pale.....17  
Bible--leaf.....  
Memory--grief.....19  
Sheep--giraffe.....19  
Bath--soap.....  
Cottage--scene.....19  
Swift--slow.....  
Blue--piece.....19  
Hungry--food.....  
Priest--minister.....  
Ocean--waves.....  
Head--black.....  
Stove--lid.....  
Long--short.....  
Religion--Christian...  
Whiskey--malt.....  
Child--baby.....  
Bitter--sweet.....  
Hammer--nail.....  
Thirsty--water.....  
City--steeple.....19  
Square--marble.....19  
Butter--bread.....  
Doctor--aster.....19  
Loud--fog.....19  
Thief--Mary.....19  
Lion--tiger.....  
Joy--glad.....  
Bed--sheet.....  
Heavy--light.....  
Tobacco--smoke.....  
Baby--powder.....  
Moon--sky.....  
Scissors--handle.....  
Quiet--sing.....19  
Green--pink.....  
Salt--chimney.....19  
Street--block.....  
King--crown.....  
Cheese--tea.....17  
Blossom--leaves.....  
Afraid--frighten.....

CASE No. 17979.--R.T. Unclassified reactions, mostly incoherent.

Table--full.....19  
Dark--coldness..... 2  
Music--aeronaut.....19  
Sickness--better.....  
Man--extension.....19  
Deep--electrician.....19

Soft--harden..... 2  
Eating--stomach.....  
Mountain--Lord.....19  
House--roof.....  
Black--darkness.....  
Mutton--working.....19  
Comfort--ahead.....12  
Hand--mercury.....19  
Short--have.....12  
Fruit--flavor.....19  
Butterfly--plant.....13  
Smooth--level.....  
Command--obedient.....  
Chair--rest.....  
Sweet--polish.....19  
Whistle--note.....  
Woman--comfort.....  
Cold--pleasant..... 1  
Slow--move.....  
Wish--wealth.....  
River--shell.....19  
White--change.....19  
Beautiful--sat.....19  
Window--temperature...39  
Rough--shell.....15  
Citizen--soldier.....  
Foot--travel.....  
Spider--web.....  
Needle--point.....  
Red--temperature.....15  
Sleep--rest.....  
Anger--temper.....  
Carpet--court.....10  
Girl--birth.....10  
High--dirt.....19  
Working--ease.....  
Sour--bait..... 4  
Earth--vexation.....19  
Trouble--business.....  
Soldier--obedient..... 2  
Cabbage--fell.....19  
Hard--solid.....  
Eagle--government.....19  
Stomach--chest.....  
Stem--wish.....19  
Lamp--brilliance.....17  
Dream--unso..... 4  
Yellow--color.....  
Bread--crust.....  
Justice--truth.....  
Boy--obedient.....  
Light--heart..... 2  
Health--feeling.....

Bible--scripture.....  
Memory--saying.....19  
Sheep--wool.....  
Bath--get.....19  
Cottage--morrell..... 4  
Swift--good..... 1  
Blue--look.....19  
Hungry--have.....12  
Priest--scripture.....15  
Ocean--supply.....19  
Head--manager.....17  
Stove--shake.....19  
Long--journey.....  
Religion--thought..... 1  
Whiskey--lusk..... 4  
Child--wish.....15  
Bitter--enmalseladiga. 4  
Hammer--efface.....19  
Thirsty--want.....  
City--comforts.....15  
Square--crown.....19  
Butter--flavor.....15  
Doctor--dram.....19  
Loud--temper.....15  
Thief--caught..... 2  
Lion--crown.....15  
Joy--pleasure..... 1  
Bed--comforts.....  
Heavy--thoughts..... 1  
Tobacco--changes.....15  
Baby--pleasure..... 1  
Moon--brilliance..... 2  
Scissors--edge.....  
Quiet--baptism.....19  
Green--autumn.....19  
Salt--gather.....19  
Street--thoroughfare..  
King--crown.....  
Cheese--flavor.....15  
Blossom--wood.....17  
Afraid--downhearted...17

CASE No. 3307.--G.F. Unclassified reactions, mostly incoherent; slight tendency to respond by sound reactions.

Table--desk.....  
Dark--blue.....  
Music--stars.....13  
Sickness--trees.....19  
Man--menace.....10  
Deep--soap.....19  
Soft--excited.....19

Eating--spelling.....10  
Mountain--marbles.....19  
House--train.....19  
Black--bed.....19  
Mutton--button.....10  
Comfort--steak.....13  
Hand--flexible.....19  
Short--umbrella.....17  
Fruit--blanket.....19  
Butterfly--grass.....  
Smooth--sheet.....19  
Command--carpet.....19  
Chair--store.....19  
Sweet--flower.....  
Whistle--linen.....19  
Woman--water.....19  
Cold--coal.....  
Slow--ferry.....17  
Wish--sample.....19  
River--shades.....19  
Whiter--blue.....  
Beautiful--suspender..19  
Window--wood.....  
Rough--chisel.....19  
Citizen--ruler.....  
Foot--snake.....19  
Spider--fly.....  
Needle--bird.....13  
Red--green.....  
Sleep--opening.....19  
Anger--angry.....  
Carpet--stitching.....19  
Girl--madam.....17  
High--ceiling.....  
Working--easy.....  
Sour--warm.....19  
Earth--heaven.....  
Trouble--astonished...19  
Soldier--man..... 1  
Cabbage--carrot.....  
Hard--softness..... 2  
Eagle--parrot.....  
Stomach--mind.....19  
Stem--stable.....10  
Lamp--oil.....  
Dream--awake.....  
Yellow--darkness..... 2  
Bread--rough.....19  
Justice--male.....19  
Boy--buoy.....10  
Light--standing.....19  
Health--very.....12  
Bible--ashamed.....19

Memory--staring.....19  
Sheep--stock.....  
Bath--sponge.....  
Cottage--house.....  
Swift--mouse.....19  
Blue--fall.....19  
Hungry--appetite.....  
Priest--pastor.....  
Ocean--waves.....  
Head--hat.....  
Stove--blackening..... 2  
Long--garden.....19  
Religion--goodness.... 1  
Whiskey--Kummell.....17  
Child--woman..... 1  
Bitter--coughing.....19  
Hammer--sofa.....19  
Thirsty--pillow.....18  
City--united.....19  
Square--oblong.....  
Butter--lard.....  
Doctor--physician.....  
Loud--easy.....  
Thief--burglar.....  
Lion--tiger.....  
Joy--healthy..... 2  
Bed--thread.....10  
Heavy--gloves.....17  
Tobacco--cigar.....  
Baby--hood.....11  
Moon--stars.....  
Scissors--knife.....  
Quiet--recollect..... 17  
Green--ring.....19  
Salt--pencil.....19  
Street--bushes.....19  
King--Germany.....17  
Cheese--rice.....17  
Blossom--pepper.....19  
Afraid--allspice..... 18

CASE NO. 971.--O.M. Unclassified reactions, mostly incoherent.

Table--vote.....19  
Dark--plenty.....19  
Music--health.....19  
Sickness--fright.....  
Man--manager.....10  
Deep--slow.....19  
Soft--pepper.....19  
Eating--vanity.....19  
Mountains--slept.....19

House--courage.....19  
Black--funeral.....  
Mutton--age.....19  
Comfort--slide.....19  
Hand--credit.....19  
  
Short--Simpson.....17  
Fruit--physician.....19  
Butterfly--torment....19  
Smooth--button.....17  
Command--scarf.....19  
Chair--rage.....19  
Sweet--cider.....17  
Whistle--lace.....19  
Woman--debt.....19  
Cold--powderly..... 4  
Slow--telephone.....19  
Wish--regret.....17  
River--herald.....19  
White--black.....  
Beautiful--jolly.....19  
Window--pane.....  
Rough--duty.....19  
Citizen--ward.....17  
Foot--minister.....19  
Spider--handsome.....19  
Needle--pin.....  
Red--white.....  
Sleep--apple.....13  
Anger--sour.....19  
Carpet--wood.....  
Girl--boy.....  
High--low.....  
Working--height.....13  
Sour--pitcher.....19  
Earth--clam.....19  
Trouble--necessity.... 9  
Soldier--marine.....  
Cabbage--watermelon...17  
Hard--cracker.....17  
Eagle--bright.....19  
Stomach--back.....  
Stem--stimulant.....10  
Lamp--hair.....19  
Dream--knees.....19  
Yellow--amen.....12  
Bread--general.....19  
Justice--no..... 2  
Boy--grass.....19  
Light--thought..... 9  
Health--depression....17  
Bible--judger..... 4  
Memory--stomach.....19



Sheep--crusade.....19  
Bath--labor.....19  
Cottage--cotton.....10  
Swift--depth.....19  
Blue--crimson.....17  
Hungry--alloyed.....19  
Priest--politicians...17  
Ocean--sea.....  
Head--cranium.....  
Stove--soft.....19  
Long--biles..... 4  
Religion--bunion.....10  
Whiskey--vinegar.....17  
Child--edge.....19  
Bitter--born.....10  
Hammer--wood.....  
Thirsty--cradle.....19  
City--flames.....19  
Square--eating.....19  
Butter--dirt.....19  
Doctor--malefactor....19  
Loud--quinine.....19  
Thief--joy.....19  
Lion--sage.....19  
Joy--thorn.....19  
Bed--draper.....19  
Heavy--close.....19  
Tobacco--weed.....  
Baby--stop.....19  
Moon--starch.....19  
Scissors--crepe.....17  
Quiet--bustle.....19  
Green--color.....  
Salt--throw.....19  
Street--ferment.....19  
King--jaunce..... 4  
Cheese--tepid.....19  
Blossom--woman..... 9  
Afraid--shame.....17

CASE No. 01665.--E.H. Unclassified reactions, mostly incoherent.

Table--cent.....19  
Dark--sweet.....19  
Music--delighted..... 2  
Sickness--pop.....19  
Man--change.....19  
Deep--pass.....19  
Soft--drop.....19  
Eating--fair.....19  
Mountains--heavy.....19  
House--fate.....19

Black--right.....19  
Mutton--with.....12  
Comfort--indeed.....12  
Hand--span.....10  
Short--stop.....  
Fruit--dip.....19  
Butterfly--home.....19  
Smooth--days.....19  
Command--stop.....15  
Chair--pledge.....19  
Sweet--right.....15  
Whistle--home.....15  
Woman--Louisa.....17  
Cold--chair.....16  
Slow--aid.....19  
Wish--book..... 2  
River--shoes.....19  
White--ouch.....12  
Beautiful--not.....12  
Window--papers.....19  
Rough--lettuce.....19  
Citizen--money.....17  
Foot--stand.....  
Spider--socks.....19  
Needle--drops.....15  
Red--glass.....17  
Sleep--suits.....19  
Anger--suits..... 5  
Carpet--hat.....19  
Girl--president.....19  
High--pass.....19  
Working--knock.....19  
Sour--cake.....19  
Earth--home.....  
Trouble--news.....17  
Soldier--name.....19  
Cabbage--rule.....19  
Hard--rope.....19  
Eagle--in.....12  
Stomach--potato.....17  
Stem--pick.....  
Lamp--berry.....18  
Dream--book.....  
Yellow--lettuce.....19  
Bread--chews.....17  
Justice--night.....15  
Boy--bat.....17  
Light--rasp.....19  
Health--off.....12  
Bible--comforter..... 2  
Memory--candy.....19  
Sheep--eat.....  
Bath--sweet.....19

Cottage--walk.....19  
Swift--reason.....19  
Blue--dot.....19  
Hungry--swift.....16  
Priest--birth.....19  
Ocean--stop.....15  
Head--strap.....19  
Stove--pot.....17  
Long--name.....  
Religion--day.....13  
Whiskey--take.....19  
Child--jaw.....17  
Bitter--licorice.....17  
Hammer--sound.....  
Thirsty--cards.....19  
City--dice.....18  
Square--muff.....19  
Butter--stick.....19  
Doctor--perfect.....19  
Loud--walk.....15  
Thief--jail.....  
Lion--cow.....  
Joy--nail.....19  
Bed--new.....19  
Heavy--down.....12  
Tobacco--prize.....19  
Baby--new.....15  
Moon--new.....  
Scissors--teach.....19  
Quiet--man..... 1  
Green--water.....17  
Salt--money.....19  
Street--right.....15  
King--girl.....19  
Cheese--house.....19  
Blossom--work..... 1  
Afraid--jars.....19

CASE M.F. (from Hudson River State Hospital).--Unclassified reactions,  
mostly incoherent.

Table--heat.....19  
Dark--succeed.....19  
Music--benefit.....19  
Sickness--steep.....19  
Man--dicut..... 4  
Deep--rectify.....19  
Soft--bed.....  
Eating--dozy.....19  
Mountain--tulu..... 4  
House--sails.....19  
Black--sunrise.....19

Mutton--tuition.....19  
Comfort--blasphemous..19  
Hand--doing.....  
Short--pest.....19  
Fruit--charm.....19  
Butterfly--doctor.....19  
Smooth--border.....19  
Command--right.....  
Chair--distill.....19  
Sweet--noticed.....19  
Whistle--stead.....19  
Woman--splice.....19  
Cold--strap.....19  
Slow--chief.....19  
Wish--shame.....19  
River--word.....19  
White--color.....  
Beautiful--better.....19  
Window--dull.....19  
Rough--bright.....18  
Citizen--chum.....19  
Foot--relax.....19  
Spider--float.....19  
Needle--action.....19  
Red--stout.....19  
Sleep--lazy.....17  
Anger--anguish.....  
Carpet--knowledge.....19  
Girl--first.....10  
High--hand.....19  
Working--power.....17  
Sour--mud.....19  
Earth--sky.....  
Trouble--sorrow.....  
Soldier--manhood..... 2  
Cabbage--righteous....19  
Hard--beaten.....17  
Eagle--dog.....19  
Stomach--paste.....19  
Stem--dust.....10  
Lamp--fall.....19  
Dream--idle.....17  
Yellow--zone.....19  
Bread--pan.....17  
Justice--tricks.....17  
Boy--barrel.....19  
Light--powers.....15  
Health--kindness.....19  
Bible--story.....  
Memory--pillow.....19  
Sheep--veil.....19  
Bath--ink.....19  
Cottage--paper.....19

Swift--arrow.....  
Blue--cold.....  
Hungry--dyes.....19  
Priest--cloak.....19  
Ocean--pilot.....17  
Head--tin.....19  
Stove--plate.....17  
Long--trouble.....19  
Religion--soap.....19  
Whiskey--starch.....18  
Child--night.....19  
Bitter--contentment...19  
  
Hammer--shortness.....19  
Thirsty--knife.....19  
City--mind.....19  
Square--truth..... 2  
Butter--biscuit.....  
Doctor--piles.....17  
Loud--distrust.....19  
Thief--babies.....19  
Lion--hair.....  
Joy--eyesight.....19  
  
Bed--dievos..... 4  
Heavy--determined.....19  
Tobacco--health.....19  
Baby--wood.....19  
Moon--heat.....15  
Scissors--squeeze.....19  
Quiet--tears.....19  
Green--fall.....15  
Salt--soft.....10  
Street--wait.....19  
King--inches.....19  
Cheese--doctor.....15  
Blossom--fades.....19  
Afraid--hearts..... 2

CASE No. 01552.--E.J.D. Unclassified reactions, mostly incoherent.

Table--unicorn.....19  
Dark--African.....17  
Music--love.....  
Sickness--slumber.....17  
Man--minstrel.....10  
Deep--river.....  
Soft--highwayman.....19  
Eating--England.....19  
Mountain--pleasure..... 1  
House--Christianity.....19  
Black--directory.....19

Mutton--capers.....19  
Comfort--mankind.....12  
Hand--surface.....19  
Short--court.....10  
Fruit--pleasure.....  
Butterfly--dispatcher...19  
Smooth--navigation.....19  
Command--administration. 9  
Chair--time.....19  
Sweet--office.....13  
Whistle--foreign.....19  
Woman--usefulness.....  
Cold--frigid.....  
Slow--vocation.....19  
Wish--longing.....  
River--tributary.....17  
White--island.....  
Beautiful--unseen.....19  
Window--frugal.....19  
Rough--nautical.....19  
Citizen--pedestrian.....19  
Foot--laugh.....19  
Spider--jungle.....19  
Needle--man..... 9  
Red--monde..... 4  
Sleep--resuscitation... 4  
Anger--uncared.....19  
Carpet--foreign.....15  
Girl--celt.....19  
High--wine.....10  
Working--prayer.....19  
Sour--flower.....10  
Earth--tariff.....19  
Trouble--ledger.....19  
Soldier--work.....  
Cabbage--ancient.....19  
Hard--provender.....19  
Eagle--school.....19  
Stomach--bowels.....  
Stem--tide.....  
Lamp--scientific.....19  
Dream--somno.....4  
Yellow--pain.....19  
Bread--populous.....19  
Justice--thwart.....19  
Boy--globe.....19  
Light--female.....13  
Health--linen.....19  
Bible--divine.....17  
Memory--current.....19  
Sheep--water.....  
Bath--rain.....18  
Cottage--journal.....19

Swift--yacht.....	17
Blue--novel.....	19
Hungry--viand.....	2
Priest--pedestrian.....	15
Ocean--commotion.....	10
Head--sugar.....	19
Stove--writer.....	19
Long--mingle.....	19
Religion--tent.....	
Whiskey--copulency.....	4
Child--editor.....	19
Bitter--backward.....	19
Hammer--youth.....	19
Thirsty--salt.....	17
City--gentler.....	19
Square--angelus.....	19
Butter--pastry.....	17
Doctor--veterinary.....	17
Loud--muslin.....	19
Chief--grocer.....	19
Lion--trip.....	19
Joy--penance.....	17
Bed--granite.....	19
Heavy--note.....	19
Tobacco--vanese.....	4
Baby--school.....	15
Moon--element.....	19
Scissors--elderly.....	19
Quiet--trinity.....	19
Green--commissioner.....	19
Salt--strength.....	19
Street--voyager.....	19
King--sorrow.....	19
Cheese--holiday.....	19
Blossom--parks.....	19
Afraid--stamina.....	17

CASE No. 667.--C.L. Pronounced stereotypy. Following note on test record: "Many attempts were made to secure a reaction other than 'cat,' but usually without success; the reaction \_cold--warm\_ was given spontaneously and with apparent interest; most reactions were given only in response to much urging, or else mechanically, without attention."

Table--cat.....	6
Dark--rat.....	18
Music--shoe.....	19
Sickness--cat.....	6
Man--boy.....	
Deep--cat.....	6
Soft--hat.....	19
Eating--cat.....	6

Mountain--hit.....19  
House--gold.....19  
Black--woman..... 9  
Mutton--get.....19  
Comfort--cousin.....19  
Hand--Jesus.....19  
Short--hat.....15  
Fruit--hand.....16  
Butterfly--going.....19  
Smooth--hat.....15  
Command--boy.....  
Chair--hat.....15  
Sweet--cat..... 6  
Whistle--boy.....  
Woman--cat.....  
Cold--warm.....  
Slow--button.....19  
Wish--cat..... 6  
River--cat..... 5  
White--rat.....15  
Beautiful--good..... 1  
Window--wheel.....19  
Rough--good..... 9  
Citizen--candy.....19  
Foot--cat..... 6  
Spider--dog.....19  
Needle--cat..... 6  
Red--button.....15  
Sleep--cat..... 6  
Anger--go.....15  
Carpet--cat..... 6  
Girl--in.....12  
High--little.....19  
Working--cold.....19  
Sour--cat..... 6  
Earth--tag.....19  
Trouble--cat..... 6  
Soldier--cat..... 5  
Cabbage--cat..... 5  
Hard--cat..... 5  
Eagle--cat..... 5  
Stomach--cat.....  
Stem--hat.....15  
Lamp--cat..... 6  
Dream--cat..... 5  
Yellow--cat.....  
Bread--cat..... 5  
Justice--cat..... 5  
Boy--cat..... 5  
Light--cat..... 5  
Health--cat..... 5  
Bible--cat..... 5  
Memory--cat..... 5



Sheep--cat..... 5  
Bath--cat..... 5  
Cottage--cat..... 5  
Swift--cat.....  
Blue--cat..... 5  
Hungry--cat..... 5  
Priest--cat..... 5  
Ocean--cat..... 5  
Head--cat..... 5  
Stove--cat..... 5  
Long--cat..... 5  
Religion--cat..... 5  
Whiskey--cat..... 5  
Child--cat..... 5  
Bitter--cat..... 5  
Hammer--cat..... 5  
Thirsty--cat..... 5  
City--cat..... 5  
Square--cat..... 5  
Butter--cat..... 5  
Doctor--cat..... 5  
Loud--cat..... 5  
Thief--cat..... 5  
Lion--cat.....  
Joy--cat..... 5  
Bed--cat..... 5  
Heavy--cat..... 5  
Tobacco--cat..... 5  
Baby--cat..... 5  
Moon--cat..... 5  
Scissors--cat..... 5  
Quiet--cat..... 5  
Green--cat..... 5  
Salt--cat..... 5  
Street--cat..... 5  
King--cat..... 5  
Cheese--cat..... 5  
Blossom--cat..... 5  
Afraid--cat.....

CASE No. 6006.--E.T.S. Stereotypy

Table--eat.....  
Dark--unkindness.....19  
Music--beautiful..... 1  
Sickness--suffering...  
Man--good..... 1  
Deep--unkindness.....15  
Soft--unkindness..... 5  
Eating--digesting....  
  
Mountain--low.....

House--small..... 1  
Black--darkness.....  
Mutton--good..... 1  
Comfort--home.....  
Hand--useful..... 1  
Short--useful..... 5  
Fruit--healthy.....  
Butterfly--beautiful.. 1  
Smooth--unkindness....15  
Command--great..... 9  
Chair--useful..... 1  
Sweet--healthy.....15  
Whistle--beautiful... 6  
Woman--good..... 1  
Cold--unhealthy.....19  
Slow--good..... 6  
Wish--always.....12  
River--needed..... 6  
White--pretty..... 1

Beautiful--trees.....  
Window--needed..... 6  
Rough--unneded..... 4  
Citizen--needed..... 6  
Foot--needed..... 2  
Spider--needed..... 5  
Needle--needed..... 5  
Red--beautiful..... 2  
Sleep--beautiful..... 1  
Anger--needed..... 6  
Carpet--needed..... 5  
Girl--needed..... 5  
High--height.....  
Working--needed..... 6  
Sour--needed..... 5  
Earth--needed..... 5  
Trouble--trust.....10  
Soldier--needed..... 6  
Cabbage--needed..... 5  
Hard--trouble.....  
Eagle--beautiful..... 6  
Stomach--trouble.....  
Stem--shoot.....10  
Lamp--light.....  
Dream--pleasant..... 1  
Yellow--pretty..... 1  
Bread--good..... 1  
Justice--needed..... 6  
Boy--needed..... 5  
Light--Pretty..... 6  
Health--needed.....  
Bible--needed..... 5  
Memory--needed..... 2

Sheep--needed..... 5  
 Bath--needed..... 5  
 Cottage--needed..... 5  
 Swift--needed..... 5  
 Blue--pretty..... 1  
 Hungry--food.....  
 Priest--Father.....  
  
 Ocean--fresh.....19  
 Head--unhealthy.....15  
 Stove--warmth.....  
 Long--length.....  
 Religion--needed..... 2  
 Whiskey--needed..... 5  
 Child--needed.....  
 Bitter--needed..... 5  
 Hammer--needed..... 5  
 Thirsty--water.....  
 City--pretty..... 6  
 Square--honest.....  
 Butter--good..... 1  
 Doctor--needed.....  
 Loud--needed..... 5  
 Thief--trust.....  
 Lion--love.....19  
 Joy--laughter.....  
 Bed--comfortable.....  
 Heavy--sleepiness..... 2  
 Tobacco--needed..... 6  
 Baby--needed..... 5  
 Moon--needed..... 5  
 Scissors--needed..... 5  
 Quiet--pleasure..... 1  
 Green--me.....18  
 Salt--needed.....  
 Street--needed..... 5  
 King--needed..... 5  
 Cheese--needed..... 5  
 Blossom--needed..... 5  
 Afraid--nervous.....

CASE No. 2292.--C.M. Perseveration: numerous instances of association to preceding reaction; unclassified reactions, mostly incoherent.

Table--tree.....19  
 Dark--night.....  
 Music--instrument.....  
 Sickness--smoke.....19  
 Man--woman..... 1  
 Deep--water.....  
 Soft--tide.....18

Eating--potato.....  
Mountain--milk.....13  
House--clay.....17  
Black--polish.....17  
Mutton--goat.....  
Comfort--cream.....10  
Hand--hay.....19  
Short--meat.....19  
Fruit--pears.....  
Butterfly--flower.....  
Smooth--smell.....10  
Command--drink.....19  
Chair--wine.....18  
Sweet--honey.....  
Whistle--wind.....  
Woman--whiskey.....19

Cold--fire.....  
Slow--speed.....  
Wish--go.....  
River--boat.....  
White--stem.....13  
Beautiful--cloak.....17  
Window--drift.....19  
Rough--storm.....  
Citizen--citron.....10  
Foot--feed.....19  
Spider--web.....  
Needle--thread.....  
Red--sew.....13  
Sleep--rest.....  
Anger--health.....13  
Carpet--carrots.....10  
Girl--eat.....19  
High--horse.....19  
Working--hay.....15  
Sour--cut.....19  
Earth--machine.....19  
Trouble--repair.....18  
Soldier--mow.....19  
Cabbage--plant.....  
Hard--seed.....18  
Eagle--bird.....  
Stomach--egg.....17  
Stem--join.....  
Lamp--oil.....  
Dream--burn.....13  
Yellow--gas.....18  
Bread--flour.....  
Justices--drink.....19  
Boy--girl.....  
Light--man..... 9  
Health--woman..... 1

Bible--baby.....10  
Memory--want.....19  
Sheep--lamb.....  
Bath--water.....  
Cottage--hay.....15  
Swift--corn.....18  
Blue--eat.....18  
Hungry--ham.....17  
Priest--pickle.....18  
Ocean--turnip.....18  
Head--hair.....  
Stove--coal.....  
Long--wood.....13  
Religion--lemon.....10  
Whiskey--wheat.....17  
Child--rye.....18  
Bitter--medicine.....  
Hammer--nail.....  
Thirsty--beer.....  
City--cake.....19  
Square--pie.....18  
Butter--cream.....  
Doctor--herb.....19  
Loud--duck.....19  
Thief--feathers.....18  
Lion--animal.....  
Joy--peace.....  
Bed--sleep.....  
Heavy--rest.....13  
Tobacco--chew.....  
Baby--chair.....19  
Moon--sun.....  
Scissors--cut.....  
Quiet--hair.....18  
Green--grapes.....  
Salt--bag.....19  
Street--stone.....  
King--cement.....18  
Cheese--money.....19  
Blossom--flower.....  
Afraid--fast.....19

CASE No. 17880.--E.D. Numerous repetitions of reactions previously given; unclassified reactions, mostly incoherent; neologisms.

Table--eating.....  
Dark--night.....  
Music--piano.....  
Sickness--stoppery.... 4  
Man--manly.....  
Deep--knowing..... 6  
Soft--undoable..... 4

Eating--oblong.....19  
Mountain--guide.....19  
House--residing..... 2  
Black--dress.....  
Mutton--aiding.....19  
Comfort--escorted..... 6  
Hand--escorted..... 5  
Short--unescorted.....18  
Fruit--eating.....  
Butterfly--interfere..19  
Smooth--knowing..... 6  
Command--unerrorer.... 4  
Chair--seated.....  
Sweet--durable.....19  
Whistle--treated.....19  
Woman--help..... 2  
Cold--stoppery..... 4  
Slow--unknowing..... 4  
Wish--treated.....15  
River--boats.....  
White--treasurer.....19  
Beautiful--form.....  
Window--outlook.....  
Rough--unescorted.....15  
Citizen--residing..... 2  
Foot--travel.....  
Spider--stoppery..... 4  
Needle--clothing..... 2  
Red--color.....  
Sleep--stoppery..... 4  
Anger--unguarded.....17  
Carpet--residence.....15  
Girl--help..... 6  
High--escorted..... 6  
Working--man..... 1  
Sour--form.....15  
Earth--platformer.... 4  
Trouble--unguarded....15  
Soldier--sentinel..... 2  
Cabbage--dinners..... 2  
Hard--escorted..... 6  
Eagle--newspaper.....17  
Stomach--health.....  
Stem--winding.....  
Lamp--reading.....  
Dream--guarded.....19  
Yellow--aged.....19  
Bread--knowing..... 6  
Justice--bar.....17  
Boy--help..... 6  
Light--advice.....19  
Health--doableness.... 4  
Bible--church.....

Memory--knowing..... 2  
 Sheep--aided.....15  
 Bath--stoppery..... 4  
 Cottage--seashore.....  
 Swift--business.....17  
 Blue--help..... 6  
 Hungry--unadded..... 4  
 Priest--Rome.....19  
 Ocean--help..... 6  
 Head--knowing..... 2  
 Stove--cooking.....  
 Long--bank.....19  
 Religion--church.....  
 Whiskey--drink.....  
 Child--help..... 6  
 Bitter--error.....16  
 Hammer--builder..... 2  
 Thirsty--drink.....  
 City--building.....  
 Square--unerrorer..... 4  
 Butter--eating.....  
 Doctor--destroyer.....10  
 Loud--notoriety.....17  
 Thief--error.....15  
 Lion--lord.....19  
 Joy--escorted..... 6  
 Bed--unescorted.....15  
 Heavy--unescorted..... 5  
 Tobacco--chewing.....  
 Baby--help..... 6  
 Moon--knowing..... 6  
 Scissors--tailor.....  
 Quiet--form.....15  
 Green--moneyed.....19  
 Salt--eating.....  
 Street--city.....  
 King--adds.....19  
 Cheese--eating.....  
 Blossom--escorted..... 6  
 Afraid--unguarded.....15

CASE No. 6065.--A.F. Unclassified reactions, mostly incoherent;  
 perseveration: instances of association to preceding reaction and to  
 preceding stimulus.

Table--stove.....19  
 Dark--clear.....19  
 Music--calm.....19  
 Sickness--exact.....19  
 Man--particular.....18  
 Deep--personal.....18  
 Soft--frank.....19

Eating--determined....19  
Mountain--idea.....19  
House--street.....  
Black--water.....  
Mutton--ground.....19  
Comfort--country.....18  
Hand--fire.....19  
Short--straight.....10  
Fruit--flowers.....  
Butterfly--horn.....19  
Smooth--farm.....19  
Command--forbidden.... 2  
Chair--bed.....  
Sweet--sugar.....  
Whistle--noise.....  
Woman--boy.....  
Cold--house.....13  
Slow--store.....14  
Wish--work.....19  
River--sound.....17  
White--blue.....  
Beautiful--fair.....  
Window--door.....  
Rough--glass.....13  
Citizen--dress.....19  
Foot--exact.....15  
Spider--fly.....  
Needle--pins.....  
Red--person..... 9  
Sleep--nervous.....17  
Anger--determined....15  
Carpet--floor.....  
Girl--man..... 1  
High--fruit.....19  
Working--wear.....10  
Sour--sweet.....  
Earth--early.....10  
Trouble--state.....19  
Soldier--girl.....18  
Cabbage--woman..... 9  
Hard--heart.....  
Eagle--bird.....  
Stomach--friend.....19  
Stem--tree.....  
Lamp--couch.....19  
Dream--desk.....19  
Yellow--table.....  
Bread--chair.....14  
Justice--truth.....  
Boy--honor.....13  
Light--tails.....19  
Health--care.....  
Bible--book.....



Memory--remembrance...  
Sheep--free.....19  
Bath--court.....19  
Cottage--pitcher.....19  
Swift--strong.....  
Blue--delicate.....18  
Hungry--bread.....  
Priest--church.....  
Ocean--ship.....  
Head--height..... 2  
Stove--people..... 9  
Long--heart.....15  
Religion--Catholic...  
Whiskey--Brooklyn.....19  
Child--New York.....18  
Bitter--frost.....19  
Hammer--summer.....10  
Thirsty--fall.....18  
City--autumn.....18  
Square--winter.....18  
Butter--daily.....19  
Doctor--midnight.....19  
Loud--forenoon.....18  
Thief--afternoon.....18  
Lion--evening.....18  
Joy--sorrow.....  
Bed--obstinate.....19  
Heavy--indifferent...19  
Tobacco--pipe.....  
Baby--mother.....  
Moon--daughter.....18  
Scissors--son.....18  
Quiet--sister.....18  
Queen--brother.....18  
Salt--forward.....19  
Street--proper.....19  
King--vulgar.....18  
Cheese--personal.....15  
Blossom--tree.....  
Afraid--fear.....

CASE No. 17188.--G.B. Sound reactions; unclassified reactions, mostly incoherent

Table--tablet.....10  
Dark--dot.....10  
Music--Lizzie.....19  
Sickness--Josh.....17  
Man--McMahon.....10  
Deep--deaf (deef).....10  
Soft--sulphur.....10  
Eating--itching.....10

Mountain--mouth.....10  
House--horse.....10  
Black--back.....10  
Mutton--button.....10  
Comfort--community....10  
Hand--hat.....10  
Short--shore.....10  
Fruit--Freehoff.....10  
Butterfly--busty..... 3  
Smooth--small..... 1  
Command--Cummings.....10  
Chair--cherries.....10  
Sweet--sweeten..... 8  
Whistle--Walters.....19  
Woman--wayman.....10  
Cold--laboratory.....19  
Slow--slaw.....10  
Wish--wishbone.....  
River--Ontario.....17  
White--William.....19  
Beautiful--bureau.....10  
Window--Weldon.....10  
Rough--saw.....17  
Citizen--Sendow.....17  
Foot--hoof.....17  
Spider--web.....  
Needle--shoe.....19  
Red--book.....  
Sleep--sitting.....19  
Anger--Freeman.....19  
Carpet--longing.....19  
Girl--gone.....19  
High--law.....19  
Working--back.....15  
Sour--clock.....19  
Earth--flower.....  
Trouble--sensibility..17  
Soldier--sodder.....10  
Cabbage--Cabot.....10  
Hard--done..... 2  
Eagle--time.....19  
Stomach--mat.....19  
Stem--water.....  
Lamp--florist.....19  
Dream--Conners.....19  
Yellow--flower.....  
Bread--water.....  
Justice--Gaynor.....17  
Boy--passion.....19  
Light--life.....  
Health--wealth.....  
Bible--gone.....15  
Memory--Hans.....19

Sheep--pasture.....  
 Bath--Rogan.....19  
 Cottage--house.....  
 Swift--swim.....10  
 Blue--Thompson.....19  
 Hungry--memory.....18  
 Priest--golden.....18  
 Green--hat.....15  
 Head--broom.....19  
 Stove--fan.....19  
 Long--time.....  
 Religion--Yukon.....19  
 Whiskey--Freeman.....15  
 Child--Hopkins.....17  
 Bitter--brown.....19  
 Hammer--hands.....19  
 Thirsty--thirty.....10  
 City--sure.....19  
 Square--squire.....10  
 Butter--Tam O'Shanter.10  
 Doctor--Dorsan.....10  
 Loud--law.....15  
 Thief--child.....19  
 Lion--dirty.....19  
 Joy--commerce.....19  
 Bed--strike.....19  
 Heavy--Walden.....19  
 Tobacco--Alice.....19  
 Baby--water.....15  
 Moon--handsome.....19  
 Scissors--comet.....19  
 Quiet--tiger.....19  
 Green--tree.....  
 Salt--salary.....10  
 Street--prunes.....19  
 King--kind.....19  
 Cheese--handsome.....15  
 Blossom--pretty..... 1  
 Afraid--Africa.....10

CASE No. 6238.--M.H. Sound reactions; unclassified reactions, mostly incoherent.

Table--token.....19  
 Dark--dye.....17  
 Music--meat.....10  
 Sickness--sorrow.....  
 Man--mother.....17  
 Jeep--dark.....  
 Soft--silk.....  
 Eating--elephant.....19

Mountain--many.....10  
House--home.....  
Black--brown.....  
Mutton--men.....10  
Comfort--cat.....10  
Hand--hat.....10  
Short--shift.....10  
Fruit--free.....10  
Butterfly--baby.....19  
Smooth--soft.....  
Command--cat.....10  
Chair--comfort.....  
Sweet--sugar.....  
Whistle--wine.....19  
Woman--when.....10  
Cold--cat.....15  
Slow--short.....  
Wish--when.....12  
River--Rhine.....  
White--when.....10  
Beautiful--baby.....  
Window--wide.....  
Rough--red.....19  
Citizen--company.....19  
Foot--feeling.....19  
Spider--speck.....10  
Needle--nothing.....18  
Red--rose.....  
Sleep--should.....12  
Anger--after.....10  
Carpet--cat.....10  
Girl--God.....19  
High--heaven.....  
Working--will.....2  
Sour--sweet.....  
Earth--eaten.....14  
Trouble--tea.....10  
Soldier--sailor.....  
Cabbage--cobweb.....19  
Hard--haven't.....12  
Eagle--eaten.....15  
Stomach--sat.....10  
Stem--should.....12  
Lamp--little.....19  
Dream--did.....12  
Yellow--you.....10  
Bread--butter.....  
Justice--Jesus.....10  
Boy--baby.....  
Light--love.....14  
Health--heaven.....  
Bible--bitch.....19  
Memory--man.....1

Sheep--shepherd.....  
 Bath--both.....10  
 Cottage--cat.....10  
 Swift--said.....19  
 Blue--bad.....9  
 Hungry--haven't.....12  
 Priest--Pope.....  
 Ocean--open.....10  
 Head--heart.....  
 Stove--steel.....  
 Long--little.....15  
 Religion--right.....  
 Whiskey--when.....12  
 Child--chimney.....19  
 Bitter--both.....19  
 Hammer--heart.....15  
 Thirsty--think.....9  
 City--church.....17  
 Square--swift.....19  
 Butter--bread.....  
 Doctor--debtor.....10  
 Loud--loaf.....19  
 Thief--theatre.....10  
 Lion--liar.....10  
 Joy--jam.....19  
 Bed--broom.....19  
 Heavy--hard.....  
 Tobacco--Tom.....19  
 Baby--brother.....17  
 Moon--men.....2  
 Scissors--shift.....10  
 Quiet--quilt.....10  
 Green--grass.....  
 Salt--said.....19  
 Street--Stevens.....10  
 King--kite.....19  
 Cheese--cat.....15  
 Blossom--bad.....9  
 Afraid--anger.....

CASE No. 12720.--J.B. Unclassified reactions, many of which are probably due to distraction; some stereotypy. Note on test record states: "Influenced by sensory impressions, but gave good attention to each stimulus word. Had some difficulty in limiting his response to one word, but made all possible effort to comply with every request. On one occasion he was asked to react with his eyes closed, but was unable, under the unnatural conditions, to respond with one word."

Table--floor.....  
 Dark--light.....  
 Music--shoe.....19

Sickness--well.....  
Man--boy.....  
Deep--sea.....  
Soft--soap.....  
Eating--tea.....17  
Mountain--forest.....17  
House--horse.....10  
Black--sill.....19  
Mutton--tablecloth....17  
Comfort--black.....16  
Hand--fingers.....  
Short--wrist.....13  
Fruit--soup.....17  
Butterfly--grape.....13  
Smooth--coat.....  
Command--vest.....18  
Chair--pillow.....19  
Sweet--brick.....19  
Whistle--knuckles.....19  
Woman--wall.....19  
Cold--eating.....19  
Slow--swift.....  
Wish--knob.....19  
River--pad.....19  
White--book.....19  
Beautiful--shadow.....6  
Window--stockings.....19  
Bough--stand.....19  
Citizen--blue.....19  
Foot--brass.....19  
Spider--shoelace.....19  
Needle--name.....19  
Red--sunlight.....19  
Sleep--flag.....18  
Anger--slant.....19  
Carpet--rip.....19  
Girl--lady.....  
High--stripe.....19  
Working--steam.....17  
Sour--handkerchief....19  
Earth--ground.....  
Trouble--insect.....19  
Soldier--army.....  
Cabbage--sill.....15  
Hard--washstand.....19  
Eagle--blue.....15  
Stomach--tap.....19  
Stem--sill.....15  
Lamp--back.....19  
Dream--shadow.....2  
Yellow--blanket.....19  
Bread--horizontal....19  
Justice--ink.....19

Boy--taste.....19  
 Light--yellow.....  
 Health--book.....19  
 Bible--Joseph.....17  
 Memory--Joe.....18  
 Sheep--pillow.....19  
 Bath--Mott.....19  
 Cottage--globe.....19  
 Swift--continue.....19  
 Blue--notice.....19  
 Hungry--Josephine.....19  
 Priest--sixteen.....12  
 Ocean--flag.....15  
 Head--cabbage.....  
 Stove--rivet.....17  
 Long--floor.....19  
 Religion--priest.....  
 Whiskey--tin.....19  
 Child--shadow..... 6  
 Bitter--black.....15  
 Hammer--buttons.....15  
 Thirsty--shadow..... 6  
 City--back.....15  
 Square--oval.....  
 Butter--table.....  
 Doctor--doorway.....10  
 Loud--shadow..... 6  
 Thief--butter.....16  
 Lion--difference.....19  
 Joy--ink.....15  
 Bed--butter.....15  
 Heavy--shadow..... 6  
 Tobacco--wood.....13  
 Baby--wall.....15  
 Moon--lightning.....17  
 Scissors--book.....15  
 Quiet--yellow.....15  
 Green--sole.....19  
 Salt--ink.....15  
 Street--sides.....19  
 King--stripes.....19  
 Cheese--butter.....  
 Blossom--trees.....  
 Afraid--boy.....

CASE No. 5374.--J.F. Perseveration; some stereotypy; sound reactions; unclassified reactions many of which are probably due to distraction. Note on test record states: "Understood what was expected, but could not be induced to give much attention to the stimulus words; sat facing a window, and showed a strong tendency to merely name objects in sight. Reaction time very short, in some cases so short that it is doubtful if he recognized the stimulus word at all."

Table--God.....19  
Dark--angel.....18  
Music--bird.....  
Sickness--woman..... 9  
Man--male.....  
Deep--dove.....19  
Soft--dog.....19  
Eating--horse.....18  
Mountain--mule.....18  
House--dog.....  
Black--rabbit.....18  
Mutton--hen.....18  
Comfort--dog.....15  
Hand--clock.....  
Short--myself.....  
Fruit--post.....19  
Butterfly--bricks.....19  
Smooth--glass.....  
Command--sand.....10  
Chair--leaf.....19  
Sweet--wood.....19  
Whistle--earth.....19  
Woman--grass.....14  
Cold--mustard.....19  
Slow--kale.....19  
Wish--lampsquob..... 4  
River--ten.....12  
White--rock.....17  
Beautiful--water.....17  
Window--scene.....  
Rough--been.....12  
Citizen--house.....13  
Foot--stable..... 2  
Spider--horse.....13  
Needle--pin.....  
Red--cushion.....18  
Sleep--black.....13  
Anger--white.....14  
Carpet--vingency..... 4  
Girl--noodles.....19  
High--macaroni.....18  
Working--tomatoes.....18  
Sour--asparagus.....18  
Earth--oakry..... 4  
Trouble--peas.....19  
Soldier--beans.....18  
Cabbage--greens.....  
Hard--cow.....19  
Eagle--robin.....  
Stomach--hawk.....13  
Stem--fishes.....19  
Lamp--whale.....18



Dream--shark.....18  
 Yellow--crabs.....18  
 Bread--red.....10  
 Justice--jam.....19  
 Boy--be..... 2  
 Light--girl.....13  
 Health--filth.....10  
 Bible--book.....  
 Memory--bad..... 1  
 Sheep--dat..... 4  
 Bath--oval.....19  
 Cottage--nurse.....19  
 Swift--begin.....19  
 Blue--joy.....19  
 Hungry--wonder.....10  
 Priest--apostle.....17  
 Ocean--preacher.....13  
 Head--dead.....10  
 Stove--store.....10  
 Long--lone.....10  
 Religion--world.....19  
 Whiskey--whisper.....10  
 Child--gule..... 4  
 Bitter--Rugby.....19  
 Hammer--ball.....18  
 Thirsty--sun.....19  
 City--Christ.....10  
 Square--Jesus.....18  
 Butter--Joe.....19  
 Doctor--John.....17  
 Loud--Luke.....18  
 Thief--St. Matthew....18  
 Lion--lie.....10  
 Joy--George.....10  
 Bed--Beth.....10  
 Heavy--tither..... 4  
 Tobacco--iron.....13  
 Baby--blade.....10  
 Moon--stars.....  
 Scissors--sun.....13  
 Quiet--wired.....10  
 Green--mean.....10  
 Salt--Lou.....19  
 Street--vault.....19  
 King--sepulchre.....18  
 Cheese--Presbyterian..19  
 Blossom--Baptist.....18  
 Afraid--Methodist....18

CASE No. 1431.--A.L. Sound reactions; particles; unclassified  
 reactions, mostly incoherent.

Table--ammitting..... 4  
Dark--cat.....  
Music--hello.....12  
Sickness--spelling....19  
Man--then.....12  
Deep--heap.....10  
Soft--deep..... 7  
Eating--people..... 1  
Mountain--striking....19  
House--pat.....19  
Black--and.....12  
Mutton--it.....12  
Comfort--herself.....12  
Hand--self.....19  
Short--length.....  
Fruit--long.....13  
Butterfly--quick.....19  
Smooth--edges.....19  
Command--first.....17  
Chair--exact.....19  
Sweet--nicest..... 2  
Whistle--thistle.....10  
Woman--pins.....19  
Cold--waving.....19  
Slow--swift.....  
Wish--choice.....17  
River--never..... 10  
White--black.....  
Beautiful--much.....19  
Window--such.....19  
Rough--exact.....15  
Citizen--just.....  
Foot--root.....10  
Spider--diving.....19  
Needle--Hercules.....19  
Red--green.....  
Sleep--deep.....  
Anger--grief.....  
Carpet--cheap.....19  
Girl--ink.....19  
High--I.....10  
Working--loafing.....  
Sour--hour.....10  
Earth--hurt.....10  
Trouble--bubble.....10  
Soldier--yes.....12  
Cabbage--garbage.....10  
Hard--hitting.....17  
Eagle--fitting.....19  
Stomach--pitting.....19  
Stem--condemned.....10  
Lamp--stamp.....10  
Dream--stained.....19

Yellow--purple.....  
 Bread--pimple.....19  
 Justice--suit.....17  
 Boy--ahoy.....12  
 Light--night.....  
 Health--wealth.....  
 Bible--indeed.....12  
 Memory--remembering...  
 Sheep--cow.....  
 Bath--sponge.....  
 Cottage--people..... 1  
 Swift--left.....10  
 Blue--shift.....19  
 Hungry--property.....19  
 Priest--judge..... 2  
 Ocean--river.....  
 Head--sea.....13  
 Stove--Venus.....19  
 Long--hog.....19  
 Religion--pigeon.....10  
 Whiskey--gin.....  
 Child--thing.....19  
 Bitter--better.....10  
 Hammer--happy..... 9  
 Thirsty--whiskey.....17  
 City--fitting.....10  
 Square--round.....  
 Butter--shut.....10  
 Doctor--exercise.....19  
 Loud--accounts.....10  
 Thief--endless.....19  
 Lion--tiger.....  
 Joy--fast.....19  
 Bed--grass.....19  
 Heavy--heaving.....10  
 Tobacco--queen.....19  
 Baby--water.....19  
 Moon--room.....19  
 Scissors--pants.....17  
 Quiet--razor.....13  
 Green--steel.....18  
 Salt--sharp.....  
 Street--fence.....19  
 King--bring.....10  
 Cheese--eggs.....  
 Blossom--see.....19  
 Afraid--awaiting.....19

CASE No. 6251.--C.D. Some stereotypy; particles; unclassified reactions, mostly incoherent.

Table--doctor.....19

Dark--nigger.....17  
Music--violin.....  
Sickness--whores.....19  
Man--Mulcane.....17  
Deep--deaf.....19  
Soft--hearing.....18  
Eating--pillow.....13  
Mountain--sight.....19  
House--pure.....19  
Black--nigger.....  
Mutton--plenty..... 6  
Comfort--middle.....19  
Hand--left.....17  
Short--one.....12  
Fruit--up.....12  
Butterfly--bird.....  
Smooth--never..... 6  
Command--commodore....10  
Chair--seat.....  
Sweet--sugar.....  
Whistle--highest.....19  
Woman--Constance.....17  
Cold--temperature.....  
Slow--walk.....  
Wish--wishbone.....  
River--love.....19  
White--Dr. White.....17  
Beautiful--pretty..... 1  
Window--dove.....19  
Rough--fine..... 1  
Citizen--United States  
Foot--left.....15  
Spider--web.....  
Needle--ether.....19  
Red--pot.....  
Sleep--wake.....  
Anger--mad.....  
Carpet--pretty..... 1  
Girl--boy.....  
High--Heidel.....10  
Working--never.....  
Sour--sweet.....  
Earth--bride.....19  
Trouble--mischief.....  
Soldier--war.....  
Cabbage--head.....  
Hard--never..... 6  
Eagle--fly.....  
Stomach--go.....19  
Stem--study.....10  
Lamp--light.....  
Dream--behave.....19  
Yellow--false.....19

Bread--plenty..... 6  
 Justice--just.....  
 Boy--come.....19  
 Light--Davie.....19  
 Health--wealth.....  
 Bible--Constance.....15  
 Memory--fine..... 1  
 Sheep--plenty..... 6  
 Bath--bother.....10  
 Cottage--mansion.....  
 Swift--hurry.....  
 Blue--flowers..... 2  
 Hungry--never.....  
 Priest--highest..... 2  
 Ocean--land.....  
 Head--millionaire.....19  
 Stove--twenty-five....12  
 Long--thirty-four....12  
 Religion--churches....  
 Whiskey--plenty..... 6  
 Child--baby.....  
 Bitter--sorrow.....  
 Hammer--court.....19  
 Thirsty--blood.....11  
 City--this.....12  
 Square--I.....12  
 Butter--plenty..... 6  
 Doctor--millionaire...15  
 Loud--tell.....17  
 Thief--rich.....19  
 Lion--west.....19  
 Joy--ever.....12  
 Bed--Constance.....15  
 Heavy--fine..... 9  
 Tobacco--back.....10  
 Baby--millionaire.....15  
 Moon--always.....12  
 Scissors--large..... 9  
 Quiet--stay.....19  
 Green--flowers.....  
 Salt--perfume.....18  
 Street--floor.....19  
 King--Haaken.....19  
 Cheese--kiss.....19  
 Blossom--flower.....  
 Afraid--never.....

CASE No. 17607.--P.D. Test record somewhat approaching the normal: 24 individual reactions, of which 16 are unclassified, mostly "far fetched" and not strictly incoherent. Patient is a well-marked case of dementia praecox but only moderately deteriorated; works well at the hospital.

Table--oak.....  
Dark--brown.....  
Music--falsetto..... 17  
Sickness--typhoid.....  
Man--gender..... 19  
Deep--feet..... 19  
Soft--feeling.....  
Eating--partaking..... 19  
Mountain--hunter..... 19  
House--dwelling.....  
Black--color.....  
Mutton--sheep.....  
Comfort--coziness..... 2  
Hand--anatomy.....  
Short--stature.....  
Fruit--apples.....  
Butterfly--insect.....  
Smooth--plain.....  
Command--order.....  
Chair--furniture.....  
Sweet--sugar.....  
Whistle--steam.....  
Woman--sex.....  
Cold--degree.....  
Slow--speedless.....  
Wish--expression.....  
River--Amazon.....  
White--pulp..... 17  
Beautiful--description..  
Window--opaque..... 19  
Rough--uncouth.....  
Citizen--qualification.. 19  
Foot--anatomy.....  
Spider--bug.....  
Needle--steel.....  
Red--color.....  
Sleep--slumber.....  
Anger--aroused.....  
Carpet--texture..... 2  
Girl--female.....  
High--up.....  
Working--doing.....  
Sour--lemon.....  
Earth--dirt.....  
Trouble--distress.....  
Soldier--uniform.....  
Cabbage--crop..... 19  
Hard--metal.....  
Eagle--bird.....  
Stomach--anatomy.....  
Stem--pipe.....  
Lamp--glass.....

Dream--atmosphere.....19  
 Yellow--color.....  
 Bread--flour.....  
 Justice--equality.....  
 Boy--male.....  
 Light--sun.....  
 Health--color.....  
 Bible--nonsense.....19  
 Memory--retentiveness... 2  
 Sheep--quadruped.....  
 Bath--water.....  
 Cottage--stories.....19  
 Swift--speed.....  
 Blue--navy.....  
 Hungry--appetite.....  
 Priest--uniform.....15  
 Ocean--Atlantic.....  
 Head--stature.....15  
 Stove--iron.....  
 Long--inches.....17  
 Religion--creed.....  
 Whiskey--hops.....  
 Child--neuter.....19  
 Bitter--horehound.....17  
 Hammer--steel.....  
 Thirsty--degree.....15  
 City--population.....  
 Square--sides.....  
 Butter--cream.....  
 Doctor--physician.....  
 Loud--noise.....  
 Thief--characterization.19  
 Lion--menagerie.....  
 Joy--openness.....19  
 Bed--furniture.....  
 Heavy--weight.....  
 Tobacco--plant.....  
 Baby--egg.....19  
 Moon--astronomy.....  
 Scissors--blades.....  
 Quiet--noiseless.....  
 Green--Paris.....11  
 Salt--crystal.....17  
 Street--lane.....  
 King--usurper.....19  
 Cheese--milk.....  
 Blossom--bud.....  
 Afraid--scared.....

CASE No. 5537.--J.H. Test record approaching the normal: 21  
 individual reactions, 8 classed as normal, 1 non-specific, 12  
 unclassified, mostly "far fetched" but not strictly incoherent.

Well-marked dementia praecox, but of recent origin and but slight deterioration.

Table--eat.....  
Dark--night.....  
Music--pleasure..... 1  
Sickness--suffering...  
Man--farmer.....17  
Deep--low.....  
Soft--hard.....  
Eating--life.....  
Mountain--earth.....  
House--dwelling.....  
Black--color.....  
Mutton--food.....  
Comfort--rest.....  
Hand--limb.....  
Short--small..... 1  
Fruit--nourishing....  
Butterfly--flower.....

Smooth--straight.....  
Command--obey.....  
Chair--furniture.....  
Sweet--palate..... 8  
Whistle--noise.....  
Woman--marriage.....  
Cold--indisposed.....17  
Slow--weary.....19  
Wish--work..... 9  
River--tug.....  
White--sheets..... 2  
Beautiful--rare.....19  
Window--ventilation...  
Rough--uneven.....  
Citizen--public.....17  
Foot--walk.....  
Spider--web.....  
Needle--sew.....  
Red--marine..... 1  
Sleep--repose.....  
Anger--assault.....17  
Carpet--cloth.....  
Girl--sister.....  
High--above.....  
Working--labor.....  
Sour--bitter.....  
Earth--farm.....  
Trouble--fight.....  
Soldier--duty.....  
Cabbage--vegetable....  
Hard--stone.....  
Eagle--large..... 1



Stomach--body.....  
Stem--leaf.....  
Lamp--light.....  
Dream--unconsciousness  
Yellow--flag.....  
Bread--hunger.....  
Justice--freedom.....  
Boy--school.....  
Light--electricity....  
Health--business.....19  
Bible--religion.....  
Memory--brain.....  
Sheep--pasture.....  
Bath--clean.....  
Cottage--property.....17  
Swift--current.....  
Blue--uniform.....17  
Hungry--appetite.....  
Priest--church.....  
Ocean--commerce.....19  
Head--thought..... 1  
Stove--iron.....  
Long--distance.....  
Religion--belief.....  
Whiskey--alcohol.....  
Child--parent.....  
Bitter--taste.....  
Hammer--trade.....19  
Thirsty--beverage....  
City--position.....19  
Square--block.....  
Butter--yellow.....  
Doctor--profession....  
Loud--fiddle.....17  
Thief--police.....  
Lion--Africa.....  
Joy--sensation.....  
Bed--rest.....  
Heavy--burden.....  
Tobacco--store.....19  
Baby--care.....  
Moon--atmosphere.....  
Scissors--dressmaker..  
Quiet--lonesome.....  
Green--color.....  
Salt--house.....19  
Street--neighborhood..17  
King--beast.....19  
Cheese--merchant.....19  
Blossom--flowers.....  
Afraid--train.....10

CASE No. 6190.--L.L. Test record not distinguishable from normal.

Case of recent onset, with little, if any deterioration.

Table--chair.....  
Dark--light.....  
Music--note.....  
Sickness--health.....  
Man--woman..... 1  
Deep--shallow.....  
Soft--hard.....  
Eating--breakfast.....  
Mountain--rock.....  
House--chimney.....  
Black--white.....  
Mutton--animal.....  
Comfort--chair.....  
Hand--foot.....  
Short--long.....  
Fruit--ripe.....  
Butterfly--fields.....  
Smooth--hard.....  
Command--army.....  
Chair--straw.....19  
Sweet--bitter.....  
Whistle--engine.....  
Woman--man..... 1  
Cold--hot.....  
Slow--fast.....  
Wish--desire.....  
River--brook.....  
White--black.....  
Beautiful--girl.....  
Window--glass.....  
Rough--smooth.....  
Citizen--city.....  
Foot--ankle.....  
Spider--web.....  
Needle--cotton.....  
Red--brick.....  
Sleep--night.....  
Anger--joy.....  
Carpet--cloth.....  
Girl--mouth.....17  
High--low.....  
Working--idle.....  
Sour--vinegar.....  
Earth--round.....  
Trouble--sickness.....  
Soldier--gun.....  
Cabbage--garden.....  
Hard--rock.....  
Eagle--fly.....  
Stomach--man..... 1

Stem--watch.....  
Lamp--oil.....  
Dream--sleep.....  
Yellow--sunflower.....  
Bread--butter.....  
Justice--peace.....  
Boy--girl.....  
Light--window.....  
Health--man..... 1  
Bible--God.....  
Memory--mind.....  
Sheep--pasture.....  
Bath--water.....  
Cottage--trees.....  
Swift--engine.....  
Blue--sky.....  
Hungry--bread.....  
Priest--church.....  
Ocean--ships.....  
Head--mind.....  
Stove--chimney.....  
Long--wind..... 19  
Religion--God.....  
Whiskey--alcohol.....  
Child--mother.....  
Bitter--fruit.....  
Hammer--nails.....  
Thirsty--water.....  
City--cars.....  
Square--angles.....  
Butter--cow.....  
Doctor--sickness.....  
Loud--noise.....  
Thief--sinner..... 2  
Lion--jungle.....  
Joy--gladness.....  
Bed--pillow.....  
Heavy--iron.....  
Tobacco--leaf.....  
Baby--mother.....  
Moon--stars.....  
Scissors--thread.....  
Quiet--room.....  
Green--grass.....  
Salt--ocean.....  
Street--men..... 15  
King--queen.....  
Cheese--butter.....  
Blossom--bud.....  
Afraid--coward.....

Case of several years standing, but showing almost complete remission of all symptoms.

Table--chair.....  
Dark--day.....  
Music--instrument.....  
Sickness--health.....  
Man--woman..... 1  
Deep--thoughts..... 1  
Soft--apple.....  
Eating--food.....  
Mountain--rock.....  
House--building.....  
Black--dark.....  
Mutton--meat.....  
Comfort--home.....  
Hand--from..... 12  
Short--stout.....  
Fruit--eating.....  
Butterfly--bird.....  
Smooth--glossy.....  
Command--general.....  
Chair--floor.....  
Sweet--taste.....  
Whistle--tune.....  
Woman--man..... 1  
Cold--chilly.....  
Slow--fast.....  
Wish--something.....  
River--water.....  
White--black.....  
Beautiful--pretty.....  
Window--pane.....  
Rough--ugly.....  
Citizen--papers.....  
Foot--shoe.....  
Spider--bug.....  
Needle--thread.....  
Red--white.....  
Sleep--slumber.....  
Anger--kindness.....  
Carpet--mat.....  
Girl--boy.....  
High--short.....  
Working--idle.....  
Sour--sweet.....  
Earth--land.....  
Trouble--sorrow.....  
Soldier--hero.....  
Cabbage--turnip.....  
Hard--soft.....  
Eagle--owl.....  
Stomach--head.....

Stem--pipe.....  
Lamp--cover.....19  
Dream--sleep.....  
Yellow--brown.....  
Bread--biscuit.....  
Justice--peaceful..... 2  
Boy--girl.....  
Light--dark.....  
Health--well.....  
Bible--book.....  
Memory--lost..... 2  
Sheep--animal.....  
Bath--wash.....  
Cottage--house.....  
Swift--movements..... 2  
Blue--red.....  
Hungry--thirst.....  
Priest--minister.....  
Ocean--sea.....  
Head--body.....  
Stove--iron.....  
Long--length.....  
Religion--too.....12  
Whiskey--drink.....  
Child--baby.....  
Bitter--taste.....  
Hammer--nails.....  
Thirsty--drink.....  
City--town.....  
Square--man..... 1  
Butter--bread.....  
Doctor--patient.....  
Loud--howl.....17  
Thief--steal.....  
Lion--bear.....  
Joy--happiness..... 1  
Bed--blanket.....  
Heavy--weight.....  
Tobacco--smoke.....  
Baby--cradle.....  
Moon--sun.....  
Scissors--thimble.....  
Quiet--stillness.....  
Green--plaid.....17  
Salt--pepper.....  
Street--sidewalk.....  
King--queen.....  
Cheese--crackers.....  
Blossom--leaf.....  
Afraid--frightened....

PARANOID CONDITIONS.

The clinical group of psychoses included under the designation paranoid conditions is far from being homogeneous. We have here cases that are more or less closely allied to the paranoid form of dementia praecox, other cases that are apparently dependent upon involuntional changes (Kraepelin's praeseniler Beeinträchtigungswah), still other cases that are characterized by absence or at least delay of mental deterioration, etc.

In some of these cases disturbance of the flow of utterance is not observed, and the test records obtained from them present no striking abnormalities. Distinctly pathological records are obtained mainly from those cases which clinically resemble dementia praecox; in these records the nature of the pathological reactions would seem to indicate that the diagnosis of dementia praecox would be more justifiable than that of paranoid condition.

The following test records will serve to illustrate the types of reactions met with in this group of psychoses:

CASE No. 3039.--F.A. Normal record.

Table--purpose.....19  
Dark--obscure.....  
Music--pleasant..... 1  
Sickness--confinement.17  
Man--twenty-one.....12  
Deep--down.....  
Soft--smooth.....  
Eating--nourishment...  
Mountain--high.....  
House--living.....  
Black--dark.....  
Mutton--eating.....  
Comfort--pleasant..... 1  
Hand--limb.....  
Short--low.....  
Fruit--eat.....  
Butterfly--miller....  
Smooth--soft.....  
Command--obey.....  
Chair--sitting.....  
Sweet--tasting.....  
Whistle--noise.....  
Woman--female.....  
Cold--unpleasant..... 1  
Slow--easy.....  
Wish--want.....  
River--water.....  
White--colorless.....  
Beautiful--handsome...  
Window--glass.....

Rough--unpleasant..... 1  
Citizen--vote.....  
Foot--limb.....  
Spider--insect.....  
Needle--sewing.....  
Red--color.....  
Sleep--bed.....  
Anger--cross.....  
Carpet--floor.....  
Girl--young.....  
High--up.....  
Working--labor.....  
Sour--unpleasant..... 1  
Earth--dirt.....  
Trouble--worriment....  
Soldier--fight.....  
Cabbage--vegetable....  
Hard--tough.....  
Eagle--bird.....  
Stomach--anatomy.....  
  
Stem--growth.....  
Lamp--burn.....  
Dream--restlessness...  
Yellow--color.....  
Bread--eat.....  
Justice--right.....  
Boy--young.....  
Light--see.....  
Health--well.....  
Bible--religion.....  
Memory--thoughtful...  
Sheep--animal.....  
Bath--wash.....  
Cottage--house.....  
Swift--fast.....  
Blue--color.....  
Hungry--appetite.....  
Priest--Christian.....17  
Ocean--large.....  
Head--trunk.....  
Stove--fire.....  
Long--distance.....  
Religion--Christianity  
Whiskey--drinkable....  
Child--young.....  
Bitter--bad.....  
Hammer--knock.....  
Thirsty--dry.....  
City--government.....  
Square--block.....  
Butter--eat.....  
Doctor--cure.....

Loud--noisy.....  
Thief--steal.....  
Lion--animal.....  
Joy--pleasant.....  
Bed--laying.....  
Heavy--weighty.....  
Tobacco--smoking.....  
Baby--new-born.....  
Moon--planet.....  
Scissors--cutting....  
Quiet--easy.....  
Green--color.....  
Salt--preservative....  
Street--lane.....  
King--monarch.....  
Cheese--eatable.....  
Blossom--budding.....  
Afraid--fear.....

CASE No. 5803.--D.E.D. Slight tendency to give sound reactions.

Table--tree.....19  
Dark--bright.....  
Music--song.....  
Sickness--health.....  
Man--woman..... 1  
Deep--shallow.....  
Soft--hard.....  
Eating--digesting....  
Mountain--hill.....  
House--horse.....10  
Black--red.....  
Mutton--tallow.....  
Comfort--wealth.....  
Hand--arm.....  
Short--long.....  
Fruit--plate.....17  
Butterfly--net.....  
Smooth--surface.....  
Command--obey.....  
Chair--table.....  
Sweet--sour.....  
Whistle--call.....  
Woman--lady.....  
Cold--lukewarm.....19  
Slow--not.....12  
Wish--receive.....  
River--lake.....  
White--black.....  
Beautiful--graceful...  
Window--door.....  
Rough--smooth.....



Citizen--city.....  
Foot--leg.....  
Spider--soap.....10  
Needle--pin.....  
Red--yellow.....  
Sleep--slumber.....  
Anger--amiable.....  
Carpet--mat.....  
Girl--boy.....  
High--hill.....  
Working--playing.....  
Sour--sweet.....  
Earth--land.....  
Trouble--tranquillity.10  
Soldier--boy.....  
Cabbage--plant.....  
Hard--easy.....  
Eagle--bird.....  
Stomach--bowels.....  
Stem--head.....  
Lamp--chimney.....  
Dream--myth.....17  
Yellow--blue.....  
Bread--biscuit.....  
Justice--balance.....17  
Boy--girl.....  
Light--gray.....17  
Health--wealth.....  
Bible--prayerbook....  
Memory--understanding.  
Sheep--lamb.....  
Bath--swim.....  
Cottage--house.....  
Swift--slow.....  
Blue--yellow.....  
Hungry--eat.....  
Priest--bishop.....  
Ocean--river.....  
Head--neck.....  
Stove--covers.....  
Long--short.....  
Religion--optional....  
Whiskey--wine.....  
Child--baby.....  
Bitter--sweet.....  
Hammer--gimlet.....  
Thirsty--drink.....  
City--town.....  
Square--compass.....  
Butter--butterfly....  
Doctor--lawyer.....  
Loud--lord.....  
Thief--beggar.....

Lion--lioness.....  
Joy--sorrow.....  
Bed--couch.....  
Heavy--light.....  
Tobacco--cigarette....  
Baby--child.....  
Moon--stars.....  
Scissors--knife.....  
Quiet--quilt.....  
Green--envy.....  
Salt--sewing.....  
Street--lane.....  
King--queen.....  
Cheese--cracker.....  
Blossom--flower.....  
Afraid--courageous....

CASE No. 2133.--M.F. Unclassified reactions, mostly "far fetched" or incoherent; perseveration.

Table--eat.....  
Dark--night.....  
Music--sing.....  
Sickness--sadness.....  
Man--home.....  
Deep--light.....  
Soft--sleep.....13  
Eating--drink.....  
Mountain--hills.....  
House--home.....  
Black--stove.....17  
Mutton--lamb.....  
Comfort--pleasure..... 1  
Hand--write.....  
Short--short-cake.....10  
Fruit--grapes.....  
Butterfly--butter.....  
Smooth--ironing.....  
Command--correct.....19  
Chair--see.....19  
Sweet--apples.....  
Whistle--happiness.... 1  
Woman--girl.....  
Cold--warm.....  
Slow--fast.....  
Wish--like.....  
River--water.....  
White--blue.....  
Beautiful--red.....13  
Window--light.....  
Rough--easy.....  
Citizen--spring.....19

Foot--run.....  
Spider--fly.....  
Needle--Carrie.....19  
Red--pink.....  
Sleep--awake.....  
Anger--jolly.....19  
Carpet--curtains.....  
Girl--yellow.....19  
High--green.....14  
Working--bed.....19  
Sour--dishes.....19  
Earth--grapes.....13  
Trouble--work.....1  
Soldier--sing.....15  
Cabbage--potatoes.....  
Hard--sewing.....17  
Eagle--daisy.....19  
Stomach--flowers.....18  
Stem--vine.....  
Lamp--flatiron.....19  
Dream--sleep.....  
Yellow--awake.....13  
Bread--children.....  
Justice--dresses.....14  
Boy--mother.....  
Light--dark.....  
Health--wealth.....  
Bible--commands.....2  
Memory--black.....13  
Sheep--chickens.....17  
Bath--carpet.....19  
Cottage--worsted.....14  
Swift--silk.....18  
Blue--cotton.....18  
Hungry--chair.....19  
Priest--church.....  
Ocean--spring.....15  
Head--canary.....19  
Stove--board.....  
Long--dishes.....18  
Religion--piano.....19  
Whiskey--home.....15  
Child--baby.....  
Bitter--shoes.....19  
Hammer--tacks.....  
Thirsty--longing.....  
City--Flushing.....17  
Square--store.....10  
Butter--butcher.....10  
Doctor--hat.....19  
Loud--chair.....15  
Thief--picture.....19  
Lion--house.....13

Joy--gladness.....  
Bed--sleep.....  
Heavy--sick..... 2  
Tobacco--album.....19  
Baby--basket.....17  
Moon--stars.....  
Scissors--knife.....  
Quiet--spoon.....18  
Green--scar.....19  
Salt--pepper.....  
Street--sugar.....18  
King--blackening.....19  
Cheese--meat.....  
Blossom--flowers.....  
Afraid--red.....18

CASE No. 4569.--L.K. Marked stereotypy; unclassified reactions,  
mostly incoherent.

Table--fruit.....17  
Dark--light.....  
Music--pleasure..... 1  
Sickness--illness.....  
Man--parent..... 6  
Deep--verse.....19  
Soft--fruit.....  
Eating--illness.....15  
Mountain--parent..... 6  
House--privilege.....19  
Black--colors..... 2  
Mutton--parent..... 6  
Comfort--family.....18  
Hand--comfort..... 7  
Short--parent..... 6  
Fruit--parent..... 5  
Butterfly--insect.....  
Smooth--surface.....  
Command--privilege....15  
Chair--house.....  
Sweet--dairy.....19  
Whistle--nature.....19  
Woman--parent..... 6  
Cold--house..... 6  
Slow--light.....15  
Wish--desire.....  
River--house..... 6  
White--suspicion.....19  
Beautiful--house..... 6  
Window--light.....  
Rough--surface.....  
Citizen--parent..... 6  
Foot--house.....

Spider--insect.....  
Needle--house..... 6  
Red--colors.....  
Sleep--God..... 6  
Anger--God..... 5  
Carpet--house.....  
Girl--God..... 6  
High--house.....  
Working--parent..... 6  
Sour--desire.....15  
Earth--God..... 6  
Trouble--God..... 5  
Soldier--house..... 6  
Cabbage--desire.....15  
Hard--vegetable.....  
Eagle--animal.....  
Stomach--doctor.....  
Stem--growth.....  
Lamp--house.....  
Dream--God..... 6  
Yellow--color.....  
Bread--God..... 6  
Justice--fright.....19  
Boy--parent..... 6  
Light--God..... 6  
Health--God..... 5  
Bible--teachings.....  
Memory--teaching..... 2  
Sheep--God..... 6  
Bath--cleanness.....  
Cottage--home.....  
Swift--fear.....19  
Blue--color.....  
Hungry--appetite.....  
Priest--servant.....  
Ocean--God..... 6  
Head--servant..... 6  
Stove--house.....  
Long--God..... 6  
Religion--servant.... 6  
Whiskey--doctor.....15  
Child--house..... 6  
Bitter--taste.....  
Hammer--household.....19  
Thirsty--drink.....  
City--God..... 6  
Square--touch.....19  
Butter--taste.....  
Doctor--servant..... 6  
Loud--thought..... 9  
Thief--slave.....19  
Lion--animal.....  
Joy--pleasure..... 1

Bed--household.....15  
 Heavy--weight.....  
 Tobacco--doctor.....15  
 Baby--care.....  
 Moon--heavens.....  
 Scissors--household...15  
 Quiet--nerve.....19  
 Green--substance.....19  
 Salt--taste.....  
 Street--heavens.....15  
 King--servant..... 6  
 Cheese--taste.....  
 Blossom--sight.....  
 Afraid--fear.....

CASE No. 6164.--L.E. Remarkably persistent tendency to give sound reactions; numerous sound neologisms; no reactions given in response to some of the stimulus words on the ground that she had "no word to match."

Table--witchhazel.....10  
 Dark--frog.....19  
 Music--lessons..... 2  
 Sickness--badness..... 2  
 Man--wife.....  
 Deep--seef..... 4  
 Soft--shoft..... 3  
 Eating--feeding.....  
 Mountain--sounding....10  
 House--shmouse..... 3  
 Black--fake.....19  
 Mutton--shutton..... 3  
 Comfort--somfort..... 3  
 Hand--land.....10  
 Short--court.....10  
 Fruit--shrewd.....10  
 Butterfly--shuddergergy.. 3  
 Smooth--slude..... 3  
 Command--noman..... 3  
 Chair--sash.....19  
 Sweet--leaf.....19  
 Whistle--noshissel.... 3  
 Woman--lemon.....19  
 Cold--shoal.....10  
 Slow--snow.....10  
 Wish--dish.....  
 River--liberty.....10  
 White--size.....10  
 Beautiful--.....  
 Window--Hilda.....19  
 Rough--shoff..... 3  
 Citizen--shiffizen.... 3

Foot--shoot.....10  
Spider--shider..... 3  
Needle--dreedle..... 3  
Red--shred.....10  
Sleep--seef..... 3  
Anger--.....  
Carpet--shloppet..... 3  
Girl--shirl..... 3  
High--fie.....10  
Working--shlirking.... 3  
Sour--bower.....10  
Earth--world.....  
Trouble--shuttle.....19  
Soldier--polster..... 3  
Cabbage--sheffies..... 4  
Hard--shward..... 3  
Eagle--.....  
Stomach--.....  
Stem--lamp.....19  
Lamp--sant..... 4  
Dream--leam..... 3  
Yellow--cherry.....19  
Bread--dread.....10  
Justice--chestnuts....10  
Boy--.....  
Light--shwife..... 3  
Health--felt..... 2  
Bible--.....  
Memory--.....  
Sheep--sheet.....10  
Bath--scab.....19  
Cottage--foppach..... 3  
Swift--shift.....10  
Blue--shoe.....10  
Hungry--angry.....  
Priest--sheaf.....19  
Ocean--notion.....10  
Head--shred.....10  
Stove--shove..... 3  
Long--song.....10  
Religion--switching...19  
Whiskey--chiston..... 4  
Child--kile..... 3  
Bitter--shitter..... 3  
Hammer--lemon.....13  
Thirsty--flrsten..... 3  
City--.....  
Square--birds.....19  
Butter--shudder.....10  
Doctor--shoctor..... 3  
Loud--souse.....10  
Thief--sheaf.....10  
Lion--Zion.....10

Joy--bloy..... 3  
Bed--wading.....19  
Heavy--shleavy..... 3  
Tobacco--confecker.... 4  
Baby--savey..... 3  
Moon--shoon..... 3  
Scissors--.....  
Quiet--shiet..... 3  
Green--sheel..... 4  
Salt--shawlt..... 3  
Street--freet..... 3  
King--sing.....10  
Cheese--seefs..... 4  
Blossom--pleasant..... 9  
Afraid--shraid..... 3

CASE No. 3606.--F.W. Neologisms; some particles; many unclassified reactions, mostly incoherent.

Table--pleasure..... 9  
Dark--air.....19  
Music--walking.....19  
Sickness--gloves.....19  
Man--fields.....19  
Deep--courtesy.....19  
Soft--spoons.....19  
Eating--oranges.....  
Mountain--ice.....17  
House--paintings..... 2  
Black--blue.....  
Mutton--hemisphere....19  
Comfort--flowers.....19  
Hand--sawdust.....19  
Short--peanuts.....19  
Fruit--autoharp.....19  
Butterfly--disease....19  
Smooth--ice.....  
Command--botheration..19  
Chair--tea.....19  
Sweet--arrangement....19  
Whistle--steadfast....19  
Woman--flowers.....15  
Cold--grandeur.....19  
Slow--present.....19  
Wish--mania.....19  
River--courtesy.....15  
White--ink.....17  
Beautiful--flowers....  
Window--air.....  
Rough--enjoyment.....19  
Citizen--queer.....19  
Foot--hatred.....19



Spider--carousy..... 4  
Needle--pleasant..... 9  
Red--permit.....19  
Sleep--indeed.....12  
Anger--benevolence....19  
Carpet--disorder..... 19  
Girl--caterer.....19  
High--aside.....10  
Working--among..... 12  
Sour--destroy.....19  
Earth--confusion.....19  
Trouble--frivolous....19  
Soldier--air..... 15  
Cabbage--temptation...19  
Hard--among..... 12  
Eagle--quality..... 19  
Stomach--debasteur... 4  
Stem--counteract.....19  
Lamp--testament.....19  
Dream--connexus..... 4  
Yellow--division.....19  
Bread--atherey..... 4  
Justice--anger.....19  
Boy--quality.....15  
Light--among.....12  
Health--frivolous....15  
Bible--permit.....15  
Memory--usual.....19  
Sheep--astray.....  
Bath--conscientious...19  
Cottage--texalous.... 4  
Swift--patience.....19  
Blue--community.....19  
Hungry--confusion....15  
Priest--second.....19  
Ocean--apology.....19  
Head--trinity.....19  
Stove--compartment....19  
Long--terminal.....19  
Religion--abundant...19  
Whiskey--approvement.. 4  
Child--anger..... 15  
Bitter--courageous....19  
Hammer--correction....19  
Thirsty--afterwards...12  
City--cataract.....19  
Square--plenty.....19  
Butter--accost.....19  
Doctor--southern.....19  
Loud--triangular.....19  
Thief--cannery.....19  
Lion--practice.....19  
Joy--summons.....19

Bed--avron..... 4  
 Heavy--olenthegolis... 4  
 Tobacco--abundant.....15  
 Baby--parenthus..... 4  
 Moon--otherwise.....12  
 Scissors--cartridge...19  
 Quiet--outside.....12  
 Green--abouty..... 4  
 Salt--calonry..... 4  
 Street--abyss.....19  
 King--cavenry..... 4  
 Cheese--perplex.....19  
 Blossom--cartridge...15  
 Afraid--stubborn.....19

#### EPILEPSY.

Most of the cases of epilepsy in our collection show advanced dementia and in some the clinical history would indicate also original mental inferiority, that is to say, imbecility or feeble-mindedness.

In these cases the dominant characteristic, so far as shown in the test records, seems to be a narrowing of the mental horizon manifested firstly by a tendency to repeat many times one or another word, and secondly by an abnormally pronounced tendency to make use of non-specific reactions or particles of speech. Occasionally other abnormalities are noted, such as perseveration or distraction.

We submit here copies of some test records.

CASE No. 5410.--W.T.K. Repetition of words previously given; nonspecific reactions.

Table--article..... 1  
 Dark--light.....  
 Music--tone.....  
 Sickness--ill.....  
 Man--person..... 1  
 Deep--distant..... 2  
 Soft--condition..... 6  
 Eating--chew.....  
 Mountain--high.....  
 House--abode.....  
 Black--color.....  
 Mutton--meat.....  
 Comfort--peace.....  
 Hand--limb.....  
 Short--distance.....  
 Fruit--result.....  
 Butterfly--animal.....  
 Smooth--plain.....

Command--order.....  
Chair--seat.....  
Sweet--pleasant..... 1  
Whistle--sound.....  
Woman--female.....  
Cold--chilly.....  
Slow--pace.....  
Wish--desire.....  
River--body.....  
White--clear.....  
Beautiful--grand.....  
Window--place.....13  
Rough--unsmooth..... 4  
Citizen--member.....  
Foot--member.....  
Spider--animal.....  
Needle--article..... 1  
Bed--color.....  
Sleep--rest.....  
Anger--condition..... 6  
Carpet--covering.....  
Girl--female.....  
High--distance.....  
Working--occupation...  
Sour--condition..... 6  
Earth--planet.....  
Trouble--condition.... 6  
Soldier--member..... 6  
Cabbage--vegetable....  
Hard--condition..... 6  
Eagle--animal.....  
Stomach--member.....  
Stem--branch.....  
Lamp--article..... 1  
Dream--thinking..... 1  
Yellow--shade.....  
Bread--article..... 6  
Justice--position.....19  
Boy--male.....  
Light--clear.....  
Health--condition....  
Bible--book.....  
Memory--condition.... 6  
Sheep--animal.....  
Bath--position.....15  
Cottage--house.....  
Swift--fast.....  
Blue--color.....  
Hungry--condition.... 6  
Priest--office.....  
Ocean--body.....  
Head--member.....  
Stove--article..... 1

Long--distance.....  
Religion--profession..  
Whiskey--liquid.....  
Child--person..... 1  
Bitter--condition..... 6  
Hammer--article..... 1  
Thirsty--condition.... 6  
City--place.....  
Square--honest.....  
Butter--article..... 6  
Doctor--profession....  
Loud--sound.....  
Thief--position.....15  
Lion--animal.....  
Joy--pleasant..... 1  
Bed--article..... 6  
Heavy--weight.....  
Tobacco--plant.....  
Baby--person..... 1  
Moon--planet.....  
Scissors--article..... 1  
Quiet--peaceful.....  
Green--shade.....  
Salt--article..... 1  
Street--place.....  
King--ruler.....  
Cheese--article..... 6  
Blossom--plant.....  
Afraid--fear.....

CASE No. 2208.--J.A. Repetition of words previously given;  
non-specific reactions.

Table--wood.....  
Dark--chairs.....13  
Music--wood.....14  
Sickness--dropsy.....17  
Man--body.....  
Deep--well.....  
Soft--lady.....19  
Eating--man..... 6  
Mountain--hills.....  
House--barns..... 2  
Black--horse.....  
Mutton--sheep.....  
Comfort--poison.....19  
Hand--man..... 1  
Short--people..... 1  
Fruit--trees.....  
Butterfly--tree.....  
Smooth--people..... 6  
Command--general.....

Chair--hands.....16  
Sweet--fruit.....  
Whistle--man..... 1  
Woman--people..... 1  
Cold--ice.....  
Slow--people..... 6  
Wish--dead.....19  
River--lakes.....  
White--foam.....17  
Beautiful--man..... 1  
Window--glass.....  
Rough--people..... 6  
Citizen--man..... 1  
Foot--people..... 6  
Spider--barn.....15  
Needle--clothes.....  
Red--blood.....  
Sleep--bed.....  
Anger--angry.....  
Carpet--stores.....19  
Girl--ladies..... 2  
High--mountain.....  
Working--people..... 6  
Sour--fruit.....  
Earth--clay.....  
Trouble--bad..... 1  
Soldier--man..... 1  
Cabbage--field.....  
Hard--case.....19  
Eagle--bird.....  
Stomach--man..... 1  
Stem--pipe.....  
Lamp--fire.....  
Dream--bad..... 1  
Yellow--chair.....15  
Bread--rye.....  
Justice--right.....  
Boy--bad..... 1  
Light--ship.....19  
Health--pig.....19  
Bible--man..... 6  
Memory--mind.....  
Sheep--mutton.....  
Bath--water.....  
Cottage--house.....  
Swift--ship.....15  
Blue--lines.....17  
Hungry--people..... 6  
Priest--man..... 1  
Ocean--deep.....  
Head--bad..... 9  
Stove--wood.....  
Long--trees..... 2

Religion--form.....19  
Whiskey--apples.....17  
Child--people..... 1  
Bitter--apples.....  
Hammer--axe.....  
Thirsty--drink.....  
City--towns.....

Square--measurement...  
Butter--cows.....  
Doctor--person..... 1  
Loud--people..... 1  
Thief--person..... 1  
Lion--animal.....  
Joy--person..... 9  
Bed--man..... 6  
Heavy--mountain.....  
Tobacco--growing.....  
Baby--person..... 1  
Moon--people..... 6  
Scissors--cutting.....  
Quiet--mind.....  
Green--cloud.....19  
Salt--planting.....13  
Street--walk.....  
King--human.....19  
Cheese--milk.....  
Blossom--flowers.....  
Afraid--human.....15

CASE No. 01218.--E.M. Repetition of words previously given;  
non-specific reactions.

Table--tablecloth.....  
Dark--dog.....  
Music--figure.....17  
Sickness--drink.....17  
Man--people..... 1  
Deep--pull.....19  
Soft--light.....  
Eating--think..... 1  
Mountain--well.....13  
House--plumber.....17  
Black--horse.....  
Mutton--park.....19  
Comfort--nice..... 1  
Hand--use..... 1  
Short--long.....  
Fruit--figs.....  
Butterfly--cloth.....19  
Smooth--nice..... 1  
Command--pleasant..... 6

Chair--wash.....19  
Sweet--sour.....  
Whistle--mug.....19  
Woman--pear.....19  
Cold--warm.....  
Slow--quickness.....  
Wish--nice..... 1  
River--pleasant..... 1  
White--use..... 6  
Beautiful--comfort....19  
Window--looks..... 2  
Rough--pleasant..... 6  
Citizen--comfort.....15  
Foot--help.....  
Spider--wake.....19  
Needle--use..... 1  
Red--look.....15  
Sleep--good..... 1  
Anger--no.....12  
Carpet--make.....19  
Girl--happy..... 9  
High--nice..... 6  
Working--pleasant.... 1  
Sour--bag.....19  
Earth--ground.....  
Trouble--good..... 6  
Soldier--clothes.....  
Cabbage--eat.....  
Hard--good..... 1  
Eagle--pleasant..... 6  
Stomach--hurt.....  
Stem--use..... 1  
Lamp--lighted.....  
Dream--pleasant..... 1  
Yellow--wake.....15  
Bread--making.....  
Justice--help.....  
Boy--pleasant..... 6  
Light--big.....19  
Health--nice..... 6  
Bible--use..... 1  
Memory--no.....12  
Sheep--pleasant..... 1  
Bath--good..... 6  
Cottage--useful.....  
Swift--quick.....  
Blue--good..... 1  
Hungry--sour.....15  
Priest--good..... 1  
Ocean--useful..... 6  
Head--nice..... 6  
Stove--lighted..... 2  
Long--lake.....19

Religion--pleasant.... 6  
Whiskey--use..... 6  
Child--help..... 6  
Bitter--sour.....  
Hammer--stick.....19  
Thirsty--drink.....  
City--handy.....19  
Square--pleasant..... 6  
Butter--useful..... 1  
Doctor--help.....  
Loud--make.....15  
Thief--punish..... 2  
Lion--bad..... 9  
Joy--happy..... 1  
Bed--pleasant..... 1  
Heavy--light.....  
Tobacco--pleasant..... 1  
Baby--help..... 6  
Moon--sun.....  
Scissors--pleasant.... 6  
Quiet--sleep.....  
Green--beans.....10  
Salt--handy.....15  
Street--make.....15  
King--nice..... 6  
Cheese--good..... 1  
Blossom--pleasant.... 1  
Afraid--will.....19

CASE No. 4989.--C.H. Repetition of words previously given;  
non-specific reactions; particles.

Table--work..... 1  
Dark--true.....19  
Music--pleasant..... 1  
Sickness--well.....  
Man--absent.....19  
Deep--together.....12  
Soft--plenty..... 6  
Eating--good..... 1  
Mountain--together....12  
House--one.....12  
Black--America.....19  
Mutton--vegetable.... 2  
Comfort--sleep.....  
Hand--nothing.....19  
Short--never.....12  
Fruit--vegetable.....  
Butterfly--bird.....  
Smooth--large..... 9  
Command--willing.....  
Chair--good..... 6



Sweet--always..... 6  
Whistle--music.....  
Woman--one.....12  
Cold--medium..... 6  
Slow--quick.....  
Wish--hope.....  
River--lake.....  
White--always..... 6  
Beautiful--medium..... 6  
Window--open.....  
Rough--smooth.....  
Citizen--American.....  
Foot--two.....  
Spider--butterfly.....  
Needle--steel.....  
Red--color.....  
Sleep--plenty.....  
Anger--never.....  
Carpet--floor.....  
Girl--five.....12  
High--medium.....  
Working--always.....  
Sour--never..... 6  
Earth--cultivate.....17  
Trouble--none.....  
Soldier--willing.....15  
Cabbage--vegetable....  
Hard--seldom.....12  
Eagle--American.....  
Stomach--no.....12  
Stem--one.....12  
Lamp--burning.....  
Dream--always..... 6  
Yellow--sometimes.....12  
Bread--soft.....  
Justice--always.....  
Boy--two.....12  
Light--plenty.....  
Health--plenty.....  
Bible--Catholic.....17  
Memory--good..... 1  
Sheep--wool.....  
Bath--good..... 1  
Cottage--plenty..... 6  
Swift--medium..... 6  
Blue--never..... 6  
Hungry--seldom..... 6  
Priest--good..... 1  
Ocean--three.....12  
Head--good..... 1  
Stove--burning.....  
Long--medium.....  
Religion--willing.....15

Whiskey--some.....19  
Child--good..... 1  
Bitter--never..... 6  
Hammer--tool.....  
Thirsty--seldom..... 6  
City--New York.....  
Square--always..... 6  
Better--good..... 1  
Doctor--good..... 1  
Loud--medium..... 6  
Thief--none.....  
Lion--animal.....  
Joy--plenty..... 6  
Bed--good..... 1  
Heavy--medium..... 6  
Tobacco--yes.....12  
Baby--more.....19  
Moon--bright.....  
Scissors--sharp.....  
Quiet--plenty..... 6  
Green--good..... 6  
Salt--little.....19  
Street--lots.....18  
King--none.....  
Cheese--seldom..... 6  
Blossom--always..... 6  
Afraid--sometimes.....15

CASE No. 4847.--C.C. Distraction

Table--eat.....  
Dark--lock.....10  
Music--fiddle.....  
Sickness--doctors..... 2  
Man--woman..... 1  
Deep--water.....  
Soft--snow.....  
Eating--oats.....17  
Mountain--spray.....19  
House--building.....  
Black--red.....15  
Mutton--meat..... 9  
Comfort--red.....15  
Hand--people..... 9  
Short--world.....19  
Fruit--age.....18  
Butterfly--bird.....  
Smooth--eggs.....18  
Command--cake.....19  
Chair--world.....15  
Sweet--cherries.....  
Whistle--peaches.....18

Woman--children.....  
Cold--summer.....17  
Slow--brother.....19  
Wish--pear.....19  
River--orange.....18  
White--black.....  
Beautiful--red.....13  
Window--door.....  
Rough--table.....  
Citizen--couch.....19  
Foot--arm.....  
Spider--fly.....  
Needle--scissors.....17  
Red--blue.....  
Sleep--pink.....13  
Anger--box.....19  
Carpet--rug.....  
Girl--boy.....  
High--play.....  
Working--cup.....19  
Sour--bread.....17  
Earth--picture.....19  
Trouble--soap.....19  
Soldier--towel.....18  
Cabbage--turnip.....  
Hard--tree.....  
Eagle--clock.....19  
Stomach--eat.....  
Stem--soap.....15  
Lamp--oil.....  
Dream--glass.....13  
  
Yellow--bottle.....18  
Bread--soap.....15  
Justice--pencil.....19  
Boy--picture.....15  
Light--darkness.....  
Health--washstand.....19  
Bible--book.....  
Memory--saucer.....19  
Sheep--chair.....19  
Bath--bureau.....14  
  
Cottage--pan.....19  
Swift--towel.....15  
Blue--wash.....2  
Hungry--eat.....  
Priest--church.....  
Ocean--beans.....19  
Head--prunes.....18  
Stove--cook.....  
Long--fig.....19  
Religion--church.....

Whiskey--tea.....17  
Child--people..... 1  
Bitter--stomach.....19  
Hammer--tack.....  
Thirsty--peach.....15  
City--box.....15  
Square--soap.....15  
Butter--lard.....  
Doctor--sick.....  
Loud--head.....19  
Thief--cup.....15  
Lion--bottle.....15  
Joy--pitcher.....19  
Bed--sheet.....  
Heavy--blanket.....13  
Tobacco--mustard.....19  
Baby--pepper.....18  
Moon--heater.....19  
Scissors--string.....  
Quiet--lace.....19  
Green--red.....  
Salt--soda.....17  
Street--soldier.....19  
King--box.....15  
Cheese--cake.....  
Blossom--shell.....19  
Afraid--blotter.....19

CASE No. 3597.--L.T. Some neologisms, all possessing obvious meaning.

Table--stand.....  
Dark--light.....  
Music--instrument.....  
Sickness--health.....  
Man--female.....  
Deep--detableness..... 4  
Soft--hard.....  
Eating--starving.....  
Mountain--isthmus.....17  
House--building.....  
Black--white.....  
Mutton--beef.....  
Comfort--patient.....  
Hand--leg.....  
Short--long.....  
Fruit--vegetable.....  
Butterfly--spider.....  
Smooth--coarse.....  
Command--thought..... 1  
Chair--utensil.....19  
Sweet--sour.....  
Whistle--trumpet.....

Woman--man..... 1  
Cold--warm.....  
Slow--quick.....  
Wish--command.....  
River--lake.....  
White--black.....  
Beautiful--pretty..... 1  
Window--door.....  
Rough--straight.....  
Citizen--tramp.....19  
Foot--arm.....  
Spider--fly.....  
Needle--pin.....  
Red--blue.....  
Sleep--awake.....  
Anger--patient..... 2  
Carpet--rug.....  
Girl--servant.....  
High--low.....  
Working--laziness.....  
Sour--sweet.....  
Earth--hemisphere.....  
Trouble--goodness..... 9  
Soldier--merchant.....17  
Cabbage--pumpkin.....17  
Hard--tight.....  
Eagle--hawk.....  
Stomach--abdomen.....  
Stem--leaf.....  
Lamp--lantern.....  
Dream--nightmare.....  
Yellow--lavender.....17  
Bread--pastry.....  
Justice--badness..... 2  
Boy--child.....  
Light--darkness.....  
Health--sickness.....  
Bible--testament.....  
Memory--remember.....  
Sheep--lamb.....  
Bath--dirtiness..... 2  
Cottage--building.....  
Swift--quickly.....  
Blue--redness..... 2  
Hungry--starving.....  
Priest--minister.....  
Ocean--sea.....  
Head--topness..... 4  
Stove--cooking.....  
Long--shorter..... 2  
Religion--wickedness..  
Whiskey--medicine.....  
Child--daughter.....

Bitter--sweetness..... 2  
 Hammer--pickaxe.....17  
 Thirsty--drinkness.... 4  
 City--village.....  
 Square--strightness... 2  
 Butter--syrup.....17  
 Doctor--queen.....19  
 Loud--low.....  
 Thief--burglar.....  
 Lion--tiger.....  
 Joy--enjoyable..... 2  
 Bed--bedstead.....  
 Heavy--lightness.....  
 Tobacco--sweetness.... 2  
 Baby--infant.....  
 Moon--sun.....  
 Scissors--shears.....  
 Quite--noisiness..... 4  
 Green--greenbill..... 3  
 Salt--sugar.....  
 Street--island.....19  
 King--nephew.....19  
 Cheese--curdness..... 4  
 Blossom--bud.....  
 Afraid--knowledgeable. 4

#### GENERAL PARESIS.

Cases presenting no considerable dementia or confusion and cases in a state of remission are apt to give normal test records. As we proceed from the records of such cases to those of cases showing mental deterioration we observe a gradual reduction in the values of reactions, contraction of the mental horizon,[1] and the appearance of the phenomenon of perseveration. We submit the following test records for illustration:

[Footnote 1: What we mean by contraction of the mental horizon has already been described in connection with epilepsy, page 47.]

CASE No. 4047.--C.A.F. Almost complete remission of all mental symptoms. Normal record.

Table--dish.....  
 Dark--light.....  
 Music--sound.....  
 Sickness--disease.....  
 Man--woman..... 1  
 Deep--fathomless.....  
 Soft--sweet.....  
 Eating--food.....  
 Mountain--high.....  
 House--barn.....

Black--color.....  
Mutton--meat.....  
Comfort--ease.....  
Hand--foot.....  
Short--long.....  
Fruit--sweet.....  
Butterfly--moth.....  
Smooth--rough.....  
Command--order.....  
Chair--leg.....  
Sweet--pleasant..... 1  
Whistle--sound.....  
Woman--female.....  
Cold--ice.....  
Slow--languid.....17  
Wish--desire.....  
River--long.....  
White--color.....  
Beautiful--fair.....  
Window--glass.....  
Rough--smooth.....  
Citizen--voter.....  
Foot--toe.....  
Spider--fly.....  
Needle--sharp.....  
Red--color.....  
Sleep--slumber.....  
Anger--rage.....  
Carpet--sweep.....  
Girl--maiden.....  
High--lofty.....  
Working--toiling.....  
Sour--distasteful.....  
Earth--ground.....  
Trouble--sorrow.....  
Soldier--fighter.....  
Cabbage--leaf.....  
Hard--easy.....  
Eagle--fly.....  
Stomach--food.....  
Stem--petal.....  
Lamp--light.....  
Dream--slumber.....  
Yellow--color.....  
Bread--eat.....  
Justice--judgment.....  
Boy--youth.....  
Light--lamp.....  
Health--nature.....17  
Bible--holy.....  
Memory--remember.....  
Sheep--lamb.....  
Bath--water.....

Cottage--house.....  
Swift--fast.....  
Blue--color.....  
Hungry--famished.....  
Priest--holy.....  
Ocean--sea.....  
Head--top.....  
Stove--fire.....  
Long--short.....  
Religion--holy.....  
Whiskey--drink.....  
Child--infant.....  
Bitter--sour.....  
Hammer--knock.....  
Thirsty--drink.....  
City--town.....  
Square--round.....  
Butter--eat.....  
Doctor--physician.....  
Loud--knock.....  
Thief--steal.....  
Lion--tiger.....  
Joy--happiness..... 1  
Bed--sleep.....  
Heavy--weigh.....  
Tobacco--smoke.....  
Baby--child.....  
Moon--stars.....  
Scissors--cut.....  
Quiet--soft.....  
Green--color.....  
Salt--food.....  
Street--lane.....  
King--queen.....  
Cheese--eat.....  
Blossom--flower.....  
Afraid--fear.....

CASE No. 6660.--F.F. Repetition of words previously given;  
non-specific reactions; unclassified reactions some of which are  
"circumstantial" (see page 25).

Table--bureau.....19  
Dark--boats..... 2  
Music--piano.....  
Sickness--doctor.....  
Man--sober.....19  
Deep--cellar.....  
Soft--easy.....  
Eating--chewing.....  
Mountain--climb.....  
House--tenants..... 2



Black--color.....  
Mutton--meat.....  
Comfort--easy.....  
Hand--use..... 1  
Short--stump..... 2  
Fruit--nice..... 1  
Butterfly--like..... 6  
Smooth--clean.....  
Command--faithful..... 17  
Chair--easy.....  
Sweet--like..... 6  
Whistle--good..... 6  
Woman--like..... 6  
Cold--medicine.....  
Slow--l..... 12  
Wish--like.....  
River--boats.....  
White--sheet.....  
Beautiful--flowers....  
Window--red..... 14  
Rough--streets..... 2  
Citizen--honest.....  
Foot--walking.....  
Spider--kill..... 10  
Needle--sew.....  
Red--nice..... 6  
Sleep--rest.....  
Anger--cross.....  
Carpet--good..... 6  
Girl--nice..... 1  
High--good..... 1  
Working--well..... 19  
Sour--bitter.....  
Earth--property..... 19  
Trouble--fighting....  
Soldier--good..... 1  
Cabbage--eat.....  
Hard--sorry..... 19  
Eagle--good..... 6  
Stomach--good..... 1  
Stem--fair..... 19  
Lamp--use..... 1  
Dream--now..... 12  
Yellow--color.....  
Bread--good..... 1  
Justice--fine..... 1  
Boy--good..... 1  
Light--good..... 1  
Health--right..... 19  
Bible--home.....  
Memory--good..... 1  
Sheep--like..... 6  
Bath--good..... 1

Cottage--fine..... 1  
Swift--go.....  
Blue--nice..... 6  
Hungry--bad..... 1  
Priest--Father.....  
Ocean--boats.....  
Head--brains.....  
Stove--heat.....  
Long--streets.....  
Religion--Catholic....  
Whiskey--bad..... 1  
Child--good..... 1  
Bitter--sorrow.....  
Hammer--use..... 1  
Thirsty--drink.....  
City--Brooklyn.....  
Squares--park..... 2  
Butter--ice.....19  
Doctor--cure.....  
Loud--holler.....  
Thief--no..... 2  
Lion--no..... 6  
Joy--hope.....  
Bed--rest.....  
Heavy--loud.....  
Tobacco--good..... 1  
Baby--good..... 1  
Moon--light.....  
Scissors--use..... 1  
Quiet--good..... 1  
Green--nice..... 6  
Salt--use..... 1  
Street--nice..... 1  
King--right.....19  
Cheese--nice..... 1  
Blossom--grow.....  
Afraid--no.....

CASE No. 618.--R.N. Numerous particles of speech; some unclassified reaction, chiefly "circumstantial" (see page 25).

Table--eat.....  
Dark--cloudy.....  
Music--fond.....19  
Sickness--well.....  
Man--human.....  
Deep--ocean.....  
Soft--fine..... 1  
Eating--yes..... 6  
Mountain--yes..... 5  
House--yes..... 5  
Black--yes..... 5

Mutton--yes..... 5  
Comfort--yes..... 5  
Hand--finger.....  
Short--yes..... 6  
Fruit--yes..... 5  
Butterfly--yes..... 5  
Smooth--even.....  
Command--obey.....  
Chair--settle.....17  
Sweet--bitter.....  
Whistle--can't.....19  
Woman--lady.....  
Cold--ice.....  
Slow--fast.....  
Wish--give.....  
River--enjoyment.....19  
White--black.....  
Beautiful--yes..... 6  
Window--pane.....  
Rough--smooth.....  
Citizen--yes..... 6  
Foot--one.....12  
Spider--yes..... 6  
Needle--sewing.....  
Red--blue.....  
Sleep--nap.....17  
Anger--willing..... 19  
Carpet--yes..... 6  
Girl--nature.....19  
High--low.....  
Working--artist.....17  
Sour--sweet.....  
Earth--world.....  
Trouble--peaceful....  
  
Soldier--no.....12  
Cabbage--vegetable....  
Hard--soft.....  
Eagle--American.....  
Stomach--condition....  
Stem--post.....17  
Lamp--light.....  
Dream--thinking..... 1  
Yellow--green.....  
Bread--loaf.....  
Justice--yes.....  
Boy--human.....  
Light--heaven.....  
Health--wealth.....  
Bible--yes..... 6  
Memory--yes..... 5  
Sheep--animal.....  
Bath--yes..... 6

Cottage--yes..... 5  
Swift--fast.....  
Blue--gray.....  
Hungry--no.....  
Priest--yes..... 6  
Ocean--water.....  
Head--human.....  
Stove--coal.....  
Long--short.....  
Religion--yes..... 6  
Whiskey--no.....12  
Child--baby.....  
Bitter--sweet.....  
Hammer--pincher.....17  
Thirsty--drinking.....  
City--population.....  
Square--circle.....  
Butter--lard.....  
Doctor--physician.....  
Loud--low.....  
Thief--penalty.....17  
Lion--liar.....10  
Joy--welcome.....17  
Bed--sleep.....  
Heavy--light.....  
Tobacco--yes..... 6  
Baby--human.....  
Moon--natural.....15  
Scissors--no.....12  
Quiet--yes..... 6  
Green--shade.....  
Salt--eat.....  
Street--town.....  
King--ruler.....  
Cheese--eat.....  
Blossom--blooming.....  
Afraid--scared.....

CASE No. 6518.--C.Z. Perseveration shown by numerous instances of association to preceding reaction.

Table--horse.....19  
Dark--wren.....10  
Music--lark.....18  
Sickness--cold.....  
Man--woman..... 1  
Deep--sea.....  
Soft--hard.....  
Eating--drinking.....  
Mountain--fountain....  
House--barn.....  
Black--stable.....13

Mutton--cow.....  
Comfort--horse.....18  
Hand--lamb.....  
Short--calf.....  
Fruit--apples.....  
Butterfly--oranges.... 2  
Smooth--peaches.....18  
Command--plums.....18  
Chair--bench.....  
sweet--sugar.....  
Whistle--drum.....17  
Woman--man..... 1  
Cold--hot.....  
Slow--fast.....  
Wish--who.....12  
River--water.....  
White--blue.....  
Beautiful--splendid...  
Window--sashes..... 2  
Rough--ready.....  
Citizen--Brooklyn.....  
Foot--shoe.....  
Spider--web.....  
Needle--pin.....  
Red--blue.....  
Sleep--awake.....  
Anger--bad..... 1  
Carpet--sweeper.....  
Girl--boy.....  
High--low.....  
Working--playing.....  
Sour--sweet.....  
Earth--ground.....  
Trouble--wheelbarrow..19  
Soldier--Mexican.....17  
Cabbage--potatoes.....  
Hard--beets.....18  
Eagle--carrots.....18  
Stomach--peas.....18  
Stem--peas..... 5  
Lamp--burning.....  
Dream--happy..... 1  
Yellow--blue.....  
Bread--green.....12  
Justice--freedom.....  
Boy--girl.....  
Light--burning.....  
Health--strength.....  
Bible--prayerbook.....  
Memory--thoughts..... 1  
Sheep--lamb.....  
Bath--water.....  
Cottage--house.....

Swift--whist.....10  
 Blue--red.....  
 Hungry--eating.....  
 Priest--Father.....  
 Ocean--mother.....18  
 Head--brother.....18  
 Stove--sister.....18  
 Long--freedom.....15  
 Religion--smart.....19  
 Whiskey--wine.....  
 Child--lamb.....19  
 Bitter--goat.....18  
 Hammer--nails.....  
 Thirsty--dry.....  
 City--talking.....19  
 Square--inches.....  
 Butter--cheese.....  
 Doctor--bread.....13  
 Loud--oranges.....15  
 Thief--almonds.....18  
 Lion--apples.....18  
 Joy--grapes.....18  
 Bed--peaches.....18  
 Heavy--cranberries....18  
 Tobacco--grapes.....18  
 Baby--watermelon.....18  
 Moon--muskmelons.....18  
 Scissors--citrons.....10  
 Quiet--squashes.....18  
 Green--pumpkins.....18  
 Salt--cucumbers.....18  
 Street--tomatoes.....18  
 Kings--pears.....18  
 Cheese--apples.....18  
 Blossom--cherries.....  
 Afraid--gooseberries..18

CASE No. 5329.--B.W. Perseveration; record almost entirely made up of instances of association to preceding reaction.

Table--San Francisco...19  
 Dark--comprehensible...19  
 Music--sinking.....  
 Sickness--Brooklyn.....19  
 Man--woman..... 1  
 Deep--amazing.....19  
 Soft--pleasant..... 9  
 Eating--digesting.....  
 Mountain--gulf.....17  
 House--peninsula.....18  
 Black--Constantinople..18  
 Mutton--Bermuda.....18

Comfort--Los Angeles...18  
Hand--Cuba.....18  
Short--cities.....18  
Fruit--Iowa.....18  
Butterfly--England.....18  
Smooth--Russia.....18  
Command--Turkey.....18  
Chair--Manila.....18  
Sweet--Porto Rico.....18  
Whistle--Washington....18  
Woman--Cincinnati.....18  
Cold--Pittsburg.....18  
Slow--Philadelphia.....  
Wish--Milwaukee.....18  
River--St. Louis.....18  
White--Japan.....18  
Beautiful--China.....18  
Window--Berlin.....18  
Rough--Glasgow.....18  
Citizen--London.....18  
Foot--Dublin.....18  
Spider--Sacramento....18  
Needle--Texas.....18  
Red--North Carolina....18  
Sleep--Florida.....18  
Anger--Seattle.....18  
Carpet--Nevada.....18  
Girl--Iowa.....15  
High--Virginia.....18  
Working--Louisiana....18  
Sour--Hawaii.....18  
Earth--Connecticut....18  
Trouble--Rhode Island..18  
Soldier--Vermont.....18  
Cabbage--Massachusetts.18  
Hard--Hudson.....18  
Eagle--East River.....18  
Stomach--Staten Island.18  
Stem--Kings Park.....18  
Lamp--Fort Lee.....18  
Dream--Long Island....18  
Yellow--Greenport.....18  
Bread--Southold.....18  
Justice--Northport....18  
Boy--New Jersey.....18  
Light--Rome.....18  
Health--Italy.....18  
Bible--Episcopal.....17  
Memory--Methodist.....18  
Sheep--Congregational..18  
Bath--Baptist.....18  
Cottage--minister.....18  
Swift--physician.....18

Blue--horse.....	18
Hungry--cow.....	18
Priest--Catholics.....	
Ocean--lake.....	
Head--bay.....	13
Stove--sound.....	18
Long--Island.....	
Religion--Boston.....	18
Whiskey--Harvard.....	18
Child--Yale.....	18
Bitter--Columbia.....	18
Hammer--library.....	18
Thirsty--Carnegie.....	18
City--Rockefeller.....	18
Square--Harriman.....	18
Butter--Leggitt.....	18
Doctor--Lincoln.....	18
Loud--Roosevelt.....	18
Thief--Taft.....	18
Lion--Gaynor.....	18
Joy--Slocum.....	18
Bed--Grant.....	18
Heavy--McClellan.....	18
Tobacco--Spain.....	19
Baby--New London.....	18
Moon--Newburgh.....	18
Scissors--Troy.....	18
Quiet--Schenectady.....	18
Green--Lake George.....	18
Salt--Vienna.....	18
Street--Alsace Lorraine.....	18
King--Garfield.....	17
Cheese--McKinley.....	18
Blossom--Bryan.....	18
Afraid--Blaine.....	18

#### MANIC-DEPRESSIVE INSANITY.

In this disorder the departures from the normal seem to be less pronounced than in the psychoses considered above. The number of individual reactions is in most cases not greatly above the normal average; and, so far as their character is concerned, we find that many of them are classed as normal, in accordance with the appendix to the frequency tables; among the unclassified reactions, which are quite frequent here, we find mostly either obviously normal ones, or some of the type to which we have already referred as "far-fetched," while others among them are "circumstantial" (see p. 25); further we find that most of the remaining individual reactions fall into the general group of partial dissociation: non-specific reactions, sound reactions, word complements, and particles.

In some cases the only abnormality that is found is that of an undue



tendency to respond by non-specific reactions, most of them being common and there being no excessive number of individual reactions. It would seem legitimate to assume that this tendency is here to be regarded as a manifestation of the phenomenon which is clinically described as \_dearth of ideas\_. It is significant that this tendency is observed not only in depressive phases of the psychosis, but also in manic phases and even in the normal intervals of recurrent cases or after apparent recovery in acute cases; this will be seen from some of the test records which are here reproduced.

Occasionally cases are met with which give a large number of unclassified reactions, seemingly incoherent. There can be no doubt that at least some of these cases are clinically perfectly typical ones of manic-depressive insanity, yet the test records strongly resemble, in some respects, those of dementia praecox.

Since clinically the distinction between typical cases of these psychoses can be so clearly made on the basis of the disorders of the flow of thought respectively characterizing them, it could hardly be assumed that the associational disturbances in these two groups of cases are truly related, although there may be an apparent resemblance; it must be acknowledged that we are here confronted with one of the most serious shortcomings of the association test, or at least of the present method of applying it.

CASE No. 5236.--M.B. Depressive attack. Normal record.

Table--eat.....  
Dark--night.....  
Music--play.....  
Sickness--death.....  
Man--health..... 13  
Deep--depth.....  
Soft--hard.....  
Eating--chewing.....  
Mountain--high.....  
House--living.....  
Black--color.....  
Mutton--sheep.....  
Comfort--kind..... 2  
Hand--body.....  
Short--small..... 1  
Fruit--garden.....  
Butterfly--spring.....  
Smooth--rough.....  
Command--obey.....  
Chair--sit.....  
Sweet--apple.....  
Whistle--music.....  
Woman--land.....  
Cold--chilly.....  
Slow--easy.....

Wish--want.....  
River--water.....  
White--color.....  
Beautiful--grand.....  
Window--light.....  
Rough--smooth.....  
Citizen--man..... 1  
Foot--body.....  
Spider--animal.....  
Needle--sew.....  
Red--color.....  
Sleep--rest.....  
Anger--badness..... 2  
Carpet--floor.....  
Girl--young.....  
High--low.....  
Working--busy.....  
Sour--sweet.....  
Earth--live.....  
Trouble--grief.....  
Soldier--army.....  
Cabbage--garden.....  
Hard--stone.....  
Eagle--bird.....  
Stomach--body.....  
Stem--plant.....  
Lamp--light.....  
Dream--sleep.....  
Yellow--color.....  
Bread--eat.....  
Justice--kind..... 2  
Boy--young.....  
Light--day.....  
Health--strength.....  
Bible--Christ.....  
Memory--think..... 1  
Sheep--mutton.....  
Bath--clean.....  
Cottage--live.....  
Swift--run.....  
Blue--color.....  
Hungry--food.....  
Priest--clergy.....  
Ocean--water.....  
Head--body.....  
Stove--fire.....  
Long--tall.....  
Religion--teaching....  
Whiskey--drink.....  
Child--young.....  
Bitter--sweet.....  
Hammer--nail.....  
Thirsty--drink.....

City--town.....  
Square--four.....  
Butter--eat.....  
Doctor--medicine.....  
Loud--noise.....  
Thief--steal.....  
Lion--beast.....  
Joy--kind..... 6  
Bed--sleep.....  
Heavy--weight.....  
Tobacco--smoke.....  
Baby--mother.....  
Moon--light.....  
Scissors--cut.....  
Quiet--kind..... 6  
Green--grass.....  
Salt--table.....  
Street--walk.....  
King--government.....  
Cheese--eat.....  
Blossom--tree.....  
Afraid--coward.....

CASE No. 6120.--M.L. Maniacal attack. Fifteen individual reactions,  
of which 11 are classed as normal in accordance with the appendix to  
the frequency tables.

Table--chair.....  
Dark--light.....  
Music--chorus.....17  
Sickness--health.....  
Man--woman..... 1  
Deep--around.....  
Soft--light.....  
Eating--food.....  
Mountain--valley.....  
House--flat.....17  
Black--white.....  
Mutton--beef.....  
Comfort--disease.....  
Hand--legs.....  
Short--tall.....  
Fruit--grapes.....  
Butterfly--birds.....  
Smooth--rough.....  
  
Command--president.....17  
Chair--assemblyman.....18  
Sweet--bitter.....  
Whistle--birds.....  
Woman--man..... 1  
Cold--warm.....

Slow--fast.....  
Wish--well.....  
River--mountain.....  
White--red.....  
Beautiful--heaven.....  
Window--door.....  
Rough--smooth.....  
Citizen--naturalization.  
Foot--hand.....  
Spider--bug.....  
Needle--doctor.....19  
Red--white.....  
Sleep--well.....  
Anger--passion.....  
Carpet--cloth.....  
Girl--boy.....  
High--low.....  
Working--pleasure..... 1  
Sour--sweet.....  
Earth--heaven.....  
Trouble--anger.....  
Soldier--mine..... 12  
Cabbage--steak.....17

Hard--soft.....  
Eagle--parrot.....  
Stomach--pelvis.....17  
Stem--flowers.....  
Lamp--light.....  
Dream--empty.....17  
Yellow--black.....  
Bread--brown.....  
Justice--done.....  
Boy--baby.....  
Light--heaven.....  
Health--wealth.....  
Bible--love.....  
Memory--remembrance.....  
Sheep--goat.....  
Bath--water.....  
Cottage--house.....  
Swift--slow.....  
Blue--green.....  
Hungry--I.....  
Priest--minister.....  
Ocean--sea.....  
Head--neck.....  
Stove--electricity.....17  
Long--broad.....  
Religion--Presbyterian..  
Whiskey--medicinal..... 2  
Child--boy.....  
Bitter--sweet.....

Hammer--saw.....  
Thirsty--water.....  
City--Middletown.....17  
Square--Madison.....  
Butter--bread.....  
Doctor--love.....15  
Loud--soft.....  
Thief--burglar.....  
Lion--animal.....  
Joy--ecstasy.....  
Bed--couch.....  
Heavy--lead.....  
Tobacco--smoke.....  
Baby--boy.....  
Moon--stars.....  
Scissors--cotton.....17  
Quiet--noisy.....  
Green--yellow.....  
Salt--pepper.....  
Street--Dean.....17  
King--God.....17  
Cheese--Roquefort.....  
Blossom--apple.....  
Afraid--never.....

CASE No. 6367.--J.N. Depressive attack. Only two individual reactions, both classed as normal; undue tendency to give non-specific reactions.

Table--cup.....17  
Dark--light.....  
Music--song.....  
Sickness--pain.....  
Man--child.....  
Deep--high.....  
Soft--hard.....  
Eating--tasting.....  
Mountain--valley.....  
House--room.....  
Black--white.....  
Mutton--lamb.....  
Comfort--peace.....  
Hand--foot.....  
Short--long.....  
Fruit--apple.....  
Butterfly--moth.....  
Smooth--rough.....  
Command--obey.....  
Chair--table.....  
Sweet--sour.....  
Whistle--song.....  
Woman--love.....

Cold--warm.....  
Slow--fast.....  
Wish--well.....  
River--water.....  
White--black.....  
Beautiful--grand.....  
Window--glass.....  
Rough--smooth.....  
Citizen--man..... 1  
Foot--hand.....  
Spider--fly.....  
Needle--thread.....  
Red--blue.....  
Sleep--rest.....  
Anger--passion.....  
Carpet--rug.....  
Girl--child.....  
High--low.....  
Working--labor.....  
Sour--sweet.....  
Earth--ground.....  
Trouble--overcome.....17  
Soldier--brave.....  
Cabbage--lettuce.....  
Hard--soft.....  
Eagle--bird.....  
Stomach--heart.....  
Stem--tree.....  
Lamp--light.....  
Dream--sleep.....  
Yellow--red.....  
Bread--roll.....  
Justice--peace.....  
Boy--child.....  
Light--sun.....  
Health--wealth.....  
Bible--good..... 1  
Memory--good..... 1  
Sheep--lamb.....  
Bath--water.....  
Cottage--house.....  
Swift--fast.....  
Blue--white.....  
Hungry--eat.....  
Priest--man..... 1  
Ocean--water.....  
Head--arm.....  
Stove--warm.....  
Long--short.....  
Religion--good..... 1  
Whiskey--none.....  
Child--good..... 1  
Bitter--sour.....

Hammer--noise.....  
 Thirsty--water.....  
 City--country.....  
 Square--round.....  
 Butter--salt.....  
 Doctor--good..... 1  
 Loud--noise.....  
 Thief--man..... 1  
 Lion--beast.....  
 Joy--good..... 1  
 Bed--good..... 1  
 Heavy--weight.....  
 Tobacco--smoke.....  
 Baby--child.....  
 Moon--sun.....  
 Scissors--knife.....  
 Quiet--rest.....  
 Green--red.....  
 Salt--water.....  
 Street--city.....  
 King--man..... 1  
 Cheese--butter.....  
 Blossom--flower.....  
 Afraid--fear.....

CASE No. 5162.--W.H. Recurrent attacks, mixed in character; at time of test patient was in a normal interval. 5 individual reactions, of which 1 is classed as normal, 1 as a derivative, 2 as non-specific, and 1 as a sound reaction; undue tendency to give non-specific (common) reactions.

Table--comfort.....  
 Dark--darknew..... 8  
 Music--pleasure..... 1  
 Sickness--sorrow.....  
 Map--manners.....10  
 Deep--thought..... 1  
 Soft--comfort.....  
 Eating--pleasure..... 1  
 Mountain--height.....  
 House--comfort.....  
 Black--darkness.....  
 Mutton--eating.....  
 Comfort--pleasure..... 1  
 Hand--useful..... 1  
 Short--stumpy.....  
 Fruit--eating.....  
 Butterfly--handsome...  
 Smooth--plane.....  
 Command--ordering.....  
 Chair--easy.....  
 Sweet--candy.....

Whistle--noise.....  
Woman--love.....  
Cold--freezing.....  
Slow--laziness.....  
Wish--good..... 1  
River--water.....  
White--clearness..... 2  
Beautiful--handsome...  
Window--scene.....  
Rough--harshness.....  
Citizen--voting.....  
Foot--stepping.....  
Spider--poison.....  
Needle--sharpness.....  
Red--blood.....  
Sleep--comfort.....  
Anger--passion.....  
Carpet--walking.....  
Girl--lovely.....  
High--height.....  
Working--business.....  
Sour--tart.....  
Earth--planting.....  
Trouble--Sorrow.....  
Soldier--fighting.....  
Cabbage--eating.....  
Hard--harshness..... 2  
Eagle--flying.....  
Stomach--eating.....  
Stem--vine.....  
Lamp--lighting..... 2  
Dream--pleasure..... 1  
Yellow--color.....  
Bread--eating.....  
Justice--suing.....17  
Boy--children.....  
Light--seeing.....  
Health--pleasure..... 1  
Bible--thinking..... 9  
Memory--recollections.  
Sheep--wool.....  
Bath--pleasure..... 1  
Cottage--living.....  
Swift--quickness.....  
Blue--sky.....  
  
Hungry--pleasure..... 9  
Priest--holiness.....  
Ocean--sailing.....  
Head--thinking..... 1  
Stove--warmth.....  
Long--length.....  
Religion--holiness....



Whiskey--badness..... 2  
Child--pleasure..... 1  
Bitter--sourness.....  
Hammer--pounding.....  
Thirsty--drinking.....  
City--town.....  
Square--measure.....  
Butter--greasy.....  
Doctor--medicine.....  
Loud--hearing..... 2  
Thief--stealing.....  
Lion--fierceness.....  
Joy--pleasure..... 1  
Bed--sleeping.....  
Heavy--solid.....  
Tobacco--pleasure..... 1  
Baby--loveliness.....  
Moon--bright.....  
Scissors--sharpness....  
Quiet--pleasure..... 1  
Green--color.....  
Salt--taste.....  
Street--walking.....  
King--majestic.....  
Cheese--eating.....  
Blossom--handsome.....  
Afraid--fear.....

CASE No. 6279.--A.F. Maniacal attack; at time of test patient had improved, though not recovered. Non-specific reactions; particles. (Patient does not speak English with perfect fluency.)

Table--board.....  
Dark--night.....  
Music--piano.....  
Sickness--appendicitis  
Man--husband.....  
Deep--hole.....  
Soft--hard.....  
Eating--vegetable.....  
Mountain--country.....  
House--comfort.....  
Black--cotton.....17  
Mutton--lamb.....  
Comfort--rest.....  
Hand--arm.....  
Short--Journey.....  
Fruit--apples.....  
Butterfly--love.....13  
Smooth--nice..... 1  
Command--order.....  
Chair--down.....12

Sweet--sugar.....  
Whistle--blow.....  
Woman--good..... 1  
Cold--ice.....  
Slow--lazy.....  
Wish--home.....  
River--boat.....  
White--milk.....  
Beautiful--flowers....  
Window--corner.....  
Rough--man..... 1  
Citizen--not.....12  
Foot--short.....  
Spider--don't.....12  
Needle--steel.....  
Red--rose.....  
Sleep--well.....  
Anger--not.....  
Carpet--beauty..... 1  
Girl--love.....  
High--reason.....19  
Working--dress.....19  
Sour--vinegar.....  
Earth--ground.....  
Trouble--much.....  
Soldier--blue.....  
Cabbage--sour.....  
Hard--no.....12  
Eagle--paper.....  
Stomach--well.....17  
Stem--flower.....  
Lamp--light.....  
Dream--awful.....19  
Yellow--flower.....  
Bread--rye.....  
Justice--court.....  
Boy--little.....  
Light--room.....  
Health--love.....15  
Bible--no.....  
Memory--good..... 1  
Sheep--lot.....19  
Bath--cold.....  
Cottage--little.....  
swift--kick.....17  
Blue--no.....12  
Hungry--no.....  
Priest--love.....15  
Ocean--Grove.....  
Head--black.....  
Stove--shine.....19  
Long--square.....  
Religion--no.....

Whiskey--champagne....17  
 Child--my..... 2  
 Bitter--pepper.....  
 Hammer--knock.....  
 Thirsty--no.....12  
 City--New York.....  
 Square--table.....  
 Butter--good..... 1  
 Doctor--S.....17  
 Loud--talk.....  
 Thief--night.....  
 Lion--yes.....12  
 Joy--good..... 1  
 Bed--comfort.....  
 Heavy--Iron.....  
 Tobacco--strong.....  
 Baby--love.....  
 Moon--shine.....  
 Scissors--cut.....  
 Quiet--well.....  
 Green--bow.....17  
 Salt--hitter.....  
 Street--Hinsdale.....17  
 King--Franz Joseph....17  
 Cheese--Swiss.....  
 Blossom--nice..... 1  
 Afraid--no.....

CASE No. 4578.--E.M. Circular insanity of over twenty years' standing;  
 at time of test patient was in a manic phase. Non-specific reactions;  
 doubtful reactions; neologisms, all possessing obvious meaning.

Table--using..... 1  
 Dark--unbright..... 4  
 Music--songs.....  
 Sickness--catching....17  
 Man--masculine.....  
 Deep--high.....  
 Soft--chew.....19  
 Eating--sometimes....12  
 Mountain--highlands...  
 House--live.....  
 Black--color.....  
 Mutton--meat.....  
 Comfort--easy.....  
 Hand--body.....  
 Short--unlongly..... 4  
 Fruit--plants.....  
 Butterfly--insects....  
 Smooth--feeling.....  
 Command--do.....  
 Chair--use..... 1

Sweet--taste.....  
Whistle--act.....  
Woman--female.....  
Cold--acting..... 2  
Slow--gradually.....17  
Wish--desire.....  
River--water.....  
White--color.....  
Beautiful--niceness... 2  
Window--built.....19  
Rough--treatment.....17  
Citizen--country.....  
Foot--body.....  
Spider--insect.....  
Needle--article..... 1  
Red--color.....  
Sleep--tiredness..... 4  
Anger--scolding.....  
Carpet--article..... 1  
Girl--female.....  
High--low.....  
Working--do.....  
Sour--tasting.....  
Earth--surface.....  
Trouble--worriment....  
Soldier--man..... 1  
Cabbage--vegetable....  
Hard--difficult.....  
Eagle--bird.....  
Stomach--body.....  
Stem--article..... 6  
Lamp--article..... 1  
Dream--untruly..... 4  
Yellow--color.....  
Bread--food.....  
Justice--unfairly.... 2  
Boy--masculine.....  
Light--easy.....  
Health--sickness.....  
Bible--commandments...  
Memory--remember.....  
Sheep--animal.....  
Bath--cleanness.....  
Cottage--country.....  
Swift--quickly.....  
Blue--color.....  
Hungry--food.....  
Priest--masculine.... 15  
Ocean--water.....  
Head--body.....  
Stove--article..... 1  
Long--shortly..... 2  
Religion--Bible.....

Whiskey--drinking.....  
 Child--disremembering. 4  
 Bitter--taste.....  
 Hammer--using..... 1  
 Thirsty--drinking.....  
 City--acting.....15  
 Square--measuring..... 2  
 Butter--food.....  
 Doctor--helping..... 2  
 Loud--hearing..... 2  
 Thief--untrue.....15  
 Lion--animal.....  
 Joy--gladness.....  
 Bed--lying.....  
 Heavy--unlightly..... 4  
 Tobacco--using..... 1  
 Baby--borning..... 4  
 Moon--sending.....19  
 Scissors--using..... 1  
 Quiet--acting..... 2  
 Green--color.....  
 Salt--food.....  
 Street--walking.....  
 King--person..... 1  
 Cheese--food.....  
 Blossom--plant.....  
 Afraid--frightened....

CASE No. 5878.--A.B. Maniacal attack. 48 individual reactions, of which 18 are classed as normal, 10 are sound reactions (2 sound neologisms), 1 word complement, 8 particles, and 11 unclassified reactions most of which are either obviously normal or "far fetched" but not strictly incoherent.

Table--mahogany.....  
 Dark--green.....  
 Music--masonic.....10  
 Sickness--seasickness.10  
 Man--maternity.....10  
 Deep--well.....  
 Soft--silk.....  
 Eating--cleanliness...19  
 Mountain--Gibraltar...17  
 House--bungalow.....  
 Black--light.....  
 Mutton--lamb.....  
 Comfort--linen.....17  
 Hand--left.....17  
 Short--shorthand.....10  
 Fruit--pears.....  
 Butterfly--canary.....17  
 Smooth--linen.....17

Command--pilot.....17  
Chair--round.....  
Sweet--sugar.....  
Whistle--mother.....19  
Woman--twenty-one.....12  
Cold--ice.....  
Slow--music.....  
Wish--girl.....  
River--Hudson.....  
White--plaster.....17  
Beautiful--nature.....  
Window--St. Patrick's.17  
Rough--blankets.....19  
Citizen--twenty-one...12  
Foot--six.....12  
Spider--fly.....  
Needle--tailor.....  
Red--Herald.....19  
Sleep--seven.....12  
Anger--Angoria..... 3  
Carpet--green.....  
Girl--eighteen.....12  
High--school.....11  
Working--ten.....12  
Sour--kraut.....  
Earth--round.....  
Trouble--son.....19  
Soldier--navy.....  
Cabbage--curly.....19  
Hard--stone.....  
Eagle--almanac.....17  
Stomach--stomjack..... 3  
Stem--maple.....17  
Lamp--New.....York....19  
Dream--husband.....19  
Yellow--cards.....17  
Bread--rye.....  
Justice--liberty.....  
Boy--Joe.....  
Light--white.....  
Health--death.....10  
Bible--holy.....  
Memory--seven.....12  
Sheep--lamb.....  
Bath--cleanliness.....  
Cottage--gray.....17  
Swift--ball.....  
Blue--balloon.....10  
Hungry--yes.....12  
Priest--doctor.....  
Ocean--Niagara.....17  
Head--rest.....  
Stove--stationary.....10

Long--poems.....19  
 Religion--Catholic....  
 Whiskey--Hunter.....  
 Child--Jesus.....17  
 Bitter--gall.....  
 Hammer--steel.....  
 Thirsty--water.....  
 City--New York.....  
 Square--Union.....  
 Butter--sweet.....  
 Doctor--S.....17  
 Loud--discreet.....19  
 Thief--night.....  
 Lion--Bostock..... 2  
 Joy--Joy Line.....10  
 Bed--Ostermoor.....17  
 Heavy--iron.....  
 Tobacco--Durham.....  
 Baby--Rose.....17  
 Moon--half.....  
 Scissors--steel.....  
 Quiet--nursing.....19  
 Green--grass.....  
 Salt--rock.....  
 Street--Liberty.....17  
 King--Alphonso.....  
 Cheese--Swiss.....  
 Blossom--apple.....  
 Afraid--dark.....

CASE No. 6511.--U.B. Maniacal attack. Persistent use of particles  
 \_oh, me, I, none,\_ etc.

Table--none..... 6  
 Dark--red.....  
 Music--stock.....19  
 Sickness--rose.....19  
 Man--Frank.....17  
 Deep--blue.....  
 Soft--pillow.....  
 Eating--no.....12  
 Mountain--oyster.....11  
 House--mercy.....19  
 Black--mother.....19  
 Mutton--me..... 6  
 Comfort--home.....  
 Hand--mother.....15  
 Short--me..... 6  
 Fruit--me..... 5  
 Butterfly--it.....12  
 Smooth--oh.....12  
 Command--none..... 6

Chair--none..... 5  
Sweet--for.....12  
Whistle--bird.....  
Woman--I..... 6  
Cold--I..... 5  
Slow--me.....  
Wish--none..... 2  
River--are.....12  
White--wife.....10  
Beautiful--Alma.....17  
Window--Stephen.....19  
Rough--Rudolphia.....10  
Citizen--father.....17  
Foot--Anthon.....19  
Spider--reverend.....19  
Needle--pine.....17

Red--brother.....19  
Sleep--Adam.....19  
Anger--I..... 6  
Carpet--home.....  
Girl--Agatha.....17  
High--niece.....13  
Working--I..... 6  
Sour--I..... 5  
Earth--I..... 5  
Trouble--I..... 5  
Soldier--father.....15  
Cabbage--hail.....19  
Hard--me.....12  
Eagle--I..... 6  
Stomach--I..... 5  
Stem--life.....  
Lamp--Lambert.....10  
Dream--I..... 6  
Yellow--I..... 5  
Bread--I..... 5  
Justice--I..... 5  
Boy--just.....13  
Light--picture.....19  
Health--cook.....19  
Bible--beads.....17  
Memory--Dick.....19  
Sheep--to.....12  
Bath--none.....  
Cottage--home.....  
Swift--lazy.....  
Blue--Nell.....19  
Hungry--I.....  
Priest--I..... 5  
Ocean--I..... 5  
Head--home..... 6  
Stove--home.....



Long--short.....  
 Religion--none.....  
 Whiskey--none.....  
 Child--Sylvester.....17  
 Bitter--I..... 6  
 Hammer--my.....12  
 Thirsty--no..... 6  
 City--no..... 5  
 Square--Ben.....19  
 Butter--I..... 6  
 Doctor--I..... 5  
 Loud--bell.....  
 Thief--iron.....19  
 Lion--I..... 6  
 Joy--I..... 5  
 Bed--I..... 5  
 Heavy--I..... 5  
 Tobacco--I..... 5  
 Baby--I..... 5  
 Moon--will.....12  
 Scissors--beads.....15  
 Quiet--nerves.....19  
 Green--I..... 6  
 Salt--I..... 5  
 Street--Peter.....17  
 King--I..... 6  
 Cheese--I..... 5  
 Blossom--I..... 5  
 Afraid--no.....

CASE No. 4427.--A.R. Maniacal attack. Unusual number of doubtful reactions; 46 individual reactions of which 9 are classed as normal; 29 are unclassified, some seemingly incoherent.

Table--Chicago.....19  
 Dark--Montreal.....18  
 Music--Mississippi....18  
 Sickness--flowers.....19  
 Man--ocean.....19  
 Deep--medicines.....19  
 Soft--accidental.....19  
 Eating--vaccination...19  
 Mountain--evergreens..17  
 House--caves.....19  
 Black--station.....19  
 Mutton--operations....19  
 Comfort--money.....  
 Hand--bandages.....10  
 Short--soldiers.....19  
 Fruit--dictionary....19  
 Butterfly--storehouse.19  
 Smooth--vegetables....18

Command--Bible.....  
Chair--histories..... 14  
Sweet--farewells..... 19  
Whistle--ammunition... 19  
Woman--foreign..... 19  
Cold--armory..... 19  
Slow--St. Petersburg.. 19  
Wish--wealth.....  
River--revenue..... 10  
White--purity.....  
Beautiful--colonial... 19  
Window--shutters.....  
Rough--planes..... 2  
Citizen--naturalization  
Foot--carriage..... 19  
Spider--remedies..... 19  
Needle--canoe..... 19  
Red--refreshments.... 10  
Sleep--restfulness.... 2  
Anger--usefulness.... 9  
Carpet--coach..... 19  
Girl--finery..... 19  
High--fortifications.. 19  
Working--materials.... 19  
Sour--pickles.....  
Earth--gravitation.... 2  
Trouble--graphophone.. 19  
Soldier--guns.....  
Cabbage--children.... 19  
Hard--inheritance.... 19  
Eagle--feathers.....  
Stomach--envelope.... 19  
Stem--roots.....  
Lamp--oil.....  
Dream--fairies..... 17  
Yellow--lemons..... 2  
Bread--jams..... 17  
Justice--repentance... 17  
Boy--clothes.....  
Light--lanterns..... 17  
Health--joys..... 2  
Bible--heaven.....  
Memory--head.....  
Sheep--pastures.....  
Bath--cleanliness....  
Cottage--home.....  
Swift--rapids..... 2  
Blue--truth.....  
Hungry--appetite.....  
Priest--saintliness... 17  
Ocean--ships.....  
Head--intelligence....  
Stove--woods..... 2

Long--trains..... 2  
 Religion--godliness... 2  
 Whiskey--drunkenness..  
 Child--joyfulness..... 2  
 Bitter--olives.....  
 Hammer--nuts.....  
 Thirsty--water.....  
 City--shopping.....  
 Square--monuments..... 2  
 Butter--crackers.....17  
 Doctor--medicines.....  
 Loud--music.....  
 Thief--detectives..... 2  
 Lion--cages..... 2  
 Joy--home.....  
 Bed--restfulness..... 2  
 Heavy--expressage.....17  
 Tobacco--cigars.....  
 Baby--carriage.....  
 Moon--light.....  
 Scissors--goods.....  
 Quiet--peacefulness...  
 Green--vegetables.....  
 Salt--water.....  
 Street--stones.....  
 King--crown.....  
 Cheese--knife.....  
 Blossom--plants..... 2  
 Afraid--enemies.....17

CASE No. 6457.--C.G. Depressive attack. 36 individual reactions of  
 which 9 are classed as normal and 20 as unclassified; among the latter  
 several seem to be incoherent

Table--fish.....17  
 Dark--boat.....  
 Music--water.....18  
 Sickness--tank.....18  
 Man--horse.....  
 Deep--ocean.....  
 Soft--egg.....  
 Eating--beans.....17  
 Mountain--grass.....  
 House--roof.....  
 Black--bath.....10  
 Mutton--butcher.....  
 Comfort--cigar.....17  
 Hand--shoes.....19  
 Short--baseball.....19  
 Fruit--orange.....  
 Butterfly--elephant...19  
 Smooth--glass.....

Command--general.....  
Chair--kitchen.....17  
Sweet--cake.....17  
Whistle--bird.....  
Woman--door.....19  
Cold--ice.....  
Slow--cat.....19  
Wish--bed.....19  
River--trout.....17  
White--paint.....  
Beautiful--monkey.....19  
Window--bars.....  
Rough--rowdy.....  
Citizen--policeman....  
Foot--fine..... 9  
Spider--insect.....  
Needle--sewing.....  
Red--man..... 9  
Sleep--pond.....19  
Anger--hatred.....  
Carpet--tacks.....  
Girl--floor.....13  
High--mountain.....  
Working--dog.....19  
Sour--milk.....  
Earth--mud.....  
Trouble--radiator.....19  
Soldier--cannon.....  
Cabbage--vegetable....  
Hard--wood.....  
Eagle--quick.....19  
Stomach--flesh.....  
Stem--pipe.....  
Lamp--burn.....  
Dream--thinking..... 1  
Yellow--mice.....19  
Bread--baker.....  
Justice--equality....  
Boy--young.....  
Light--green.....17  
Health--art.....19  
Bible--preacher.....  
Memory--return.....19  
Sheep--fold.....  
Bath--water.....  
Cottage--house.....  
Swift--fleeting..... 2  
Blue--dark.....  
Hungry--thirst.....  
Priest--elephant.....15  
Ocean--briny.....19  
Head--hard.....  
Stove--black.....

Long--grass.....  
 Religion--thinking.... 1  
 Whiskey--Kentucky.....  
 Child--carriage.....  
 Bitter--pickles.....  
 Hammer--nails.....  
 Thirsty--wanting.....  
 City--New York.....  
 Square--base.....17  
 Butter--cow.....  
 Doctor--carriage.....  
 Loud--hall.....19  
 Thief--prison.....  
 Lion--cage.....  
 Joy--automobile.....  
 Bed--iron.....  
 Heavy--lead.....  
 Tobacco--weed.....  
 Baby--rocker.....  
 Moon--sky.....  
 Scissors--laundry.....19  
 Quiet--peaceful.....  
 Green--engine.....19  
 Salt--grocer.....19  
 Street--Lincoln.....17  
 King--Spain.....  
 Cheese--baker.....19  
 Blossom--flower.....  
 Afraid--going..... 2

INVOLUTIONAL MELANCHOLIA; ALCOHOLIC DEMENTIA; SENILE DEMENTIA.

There are so few cases of these psychoses in our series that we can say but little concerning their associational disorders.

In Table V. we show all the types of reactions given by each subject.

We have not observed in our cases of \_involutional melancholia\_ any undue tendency to give individual reactions. The records are either perfectly normal or slightly abnormal in that they show an increase of the non-specific (common) reactions. In this respect they resemble strongly the records obtained from some cases of manic-depressive insanity. This similarity is of interest in connection with other evidence, recently brought to light, [1] showing that involutional melancholia is closely related to manic-depressive insanity, if not identical with it.

[Footnote 1: G. L. Dreyfus. Die Melancholic ein Zustandsbild des manisch-depressiven Irreseins. 1907.]

TABLE V.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Involuntal																					
Alcoholic																					
Senile																					
Melancholia																					
Dementia																					
Dementia																					
Case No.--	2	8	7	4	3	0	8	6	2	3	9	4	0	4	4	8	5	7			
TYPES OF REACTION	0	1	1	8	6	7	1	3	9	6	6	0	1	7	3	3	8				
	7	8	9	0	8	7	2	5	8	9	7	9	9	8	1	7	3	8			
_Common reactions:_																					
Specific reactions.....	86	92	79	92	83	86	83	78	90	79	75	77	80	46	72	71	82	77			
Non-specific reactions.....	13	2	12	1	9	4	6	6	3	11	10	8	3	8	16	8	..	3			
_Doubtful reactions_.....	1	2	4	1	1	2	2	3	1	2	5	3	3	7	..	6	..	..			
_Individual reactions:_																					
Normal reactions.....	..	2	1	4	..	3	1	6	5	4	3	4	3	14	2	4	8	3			
Derivatives of stimulus words.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..
Non-specific Reactions.....	..	..	..	..	..	1	..	..	..	..	..	..	..	1	2	..	..	..			
Sound reactions (words).....	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..			
Sound reactions (neologisms).....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..			
Word complements.....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..			
Particles of speech.....	..	..	..	..	1	1	..	..	..	..	5	1	2	..	1						
Association to preceding stimulus..	..	..	..	..	1	..	1	..	..	2	..	..	..	1	..	..	..				
Association to preceding reaction..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3			
Repetition of preceding stimulus..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1			
Repetition of previous stimulus...	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..				
Repetition of preceding reaction..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	2			
Repetition of previous reaction...	..	..	..	1	..	1	..	1	..	..	2	1	2	3	1	2					
Reaction repeated five times.....	..	..	..	4	..	..	..	2	2	4	..	4	..	..	3						
Neologisms without sound relation..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..				
Unclassified.....	..	2	4	..	1	3	1	6	..	2	3	4	8	14	6	2	8	5			
Total individual reactions	0	4	5	6	7	8	9	13	6	8	10	12	14	39	12	15	18	20			

CASE No. 4818.--S.M. Normal record.

- Table--wood.....
- Dark--black.....
- Music--noise.....
- Sickness--illness.....
- Man--being.....
- Deep--depth.....
- Soft--mushy.....
- Eating--devouring.....
- Mountain--hill.....
- House--residence.....
- Black--color.....
- Mutton--meat.....
- Comfort--luxury.....
- Hand--body.....

Short--abrupt.....19  
Fruit--oranges.....  
Butterfly--insect.....  
Smooth--even.....  
Command--order.....  
Chair--article..... 1  
Sweet--taste.....  
Whistle--noise.....  
Woman--sex.....  
Cold--temperature.....  
Slow--dull.....  
Wish--desire.....  
River--water.....  
White--color.....  
Beautiful--sky.....  
Window--glass.....  
Rough--uneven.....  
Citizen--representative.17  
Foot--end.....19  
Spider--insect.....  
Needle--instrument.....  
Red--color.....  
Sleep--repose.....  
Anger--temper.....  
Carpet--rug.....  
Girl--sex.....  
High--elevation.....  
Working--employment.....  
Sour--bitter.....  
Earth--clay.....  
Trouble--anxiety.....  
Soldier--military.....  
Cabbage--vegetable.....  
Hard--substance.....  
Eagle--bird.....  
Stomach--body.....  
Stem--flower.....  
Lamp--light.....  
Dream--imagination.....  
Yellow--color.....  
Bread--wheat.....  
Justice--credit.....17  
Boy--child.....  
Light--sun.....  
Health--condition.....  
Bible--book.....  
Memory--remembrance.....  
Sheep--lamb.....  
Bath--bathing.....  
Cottage--house.....  
Swift--rapid.....  
Blue--color.....  
Hungry--desire.....

Priest--minister.....  
Ocean--water.....  
Head--body.....  
Stove--fire.....  
Long--distance.....  
Religion--creed.....  
Whiskey--liquor.....  
Child--infant.....  
Bitter--sour.....  
Hammer--tool.....  
Thirsty--dry.....  
City--town.....  
Square--block.....  
Butter--food.....  
Doctor--physician.....  
Loud--noisy.....  
Thief--burglar.....  
Lion--animal.....  
Joy--happiness..... 1  
Bed--cot.....  
Heavy--weight.....  
Tobacco--weed.....  
Baby--infant.....  
Moon--light.....  
Scissors--instrument....  
Quiet--noiseless.....  
Green--color.....  
Salt--seasoning.....  
Street--block.....  
King--ruler.....  
Cheese--food.....  
Blossom--flower.....  
Afraid--fear.....

CASE No. 6207.--T.S. No individual reactions; 13 non-specific reactions.

Table--furniture.....  
Dark--color.....  
Music--fiddle.....  
Sickness--bed.....  
Man--person..... 1  
Deep--water.....  
Soft--pliable.....  
Eating--cake.....  
Mountain--high.....  
House--bricks.....  
Black--color.....  
Mutton--meat.....  
Comfort--easy.....  
Hand--limb.....  
Short--small..... 1



Fruit--vegetable.....  
Butterfly--insect.....  
Smooth--level.....  
Command--control.....  
Chair--sit.....  
Sweet--nice..... 1  
Whistle--noise.....  
Woman--person..... 1  
Cold--atmosphere.....  
Slow--easy.....  
Wish--something.....  
River--stream.....  
White--color.....  
Beautiful--nice..... 1  
Window--glass.....  
Rough--unpleasant..... 1  
Citizen--person..... 1  
Foot--limb.....  
Spider--insect.....  
Needle--instrument....  
Red--color.....  
Sleep--bed.....  
Anger--irritable.....  
Carpet--rug.....  
Girl--person..... 1  
High--elevation.....  
Working--try..... 2  
Sour--bitter.....  
Earth--sand.....  
Trouble--anxiety.....  
Soldier--person..... 1  
Cabbage--plant.....  
Hard--stone.....  
Eagle--bird.....  
Stomach--person..... 1  
Stem--apple.....  
Lamp--light.....  
Dream--sleep.....  
Yellow--color.....  
Bread--flour.....  
Justice--Equal.....  
Boy--child.....  
Light--gas.....  
Health--doctor.....  
Bible--Scripture.....  
Memory--thought..... 1  
Sheep--animal.....  
Bath--water.....  
Cottage--house.....  
Swift--quick.....  
Blue--color.....  
Hungry--want.....  
Priest--preach.....

Ocean--water.....  
Head--person..... 1  
Stove--heat.....  
Long--length.....  
Religion--belief.....  
Whiskey--drink.....  
Child--person..... 1  
Bitter--sour.....  
Hammer--tool.....  
Thirsty--dry.....  
City--place.....  
Square--shape.....  
Butter--eat.....  
Doctor--physician.....  
Loud--hear.....  
Thief--steal.....  
Lion--animal.....  
Joy--glad.....  
Bed--sleep.....  
Heavy--weight.....  
Tobacco--plant.....  
Baby--child.....  
Moon--light.....  
Scissors--tool.....  
Quiet--rest.....  
Green--color.....  
Salt--spice.....  
Street--place.....  
King--ruler.....  
Cheese--eat.....  
Blossom--flower.....  
Afraid--hide.....

CASE No. 5719.--A.W.S. 5 individual reactions; 12 non-specific reactions.

Table--stand.....  
Dark--color.....  
Music--happy..... 1  
Sickness--ill.....  
Man--human.....  
Deep--thought..... 1  
Soft--touch.....  
Eating--appetite.....  
Mountain--ground.....  
House--shelter.....  
Black--color.....  
Mutton--lamb.....  
Comfort--warm.....  
Hand--touch.....  
Short--small..... 1  
Fruit--taste.....

Butterfly--beauty..... 1  
Smooth--level.....  
Command--obey.....  
Chair--rest.....  
Sweet--good.....  
Whistle--noise.....  
Woman--female.....  
Cold--chilled..... 2  
Slow--move.....  
Wish--think..... 1  
River--water.....  
White--color.....  
Beautiful--nice..... 1  
Window--glass.....  
Rough--push.....  
Citizen--man..... 1  
Foot--body.....  
Spider--insect.....  
Needle--pointed.....  
Red--blood.....  
Sleep--rest.....  
Anger--riled.....  
Carpet--covering.....  
Girl--child.....  
High--air.....  
Working--ambitious....  
Sour--taste.....  
Earth--ground.....  
Trouble--thought..... 1  
Soldier--command.....  
Cabbage--vegetable....  
Hard--blow.....17  
Eagle--bird.....  
Stomach--body.....  
Stem--pipe.....  
Lamp--light.....  
Dream--thought..... 1  
Yellow--purple.....  
Bread--food.....  
Justice--law.....  
Boy--male.....  
Light--lamp.....  
Health--soul.....19  
Bible--Scriptures....  
Memory--thought..... 1  
Sheep--lamb.....  
Bath--cleanness.....  
Cottage--house.....  
Swift--quick.....  
Blue--color.....  
Hungry--appetite.....  
Priest--scholar..... 2  
Ocean--water.....

Head--brains.....  
Stove--heat.....  
Long--measurement..... 2  
Religion--good..... 1  
Whiskey--alcohol.....  
Child--baby.....  
Bitter--taste.....  
Hammer--knock.....  
Thirsty--water.....  
City--New York.....  
Square--box.....  
Butter--milk.....  
Doctor--help.....  
Loud--noise.....  
Thief--burglar.....  
Lion--animal.....  
Joy--well.....19  
Bed--rest.....  
Heavy--load.....  
Tobacco--nicotine.....  
Baby--joy.....  
Moon--light.....  
Scissors--cutting.....  
Quiet--rest.....  
Green--color.....  
Salt--sand.....19  
Street--crossing..... 2  
King--ruler.....  
Cheese--luxury.....19  
Blossom--flower.....  
Afraid--fright.....

CASE No. 5635. J.D. 13 individual reactions, of which 6 are classed as normal, 1 particle, 6 unclassified, mostly obviously normal.

Table--eating.....  
Dark--night.....  
Music--amusement.....  
Sickness--distress....  
Man--working.....  
Deep--sorrow.....  
Soft--easy.....  
Eating--supper.....17  
Mountain--pleasure.... 1  
House--home.....  
Black--grief.....19  
Mutton--butchers..... 2  
Comfort--home.....  
Hand--shake.....  
Short--baseball.....19  
Fruit--eating.....  
Butterfly--field.....

Smooth--soft.....  
Command--oblige.....17  
Chair--seat.....  
Sweet--flowers.....  
Whistle--fire.....  
Woman--home.....  
Cold--winter.....  
Slow--easy.....  
Wish--home.....  
River--dock.....17  
Whiter--day.....  
Beautiful--handsome...  
Window--glass.....  
Rough--wagon.....19  
Citizen--voter.....  
Foot--walking.....  
Spider--web.....  
Needle--sticking.....19  
Red--danger.....  
Sleep--rest.....  
Anger--right.....19  
Carpet--house.....  
Girl--out.....12  
High--air.....  
Working--labor.....  
Sour--bitter.....  
Earth--ground.....  
Trouble--worry.....  
Soldier--man..... 1  
Cabbage--farmer..... 2  
Hard--bath.....19  
Eagle--birds.....  
Stomach--body.....  
Stem--pipe.....  
Lamp--burn.....  
Dream--thinking..... 1  
Yellow--color.....  
Bread--eating.....  
Justice--peace.....  
Boy--soldier.....17  
Light--day.....  
Health--happy..... 1  
Bible--books.....  
Memory--good..... 1  
Sheep--lamb.....  
Bath--washing.....  
Cottage--house.....  
Swift--quick.....  
Blue--color.....  
Hungry--eating.....  
Priest--church.....  
Ocean--bathing.....  
Head--mind.....

Stove--fire.....  
 Long--hours.....  
 Religion--church.....  
 Whiskey--drinking.....  
 Child--home.....  
 Bitter--sour.....  
 Hammer--working.....  
 Thirsty--dry.....  
 City--New York.....  
 Square--block.....  
 Butter--cow.....  
 Doctor--hospital.....  
 Loud--speaking..... 2  
 Thief--sentence.....17  
 Lion--animal.....  
 Joy--pleasure..... 1  
 Bed--sleeping.....  
 Heavy--weight.....  
 Tobacco--smoking.....  
 Baby--home.....  
 Moon--night.....  
 Scissors--cutting.....  
 Quiet--alone.....  
 Green--color.....  
 Salt--eating.....  
 Street--walking.....  
 King--William.....17  
 Cheese--milk.....  
 Blossom--flower.....  
 Afraid--fright.....

Our cases of \_alcoholic\_ dementia are clinically without evidences of disturbance of flow of thought. The dementia consists mainly in impairment or loss of the power of retention, with resulting amnesia for recent occurrences, and temporal disorientation. The records are either normal or show but slight departures from normal.

CASE No. 6369.--J.S. Slight deterioration.

Table--eat.....  
 Dark--night.....  
 Music--enjoyment.....  
 Sickness--sadness.....  
 Man--work..... 1  
 Deep--hole.....  
 Soft--feathers.....  
 Eating--appetite.....  
 Mountain--hill.....  
 House--live.....  
 Black--dark.....  
 Mutton--eat.....

Comfort--pleasant..... 1  
Hand--work..... 1  
Short--story.....  
Fruit--eat.....  
Butterfly--annoyance.. 6  
Smooth--iron.....  
Command--officer.....  
Chair--sit.....  
Sweet--nice..... 1  
Whistle--pleasure..... 1  
Woman--pleasure..... 1  
Cold--annoyance..... 6  
Slow--car.....  
Wish--like.....  
River--water.....  
White--sack.....17  
Beautiful--house.....17  
Window--look.....  
Rough--unpleasant..... 1  
Citizen--man..... 1  
Foot--walk.....  
Spider--annoyance.....  
Needle--sticking.....19  
Red--color.....  
Sleep--happy..... 1  
Anger--annoyance.....  
Carpet--walk.....  
Girl--school.....  
High--skies.....  
Working--labor.....  
Sour--lemon.....  
Earth--walk.....  
Trouble--annoyance....  
Soldier--army.....  
Cabbage--eat.....  
Hard--stone.....  
Eagle--fly.....  
Stomach--victuals.....17  
Stem--pipe.....  
Lamp--burn.....  
Dream--sleep.....  
Yellow--orange.....  
Bread--eat.....  
Justice--person..... 1  
Boy--school.....  
Light--see.....  
Health--comfort.....  
Bible--read.....  
Memory--recollection..  
Sheep--eat.....  
Bath--cleanness.....  
Cottage--live.....  
Swift--go.....

Blue--color.....  
Hungry--eat.....  
Priest--confession....  
Ocean--vessels..... 2  
Head--knowledge.....  
Stove--burn.....  
Long--time.....  
Religion--faith.....  
Whiskey--drink.....  
Child--infant.....  
Bitter--unkind.....17  
Hammer--nail.....  
Thirsty--dry.....  
City--inhabitants.....

Square--brick.....  
Butter--eat.....  
Doctor--cure.....  
Loud--noise.....  
Thief--steal.....  
Lion--animal.....  
Joy--happiness..... 1  
Bed--lay.....  
Heavy--feeling..... 2  
Tobacco--chew.....  
Baby--nurse.....  
Moon--bright.....  
Scissors--cut.....  
Quiet--ease.....  
Green--flower.....  
Salt--taste.....  
Street--walking.....  
King--control.....19  
Cheese--eat.....  
Blossom--flower.....  
Afraid--nervousness...

CASE No. 6418.--J.R. Marked deterioration.

Table--mahogany.....  
Dark--dawn.....17  
Music--harp.....17  
Sickness--none..... 6  
Man--white.....19  
Deep--unfathomable.... 2  
Soft--silken..... 2  
Eating--good..... 1  
Mountain--high.....  
House--place.....  
Black--color.....  
Mutton--cooked.....17



Comfort--rest.....  
Hand--clasp.....19  
Short--small..... 1  
Fruit--apples.....  
Butterfly--buttercups. 2  
Smooth--iron.....  
Command--home.....19  
Chair--ebony.....19  
Sweet--potatoes.....17  
Whistle--song.....  
Woman--pretty..... 1  
Cold--depressed.....19  
Slow--process.....17  
Wish--home.....  
River--Mississippi....  
White--wings.....17  
Beautiful--palace.....19  
Window--clear.....  
Rough--no.....12  
Citizen--patriot.....  
Foot--heath.....19  
Spider--none..... 5  
Needle--darning.....  
Red--apples.....  
Sleep--plenty.....  
Anger--mistake.....17  
Carpet--floor.....  
Girl--pretty..... 1  
High--ordinary.....19  
Working--eight.....12  
Sour--nonsense.....19  
Earth--fruits..... 2  
Trouble--little.....  
Soldier--patriot.....  
Cabbage--garden.....  
Hard--wood.....  
Eagle--high.....  
  
Stomach--leave.....19  
Stem--stalk.....  
Lamp--kerosene.....  
Dream--happy..... 1  
Yellow--aster.....17  
Bread--white.....  
Justice--right.....  
Boy--white.....15  
Light--white.....  
Health--good..... 1  
Bible--puzzled.....19  
Memory--bad..... 1  
Sheep--cheviot.....17  
Bath--marble.....17  
Cottage--story.....17

Swift--fast.....  
Blue--waist.....17  
Hungry--not..... 2  
Priest--confessor....  
Ocean--Pacific.....17  
Head--oval.....19  
Stove--polish.....  
Long--forever.....12  
Religion--Protestant..  
Whiskey--none.....  
Child--none..... 5  
Bitter--sweet.....  
Hammer--no.....12  
Thirsty--no..... 5  
City--New York.....  
Square--compass.....  
Butter--sweet.....  
Doctor--cure.....  
Loud--quietly..... 2  
Thief--jail.....  
Lion--brave,.....  
Joy--peacefulness..... 2  
Bed--good..... 1  
Heavy--no.....  
Tobacco--yes.....12  
Baby--none..... 6  
Moon--shines.....  
Scissors--uncut..... 2  
Quiet--peaceful.....  
Green--grass.....  
Salt--water.....  
Street--Queen.....17  
King--unknown.....19  
Cheese--Stilton.....17  
Blossom--cherry.....  
Afraid--not.....

We reproduce in full the record obtained from one of our cases of  
\_senile dementia.\_

CASE No. 5788.--E.S.

Table--cat..... 6  
Dark--night.....  
Music--cat..... 2  
Sickness--cat..... 6  
Man--mouse.....18  
Deep--well.....  
Soft--sack.....19  
Eating--well.....

Mountain--hill.....  
House--castle.....  
Black--dog.....  
Mutton--sheep.....  
Comfort--lamb.....13  
Hand--chicken.....18  
Short--light.....19  
Fruit--apple.....  
Butterfly--fly.....  
Smooth--iron.....  
Command--obey.....  
Chair--stool.....  
Sweet--sugar.....  
Whistle--lump.....18  
Woman--man.....1  
Cold--shiver.....  
Slow--cold.....7  
Wish--push.....19  
River--pond.....  
White--cat.....  
Beautiful--cat.....6  
Window--glass.....  
Rough--fight.....19  
Citizen--tough.....  
Foot--shoe.....  
Spider--clock.....19  
Needle--pin.....  
Red--white.....  
Sleep--eyes.....  
Anger--mad.....  
Carpet--cloth.....  
Girl--boy.....  
High--low.....  
Working--sewing.....  
Sour--sweet.....  
Earth--clay.....  
Trouble--child.....13  
Soldier--man.....1  
Cabbage--spinach.....  
Hard--cat.....6  
Eagle--bird.....  
Stomach--belly.....  
Stem--pike.....17  
Lamp--globe.....  
Dream--eyes.....  
Yellow--flower.....  
Bread--flour.....  
Justice--fight.....  
Boy--cat.....6  
Light--lamp.....  
Health--cough.....17  
Bible--book.....  
Memory--mind.....

Sheep--lamb.....  
 Bath--water.....  
 Cottage--house.....  
 Swift--quick.....  
 Blue--color.....  
 Hungry--eat.....  
 Priest--clergyman.....  
 Ocean--river.....  
 Head--life.....  
 Stove--fire.....  
 Long--short.....  
 Religion--Catholic....  
 Whiskey--drink.....  
 Child--boy.....  
 Bitter--sweet.....  
 Hammer--noise.....  
 Thirsty--drink.....  
 City--New York.....  
 Square--Marion.....17  
 Butter--cow.....  
 Doctor--W.....17  
 Loud--noise.....  
 Thief--steals.....  
 Lion--heart.....  
 Joy--happy..... 1  
 Bed--mattress.....  
 Heavy--lead.....  
 Tobacco--smoke.....  
 Baby--boy.....  
 Moon--shine.....  
 Scissors--cut.....  
 Quiet--noisy.....  
 Green--color.....  
 Salt--bitter.....  
 Street--place.....  
 King--rule.....  
 Cheese--taste.....  
 Blossom--flower.....  
 Afraid--trouble.....

## Sec.8. PATHOLOGICAL REACTIONS FROM NORMAL SUBJECTS.

Mental disorders do not always so manifest themselves as to incapacitate the subject for his work or to necessitate his sequestration in a hospital for the insane. It is, therefore, not surprising that in applying the association test to over a thousand subjects selected at random we have obtained a small number of test records which show various types of abnormal reactions. Among the subjects who furnished such records some are described as eccentric, taciturn, or dull, while others are apparently normal but come of neuropathic stock. A few of them are persons wholly unknown to us.

We reproduce in full from the normal series, containing abnormal reactions.

CONSECUTIVE No. 746.--State hospital attendant Efficient in his work but is generally regarded to have married very foolishly. Sound reactions; numerous unclassified reactions.

Table--brought.....	19
Dark--some.....	19
Music--leaf.....	19
Sickness--water.....	19
Man--book.....	19
Deep--desk.....	19
Soft--ground.....	
Eating--bark.....	19
Mountain--tree.....	
House--paper.....	19
Black--light.....	
Mutton--horse.....	13
Comfort--hat.....	19
Hand--sick.....	13
Short--swallow.....	19
Fruit--mass.....	19
Butterfly--leaf.....	15
Smooth--wing.....	13
Command--man.....	1
Chair--left.....	19
Sweet--sick.....	2
Whistle--whirl.....	10
Woman--where.....	12
Cold--coal.....	
Slow--some.....	15
Wish--whirl.....	15
River--rice.....	19
White--waist.....	
Beautiful--brought....	15
Window--women.....	10
Rough--row.....	19
Citizen--sir.....	10
Foot--fall.....	19
Spider--spice.....	10
Needle--knee.....	10
Red--roam.....	19
Sleep--sorrow.....	19
Anger--August.....	19
Carpet--covered.....	2
Girl--great.....	9
High--his.....	12
Working--map.....	19
Sour--slur.....	10
Earth--eat.....	19

Trouble--through.....12  
Soldier--solder.....10  
Cabbage--cart.....19  
Hard--him.....12  
Eagle--earth.....13  
Stomach--stall.....10  
Stem--stair.....10  
Lamp--left.....19  
Dream--dread.....  
Yellow--waist.....15  
Bread--book.....15  
Justice--gem.....19  
Boy--bird.....19  
Light--left.....10  
Health--heart.....17  
Bible--base.....19  
Memory--moth.....19  
Sheep--shrill.....19  
Bath--bend.....19  
  
Cottage--cart.....10  
Swift--swell.....10  
Blue--beard.....11  
Hungry--heart.....15  
Priest--path.....19  
Ocean--oar.....10  
Head--him.....12  
Stove--still.....10  
Long--left.....15  
Religion--rest.....19  
Whiskey--whirl.....15  
Child--charge.....19  
Bitter--bought.....10  
Hammer--hemp.....10  
Thirsty--Thursday.....10  
City--salt.....10  
Square--squirrel.....10  
Butter--bread.....  
Doctor--daisy.....19  
Loud--lark.....19  
Thief--twist.....19  
Lion--lesson.....10  
Joy--jar.....19  
Bed--beard.....10  
Heavy--health.....10  
Tobacco--toboggan.....10  
Baby--bird.....15  
Moon--mill.....19  
Scissors--setters.....10  
Quiet--quart.....10  
Green--great.....9  
Salt--sorrow.....10  
Street--stem.....10

King--cart.....15  
Cheese--chart.....19  
Blossom--bed.....19  
Afraid--frill.....10

CONSECUTIVE No. 220--Laundryman in State hospital. Nothing abnormal has ever been observed in his case. Numerous perseverations.

Table--house.....  
Dark--range.....19  
Music--eats.....  
Sickness--dog.....18  
Man--barn.....19  
Deep--hollow.....  
Soft--apple.....  
Eating--cranberry.....17  
Mountain--water.....17  
House--pig.....19  
Black--rats.....18  
Mutton--mice.....2  
Comfort--sheep.....13  
Hand--lamb.....14  
Short--birds.....19  
Fruit--peach.....  
Butterfly--pears.....18  
Smooth--grapes.....18  
Command--nut.....18  
Chair--bureau.....  
Sweet--broom.....19  
Whistle--violin.....19  
Woman--man.....1  
Cold--child.....10  
Slow--infant.....14  
Wish--night.....19  
River--dark.....14  
White--steamboat.....17  
Beautiful--tugboat....18  
Window--yacht.....18  
Rough--ferry.....18  
Citizen--water.....13  
Foot--egg.....19  
Spider--fly.....  
Needle--thread.....  
Red--spool.....18  
Sleep--machine.....18  
Anger--picture.....19  
Carpet--bed.....17  
Girl--bureau.....18  
High--oilcloth.....18  
Working--pen.....19  
Sour--ink.....18

Earth--paper.....18  
Trouble--chair.....19  
Soldier--table.....14  
Cabbage--beet.....  
Hard--cauliflower.....13  
Eagle--potatoes.....18  
Stomach--beans.....17  
Stem--plum.....17  
Lamp--wick.....  
Dream--oil.....13  
Yellow--stick.....19  
Bread--stone.....18  
Justice--dirt.....18  
Boy--street.....  
Light--match.....  
Health--sickness.....  
Bible--book.....  
Memory--leaf.....13  
Sheep--wool.....  
Bath--water.....  
Cottage--people..... 1  
Swift--fast.....  
Blue--residence.....19  
Hungry--beef.....17  
Priest--clergyman.....  
Ocean--rice.....19  
Head--eyes.....  
Stove--nose.....18  
Long--mouth.....18  
Religion--legs.....18  
Whiskey--arms.....18  
Child--elbows.....18  
Bitter--day.....19  
Hammer--nails.....  
Thirsty--saw.....13  
City--plane.....18  
Square--chisel.....18  
Butter--file.....18  
Doctor--duck.....10  
Loud--goose.....18  
Thief--robber.....  
Lion--tiger.....  
Joy--bear.....13  
Bed--leopard.....18  
Heavy--tiger.....15  
Tobacco--smoke.....  
Baby--pipe.....13  
Moon--star.....  
Scissors--sharp.....  
Quiet--noisy.....  
Green--blue.....  
Salt--yellow.....13  
Street--green.....14



King--purple.....14  
Cheese--axe.....19  
Blossom--handle.....19  
Afraid--barn.....19

CONSECUTIVE No. 255.--State hospital attendant. Efficient, but unusually taciturn and seclusive. Sound reactions.

Table--linen.....  
Dark--sunshine.....17  
Music--song.....  
Sickness--Saturday....19  
Man--manager.....10  
Deep--dark.....  
Soft--sorrowful.....10  
Eating--eighty.....10  
Mountain--miner.....19  
House--heart.....19  
Black--blue.....  
Mutton--mountain.....10  
Comfort--company.....17  
Hand--happy.....10  
Short--slow.....17  
Fruit--froth.....10  
Butterfly--butter....10  
Smooth--smoke.....10  
Command--company.....  
Chair--chap.....10  
Sweet--slow.....15  
Whistle--whip.....10  
Woman--worried.....19  
Cold--cow.....10  
Slow--slap.....10  
Wish--water.....  
River--rubbed.....19  
White--wash.....  
Beautiful--bounty....10  
Window--light.....  
Rough--roguish.....19  
Citizen--sight-seeing.19  
Foot--fool.....10  
Spider--span.....10  
Needle--work.....1  
Red--robe.....19  
Sleep--soap.....10  
Anger--angel.....19  
Carpet--carriage.....19  
Girl--guide.....19  
High--heart.....10  
Working--worthy.....10  
Sour--satchel.....19

Earth--early.....10  
Trouble--trout.....19  
Soldier--socket.....19  
Cabbage--currant.....17  
Hard--harmful.....10  
Eagle--early.....15  
Stomach--stable.....19  
Stem--stand.....10  
Lamp--light.....  
Dream--drunk.....10  
Yellow--lustre.....19  
Bread--brand.....10  
Justice--judgment.....  
Boy--butter.....15  
Light--love.....19  
Health--help.....10  
Bible--book.....  
Memory--mental.....  
Sheep--shop.....10  
Bath--bandage.....10  
Cottage--cot.....10  
Swift--swan.....10  
Blue--black.....10  
Hungry--height.....19  
Priest--house.....  
Ocean--apple.....19  
Head--heart.....  
Stove--strap.....10  
Long--love.....15  
Religion--belief.....  
Whiskey--whisk broom..10  
Child--chap.....10  
Bitter--butter.....10  
Hammer--habit.....19  
Thirsty--thirty.....10  
City--soap.....15  
Square--squirrel.....10  
Butter--bank.....19  
Doctor--dentist.....  
Loud--laugh.....  
Thief--thump.....19  
Lion--lump.....19  
Joy--jump.....19  
Bed--bank.....15  
Heavy--happy.....10  
Tobacco--tub.....19  
Baby--bundle.....  
Moon--mantle.....10  
Scissors--Saturday....15  
Quiet--quarter.....10  
Green--drought.....19  
Salt--Saturday.....10  
Street--straight.....

King--cattle.....19  
Cheese--captain.....19  
Blossom--bandage.....15  
Afraid--flattered.....10

CONSECUTIVE No. 442.--Nothing abnormal has ever been suspected in the case of this subject; mother eccentric; sister insane. Sound reactions.

Table--stable.....  
Dark--dreary.....  
Music--joy.....  
Sickness--silliness...10  
Man--manner.....10  
Deep--dreary.....15  
Soft--sooth.....19  
Eating--evening.....10  
Mountain--morning.....18  
House--help.....19  
Black--dark.....  
Mutton--mitten.....10  
Comfort--come.....10  
Hand--handsome.....10  
Short--small..... 1  
Fruit--first.....10  
Butterfly--butter.....10  
Smooth--sooth.....10  
Command--come.....  
Chair--air.....10  
Sweet--good..... 1  
Whistle--music.....  
Woman--wonder.....19  
Cold--freezing.....  
Slow--snow.....10  
Wish--wind.....10  
River--riffle..... 3  
White--wait.....10  
Beautiful--handsome...  
Window--light.....  
Rough--harsh.....  
Citizen--city.....  
Foot--walk.....  
Spider--creep.....  
Needle--needless.....10  
Red--color.....  
Sleep--sleet.....10  
Anger--rough.....  
Carpet--carpenter.....10  
Girl--going.....19  
High--air.....  
Working--toiling.....  
Sour--shower.....10

Earth--eating.....19  
Trouble--loneliness...17  
Soldier--solid.....10  
Cabbage--carrying.....19  
Hard--hardly..... 8  
Eagle--eating.....10  
Stomach--starch.....10  
Stem--step..... 2  
Lamp--glass.....  
Dream--dreary.....  
Yellow--yonder.....12  
Bread--bed.....10  
Justice--juice.....10  
Boy--ball.....  
Light--likeness.....10  
Health--help.....10  
Bible--book.....  
Memory--memorial..... 2  
Sheep--sleep.....  
Bath--battle.....10  
Cottage--cotton.....10  
Swift--fast.....  
Blue--blind.....10  
Hungry--hurry.....10  
Priest--prince.....10  
Ocean--over.....12  
Head--large..... 1  
Stove--stone.....10  
Long--heavy.....19  
Religion--goodness.... 1  
Whiskey--strong.....  
Child--small..... 1  
Bitter--butter.....10  
Hammer--hard.....  
Thirsty--thrifty.....10  
City--seeing.....10  
Square--squirrel.....10  
Butter--bitter.....10  
Doctor--dark.....10  
Loud--noisy.....  
Thief--stealing.....  
Lion--eating.....  
Joy--joyous..... 8  
Bed--sleep.....  
Heavy--weightful..... 4  
Tobacco--cocoa.....10  
Baby--boys..... 2  
Moon--moo..... 3  
Scissors--successors..10  
Quiet--easy.....  
Green--grass.....  
Salt--simmer.....19  
Street--steep.....10

King--kingdom.....  
Cheese--squeeze.....10  
Blossom--blooming.....  
Afraid--Africa.....10

CONSECUTIVE No. 314.--School teacher. Efficient; described as very  
silent. Unclassified reactions, due mostly to distraction.

Table--cat.....19  
Dark--no.....12  
Music--will.....19  
Sickness--chair.....19  
Man--table..... 6  
Deep--floor.....14  
Soft--paper..... 6  
Eating--wood.....19  
Mountain--chair.....15  
House--Window.....  
Black--wall.....  
Mutton--sky.....19  
Comfort--air.....18  
Hand--table.....  
Short--paper..... 6  
Fruit--sweeping.....19  
Butterfly--room.....18  
Smooth--working..... 2  
Command--stone.....19  
Chair--machine.....19  
Sweet--radiator.....19  
Whistle--clock.....19  
Woman--cane.....19  
Cold--flower.....19  
Slow--cord.....19  
Wish--marriage..... 2  
River--chimney.....19  
White--wheel.....19  
Beautiful--cane.....15  
Window--pot.....19  
Rough--grass.....19  
Citizen--paper.....  
Foot--closet.....19  
Spider--awning.....19  
Needle--good..... 9  
Red--bad..... 9  
Sleep--hinge.....19  
Anger--will.....15  
Carpet--paper..... 6  
Girl--chair.....15  
High--table..... 6  
Working--cane.....15  
Sour--floor.....15  
Earth--ceiling.....18

Trouble--chain.....19  
Soldier--desk.....19  
Cabbage--paper.....  
Hard--table.....  
Eagle--flower.....15  
Stomach--match.....19  
Stem--match.....  
Lamp--table.....  
Dream--chair.....14  
Yellow--cane.....18  
Bread--flour.....  
Justice--peace.....  
Boy--window.....15  
Light--wall.....18  
Health--floor.....18  
Bible--house.....18  
Memory--paper..... 6  
Sheep--dress.....19  
Bath--clothes.....18  
Cottage--earth.....19  
Swift--sky.....18  
Blue--trees.....19  
Hungry--leaves.....18  
Priest--bark.....18  
Ocean--boat.....  
Head--hat.....  
Stove--ashes.....17  
Long--short.....  
Religion--peace.....  
Whiskey--bottle.....  
Child--dress.....  
Bitter--sour.....  
Hammer--teeth.....19  
Thirsty--dry.....  
City--good..... 1  
Square--wood.....  
Butter--best.....10  
Doctor--shoes.....19  
Loud--music.....  
Thief--notes..... 2  
Lion--strings.....19  
Joy--happy..... 1  
Bed--wish.....13  
Heavy--lead.....  
Tobacco--plant.....  
Baby--good..... 1  
Moon--paper..... 6  
Scissors--straw.....19  
Quiet--hoop.....19  
Green--rope.....19  
Salt--dish.....  
Street--dirt.....  
King--bucket.....19

Cheese--plate.....  
Blossom--plant.....  
Afraid--sweeping.....15

CONSECUTIVE No. 216.--State hospital attendant. Incompetent, dull.  
Numerous non-specific reactions.

Table--rolling.....19  
Dark--swim.....19  
Music--playing.....  
Sickness--riding.....19  
Man--walk.....  
Deep--singing.....19  
Soft--light.....  
Eating--sleep.....  
Mountain--low.....  
House--small..... 1  
Black--dark.....  
Mutton--lean.....19  
Comfort--good..... 1  
Hand--small..... 1  
Short--small..... 1  
Fruit--taste.....  
Butterfly--beautiful.. 1  
Smooth--long..... 6  
Command--immediate.... 2  
Chair--small..... 6  
Sweet--clear.....19  
Whistle--long.....  
Woman--small..... 1  
Cold--long..... 6  
Slow--write..... 2  
Wish--quick.....10  
River--long.....  
White--clean.....  
Beautiful--nice..... 1  
Window--big.....19  
Rough--bad..... 1  
Citizen--short.....19  
Foot--small..... 1  
Spider--small..... 1  
Needle--small..... 1  
Red--dark.....  
Sleep--easy.....  
Anger--bad..... 1  
Carpet--small..... 1  
Girl--short.....15  
High--long.....  
Working--good..... 1  
Sour--bad..... 1  
Earth--large..... 1  
Trouble--bad..... 1

Soldier--good..... 1  
Cabbage--small..... 6  
Hard--apples.....  
Eagle--small..... 6  
Stomach--good..... 1  
Stem--short.....  
Lamp--bright.....  
Dream--good..... 1  
Yellow--light.....  
Bread--good..... 1  
Justice--good..... 1  
Boy--small..... 1  
Light--clear.....  
Health--good..... 1  
Bible--true.....  
Memory--good..... 1  
Sheep--many.....  
Bath--good..... 1  
Cottage--large..... 1  
Swift--fast.....  
Blue--dark.....  
Hungry--long..... 6  
Priest--true.....19  
Ocean--wide.....  
Head--large..... 1  
Stove--black.....  
Long--wide.....  
Religion--good..... 1  
Whiskey--strong.....  
Child--small..... 1  
Bitter--bad..... 1  
Hammer--small..... 1  
Thirsty--bad..... 1  
City--big.....  
Square--long.....  
Butter--good..... 1  
Doctor--good..... 1  
Loud--hearty.....19  
Thief--bad..... 1  
Lion--bad..... 5  
Joy--happy..... 1  
Bed--easy.....  
Heavy--stone.....  
Tobacco--strong.....  
Baby--small..... 1  
Moon--large..... 1  
Scissors--sharp.....  
Quiet--baby.....  
Green--dark.....  
Salt--strong.....10  
Street--wide.....  
King--high.....  
Cheese--good..... 1



Blossom--apples.....  
Afraid--he.....12

CONSECUTIVE No. 318.--School boy. Non-specific reactions.

Table--board.....  
Dark--night.....  
Music--sound.....  
Sickness--pleasantness 9  
Man--people..... 1  
Deep--river.....  
Soft--cat..... 2  
Eating--pleasantness.. 1  
Mountain--high.....  
House--home.....  
Black--dark.....  
Mutton--good..... 1  
Comfort--pleasure..... 1  
Hand--foot.....  
Short--little.....  
Fruit--good..... 1  
Butterfly--pretty..... 1  
Smooth--soft.....  
Command--go.....  
Chair--sit.....  
Sweet--good..... 1  
Whistle--noise.....  
Woman--pretty..... 1  
Cold--bad..... 1  
Slow--quick.....  
Wish--good..... 1  
River--deep.....  
White--snow.....  
Beautiful--pretty..... 1  
Window--look.....  
Rough--even.....  
Citizen--good..... 1  
Foot--hand.....  
Spider--bite.....  
Needle--sharp.....  
Red--crimson.....  
Sleep--wake.....  
Anger--mad.....  
Carpet--floor.....  
  
Girl--good..... 1  
High--tall.....  
Working--sleep.....  
Sour--bad..... 1  
Earth--ground.....  
Trouble--bad..... 1  
Soldier--good..... 1

Cabbage--bad..... 6  
Hard--soft.....  
Eagle--bird.....  
Stomach--ache.....  
Stem--slender.....  
Lamp--light.....  
Dream--good..... 1  
Yellow--pretty..... 1  
Bread--good..... 1  
Justice--good..... 1  
Boy--fun.....  
Light--see.....  
Health--happiness..... 1  
Bible--good..... 1  
Memory--good..... 1  
Sheep--pretty..... 1  
Bath--good..... 1  
Cottage--pretty..... 1  
Swift--quick.....  
Blue--yellow.....  
Hungry--eat.....  
Priest--good.....  
Ocean--big.....  
Head--little..... 15  
Stove--hot.....  
Long--distance.....  
Religion--good..... 1  
Whiskey--bad..... 1  
Child--cute.....  
Bitter--good..... 1  
Hammer--hard.....  
Thirsty--hard..... 5  
City--good..... 6  
Square--round.....  
Butter--soft.....  
Doctor--good..... 1  
Loud--noisy.....  
Thief--good..... 6  
Lion--big.....  
Joy--good..... 1  
Bed--comfortable.....  
Heavy--light.....  
Tobacco--bad..... 1  
Baby--pretty..... 1  
Moon--cute..... 13  
Scissors--sharp.....  
Quiet--loud.....  
Green--pretty..... 1  
Salt--good..... 1  
Street--narrow.....  
King--good..... 6  
Cheese--good..... 1  
Blossom--pretty..... 1

Afraid--scared.....

CONSECUTIVE NO. 234.--School boy. Non-specific reactions.

Table--chair.....

Dark--cold.....

Music--sweet.....

Sickness--hard.....

Man--wise.....19

Deep--dark.....

Soft--sweet.....

Eating--drinking.....

Mountain--snow.....

House--great..... 9

Black--horse.....

Mutton--good..... 1

Comfort--health.....

Hand--foot.....

Short--fat.....

Fruit--good..... 1

Butterfly--pretty.....

Smooth--hard.....

Command--general.....

Chair--soft.....

Sweet--good..... 1

Whistle--loud.....

Woman--large..... 1

Cold--dreary.....

Slow--hard.....

Wish--fairy.....

River--large..... 1

White--snow.....

Beautiful--woman..... 1

Window--large..... 1

Rough--hard.....

Citizen--good..... 1

Foot--small..... 1

Spider--ugly.....

Needle--thick.....

Red--cow.....17

Sleep--dreams.....

Anger--very.....12

Carpet--pretty..... 1

Girl--small..... 1

High--tree.....

Working--hard.....

Sour--bitter.....

Earth--great..... 1

Trouble--hard.....

Soldier--brave.....

Cabbage--good..... 1

Hard--stone.....

Eagle--great..... 9  
Stomach--weak.....  
Stem--watch.....  
Lamp--pretty..... 9  
Dream--sweet.....  
Yellow--buttercup.....  
Bread--flour.....  
Justice--man..... 1  
Boy--gun.....  
Light--bright.....  
Health--care..... 2  
Bible--holy.....  
Memory--poor.....  
Sheep--pretty..... 1  
Bath--nice..... 1  
Cottage--low.....  
Swift--stream.....  
Blue--bluebird..... 2  
Hungry--tired.....  
Priest--church.....  
Ocean--water.....  
Head--large..... 1  
Stove--fire.....  
Long--snake.....  
Religion--Jesus.....  
Whiskey--temperance...  
Child--healthy.....19  
Bitter--apple.....  
Hammer--nail.....  
Thirsty--water.....  
City--houses.....  
Square--desk.....  
Butter--yellow.....  
Doctor--medicine.....  
Loud--harse.....  
Thief--wicked.....  
Lion--fierce.....  
Joy--happiness..... 1  
Bed--rest.....  
Heavy--stone.....  
Tobacco--dirty.....  
Baby--small..... 1  
Moon--sky.....  
Scissors--sharp.....  
Quiet--lonely.....  
Green--sour.....  
Salt--cows.....19  
Street--people..... 1  
King--rich.....19  
Cheese--yellow.....  
Blossom--pretty..... 1  
Afraid--fear.....

CONSECUTIVE No. 809.--Lawyer. 28 individual reactions, of which 14 are classed as normal; 10 are unclassified, most of which are also obviously normal.

Table--chair.....  
Dark--candle..... 17  
Music--girl.....  
Sickness--doctor.....  
Man--woman..... 1  
Deep--swimming.....19  
Soft--hand.....  
Eating--Reisenweber.....17  
Mountain--Kipling.....19  
House--mortgage.....17  
Black--spectrum.....19  
Mutton--pig.....  
Comfort--chair.....  
Hand--ring.....  
Short--tall.....  
Fruit--banana.....  
Butterfly--color.....  
Smooth--sphere.....17  
Command--soldier.....  
Chair--teacher.....10  
Sweet--apple.....  
Whistle--policeman.....  
Woman--hat.....  
Cold--thermometer.....19  
Slow--invalid.....  
Wish--million.....  
River--Hudson.....  
White--Broadway.....19  
Beautiful--girl.....  
Window--school.....  
Rough--ball.....19  
Citizen--justice.....  
Foot--shoe.....  
Spider--insect.....  
Needle--tailor.....17  
Red--flannel.....  
Sleep--potassium bromide.17  
Anger--teacher.....  
Carpet--tack.....  
Girl--belt.....17  
High--pole.....  
Working--laborer.....  
Sour--apple.....  
Earth--Columbus.....  
Trouble--lawyer.....19  
Soldier--gun.....  
Cabbage--plantation..... 2  
Hard--brick.....

Eagle--feathers.....  
Stomach--juice.....17  
Stem--leaf.....  
Lamp--light.....  
Dream--pillow.....17  
Yellow--lemon.....  
Bread--crust.....  
Justice--judge.....  
Boy--pants.....  
Light--gas.....  
Health--medicine.....  
Bible--Jacob.....17  
Memory--brain.....  
Sheep--wool.....  
Bath--soap.....  
Cottage--rod.....19  
Swift--ball.....  
Blue--sky.....  
Hungry--I.....  
Priest--surplice.....  
Ocean--ship.....  
Head--hair.....  
Stove--shovel.....17  
Long--pole.....  
Religion--Abraham.....19  
Whiskey--Kentucky.....17  
Child--baby.....  
Bitter--pepper.....  
Hammer--nail.....  
Thirsty--lemonade.....  
City--Manhattan.....17  
Square--Washington.....  
Butter--salt.....  
Doctor--nurse.....  
Loud--hammer.....  
Thief--jewelry.....  
Lion--Androcles.....18  
Joy--automobile.....  
Bed--shoes.....15  
Heavy--Flannigan.....19  
Tobacco--pipe.....  
Baby--wife.....  
Moon--man..... 1  
Scissors--cut.....  
Quiet--demure.....  
Green--eyes.....  
Salt--cellar.....  
Street--Wall.....17  
King--Edward.....  
Cheese--Roquefort.....  
Blossom--field.....  
Afraid--burglar.....

## Sec. 9. NUMBER OF DIFFERENT WORDS GIVEN AS REACTIONS.

It has been suggested by Fuhrmann [1] that the number of different words given in response to one hundred selected stimulus words may be used as "a fairly reliable measure of the intelligence and degree of education of a patient." The test according to Fuhrmann is applied twice in every case, the interval between the two sittings being at least four weeks. "In very intelligent and well educated persons every 100 stimulus words almost always evokes in the first test 95-100 different associations; in the less intelligent and in the feeble-minded the same associations are more frequently repeated. In the second test with the same stimulus words--which is really much more important than the first, since even persons of inferior intelligence may reach higher numbers in the first test--the difference in the wealth of the stock of representations becomes plainly evident: the man of intelligence will not need to draw on the associations which he gave in the first test, but will produce new ones; the feeble-minded subject will, on the contrary, repeat to a greater or lesser extent the associations of the first test." "In general the associational capacity of an adult person may be taken to be from 80 per cent to 90 per cent. Should the number sink below 70 per cent the suspicion of a pathological condition must then arise; and the higher the subject's degree of education the stronger is this suspicion. In the case of an associational capacity of 60 per cent or less no doubt of its pathological significance can remain any longer."

[Footnote 1: Diagnostik und Prognostik der Geisteskrankheiten, p. 93. Leipzig, 1903.]

Our results are not strictly comparable with Fuhrmann's, because we have obtained but one test record from each subject; it may be said, however, that the results of a single test in each case do not show any considerable differences, corresponding to education or age, in the variety of responses. Further, dementing psychoses, with the exception of epilepsy, show on the whole no diminution in the number of different reactions, although in individual cases this number falls considerably below the general average; and in such cases the diminution may be dependent upon stereotypy or perseveration, and not necessarily upon reduction in the stock of representations.

It would appear from our results that pathological mental states are apt to manifest themselves by a tendency to give reactions belonging to types of inferior values rather than by diminished variety of responses.

We show in Table VI. the numbers of different responses given by our groups of normal and insane subjects, expressed in figures giving for each group the median and the average.

TABLE VI.

	Med.	Av.
86 normal subjects, common school education; records containing not over 10 individual reactions.....	85	84.5
66 normal subjects, collegiate education; records containing not over 10 individual reactions.....	87	86.5
48 normal subjects, school children; records containing not over 10 individual reactions.....	87	84.9
53 normal subjects; records containing not under 15 individual reactions.....	90	88.7
108 cases of dementia praecox.....	87	84.8
33 cases of paranoid conditions.....	89	86.5
24 cases of epilepsy.....	78 1/2	75.8
32 cases of general paresis.....	84 1/2	82.4
32 cases of manic-depressive insanity.....	87	85.4

Sec. 10. CO-OPERATION OF THE SUBJECT.

In our work with insane subjects we encountered many cases in which we were unable to obtain satisfactory test records owing to lack of proper co-operation. Some subjects seemed to be either too confused or too demented to be capable of understanding and following the instructions given them. Others were for one reason or another unwilling to co-operate. It is important to distinguish inability from unwillingness to co-operate, since the former indicates in itself an abnormal state of the mind, while the latter is quite often shown by normal persons.

A subject may co-operate to the extent of giving a single word in response to each stimulus word, and yet fail to co-operate in some other particulars.

He may, instead of giving the first word suggested to him by the stimulus, suppress the first word more or less systematically, and give some other word which may seem to him more appropriate. This probably occurs very often, but does not seem to render the results less serviceable for our purpose.

Further, a subject may react by words related not to the stimulus words, but to each other, thus simulating perseveration; or he may react by naming objects within reach of the senses, thus appearing to be distracted; or he may give only sound reactions.

There is, in fact, no type of pathological reactions which a normal person may not be able to produce more or less readily at will, though in the case of incoherent reactions considerable mental effort may be required, and the end may be attained only by regularly rejecting the first and some subsequent words which are suggested by the stimulus.



In view of these considerations we are led to conclude that the association test, as applied by our method, could not be relied upon as a means of detecting simulation of insanity in malingerers, criminals, and the like.

#### Sec. 11. SUMMARY.

The normal range of reaction in response to any of our stimulus words is largely confined within narrow limits.

The frequency tables compiled from test records given by one thousand normal subjects comprise over ninety per cent of the normal range in the average case.

With the aid of the frequency tables and the appendix normal reactions, with a very few exceptions, can be sharply distinguished from pathological ones.

The separation of pathological reactions from normal ones simplifies the task of their analysis, and makes possible the application of a classification based on objective criteria.

By the application of the association test, according to the method here proposed, no sharp distinction can be drawn between mental health and mental disease; a large collection of material shows a gradual and not an abrupt transition from the normal state to pathological states.

In dementia praecox, some paranoic conditions, manic-depressive insanity, general paresis, and epileptic dementia the test reveals some characteristic, though not pathognomonic, associational tendencies.

#### ACKNOWLEDGMENTS.

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## THE FREQUENCY TABLES.

### 1. TABLE

accommodation	1
article	3
articles	1
basket	1
bench	9
board	14
book	7
books	5
boy	1
bread	1
breakfast	2
broad	2
brown	1
butter	1
cards	2
celery	1
center	1
chair	267
chairs	7
chemical	1
cloth	57
cockroaches	1
comfort	1
cover	17
cutlery	1

desk	11
dine	2
dining	4
dinner	26
dish	5
dishes	40
dissection	1
dog	1
eat	63
eatables	1
eating	34
ferns	1
fete	1
flat	5
floor	7
food	29
fork	1
form	1
furniture	75
glass	1
hard	9
hat	1
home	2
house	3
ink	1
kitchen	1
lamp	1
large	4
leaf	1
leaves	1
library	1
leg	13
legs	10
linen	2
long	1
low	2
Mabel	1
mahogany	2
mat	1
meal	6
meals	4
meat	2
mess	1
nails	2

napkin	1
number	1
oak	1
object	1
old	1
operating	1
ornament	2
parlor	1
pitcher	1
plate	4
plates	1
plateau	1
polished	1
refreshments	1
rest	3
room	3
round	10
school	1
serviceable	1
set	2
shiny	1
sit	3
sitting	2
slab	1
smooth	1
soup	1
spiritualism	1
spoon	6
spread	2
square	9
stable	1
stand	36
stool	3
straight	1
strong	1
supper	1
tablecloth	1
tea	1
timber	1
top	2
typewriter	1
use	2
useful	3
utensil	1
victuals	2

wagon	1
whist	1
white	1
wire	1
wood	76
wooden	1
work	2
working	1
write	2
writing	6

## 2. DARK

afraid	6
baby	1
bad	1
barks	1
black	76
blackness	2
blank	1
blind	2
blindness	2
blue	5
board	1
boat	1
bright	15
brightness	4
brown	4
candle	1
cart	1
cat	2
cell	1
cellar	6
close	1
closet	1
cloud	2
clouds	2
cloudy	3
cold	2
color	28
colored	1
colorless	1
coon	1
curly	1
day	1
daylight	1
dead	1
denseness	1
dim	3

dimness	3
dingy	2
dismal	3
dog	1
door	1
dreary	1
dress	4
dungeon	5
dusk	1
dusky	1
evening	4
eye	1
eyes	2
fair	2
fear	6
fearful	1
fearsome	1
fright	2
ghost	1
ghosts	1
gloom	6
gloomy	11
gray	1
green	1
ground	1
hair	5
hall	1
hell	1
hole	1
horse	3
house	2
illumination	1
invisible	2
lamp	1
lantern	1
light	427
lonely	1
lonesome	1
lonesomeness	1
mahogany	1
man	4
mice	1
midnight	1
moon	6
moonlight	1
mysterious	1

nice	1
night	221
oblivion	1
obscure	1
parlor	1
prison	1
red	5
rest	3
room	22
scare	1
shades	1
shadow	2
shadows	1
sky	1
sleep	1
sleeping	1
space	1
starry	1
stars	2
stillness	1
storm	1
stumbling	1
subject	1
sunlight	1
thunder	1
tree	1
twilight	1
unseen	1
walk	1
weather	3
white	9
woods	1

### 3. MUSIC

accordion	1
air	3
amuse	1
amusement	10
art	7
attention	1
attraction	1

band	6
bassviol	1
beautiful	7
beauty	2
Beethoven	7
bell	1
bird	1
birds	1
book	1
books	2
box	2
brightness	1
captivating	1
cats	1
charm	1
charms	1
charming	2
cheerful	2
cheerfulness	2
Chopin	1
chord	1
chords	1
clarinette	1
classic	1
classical	2
composer	2
company	1
concert	2
conductor	1
dance	17
dances	1
dancing	15
delight	1
delightful	2
discord	3
drama	1
ear	3
ecstasy	1
elevating	1
enchantment	1
enjoyable	1
enjoyed	1
enjoyment	13
entertaining	5
entertainment	3
entrancing	1
feeling	1
fiddle	1
fine	2



flowers	1
flute	1
fun	1
gaiety	2
gay	1
genius	1
girl	2
gladness	1
Goethe	1
good	3
guitar	1
hall	2
happiness	5
happy	2
harmonious	1
harmony	45
hear	1
heaven	2
hurdygurdy	1
hymn	1
idealism	1
instrument	21
instruments	5
instrumental	1
jolly	1
joy	11
joyful	1
lesson	1
light	1
line	1
liveliness	1
lonely	1
loud	1
love	2
man	1
meditation	1
melody	24
Mendelsohn	1
Merry Widow	1
Mozart	1
Mr. B.	1
Mrs. E.	1
musician	3
mute	1
nice	6

nocturne	1
noise	16
noisy	1
note	2
notes	17
opera	5
orchestra	5
organ	6
paper	2
pastime	1
piano	180
pianola	2
pitch	1
play	7
playing	8
pleasant	10
pleasantness	1
pleasing	5
pleasure	31
poem	1
poetry	4
practice	1
pretty	4
pupils	1
quiet	1
rack	1
racket	1
rhyme	1
roll	2
room	1
sadness	2
scale	1
Schubert	2
score	1
sheet	5
sheets	1
sing	12
singer	1
singing	48
soft	1
softness	1
solemn	1
song	68
songs	6
soothing	2
sound	95
sounds	2
stool	2

strain 1  
strains 2  
string 1  
study 2  
sweet 47  
sweetness 6  
symphony 4

talent 2  
teacher 6  
teaching 1  
thought 1  
time 2  
tone 3  
town 1  
tune 2

violin 21  
voice 2

Wagner 3  
wavy 1  
window 1  
words 1  
worship 1

Yankee Doodle 1

#### 4. SICKNESS

affliction 1  
age 1  
ailing 3  
ailment 2  
air 1  
anxiety 1  
appendicitis 3  
aunt 1

baby 3  
bad 15  
bed 54  
Bertha 1  
better 1  
body 1  
business 1

calamity 1  
care 1  
child 2  
cold 1  
condition 1

consumption 3  
contagious 2  
convalescence 1  
convalescing 2  
cure 3

danger 1  
death 115  
dietary 1  
diphtheria 8  
disability 1  
disabled 2

discomfort 3  
disease 20  
distress 4  
doctor 62

dread 1  
dreariness 1

enjoyed 1  
ether 1  
exhaustion 1

family 1  
father 3  
fear 1  
feeble 4  
feel 1  
feeling 1  
fever 9  
fevers 1  
fracture 1  
fright 1

gloom 1  
gravel 1  
grief 3  
grunting 1

hard 2  
hatefulness 1  
headache 5  
health 142  
healthy 4  
home 2  
horrible 1  
hospital 9

ill 48  
illness 71  
incompetence 1

inconvenience	1
indisposition	1
infirmity	1
insanity	1
invalid	2
K.	1
low	1
lying	1
malady	2
man	1
measles	3
medication	1
medicine	30
melancholy	1
mine	1
misery	3
misfortune	3
mother	3
nervousness	2
neuralgis	1
nurse	15
nursing	2
operation	1
oranges	1
pain	56
painful	1
pale	2
patient	7
patients	1
people	1
person	1
physician	7
pill	1
pills	1
plague	1
pleasantness	1
pneumonia	5
poverty	1
quiet	1
quietness	1
recovery	2
relapsing	1
rheumatism	1
room	1

sad 7  
sadness 9  
serious 2  
severe 4  
sigh 1  
sore 1  
sorrow 24  
sorry 2  
stomach 1  
strength 2  
suffer 1  
suffering 12  
summer 1  
sympathy 2

terror 1  
together 1  
trouble 20  
trying 1  
typhoid 6

uncomfortable 2  
unhappiness 1  
unhappy 1  
unhealthy 1  
unpleasant 5  
unpleasantness 2  
unwell 11

want 1  
weak 1  
weakness 11  
weariness 2  
weary 1  
well 40  
white 1  
worried 1

worriment 1

## 5. MAN

adult 2  
affection 1  
age 1  
alive 1  
animal 12  
animals 1  
animate 1  
appearance 2

baby	1
bad	2
beard	1
beast	2
being	19
biped	3
blond	1
body	3
boy	44
brain	1
bright	1
brightness	1
brother	8
brotherhood	1
brute	1
bum	1
business	6
cane	3
certain	1
Charles	2
child	10
children	2
Christian	1
clergyman	1
clothes	7
clothing	2
coat	3
comfort	1
companion	1
company	1
coon	1
crank	1
creature	8
cross	1
devil	1
doctor	2
dress	1
educator	1
existence	1
fakir	1
false	1
family	1
father	15
female	3
flesh	2
form	2
fraud	1
Fred	1
friend	2

gentle	1
gentleman	7
girl	6
glacier	1
good	10
greatness	1
grown	1
growth	1
hair	1
hat	7
help	2
home	1
homely	1
horrible	1
horse	4
house	1
human	22
humanity	1
husband	4
individual	1
insane	1
institution	1
intellectual	1
intelligent	1
janitor	1
Joe	1
labor	1
laborer	1
lady	7
large	11
life	4
light	1
limb	1
living	2
lord	1
love	1
machine	1
maiden	1
male	99
mammal	1
manhood	1
mankind	5
manliness	1
manly	2
marriage	1
married	1
masculine	6



mason	1
mind	1
might	1
minister	1
minor	1
misery	1
money	1
monkey	1
Mr. D.	1
Mr. H.	1
Mr. N.	1
Mr. S.	3
muscular	1
N.	1
nature	1
Ned	1
nice	1
noble	3
nuisance	1
out	1
papa	1
passion	1
people	2
person	30
pleasure	1
policeman	2
politician	1
power	5
professor	1
prosperity	1
provider	1
Roosevelt	1
ruler	1
self	1
sex	4
shirt	1
shoes	1
short	1
smoking	1
stern	1
stout	1
street	1
strength	32
strong	8
sweetheart	1
Taft	1
tall	12

thought	1
trousers	6
true	1
unfeminine	1
use	1
V.	1
voter	1
walk	1
wedding	1
whiskers	1
wife	5
wise	1
woman	394
work	17
works	1
worker	1
working	3
young	2

## 6. DEEP

abyss	3
altitude	1
around	1
below	3
beneath	1
black	1
blue	3
bottom	1
bottomless	1
bowl	1
breath	1
broad	1
brooding	1
brook	1
cave	2
Cayuga	1
chair	1
chasm	2
cellar	1
classic	1
clear	1
cliff	1
danger	3

dangerous	5
dark	28
darkness	4
dense	1
depth	31
depths	1
diameter	1
dig	1
distance	8
ditch	8
doleful	1
down	27
dread	1
earth	1
extension	1
fall	2
falling	3
far	3
fathomless	5
fear	1
full	1
gloomy	1
good	1
gorge	1
great	1
ground	1
heavy	1
height	5
high	37
hole	32
hollow	13
large	8
length	8
level	2
light	4
long	18
low	51
measure	2
mighty	1
mind	1
mine	4
narrow	3
ocean	93
organ	1

philosophy	1
pit	1
pond	1
pool	1
precipice	1
profound	4
ravine	1
reaching	1
river	13
rocks	1
safety	1
scare	1
sea	90
sewer	1
shade	1
shady	1
shallow	180
sharp	1
ship	1
short	1
sincere	1
sink	2
sleep	1
smooth	1
sorrow	1
sound	2
space	6
spacious	2
steep	7
story	1
strong	1
study	1
sunken	1
surface	1
swimming	1
thick	1
thickness	1
thin	1
thinking	2
thought	14
thoughts	2
tranquil	1
trench	1
under	1
valley	1
vast	2

wading	1
water	134
well	44
wet	1
wide	12
width	2

## 7. SOFT

apple	1
-------	---

baby	7
ball	2
beautiful	1
bed	12
boiled	1
brain	1
bread	4
breeze	1
butter	12

cake	1
candy	1
care	1
carpet	1
cat	1
cement	1
clay	1
clean	1
cloth	3
clothes	1
coal	2
cold	1
color	2
comfort	2
comfortable	5
comply	1
consistency	1
cotton	28
crabs	1
cream	2
creeping	1
cushion	25

dark	1
dough	1
down	6
dress	1
drink	1

earth	7
-------	---

ease	1
easy	34
egg	2
eggs	2
eyes	1
feather	2
feathers	24
feathery	1
feel	1
feeling	8
felt	1
fine	5
firm	1
flabby	3
fleece	1
flesh	1
flexible	7
floor	1
fluffy	1
food	2
foolish	1
form	1
fruit	3
fun	1
fur	4
gentle	3
girl	1
glove	1
good	3
grasp	1
grass	1
ground	3
gum	1
hair	3
hand	3
hands	1
hard	365
harsh	1
hazy	1
head	1
idiot	1
jelly	1
kitten	2
large	1
light	8
lightly	1

liquid	2
loose	2
loud	5
low	5
maple	1
marshes	1
medium	1
mellow	11
membrane	1
mild	2
moist	1
moss	2
mud	15
mush	10
mushing	1
mushy	12
music	4
nice	4
palatable	1
peach	2
pear	2
pillow	53
pillows	2
pliable	8
plush	2
pudding	4
putty	4
quality	1
quiet	2
rubber	3
sand	1
satisfactory	1
seat	1
silk	10
skin	1
slow	2
slushy	1
smooth	27
snap	3
snow	7
soap	6
soup	1
sponge	22
sponges	1
spongy	8

squash 1  
sticky 1  
strong 1  
substance 1  
sweet 8  
sweetness 1

tender 8  
texture 1  
timid 1  
tomatoes 1  
touch 4

velvet 15  
voice 2

wadding 1  
warm 1  
water 8  
watery 1  
wax 1  
wet 3  
white 3  
wool 8  
woolen 1

yielding 5

## 8. EATING

abstain 1  
abstinence 1  
action 2  
appetite 28  
apple 4  
apples 6  
assimilation 1

biting 1  
bread 46  
breakfast 7  
butter 1

cake 4  
candy 3  
Chacona's 1  
chew 1  
chewing 27  
chicken 3  
coffee 1  
Commons 1  
consuming 4



cooking	3
cream	2
devour	1
devouring	2
diet	2
diets	1
digest	1
digesting	7
digestion	10
dine	2
dining	1
dinner	31
drink	6
drinking	166
dyspepsia	1
enjoyable	1
enjoying	1
enjoyment	2
enough	1
etiquette	1
fast	3
fasting	5
fattening	1
feasting	2
feed	1
feeding	5
filling	2
finishing	1
fish	3
flavor	1
flesh	1
food	170
fork	2
forks	1
fruit	8
full	4
gluttonish	1
good	23
gormandizer	1
gratifying	1
habit	3
health	9
healthful	1
heartily	1
hearty	1
hot	2
house	1
hunger	19

hungry 44

ice-cream 2

indigestion 4

knives 1

lemons 1

life 2

live 4

living 5

lobster 1

lobsters 1

lunch 8

masticate 1

masticating 11

mastication 5

matter 1

meal 4

meals 10

meat 11

meeting 1

mild 1

milk 1

more 1

motion 1

mouth 2

movement 1

much 1

myself 1

necessary 4

necessity 7

nice 3

nourish 1

nourishing 2

nourishment 11

olives 1

oranges 1

palatable 2

people 3

pie 3

pleasant 7

pleasantness 1

pleasure 10

plenty 1

poor 1

potato 1

potatoes 2

provisions	1
pudding	1
quick	1
quickly	1
refreshing	2
refreshment	1
Reisenweber	1
relief	1
relish	2
resting	2
room	1
sandwich	1
satisfaction	12
satisfied	4
satisfy	1
satisfying	5
sick	1
sit	1
sitting	1
sleep	1
sleeping	17
slow	2
slowly	1
soup	2
starving	4
steak	2
stomach	2
strawberries	1
strength	2
substance	1
sufficient	2
sugar	1
surfeiting	1
sustaining	1
sustenance	2
swallow	6
swallowing	5
table	21
talking	1
taste	7
tasting	2
teeth	3
thinking	1
throat	1
tongue	1
use	1
utensils	1

vegetable 2  
vegetables 8  
victuals 4

want 2  
water 1  
watermelon 1  
well 2  
work 1

## 9. MOUNTAIN

abrasion 1  
Adirondacks 4  
air 2  
Alleghany 3  
Alps 6  
altitude 2  
attractive 1  
automobile 1

Bald 1  
beautiful 1  
beauty 2  
big 2  
Blanc 1  
Bluff 1  
Breckenridge 1

camping 1  
Catskills 8  
cliff 2  
cliffs 1  
Clifton 1  
climb 9  
climbing 27  
close 1  
clouds 3  
cone 1  
country 5  
crevice 1

descend 1  
descending 2  
desert 1  
dirt 1  
distance 1  
ditch 1

earth 3  
elevation 9

fear 1  
field 1  
Flashman 1  
foliage 1  
fountain 1

Galeton 1  
geography 1  
grand 1  
grandeur 3  
granite 1  
grass 1  
great 1  
green 4  
ground 1

heath 1  
height 73  
heights 2  
high 246  
highlands 1  
highness 2  
hill 184  
hills 82  
hilltop 2  
hilltops 1  
hilly 2  
Himalaya 1  
hollow 5  
Holyoke 1  
home 1

horse 1  
Hudson 1  
huge 2

impressive 1  
incline 1  
island 1

Kipling 1  
knoll 1

lake 8  
land 6  
landscape 1  
large 4  
level 1  
lofty 1  
low 2  
lowland 1

Monodonack 1  
mound 1  
Mount Ivy 1  
Mount Kearsarge 1  
Mount McKinley 1  
Mount Pleasant 1  
Mount Shasta 1  
Mount Wilson 1

object 2  
Owl's Head 1

peak 16  
peaks 1  
pictures 1  
Pike's Peak 1  
pines 1  
plain 11  
plateaus 1  
pleasure 3

pointed 1  
railway 1  
range 3  
ranges 1  
river 8

rock 10  
Rockies 6  
rocks 18  
rocky 5  
rough 1

scene 1  
scenery 3  
sea 1  
seas 1  
seashore 1

shadows 1  
shooting 1  
size 1  
sky 2  
slope 1  
snow 10  
steep 12  
steepness 1  
stone 2  
stones 1  
stream 2  
summit 4  
Switzerland 2

tall	1
Terrace	1
top	5
tree	2
trees	17
up	1
vale	2
valley	90
valleys	5
Vermont	1
view	2
volcano	2
Washington	1
White	5
wood	1
woods	3

#### 10. HOUSE

abode	15
alley	1
apartment	3
background	1
barn	74
Bay Ridge	1
beautiful	2
Belknap	1
big	4
blinds	1
boards	3
boat	2
box	1
brick	23
bricks	5
brown	2
build	2
building	78
bungalow	2
cabin	8
camp	1
carpenter	1
carpet	1
castle	4
cattle	1
cellar	1
chair	2

chamber	1
chicken	1
chimney	5
church	1
city	2
clean	2
closed	1
college	1
comfort	9
comforts	1
comfortable	3
contractor	1
corridor	1
cottage	42
cover	3
covering	1
dark	1
den	1
dog	2
domestic	1
domicile	1
door	16
doors	1
dwell	3
dwelling	68
enclosure	1
erection	1
family	4
fancy	1
farm	2
farmer	1
fence	1
field	1
fire	1
floor	1
form	1
foundation	1
frame	5
friends	1
furnace	1
furnishing	1
furniture	11
garden	10
grandmother	1
great	1
green	2
ground	3
grounds	1



habitable	1
habitation	5
happiness	1
height	2
high	3
hill	3
home	103
homeless	1
hospital	4
hot	1
hotel	4
hovel	1
hut	2
inhabitant	1
inhabited	1
inmates	1
into	1
joy	1
land	10
lake	1
large	24
lawn	3
lemon	1
Leonia	1
life	2
live	33
living	19
lot	18
lots	1
lumber	3
man	2
mansion	14
material	1
mine	1
mortgage	1
Mountain House	1
mouse	2
new	1
object	1
old	1
ours	1
palace	1
painting	1

Pasadena	1
people	11
piazza	2
picture	1
place	6
pleasant	1
pretty	3
property	1
protection	3
red	4
refuge	1
residence	19
resident	2
restful	1
road	1
roof	12
room	9
rooms	8
Sage	1
school	2
sea	1
shanty	1
shed	5
shelter	22
sky	2
small	2
spacious	1
square	4
stable	3
star	1
steps	1
stone	7
stoop	1
store	2
street	7
structure	8
tabernacle	1
table	1
tall	1
telescope	1
tenant	1
tenement	2
tent	3
timber	1
top	5
town	1
tree	2
trees	1
tumbler	1

villa	2
village	1
walls	1
warm	3
wealth	1
well	1
white	9
Whittier	1
wide	1
willow	1
window	9
windows	5
wood	31
wooden	1
workman	1
worship	1
yard	10

#### 11. BLACK

agreeable	1
blue	8
board	3
book	2
bright	2
buggy	1
cat	8
chair	1
charcoal	1
cloth	17
clothes	4
cloud	1
clouds	1
cloudy	2
coal	3
coat	3
color	129
colored	1
colorless	3
crepe	2
curtain	1
dark	172
darkness	36
death	4
dense	1
desolate	1

dirty	2
disagreeable	1
disklike	1
dog	4
domino	1
dress	29
dye	2
earth	1
ebony	1
face	1
fear	2
figure	1
flecked	1
floor	1
funeral	1
gloomy	2
gown	1
gray	2
green	7
hair	2
hat	3
heavy	1
hog	1
horror	1
horse	5
impenetrable	1
ink	14
lack	1
light	12
mammy	1
man	2
Mrs. B.	1
mournful	2
mourning	17
mud	1
negro	7
negroes	1
nigger	6
night	51
nothing	1
obscure	1
orange	1

paint	4
paper	1
pen	1
pink	2
pipe	1
pit	1
radiator	1
red	4
ribbon	1
robe	1
sad	1
sadness	2
sack	1
shady	1
sheep	2
shoe	4
shoes	1
sign	1
skirt	2
sky	1
somber	2
soot	1
sorrow	4
space	1
spectrum	1
stocking	1
stockings	1
suit	1
table	1
tar	1
terror	1
tie	1
umbrella	1
velvet	1
wall	2
water	1
white	339
wonder	1
wood	1
yellow	2

animal	9
animals	1
appetite	1
Australia	1
baa	1
beef	97
bony	1
breakfast	1
broth	15
brown	1
butcher	2
calf	2
cattle	1
cheap	3
chop	34
chops	33
cow	2
delicious	1
dinner	6
disagreeable	2
dish	1
dislike	2
disliked	1
eat	14
eatable	7
eating	10
fat	7
field	2
flesh	10
flock	1
food	30
fork	1
fowl	1
goat	1
good	9
grass	1
grease	2
greasy	1
ham	2
hate	1
head	2
horrid	1
indigestion	1

knife	1
lamb	121
lambs	2
leg	5
Mary	1
meat	257
mouse	1
muttonhead	1
nice	2
old	1
pastures	1
peas	1
pig	2
pork	3
rare	1
roast	4
sauce	1
sheep	204
smell	1
soft	1
soup	2
stale	1
steak	3
stew	2
strong	2
table	4
tallow	6
tender	3
thinking	1
tough	6
uncle	1
veal	30
vegetables	1
vegetarian	1
wool	4

### 13. COMFORT

agony	1
annoyance	1

bad	1
bed	42
blanket	4
book	1
books	1
canoe	1
care	4
chair	31
cheer	1
children	1
cloth	1
comfortable	4
comforter	1
consolation	2
console	1
consoling	1
content	2
contentment	4
convenience	2
cozy	1
couch	9
cover	1
covering	1
cushion	4
cushions	1
davenport	1
death	1
delightful	1
desirable	2
discomfort	24
disease	1
displeasure	1
distress	4
driving	1
ease	165
easiness	11
easy	61
eating	1
enjoying	1
enjoyment	6
feather	1
feeling	1
fireplace	2
fireside	2
friends	1
God	1
good	5



goodness	1
great	1
grief	1
hammock	7
happiness	50
happy	17
hard	2
hardship	7
healing	1
health	15
help	3
home	63
house	4
household	1
I	1
idleness	1
ill	1
joy	9
justice	1
kindness	1
lamp	1
laziness	2
lazy	1
leisure	6
less	1
life	1
like	1
living	2
loneliness	1
lounge	6
luxurious	1
luxury	23
man	1
mansion	1
miserable	1
misery	9
money	9
mother	3
neatness	1
nice	4
none	1
nurse	2
pain	4
palace	2
patient	1

peace	12
people	1
pillow	2
pipe	1
playing	1
pleasant	9
please	1
pleasure	77
plentiness	1
plenty	1
Polly	1
post	1
quiet	6
quietness	1
quilt	7
rain	1
relief	1
rest	53
restful	1
restfulness	1
resting	5
rich	1
rocker	8
safety	1
salary	1
satisfaction	4
satisfied	8
security	1
settled	1
sick	1
sickness	3
sit	1
sitting	4
sleep	10
slippers	1
slumber	1
smoke	1
smoking	1
sofa	5
soft	2
solace	1
solid	11
solitude	8
soothing	2
sorrow	5
speak	1
spirit	1
spread	1
suffering	1

sweet	1
swing	1
table	2
taken	1
tea	1
thankfulness	1
tired	1
trials	1
trouble	1
uncomfort	1
uncomfortable	10
uneasiness	3
uneasy	3
unrest	1
unwell	1
warm	6
warmth	4
wealth	6
well	8
well-being	1
wine	1
wish	1
woman	1
wool	1
work	1
ye	1

#### 14. HAND

anatomy	2
arm	63
arms	2
ball	1
beautiful	3
black	3
bleeding	1
body	48
bone	1
bones	1
busy	1
cards	2
clean	1
clock	1
convenience	1
cradle	1

cunning	1
dexterity	1
diligence	1
dissecting	1
do	1
doing	2
dog	1
ear	1
elbow	1
extremity	6
face	7
fat	1
feel	11
feeling	5
feet	35
fellowship	2
finger	39
fingers	83
fist	1
flesh	19
foot	204
form	1
formation	1
friend	1
friendship	1
fruit	1
give	1
glove	20
gloves	5
good	1
grasp	8
greeting	1
grip	8
handle	1
handy	3
hard	1
head	1
heart	2
help	6
helper	2
helping	1
hold	8
holding	1
human	2
instrument	2
jewel	1

kindness	1
knife	1
knitting	1
labor	1
large	1
leg	4
legs	1
lemon	1
life	2
limb	48
limbs	1
long	1
love	1
machine	2
maid	1
man	3
manipulation	1
member	14
mind	1
mine	1
mouth	4
move	1
muscle	4
nail	2
nails	1
name	1
narrow	3
necessity	2
nice	1
nimble	1
nose	1
object	1
organ	4
palm	5
part	1
paw	2
pencil	1
perfect	1
person	10
piano	1
pen	1
power	8
pretty	8
purity	1
reach	1
rest	1

right	11
ring	28
rings	2
satisfaction	1
servant	1
sew	2
sewing	2
shake	9
shape	1
shapely	1
shop	1
shoulder	1
akin	4
slim	1
small	8
soap	1
soft	8
something	1
sore	1
strength	6
strong	3
support	1
system	1
table	1
thread	1
touch	9
two	2
use	12
useful	24
usefulness	4
watch	1
woman	1
work	49
white	15
wrist	1
write	3
writing	11
you	1

#### 15. SHORT

abbreviated	2
age	1
arm	2
baby	1

beach	1
beam	1
board	1
boy	3
brevity	1
brick	1
brief	7
broad	1
build	1
C.	1
cake	1
chair	1
change	1
child	4
children	1
clock	1
cloth	1
comfort	1
compact	1
cut	1
cylinder	1
dainty	1
day	4
deficient	2
dimension	1
diminiature	1
diminutive	2
disagreeable	1
distance	10
dot	1
down	1
drawn	1
dress	3
dumpy	2
dwarf	11
dwarfs	1
easy	2
elongated	1
extension	1
fat	4
finger	1
flowerpot	1
foot	2
friend	2
girl	11
good	1
grandmother	1
grass	5

hair	2
happiness	1
height	13
high	4
hour	1
hours	3
inch	5
journey	2
Karl	1
lacking	1
lady	4
lake	1
large	2
leg	2
length	18
lesson	1
lessons	1
life	5
little	15
line	1
lived	1
long	279
low	11
lowly	1
man	20
measure	3
measurements	1
medium	2
midget	1
millimeter	1
minus	1
Miss K.	1
money	1
mother	1
myself	6
name	1
narrow	1
near	1
needle	1
not	1
out	1
pencil	6
people	3
person	15



petticoat	1
pin	1
pity	1
plant	1
plants	1
pony	1
post	2
pygmy	2
quick	8
quickly	1
road	1
round	1
session	1
shallow	1
sister	1
size	5
skirt	1
sleek	1
slight	1
slightly	1
small	136
space	1
speech	2
square	1
staccato	1
stature	2
stem	2
stick	8
stop	2
story	1
stout	24
strawberries	1
street	2
string	1
strong	1
stubborn	1
stubby	9
stumpy	4
stunned	1
stunted	1
sufficient	1
sum	1
sweet	1
tall	168
thick	6
thin	1
time	8
tiny	1
Tom Thumb	1

tree	1
unpleasant	1
useless	1
vacation	1
waisted	1
walk	3
want	1
wanting	2
water	1
well	1
wide	1
woman	6
wood	1
worm	1
you	1

## 16. FRUIT

acid	2
appetite	2
apple	157
apples	102
article	1
bake	1
banana	11
bananas	8
berries	7
berry	1
blackberries	1
bread	2
cake	2
can	1
candies	1
candy	3
cherries	2
cherry	2
country	1
currants	1
dainty	1
delicacy	2
delicious	9
desire	1
digest	1
digestion	1

easy 1  
eat 62  
eatable 33  
eatables 15  
eating 35  
edible 1  
eggs 1  
enjoyment 2

figs 1  
fish 1  
flesh 1  
flower 3  
flowers 3  
fond 1  
food 22  
fresh 1

garden 2  
good 24  
grain 2  
grape 4  
grapes 14  
grapefruit 1  
green 1  
groves 1  
grow 1  
grows 1  
growth 2

health 3  
healthy 3  
home 1

Italians 1  
invigorating 1

jam 1  
juice 6  
juicy 5

knife 1

lemon 2  
liked 1  
love 1  
luscious 5  
luxury 2

meat 4  
medicine 1  
melon 1  
milk 1

nourishing	1
nourishment	2
nice	5
nutritious	2
nuts	2
orange	25
oranges	26
orchard	6
outcome	1
palatable	2
peach	17
peaches	32
pears	11
picking	1
pie	1
pineapple	2
plant	1
plants	1
pleasant	2
pleasure	1
plenty	2
plum	2
produce	2
prune	1
raspberries	1
raspberry	1
red	1
result	1
ripe	9
ripeness	1
salad	1
seed	5
sickness	1
sour	4
south	1
spring	1
stalk	1
stand	1
stems	1
store	1
strawberries	2
strawberry	1
summer	2
swallow	1
sweet	24
sweets	1
table	3

taste	5
tree	25
trees	27
vegetable	75
vegetables	28
watermelon	1
wine	1

## 17. BUTTERFLY

air	1
airiness	1
airy	2
animal	24
animals	2
ant	2
beast	1
beautiful	24
beauty	20
bee	31
bees	4
beetle	5
bird	64
birds	10
black	2
blossom	1
blue	1
bread	2
bright	1
brilliant	2
brown	1
bush	1
butter	3
buttercup	6
bug	11
bugs	1
bumblebee	1
cabbage	1
caterpillar	37
caterpillars	1
chase	1
chrysalis	3
cocoon	6
cocoons	1
collection	4
color	12
colors	8
colored	3

country	2
cricket	1
daisy	1
dish	1
dove	1
dress	1
dust	1
eagle	1
ease	1
ephemeral	1
fairy	1
field	2
fields	1
firefly	1
flies	6
flight	2
flippant	1
flittering	1
flitting	1
flits	1
flower	13
flowers	12
flutter	2
fluttering	1
fly	44
flying	20
gaudy	1
gauze	1
gay	2
girl	2
gnat	2
golden	3
good	1
grace	2
graceful	1
grass	1
grasshopper	5
grasshoppers	2
grub	5
handsome	1
happy	1
high	1
horse	1
human	1
idler	1
insect	261
insects	2

Japanese	1
kite	1
lady	1
lepidoptera	8
light	5
lightness	2
lilies	1
little	1
meadows	1
metamorphosis	1
miller	4
monarch	1
mosquito	8
motion	1
moth	30
moths	1
mountains	1
mourning cloak	1
nature	2
net	6
nets	1
nice	2
orange	1
outdoors	1
pancake	1
pig	1
pigeon	2
plumage	1
powder	1
pretty	30
red	1
small	2
snakes	1
snare	1
soul	1
sparrow	1
speckled	1
spider	9
spotted	2
spring	5
summer	17
sun	1
sunshine	6
swallow	1

sweet	1
swift	1
temporary	1
tree	1
two	1
useless	1
vanity	2
variegated	1
wasp	11
white	2
wind	1
wing	11
wings	81
word	1
worm	12
worms	2
yellow	37

#### 18. SMOOTH

apple	2
ball	1
basin	1
bed	2
board	9
butter	1
calm	4
carpet	1
character	1
cheek	1
chip	1
circus	1
clean	2
clear	8
cloth	3
clothes	1
coarse	2
coat	1
country	1
course	1
cream	2
cube	1
deceitful	1
deep	1



desk	1
done	1
dry	1
ease	2
easy	12
even	30
evenness	1
face	8
fair	1
feeling	1
fine	8
finished	2
flat	14
flexible	2
floor	15
folded	1
fur	2
glass	56
glassy	4
glazed	1
glide	3
gliding	1
glossy	11
good	2
goods	1
grand	1
grass	8
grease	1
ground	4
hair	3
hand	2
hard	41
harmonious	1
harsh	4
ice	14
iron	13
ironing	1
ivory	1
kind	1
lake	1
lawn	2
lens	1
level	52
lightly	1
lovely	1

machinery	1
mahogany	1
marble	10
mercury	1
mild	1
mirror	1
molasses	1
narrow	1
nice	4
nicely	1
oyster	1
paint	1
paper	9
paste	2
pat	1
path	1
pebble	1
person	1
piano	1
placid	1
plain	17
plane	23
planed	1
pleasant	5
pleasing	1
plum	1
polished	5
pressed	1
quality	1
queer	1
river	1
river	2
road	4
roads	1
roof	2
rough	277
round	2
rubber	1
rugged	1
rule	1
running	1
sailing	1
sandpaper	1
satin	2
sea	1
shape	1
sharp	1

shave	1
shiny	4
silk	4
silken	1
skin	5
sleek	2
slick	3
slippery	4
snail	2
snake	1
soft	70
softness	1
sphere	1
stone	1
straight	2
street	1
stroke	1
surface	25

table	29
thin	1
thought	1
tidy	1
tomato	1
tongue	1
touch	4
tranquil	1

uneven	2
--------	---

velvet	20
velvety	1
very	1

wall	5
walls	1
water	10
wave	1
window	1

wood	8
work	1
worm	1
wrinkled	1
wrinkles	1

## 19. COMMAND

ability	1
act	1
acting	1
anger	1

answer	1
anything	1
appeal	1
appearance	1
army	16
arrogance	1
ask	2
asking	2
athletics	1
attention	3
authority	14
baseball	1
Bible	1
bid	1
boss	6
boy	1
captain	7
charge	2
chief	2
church	1
combine	1
combined	1
come	5
commander	5
commandment	2
company	2
compel	1
control	8
cross	1
dare	1
demand	18
demanding	1
desire	2
determined	2
dictate	3
dictatorial	1
dignity	2
direct	2
disability	1
discipline	2
dislike	1
do	27
doing	3
domineer	2
domineering	2
done	2
don't	2
door	1
drill	2
driver	1

duty	5
earnestness	1
easy	1
eat	1
effort	1
employ	1
employees	1
enforce	1
entreat	1
entreaty	7
exclamation	1
exertion	1
experience	1
father	1
firm	1
forbid	1
force	7
forced	1
foreman	1
gain	1
general	43
gentleness	1
gently	1
Germany	1
give	1
go	25
God	1
God's	1
good	2
govern	1
grand	1
halt	4
harsh	4
harshly	1
haughty	1
head	1
him	1
holy	1
honorable	1
horse	1
I	1
immediately	1
imperative	3
imperious	4
independent	1
insist	1
instant	1
institution	1

instruct	2
instruction	1
intelligence	1
judge	1
knowing	1
labor	1
language	1
law	2
laziness	1
lead	2
leader	1
lieutenant	1
listen	2
loud	2
love	1
madam	1
man	9
master	2
masterful	1
military	3
mind	2
mother	1
move	1
must	1
noble	1
nuisance	1
obedience	12
obedient	2
obey	230
obeyed	1
officer	30
only	1
order	171
ordering	2
orders	9
parents	1
peace	1
people	2
peremptory	2
perfect	1
person	1
plead	1
policeman	1
power	10
powerful	2
praise	1

proper	1
question	1
quick	1
refuse	2
regiment	1
reply	1
reprimand	2
request	11
respect	5
respond	1
retreat	1
right	3
rule	2
ruling	1
running	1
say	1
saying	1
school	2
severe	1
shalt	1
ship	1
soldier	16
soldiers	6
something	1
speak	3
spoken	1
stamina	1
statement	1
stern	7
strength	3
strict	1
strong	3
stubborn	1
superintend	1
superior	1
supervisor	1
surly	1
surrender	1
talk	2
teach	1
teacher	14
teachers	1
teaching	1
tell	15
telling	1
temper	3
temperament	1
thee	1
them	1

think 2  
thinking 1  
thoughtfulness 1  
threat 1  
told 2

uncomfortable 1  
upright 1

voice 6  
vow 1

wagon 1  
wife 1  
will 3  
willing 1  
words 2  
work 2  
wrong 1

you 3

## 20. CHAIR

arm 4  
article 4

back 1  
beauty 1  
bed 1  
bench 13  
book 1  
boy 1  
broken 2  
brown 4  
bureau 1

cane 3  
caning 1  
careful 1  
carpet 1  
cart 1  
color 1  
comfort 21  
comfortable 8  
convenience 3  
couch 5  
crooked 1  
cushion 12  
cushions 1

desk 9



ease 7  
easy 6

fatigue 1  
floor 10  
feet 1  
foot 1  
footstool 1  
form 1  
furniture 83

#### Governor Winthrop 1

hair 1  
hard 5  
hickory 2  
high 4  
home 2  
house 3

idleness 1  
implement 1

joiner 1

large 3  
leg 7  
legs 11  
lounge 3  
low 3  
lunch 1

mahogany 3  
massive 1  
mission 1  
Morris 5  
myself 1

necessity 2

oak 2  
object 1  
occupy 1  
office 1

people 1  
person 3  
place 1  
placed 1  
plant 1  
platform 1  
pleasant 1

pleasure	1
posture	1
reading	1
rest	45
resting	3
rocker	17
rocking	15
room	9
rounds	2
rubber	1
rung	3
seat	127
seated	5
seating	2
settee	3
sit	107
sitting	56
size	1
sofa	6
soft	5
spooning	1
stand	1
stool	38
stoop	1
study	1
support	1
table	191
tables	1
talk	1
teacher	1
timber	1
tool	1
upholstered	1
upholstery	1
use	2
useful	3
white	1
wood	49
wooden	6

## 21. SWEET

agreeable	5
appetizing	1
apple	11
apples	3

beautiful	3
bitter	50
black	1
breath	1
candies	1
candy	82
cherries	1
child	1
chocolate	3
chocolates	1
clean	2
confectionery	1
cream	1
cunning	1
delicious	7
dessert	1
dinner	1
dog	1
dreams	1
E.	1
eat	2
elegant	1
eyes	1
face	1
flavor	2
flower	2
flowers	3
food	1
fresh	1
fruit	9
gentle	1
girl	6
good	26
harsh	2
honey	12
hunger	1
Huyler's	1
insipidity	1
kiss	2
limited	1
lovely	1
loving	1
low	2

Mary	1
mellow	1
melody	1
milk	2
molasses	1
mouth	1
music	8
musty	1
name	1
nausea	1
nice	33
orange	1
oranges	2
palatable	9
peach	3
peaches	1
perfume	3
pie	2
plausible	1
pleasant	31
pleasing	4
pleasurable	1
pleasure	1
plum	1
preserves	1
quality	1
saccharine	1
salt	3
salty	1
sharp	1
sickish	1
sixteen	2
soft	6
soothing	1
sour	301
stuff	1
sugar	224
syrup	2
taste	57
tasteful	4
tasting	2
tasty	11
tea	1
toothsome	2
ugly	1
unpleasant	1

very 1  
voice 1  
  
wholesome 1

## 22. WHISTLE

act 1  
action 1  
air 7  
alarm 3  
annoyance 3  
attention 2  
automobile 1

bad 1  
bell 2  
bird 15  
birds 3  
blast 1  
blew 5  
blow 95  
blowing 6  
blows 2  
boat 2  
boy 56  
boys 5  
breath 1  
bright 1  
brother 1  
buzzing 1

call 26  
calling 2  
cars 2  
cent 1  
chain 8  
children 1  
clean 1  
clear 1  
come 1  
conductor 1  
crow 1  
cry 2  
cuckoo 1

dance 3  
dear 1  
disagreeable 1  
distant 1  
dog 7

drink	1
dumb	1
ear	1
echo	3
effort	1
engine	15
factory	2
fife	3
fingers	1
fire	3
flute	5
fly	1
Franklin	2
fun	2
funny	1
Galton	1
girl	1
habit	1
happiness	3
harmony	1
harsh	1
holler	5
hollow	1
horn	4
humming	1
instrument	6
joy	2
lad	1
laugh	3
letter-carrier	1
lips	5
locomotive	5
long	3
loud	27
low	1
man	1
mash	1
melodious	1
metal	1
mill	2
mine	1
mocking	1
mouth	27
music	44

nice	3
nightingale	1
noise	173
noisy	3
note	1
notes	1
person	1
piercing	1
pipe	7
pleasure	2
police	1
policeman	6
postman	1
postman's	1
pretty	1
pucker	4
quiet	1
racket	2
report	1
running	1
scream	1
screech	1
sharp	5
shout	4
shrieking	1
shrill	26
shrillness	1
signal	3
sang	1
sing	75
singing	4
soft	1
softly	1
song	12
songs	1
sorority	1
sound	108
sounds	1
steam	3
steamboat	1
stick	1
talk	4
telephone	1
throat	1
tin	7
tool	1
top	1

toy	4
train	6
tree	1
trumpet	2
tune	18
umpire	1
unpleasant	1
vibration	1
voice	3
warble	1
warning	1
whisper	1
whispering	1
willow	8
wind	10
wood	1
wooden	1
work	1
yell	1

### 23. WOMAN

adult	2
affinity	1
aged	1
angel	2
appearance	1
appreciating	1
artificial	1
baby	1
Barnard	1
beautiful	17
beauty	7
being	9
Bible	1
biped	1
body	3
bonnet	1
boy	3
bright	1
capability	1
cat	1
character	1
child	45
children	2
clean	2



clever	1
clothes	6
clothing	1
comfort	2
companion	1
creature	4
cross	1
dear	1
deceit	1
delicate	1
delightful	1
develop	1
dignity	1
dinner	1
domestic	1
dress	28
dresses	4
dressmaker	1
dust	1
Edna	1
endurance	1
Eve	2
eyes	1
fair	9
fashion	3
female	134
feminine	10
flesh	2
figure	1
fine	2
freedom	1
friend	3
genteel	1
gentle	5
gentleness	1
girl	59
girls	3
goddess	1
good	4
goodness	1
gown	1
grace	3
graceful	2
grand	2
grandmother	1
great	2
hair	9

handsome	4
hat	5
hats	1
helper	1
helpmate	3
her	1
home	3
honor	1
house	2
housekeeper	1
housewife	1
human	11
humanity	2
inexplicable	1
individual	1
intellect	1
interesting	1
kind	5
kindness	1
labor	2
lady	41
large	4
leader	1
liar	1
living	1
lovable	1
love	5
loveliness	1
lovely	3
loving	1
Mabel	1
maid	1
majesty	1
man	292
mankind	2
marriage	2
married	2
mate	2
modesty	1
mother	30
Mrs. S.	1
myself	1
nature	1
necessity	1
nice	3
noble	1
nurse	1

old	1
palmist	1
parasol	1
people	1
perfection	1
person	17
petticoats	1
pleasure	3
pretty	10
purity	1
rib	1
sex	5
short	5
sister	4
skirt	3
skirts	3
slender	2
small	1
softness	1
spiritual	1
stout	2
style	2
suffrage	1
sweet	2
sweetness	2
sweetheart	1
talk	1
tall	7
teacher	1
temporary	1
truth	1
uneasy	1
use	1
virtue	2
waist	1
walks	1
weak	1
weakness	2
wife	15
will	1
womanhood	1
work	2

you 5  
young 4

#### 24. COLD

activity 1  
agreeable 2  
air 4  
arctic 1  
atmosphere 4  
autumn 1

bad 2  
bitter 4  
bracing 1  
breezy 1  
brisk 1  
bum 1

chill 9  
chilly 30

clothes 2  
clothing 1  
coal 1  
coat 5  
comfort 2  
comfortable 1  
comfortless 1  
cool 5  
cough 5  
cure 2

damp 2  
dark 4  
darkness 1  
day 5  
death 1  
degree 1  
disagreeable 6  
discomfort 8  
dreary 3

feel 1  
feeling 10  
feet 1  
Finland 1  
fire 6  
fold 1  
freeze 7  
freezing 23  
frigid 2

frost	9
frozen	4
fuel	1
furs	2
grippe	1
gloomy	1
ham	1
hands	1
hard	2
head	2
hearted	1
heat	37
hot	151
ice	114
ice-cream	1
irritating	1
January	1
latitude	1
lemonade	1
light	2
man	2
medicine	1
misery	1
mushroom	1
nature	1
naughty	1
near	1
never	1
night	1
numb	1
numbness	1
overcoat	1
pain	1
Peary	1
penetrating	2
pleasant	1
pressure	1
quiet	1
raw	1
refrigerator	1
rhinitis	1

room 1  
running 1  
rough 1  
  
sensation 1  
severe 5  
sharp 3  
shiver 6  
shivering 2  
shivers 1  
shivery 1  
shrivel 1  
shudder 1  
sick 4  
sickness 6  
skating 1  
sleighing 1  
slow 1  
sneezing 1  
snow 45  
snuffles 1  
stone 1  
storm 1  
stove 3

temperate 1  
temperature 8  
thermometer 1  
touch 1

uncomfortable 10  
unpleasant 4

warm 166  
warmth 6  
water 7  
weather 49  
well 1  
white 1  
wind 5  
windy 1  
winter 120  
wraps 1

zero 2

25. SLOW

action 1  
age 1  
anger 1  
animal 2

ant	1
anxiety	1
association	1
automobile	1
awful	1
baby	2
backward	3
backwards	1
bad	1
bear	1
beggar	1
behind	1
better	1
Bill	1
boat	3
boring	1
boy	2
breakdown	1
camel	1
canal boat	1
car	6
cars	2
careful	1
carpenter	1
cart	1
catch	1
caterpillar	2
caution	1
child	1
climb	1
clock	5
coach	3
conversation	1
cow	1
crawl	1
creep	1
creeping	2
dead	1
decrease	1
delay	2
deliberate	1
dilatory	2
distance	1
dizzy	1
donkey	1
drag	1
dragging	1
dreary	2
dressing	1

drive	1
driver	1
drone	1
Dr. R.	1
dull	7
ease	2
easy	63
Erie	1
fast	316
feeble	1
fine	1
fire	1
fly	1
foot	1
funeral	1
gait	3
gin	1
going	1
hard	2
haste	3
hasty	2
heavy	1
horse	14
hot	1
hurry	3
impatience	1
inactive	1
inaction	1
incessant	1
indecision	1
insect	1
invalid	2
irritating	1
laggard	1
lagging	1
lassitude	1
late	2
laziness	2
lazy	28
lecture	1
leisure	1
lingering	1
long	6
man	3
march	1
market	1



me	3
medium	1
mice	1
mind	1
mode	1
moderate	1
molasses	20
monotonous	1
moon	1
motion	7
motionless	1
move	1
movement	8
moving	5
Mr. T.	1
mule	3
music	3
myself	3
nasty	1
nature	1
obstacle	1
old	2
ox	2
oxen	1
pace	1
papa	1
person	8
Philadelphia	2
poke	1
poky	2
Poughkeepsie	1
pupil	1
quality	1
quick	55
quickly	2
quickness	1
quiet	12
rain	1
rapid	9
rhythmic	1
river	1
Rose	1
run	2
sharp	1
short	1
sick	1

sickness	1
slack	1
sloth	2
slowly	1
sluggish	7
smart	10
smooth	1
snail	62
snails	1
snake	1
softly	1
speech	2
speed	7
speedless	1
starting	1
step	2
still	3
stop	3
stubborn	1
stupid	7
subway	1
sure	27
swift	8
swing	1
talk	1
tardy	3
team	1
tedious	1
terrapiin	1
thought	1
thoughtful	1
tide	1
time	14
tired	5
tiresome	2
tortoise	4
train	18
trains	1
trolley	1
turtle	9
unpleasant	2
unsatisfactory	1
vehicle	1
wagon	7
walk	8
walking	7
walks	1

water	1
waves	1
weak	2
weather	1
wheel	1
white	1
work	1
working	1
world	1
worm	3
writing	1
you	1

## 26. WISH

accomplish	1
accomplishment	1
achieve	1
Aladdin	1
ambition	2
angel	1
answer	1
anxiety	1
anxious	1
any	1
anything	7
apology	1
ardent	1
ask	8
asking	1
attain	1
baby	1
beg	2
benefit	1
best	1
better	1
bone	19
books	1
boy	1
boys	1
breakfast	1
brightness	1
candy	1
cannot	1
check	1
chicken	2
child	2
Christmas	3

clover	1
clovers	1
cold	1
come	2
comfort	4
command	9
conditions	1
cool	2
craving	1
demand	2
desirable	1
desire	197
desires	1
diamond	1
disappoint	1
disappointed	1
disappointment	3
dish	1
dislike	1
did	1
do	5
dog	1
doll	1
dollars	1
dream	2
dress	1
driving	1
eat	1
entreaty	1
enjoyment	1
examination	1
expectation	1
express	5
expression	1
fairy	11
fancy	2
farm	1
favor	5
feeling	1
finish	1
fish	1
fond	1
foolishness	1
for	5
fortune	2
fulfil	1
fulfilled	2
fulfilment	6
fun	1

gain	2
get	14
gift	4
girl	1
give	3
glad	1
go	4
gold	1
good	19
grant	7
granted	15
gratification	4
gratified	6
gratify	11
greetings	1
guess	2
happiness	18
happy	3
hard	1
hat	2
hate	1
have	18
health	6
hearty	1
heaven	3
heavens	1
help	1
home	12
hope	51
hoping	1
hopeful	2
house	1
idea	2
imagination	1
impossible	1
inclination	1
journey	2
joy	1
know	1
letter	2
like	8
liked	1
lonesome	1
long	10
longing	18
love	2
luck	9

make	1
marry	1
million	2
mind	4
money	32
moon	1
morning	1
music	1
myself	1
news	1
nice	1
no	1
obey	3
object	1
obtain	1
offer	1
one	1
opportunity	1
opposition	1
orange	1
order	1
perhaps	1
person	1
pick	1
picture	1
pie	1
plan	1
play	1
pleasant	1
pleasure	5
plenty	2
position	3
possess	1
possession	1
present	2
promise	2
quiet	1
reality	1
receive	1
remembrance	1
renown	1
repeat	1
request	8
rest	1
rich	1
riches	3
ring	1

sail	1
satisfactory	1
satisfied	2
satisfy	1
satisfying	1
say	2
secret	1
sincere	1
sleep	1
some	1
something	15
sorrow	1
sorry	1
speak	1
special	1
star	9
stars	2
strong	1
success	4
suggest	1
summer	2
sweetheart	1
swim	1
think	18
thinking	6
thought	47
toy	1
trip	1
trouble	1
true	6
try	1
unattainable	1
uncertain	1
unfulfilled	1
unlawful	1
unsatisfied	1
vacation	2
want	66
wants	1
wanted	1
wanting	9
waste	1
watch	1
water	1
wealth	2
well	6
will	3
wisdom	2
wise	1

wishbone 14  
wonder 2  
would 2  
wouldn't 1

yes 1  
you 1

## 27. RIVER

Amazon 1  
Androscoggin 1

bank 1  
banks 2  
barrow 1  
bathing 3  
bay 1  
beautiful 1  
beauty 1  
bend 1  
blue 6  
boat 20  
boats 3  
boating 1  
body 1  
bridge 2  
broad 5  
brook 20  
bubbling 1

Calumet 1  
camping 1  
canal 1  
canoe 3  
canoeing 1  
Chignagnette 1  
cliffs 1  
commerce 1  
Connecticut 1  
creek 10  
current 8

dangerous 1  
deep 35  
Delaware 1  
depth 1  
drowned 1

East 4

fish 1



flow	24
flows	5
flowing	17
Freiberg	1
front	1
God	1
Grand	1
green	1
Hudson	33
island	1
Jordan	1
lake	65
lakes	1
land	5
large	7
launch	1
length	1
life	1
liquid	1
long	8
meadow	1
Mississippi	8
Mississquoi	1
Missouri	1
Mohawk	1
motion	1
mountain	10
moving	2
ocean	17
Ohio	2
Ottanqueehee	1
Owasco	1
Pacific	1
peace	2
Piscatague	1
plain	1
pleasure	1
pond	5
rain	1
Rappahannock	1
rapid	2
Rhine	1
rill	1
rivulet	2

rivulets	1
row	1
rowing	1
run	3
runs	3
running	11
rushing	1
Saco	1
sailing	4
salt	1
sea	14
shallow	2
Shannon	1
shining	1
ship	4
ships	1
side	1
sky	1
slow	2
small	1
smooth	7
spring	1
St. Lawrence	1
stream	117
streams	1
streamlet	1
strong	1
sunset	1
Susquehanna	2
swift	3
swim	4
swimming	4
Tay	1
tide	1
tree	1
tug	1
turbulence	1
valley	5
Ware	1
water	303
well	3
wet	2
white	3
wide	5
winding	2
winds	1

## 28. WHITE

almost	1
apron	2
baby	1
beach	1
beautiful	1
beauty	1
bird	1
black	308
bleached	1
blue	9
boat	1
Bob	1
body	1
bride	1
bright	4
brightness	1
Broadway	1
brown	2
cat	2
cerement	1
chair	1
chalk	3
cheerful	1
cherries	1
clean	10
cleanliness	2
cleanness	1
clear	2
cloth	17
clothing	1
cloud	4
clouds	2
coat	1
color	170
colored	1
colorless	11
cotton	3
cream	1
curtain	2
curtains	1
dark	35
darkness	1
day	1
daylight	1
dazzling	2
delicate	1
dove	2
dress	34

dresses	1
easy	2
evening	1
face	1
feathers	2
flag	2
flower	2
garment	2
ghost	1
glare	1
good	1
gray	2
green	6
hall	1
handkerchief	2
hands	1
hard	1
horse	2
house	4
innocence	1
lady	1
lawn	1
lead	1
lemon	1
lie	1
light	51
linen	3
lovely	1
man	2
marble	1
milk	9
Mountain	1
Mountains	1
muslin	8
napkin	1
nearly	1
nice	2
paint	5
pale	2
paper	17
pencil	1
person	2
pigeon	1
pink	2

pleasing	1
powder	1
pretty	1
pure	20
purity	19
race	1
red	7
restful	1
retired	1
ribbon	1
rightness	1
rose	2
sand	1
Sarah	1
shade	1
sheet	6
shoes	1
shroud	1
silvery	1
simple	1
skirt	1
sky	2
snow	91
snowflake	1
snowy	1
soft	1
soul	1
space	1
spread	1
still	2
summer	1
sunlight	1
swan	1
tablecloth	4
tent	1
tile	1
trees	1
trousers	1
waist	2
wall	6
wash	1
wedding	2
yellow	7

## 29. BEAUTIFUL

admirable	1
-----------	---

admiring	1
aesthetic	1
all	1
ancient	1
appearance	2
art	6
article	1
artistic	1
attractive	1
baby	1
bird	1
birds	1
brilliant	1
building	1
butterfly	2
carpet	1
carving	1
charming	7
child	6
city	1
classic	1
clear	1
clouds	1
color	1
colors	1
comely	3
common	1
complexion	3
conceited	1
country	3
curtain	1
dainty	1
day	7
delicious	1
delightful	5
description	1
desire	1
divine	1
dress	2
earth	1
elegant	5
enjoyed	1
ethereal	1
Eunice	2
Evelyn	1
everything	1
exquisite	4
eye	1
eyes	2

face	3
fair	5
falls	1
fancy	2
fascinating	1
fine	8
flower	13
flowers	42
foliage	1
forest	1
Formosa	1
fragrant	1
friend	2
gift	1
girl	24
glorious	2
God	2
good	4
gorgeous	2
graceful	1
grand	40
grandeur	2
grass	1
grounds	1
hand	1
handsome	86
happy	1
hard	1
hateful	1
heaven	2
heavens	1
hideous	1
hills	2
homely	27
horrible	1
joy	1
kind	1
lady	5
lake	1
landscape	7
lightness	1
long	1
look	1
looks	1
looking	1
lovable	2
lovely	64

luxurious	1
magnificent	10
maiden	2
man	2
mansion	1
money	1
morning	1
mountain	2
mountains	6
music	4
myself	1
nature	16
Niagara	1
nice	73
nicely	1
night	1
noble	1
object	1
ocean	3
Palisades	2
pansies	1
park	1
peacock	3
perception	1
perfect	3
perfection	1
person	2
picture	19
pictures	4
place	1
plain	2
pleasant	14
pleasing	16
pleasure	2
pretty	113
queen	1
rainbow	1
religion	1
resplendent	1
ribbon	1
rich	1
robin	1
rose	6
roses	2
sad	1
satisfaction	1



scarce	1
scene	1
scenery	23
school	1
sculpture	1
sensitive	1
shapely	1
sight	1
sky	16
soft	1
sometimes	1
soothing	1
sorrowful	1
splendid	8
statue	1
straw	1
summer	2
sun	1
sunset	8
sunshine	1
superb	1
supreme	1
sweet	4
symphony	1

things	2
tree	4
trees	10

ugliness	2
ugly	66

vanity	1
verdure	1
violets	1

weather	4
wife	1
woman	29
women	1
wonderful	1
world	2

you	1
-----	---

### 30. WINDOW

air	12
airing	1
airy	1
aperture	2
awning	1

bars	1
blind	4
breeze	1
bright	3
broken	2
cage	1
casing	3
children	1
church	1
clean	6
cleaner	1
clear	7
colored	1
cool	1
curtain	13
curtains	4
danger	1
dirty	2
door	57
doors	1
doorway	1
draught	1
eyes	1
few	1
frame	5
garden	1
glass	316
glasses	1
hole	4
home	1
house	22
joyful	1
landscape	2
large	11
lattice	2
ledge	1
light	186
look	15
looking	5
low	1
Newcastle	1
object	1

open	19
opened	1
opening	16
outdoors	1
outlook	5
pane	82
panes	6
picture	1
porch	1
rain	1
rock	1
room	3
sash	20
scene	2
scenery	3
school	2
screen	1
screens	1
seat	1
see	9
shade	8
shades	2
shed	1
shining	1
sight	7
sightly	1
sill	13
sky	1
skylight	3
small	1
square	1
stained	2
stop	1
street	1
structure	1
sun	3
sunshine	2
thing	1
translucent	1
transom	1
transparent	24
trees	2
useful	2
vast	1
ventilation	5
ventilator	2
view	15

viewing	1
visible	1
vision	1
wall	4
wash	1
wide	2
winter	2
wood	1

### 31. ROUGH

bad	4
bag	1
ball	1
basket	1
bear	1
blisters	1
blow	1
board	10
boards	1
boisterous	4
bold	2
boy	4
boys	4
bristle	1
brush	2
brutal	3
brutality	1
bumpy	1
calm	2
careless	1
carpet	2
chaps	1
cloth	4
coarse	29
coarseness	1
cobblestones	1
cold	1
country	2
crooked	2
cross	1
cruel	1
desert	1
difficult	1
dirt	1
disagreeable	8
discomfort	1
discouraging	1

dog	1
dress	1
dry	3
dull	1
earth	2
easy	2
even	2
land	1
face	1
fast	1
file	7
fine	2
floor	6
football	2
forest	1
gambler	1
genteel	1
gentle	8
girl	1
granite	1
granular	1
grater	1
grating	1
gravel	1
ground	8
hairy	1
hall	1
hand	2
hard	38
hardness	1
harsh	10
harshness	1
haste	1
hill	2
hills	2
hilly	5
horrid	1
house	1
porcupine	1
ice	3
impertinent	1
injurious	1
iron	2
irregular	2
jagged	1
knife	1
late	1

level	3
lurk	1
lump	1
man	8
manner	1
manners	1
material	1
me	1
mean	1
mild	3
mountain	6
mountains	1
nice	1
noisy	1
obstetricians	1
ocean	27
orange	1
paper	1
pavement	1
peasant	1
pebbles	1
person	2
picture	1
pineapple	1
plane	2
plank	1
play	1
poor	1
stern	1
push	1
stone	12
quality	1
quiet	1
quite	1
radiator	1
ragged	5
railway	1
rasp	1
ready	5
refined	1
rider	1
riders	1
river	1
road	21
roads	5
rock	10
rocks	10

rocky	12
rowdy	1
ruddy	1
rude	7
rudeness	1
rug	1
rugged	22
ruggedness	1
Russian	1
rut	1
sand	5
sandpaper	13
savage	1
sea	15
sedate	1
scratch	1
shock	1
sliver	1
slow	1
smooth	346
smoothness	2
soft	4
sponge	1
west	1
sticky	1
wind	2
stones	3
stony	7
storm	5
stormy	1
straight	1
street	3
surface	6
table	4
tempestuous	1
tongue	2
touch	2
tough	2
towel	1
tramp	4
trouble	1
tumble	1
turbulent	1
ugly	4
uncomfortable	4
uncouth	4
uneasy	1
uneven	38
unfairness	1
unfinished	1

unpleasant 7  
unsatisfactory 1  
untaught 1

voices 1  
voyage 2  
vulgar 5

walk 2  
wall 1  
washing 1  
water 21  
waves 5  
weary 1  
weather 4

wild 2

winds 1  
wood 7  
woodsman 1  
work 1  
world 1  
wrong 1

## 32. CITIZEN

alien 14  
America 5  
American 35  
Americans 3  
army 1  
arrived 1

belong 4  
belonging 1  
beloved 1  
beneficial 1  
bird 1  
born 3  
Brooklyn 1  
brother 1  
business 1

C. 1  
candidate 1  
capital 1  
cat 1  
cistern 1  
citizeness 1  
city 27  
civies 4



civilian	2
civilized	4
clothes	1
club	1
commander	1
community	3
comrade	1
conspirators	1
constitution	1
cosmopolitan	1
countrified	1
country	17
countryman	7
criticise	1
democrat	1
duties	2
duty	3
dweller	1
dwelling	1
ear	1
election	1
eligible	1
emigrant	2
emigration	1
F.	1
faithful	1
farm	1
farmer	3
fellow	3
fellowship	2
fine	1
five	2
fool	1
foreign	1
foreigner	12
free	1
freeman	2
friend	1
friendship	1
gardener	1
gentleman	8
German	3
good	26
government	6
green	1
helper	1

home 3  
honest 3  
honor 1  
honorable 2  
human 3

I 1  
immigrant 1  
independence 1  
indian 1  
individual 4  
inhabit 1  
inhabitant 23  
invader 1  
Italian 1

justice 2

K. 1  
king 1

large 1

law 11  
laws 1  
lawyer 3  
leader 1  
leading 1  
legislature 1  
Lincoln 1  
little 1  
live 1  
lives 1  
loyal 3

male 7  
man 278  
manhood 1  
mayor 5  
me 1  
member 5  
men 2  
merry 1  
moral 1  
Mr. A. 1  
Mr. C. 1  
Mr. S. 1  
municipal 1  
myself 1

name 1  
nationality 1

native	25
natural	1
naturalization	1
naturalized	5
navy	1
near	1
neighbor	3
newspaper	1
New York	4
noble	1
nobleman	2
nonsense	1
obedient	1
obey	1
occupant	1
office	2
officer	1
old	1
orderly	1
outlaw	1
paper	2
papers	2
patrician	1
patriot	2
patriotic	2
peasant	1
people	41
person	64
plebeian	1
policeman	2
politician	4
politicians	1
politics	8
poor	1
president	4
proud	1
relative	1
republic	3
republican	1
residence	2
resident	20
respectable	1
revolution	1
righteousness	1
Roman	2
Roosevelt	2
ruler	1
season	1
ship	1

soldier 5  
state 10  
statesman 5  
stationed 1  
straight 1  
subject 5  
suburban 1  
suffrage 3  
suffragette 2

Taft 3  
Tammany 1  
taxes 1  
Teddy 1  
thoughtful 1  
tough 1  
town 5  
townsman 5

undesirable 2  
unit 1  
United States 19  
useful 2

village 2  
vote 13  
voting 4  
Voter 35

Washington 1  
woman 2  
work 2

years 1

### 33. FOOT

anatomy 2  
animal 2  
ankle 11  
appendage 2  
arm 11

baby's 1  
base 1  
bicycle 1  
big 2  
black 3  
body 34  
bone 4  
bones 5

boot	6
bottom	1
broken	1
brown	1
careful	1
comfort	3
corn	3
corns	2
dainty	1
difficult	1
distance	1
expansive	1
extremity	9
finger	1
firm	1
flat	1
flesh	6
football	1
foundation	3
gear	1
girls	1
going	1
good	1
ground	2
hand	185
hands	5
head	7
heel	3
help	1
helper	1
horse	1
house	1
human	1
humility	1
hurt	1
inch	3
inches	2
kick	4
knee	2
labor	1
lame	1
large	14
leg	54
legs	1

length	2
limb	58
long	2
man	5
measure	3
member	10
mine	1
Miss F.	1
movement	2
music	1
nail	1
naked	1
necessity	2
needful	1
organ	1
pain	1
painful	1
part	2
pavement	1
pedal	3
pedant	1
pedestal	1
pedestrian	1
person	5
plaster	1
quadruped	2
rheumatism	1
right	1
rubber	1
rule	4
ruler	1
run	2
shape	1
shoe	146
shoes	17
short	4
size	1
skin	1
slipper	2
small	22
sole	1
sore	8
speed	1
stability	1
stand	6
standing	1

standard	1
step	6
stepping	1
stocking	2
stone	1
strength	1
strong	1
stumps	1
support	1
swiftness	1

three	1
tired	5
toe	30
toes	41
travel	2
trod	1
twelve	1
two	1

useful	5
--------	---

velocity	1
----------	---

walk	106
walking	38
warm	1

yard	1
------	---

#### 34. SPIDER

abhorrence	1
afraid	1
animal	38
annoyance	1
ant	3
arachnida	2
arachnoid	1
awful	1

bee	3
bees	2
beetle	4
big	1
bird	2
bite	20
black	8
breakfast	1
bug	58
bugs	2

butterfly	5
camp	1
caterpillar	3
centipede	1
chills	1
climb	1
cobweb	12
cobwebs	2
country	1
crawl	14
crawls	1
crawling	11
crawly	1
creature	2
creep	6
creeps	1
creeping	7
creepiness	1
creepy	5
cricket	2
cringe	1
cross	1
crow	1
cunning	1
daddy-long-legs	1
danger	1
dangerous	4
dark	2
dirty	1
disagreeable	3
displeasure	1
dread	1
evil	1
fear	3
fish	1
flies	4
fly	136
fright	1
fry	1
frying	1
grass	1
harlequin	1
harmful	1
horrible	1
horrid	4
horror	3



industry	1
insect	276
jumping	1
large	5
leg	3
legs	27
loathsome	1
long	1
Miss Muffet	1
mosquito	1
moth	1
movements	1
nasty	3
nest	1
net	2
nuisance	1
objectionable	1
obnoxious	1
octopus	1
pain	1
pan	1
pest	1
poison	10
poisonous	1
pretty	1
rats	1
Robert Bruce	2
roach	1
room	1
shivers	1
shudder	1
sinister	1
small	2
snake	1
snakes	1
sparrow	1
sting	7
stings	1
stung	1
study	1
tarantula	3
thing	1
thread	2
tortoise	1

treachery	1
tree	1
ugly	6
undesirable	1
unpleasant	1
venomous	2
vermin	1
walk	1
wall	1
wasp	6
watching	1
weaves	2
weaving	1
web	188
webs	3
wiggly	1
worm	4
young	1

### 35. NEEDLE

article	3
blood	1
book	2
broken	1
button	1
buttons	1
camel	1
cloth	4
clothes	2
coat	2
cotton	7
crocheting	1
cut	1
darning	4
diligence	1
dressmaker	2
embroidery	1
eye	17
fine	3

handy	1
help	1
hole	1
home	1
housewife	1
hurt	2
hypodermic	2
implement	5
industry	2
instrument	26
knitting	4
labor	1
long	1
magnetic	1
material	1
mending	1
metal	3
nail	1
ornament	1
patching	1
pin	147
pins	11
pincushion	1
point	50
pointed	9
prick	10
pricks	1
pricking	2
sew	134
sews	1
sewing	107
sharp	152
sharpness	4
shiny	1
slippers	1
small	2
steel	53
sting	2
stitching	1
surgeon	1
tailor	1
thick	2
thimble	15
thin	2

thread	100
tool	5
use	1
using	1
useful	12
weapon	1
wire	1
woman	1
work	6

### 36. RED

aggravating	1
anarchist	1
anger	2
apple	13
apples	3
ball	1
banner	1
barn	2
beauty	2
becoming	1
black	61
blood	71
bloody	1
blossom	1
blue	99
book	8
bravery	1
brick	3
bricks	2
bright	40
brightness	2
brilliant	3
brook	1
brown	7
building	1
bull	2
cap	1
cape	1
carpet	1
ceiling	1
cheeks	1
cheer	1
cherries	1
closet	1
cloth	8

clouds	1
coat	2
color	254
colors	1
colored	1
coloring	1
comfortable	1
Cornell	1
cow	1
crimson	2
curtain	2
danger	14
dark	6
dashy	1
dislike	1
dress	18
eat	1
Ed	1
fiery	2
fire	81
flag	16
flannel	3
flashy	1
fright	1
flower	2
flowers	1
flushing	1
garment	1
garnet	3
gaudy	1
glaring	2
glass	1
globe	1
glow	1
grass	1
green	30
hair	6
handsome	1
hat	1
head	2
healthy	1
heat	4
Hereford	1
holly	1
hood	1
horse	1
hot	5
house	2

Indian	2
ink	4
iron	1
jacket	1
lavender	1
light	1
lips	1
maroon	1
Mars	1
mixture	1
moon	1
object	1
objectionable	1
offensive	1
orange	1
paint	5
paper	4
passion	1
pencil	1
pink	1
plush	1
poinsettia	1
pretty	2
purple	6
ribbon	3
riding	1
robin	3
rose	15
rosy	3
rug	2
scarlet	3
shoe	1
sky	2
smooth	1
soldier	1
spots	1
story	1
sun	5
sunset	3
sweater	1
tablecloth	1
thread	4
tie	1

tomatoes	1
turkey	2
vivid	1
war	1
warm	6
warmth	3
whiskey	1
white	97
wool	1
world	1
yarn	1
yellow	15

### 37. SLEEP

awake	94
awaking	1
awaken	3
awakening	1
baby	2
beautiful	1
bed	75
bedstead	1
calm	2
chance	1
child	2
children	1
coma	1
comfort	30
dead	2
death	7
deep	5
desire	1
desperate	1
dope	1
dormitory	2
dose	1
doze	4
dream	28
dreams	10
drowsy	6
drowsiness	3
dullness	1
ease	3

easy	4
eat	4
enjoyable	1
enjoyment	1
enough	1
experiment	1
eyes	10
fast	1
fatigue	2
fine	1
forgetfulness	2
gentle	1
girl	1
go	1
good	5
habit	1
happiness	1
health	3
heavy	1
home	1
insomnia	2
lady	1
leisure	1
lain	1
lie	3
living	1
luxurious	1
luxury	1
mesmerism	1
midnight	1
myself	1
natural	1
necessary	4
need	1
needful	1
nice	1
night	40
peace	1
peaceful	1
peacefulness	2
perfect	1
pillow	5
pleasant	3



plenty 1  
poorly 1  
potassium 1  
profound 2

quiet 8  
quietness 2  
quietude 1

rage 1  
recline 2  
reclining 1  
refreshing 7  
refreshment 2  
relax 1  
repose 31  
rest 300  
resting 14  
restful 9  
restless 4  
restore 1  
restorer 2  
retiring 1  
rise 1  
rising 1

senses 1  
Shakespeare 1  
sheet 1  
shut 1  
silence 1  
sleeplessness 1  
sleepy 1  
slumber 20  
slumbering 2  
snore 4  
soft 1  
solace 1  
song 1  
soothing 2  
sound 16  
soundly 3  
still 2  
sweet 3

thinking 1  
tired 26  
tiresome 1

unconscious 12  
unconsciousness 7

wake	60
wakefulness	4
wakened	1
wakening	1
waking	4
walk	2
wanting	1
watchful	1
weariness	3
weary	1
well	1
woman	1

### 38. ANGER

abuse	1
aggravated	1
aggravation	2
agony	1
amiability	2
amiable	1
angry	6
anguish	2
annoyance	1
annoyed	3
appearance	1
aroused	1
awful	1
bad	13
bitter	2
bitterness	3
blow	1
blows	1
blush	1
boy	3
breathing	1
calm	7
calmness	1
cat	2
catching	1
cause	2
character	1
cheer	1
child	1
children	1
cholera	1
cold	1
command	3

compose	1
control	5
cool	1
cranky	1
crazy	1
cross	44
crossness	2
covetous	1
cruel	1
cry	1
danger	1
deliberation	1
despise	1
devil	1
disagreeable	4
disappointed	1
disappointment	2
discomfort	3
dishonor	1
dislike	1
disobedience	1
disobedient	1
displeased	2
displeasure	2
disturbance	3
disturbed	5
dog	4
downhearted	1
duel	1
emotion	3
enemy	2
energy	1
enmity	1
excitability	1
excited	3
excitement	4
exclamation	1
face	1
father	1
fear	9
feeling	4
ferocity	1
fierce	1
fiery	1
fight	8
fighting	1
fist	1
flush	1
foolish	1
foolishness	3

force 1  
forgive 1  
forgiveness 3  
frenzy 1  
fret 1  
fright 1  
frown 1  
frowning 1  
fun 1  
furious 2  
fury 4

gentle 2  
gentleness 3  
giant 1  
girl 1  
glad 4  
gladness 2  
good 2  
great 1  
grief 3  
grieve 1  
grouchy 2

happiness 4  
happy 2  
harsh 3  
haste 2  
hasty 3  
hate 9  
hateful 1  
hatred 26  
headache 1  
horrid 1  
horror 1  
hot 3  
hot-headed 1  
house 1  
humor 1  
hunger 1  
hysteria 1

ill 1  
impatience 4  
impatient 3  
Indian 1  
indignant 1  
indignation 2  
insanity 1  
insult 1  
insulted 1  
intense 1  
intensity 1

intoxication	1
ire	2
irritable	1
jealousy	1
Jimmy	1
joy	4
joyful	1
judgement	1
kind	2
kindness	2
laughter	1
light	1
lion	2
little	1
loud	3
love	5
low	1
mad	121
maddest	1
madness	19
malice	2
man	6
mean	1
meekness	4
mild	1
mind	4
mirth	2
myself	2
name	1
nature	1
nerves	1
nervous	1
never	1
nice	1
noise	2
noisy	1
none	1
nonsense	1
not	1
noticeable	1
obey	1
out	1
outrage	1
pain	1
passion	51
passionate	1

patience	3
peace	6
peaceful	1
peevish	1
person	2
placid	1
pleasant	5
pleasure	4
provocation	2
provoke	1
provoked	1
provoking	2
quarrel	3
quarreling	2
quarrelsome	1
quick	4
quickness	1
quiet	6
quietness	1
quite	1
rage	16
rarely	1
rashly	1
rashness	1
raving	1
reason	1
red	3
remorse	1
resentment	2
resistive	1
rest	1
restless	1
revenge	8
riled	2
rough	3
roughness	1
rude	1
sad	1
scold	2
scolding	2
scowl	1
sedative	1
selfishness	1
sharp	1
shorn	1
sick	1
sin	1
slow	1
smooth	2

sober	1
soft	1
soldier	1
sometimes	1
soothing	1
sorrow	10
spite	1
spiteful	1
storm	1
strike	1
strong	1
suffering	1
sulky	1
swear	1
sweetness	1
sword	1
talking	1
teacher	2
tears	1
temper	149
temperament	1
terrible	1
terror	1
thought	3
torment	1
trouble	6
turbulent	1
turmoil	1
ugliness	1
ugly	4
unbecoming	1
uncomfortable	1
unhealthy	1
unpleasant	4
very	1
vexation	3
vexed	13
vicious	1
violence	1
violent	2
voice	1
war	1
wicked	5
wickedness	1
wish	1
woman	4
words	1
wrath	52
wrathful	1

wroth	2
wrong	4
yelling	1

### 39. CARPET

appearance	1
article	1

beat	1
beating	2
beater	1
beautiful	2
beautifying	1
beauty	2
bedroom	1
blue	2
bright	2
broom	1
brown	2
brush	1
brushes	1
Brussels	14

chair	1
chairs	1
clean	3
cleaning	2
cleaner	1
cloth	20
color	6
colors	1
comfort	15
comfortable	8
cotton	2
cover	27
covering	76
curtains	1

dark	1
design	6
designer	1
dirt	2
down	1
drag	1
dullness	1
dust	4
duster	1



ease 3  
electric 1  
expense 1

fancy 2  
figure 3  
flat 1  
floor 256  
flooring 2  
foot 2  
fur 1  
furnishing 1  
furniture 4

germs 1  
good 2  
goods 4  
grain 1  
gray 1  
green 8

hall 1  
heavy 3  
home 4  
house 4

ingrain 2

lay 1  
loom 1  
lot 1  
luxury 3

mat 6  
material 3  
matting 10  
mattress 1  
microbes 1  
moss 1

nail 1  
neatness 1  
nice 2  
none 1

oilcloth 7  
oriental 1  
ornament 2

parlor 3  
pattern 1  
pennant 1

pleasant 1  
plush 2  
pretty 4  
protection 2

quick 1

rag 7  
rags 3  
ragged 1  
red 8  
reddish 1  
refinement 1  
rich 1  
room 17  
rough 2  
rug 163  
rugs 14

shoes 1  
small 1  
smooth 8  
soft 78  
softness 4  
stairs 2  
stove 1  
straw 1  
sweep 7  
sweeping 3  
sweeper 10

table 1  
tack 8  
tacks 8  
tapestry 2  
textile 2  
thread 2  
tread 2

use 2  
useful 1

velvet 9

walk 15  
walking 6  
wall 1  
Wanamaker 1  
warm 2  
warmth 5  
weaver 1  
weaving 1  
wear 1

white	1
wide	1
wood	1
wool	10
woolen	7
worsted	1
woven	2

#### 40. GIRL

ankles	1
Annie	1
associate	1

baby	1
Beatrice	1
beautiful	8
beauty	6
being	9
belt	1
big	1
biped	1
blonde	1
blooming	1
book	1
boy	350
boys	3
braids	2
bright	1

changeable	1
cheerful	1
child	49
children	2
childhood	2
childish	1
choice	1
class	1
classmate	1
clever	1
clothes	4
clothing	1
Coleen	1
college	1
companion	2
cook	1
cunning	1
curls	2
cute	2
dainty	2
damsel	1

dance 1  
dancing 1  
daughter 2  
delight 1  
diabolo 1  
domestic 1  
Doris 1  
Dorothy 1  
dream 1  
dress 8  
dresses 4

Effle 1  
Ethel 1  
eyes 1

fair 1  
fellow 2  
female 77  
feminine 3  
flesh 3  
flirtation 1  
Frances 1  
friend 7  
futuraity 1

garden 1  
gay 1  
gentility 1  
gentle 1  
Gertrude 1  
good 6  
grace 1

hair 3  
hand 1  
handsome 5  
happiness 1  
harmlessness 1  
has 1  
hat 3  
head 1  
here 1  
hood 1  
hoop 1  
human 7  
humanity 1

immature 1  
infant 2  
innocence 3  
innocent 1  
intelligent 1

Irene	1
jealousy	1
jolly	2
joy	2
kid	1
lady	20
large	1
lassie	1
learning	1
little	3
lively	1
Lizzie	1
love	2
loving	1
lovely	4
maid	7
maiden	13
maidenhood	1
malt	1
man	7
men	1
meek	1
mischievous	1
miss	4
Miss S.	1
modesty	1
mother	2
myself	3
neat	2
necessity	2
nice	11
niece	2
noise	1
Pelar	1
person	18
petticoats	1
play	2
pleasure	4
pretty	29
pupil	1
quick	1
rarely	1
running	1
saucy	1

school	19
servant	3
sex	4
shirk	1
silly	4
sister	6
sixteen	2
skirts	1
slender	1
slight	1
slim	1
small	8
smart	1
smartness	1
student	1
studious	1
study	3
stylish	1
summer	1
sweet	4
sweetness	1
sweetheart	2

talks	1
tall	4
thoughtless	1

ugly	1
useful	1

vanity	1
virgin	2

walk	1
water	1
weak	2
white	1
wife	1
woman	61

young	31
youngster	1
youth	24

#### 41. HIGH

above	9
air	5
Alps	1
altitude	14
ascend	1

bank 1  
beam 1  
beanstalk 1  
big 3  
bridge 1  
building 24  
buildings 2

Cathedral 1  
ceiling 4  
chair 2  
church 2  
cliff 1  
climb 1  
climbing 1  
clouds 7

deep 5  
depth 4  
dimension 1  
distance 11  
distant 3  
dizzy 2

elevated 11  
elevation 2  
erect 1  
exalted 2  
extended 1

fall 3  
falling 2  
far 1  
fast 1  
fear 2  
feet 1  
fence 3  
first 1

giant 2  
great 1

hat 1  
heaven 1  
heavens 3  
heavenward 1  
height 14  
hill 20  
hills 4  
hot 1  
house 24  
houses 1

ideal 1  
ideas 1  
immense 1

jump 2

kite 1

ladder 2

large 5

length 7

lighthouse 1

lofty 20

long 7

low 328

magnificent 1

man 1

mast 2

measure 1

medium 3

Metropolitan 1

mind 1

monument 2

mount 1

mountain 157

mountains 16

myself 1

notion 1

peak 4

pine 1

pinnacle 1

play 1

pole 8

power 1

precipice 3

reach 2

rich 1

rocky 1

roof 3

room 1

see 1

shallow 1

short 3

skies 1

sky 17

skyscraper 2

small 1



soft 1  
spire 1  
staff 1  
stand 1  
steep 13  
steeple 12  
stick 1  
stone 1  
summit 1  
swing 2

tall 57  
temperature 1  
temple 1  
top 5  
tower 12  
tree 19  
trees 4

up 26  
upward 1

valley 1  
vision 1

wall 5  
waves 1  
wind 2  
woman 1

## 42. WORKING

accomplish 1  
accomplishment 1  
active 3  
activity 1  
always 1  
ambition 1  
ambitious 5  
anxious 1  
apron 1  
attendant 1

bent 1  
book 1  
boy 2  
broom 2  
business 6  
busy 51

carpenter 1

class	3
comfort	1
complication	1
content	2
continually	2
continuous	1
cooking	1
day	6
difficult	1
digging	1
diligence	1
discomfort	1
do	2
doing	10
done	1
drawing	1
driving	1
drudge	1
dusting	1
duties	1
duty	2
earning	2
ease	2
easiness	1
easy	4
eating	2
effort	1
employed	10
employers	1
employment	4
energetic	2
energy	3
engaged	2
English	1
essay	1
exercise	15
exercising	1
exertion	3
factory	3
fair	2
faithfully	1
farm	1
fast	1
father	3
fatigue	7
fatigued	2
field	1
flowers	1
foundry	1
function	1

girl	2
good	4
hammer	2
hands	3
happiness	1
hard	105
health	2
healthy	1
hoeing	1
horse	2
hour	1
house	1
idle	44
idleness	10
idling	2
inconvenience	1
indolent	1
industrious	13
industry	8
intelligent	1
interest	1
Italian	2
job	1
keeping	1
labor	147
laboring	20
labors	1
laborer	5
lack	1
ladies	1
late	1
laziness	2
lazy	18
leisure	1
Lillie	1
little	1
live	1
livelihood	2
living	5
loaf	1
loafing	5
loafer	1
lounging	1
machine	2
machinery	1
machinist	1
making	1

man	50
men	6
model	1
money	4
morning	1
motion	3
movement	2
moving	5
mowing	1
myself	2
necessary	4
necessity	1
neighbor	1
never	1
night	1
noble	1
nothing	1
nursing	1
obstetrics	1
occupation	13
occupied	1
occupy	1
order	2
paid	1
patients	1
people	5
person	2
perspiration	1
play	8
playing	22
pleasant	1
pleasure	4
plow	1
plowing	1
policy	1
position	1
possession	1
prosperous	1
quick	1
railroad	1
reading	1
recreation	1
rest	17
resting	24
result	1
rowing	1
running	3

salary	1
satisfaction	1
saving	1
school	6
scrubbing	3
servant	2
setting	1
sewing	7
shirking	2
shop	7
shorthand	1
sickness	1
singing	1
sitting	3
slave	4
slavery	1
slaving	1
sleep	2
sleeping	8
slow	1
smart	1
starving	1
steady	2
stenographer	1
strenuous	2
struggle	1
study	5
studying	5
sweep	1
sweeping	3
swift	1
table	1
task	2
thinking	1
thought	1
time	1
tired	28
tiresome	3
tiring	1
to-day	1
toil	7
toiling	8
tools	2
treadmill	1
trouble	1
trying	2
typewriter	1
unemployed	2
useful	2
wages	4

walking 2  
washerwoman 1  
washing 5  
weariness 1  
willing 2  
woman 2  
work 1  
workman 1  
world 1  
writing 2

### 43. SOUR

acetic 1  
acid 23  
acrid 1  
anger 1  
angry 1  
apple 27  
apples 10  
astringent 1

bad 6  
beer 1  
bitter 70  
bitterness 1

cherries 3  
cider 2  
cross 1  
crowd 1  
currants 1

dangerous 1  
death 1  
delight 1  
disagreeable 18  
dislike 1  
disposition 3  
distasteful 4  
drink 1

face 1  
flavor 1  
fruit 3

gall 1  
good 4  
goodness 1  
grape 3  
grapes 36

grapefruit	2
green	1
hate	1
hurts	1
juice	1
kraut	2
lemon	78
lemons	17
lime	1
man	1
milk	31
nasty	3
naturally	1
nice	3
no	1
nourishing	1
odor	1
orange	2
painful	1
persimmon	1
pickle	15
pickles	20
pleasant	1
plum	1
plums	1
pucker	3
quince	3
rancid	1
repulsive	1
rhubarb	5
rough	1
salt	2
salty	1
sauerkraut	2
sear	1
sharp	2
soft	1
song	1
spoiled	1
stomach	1
sugar	2
sweet	349

tart 17  
taste 55  
tasting 2  
tasteless 2  
teeth 1  
turned 1  
twinge 1

ugly 4  
unhappy 1  
unpalatable 3  
unpleasant 16  
unpleasantness 1  
unsweetened 1

vinegar 91

wholesome 1  
wine 1

#### 44. EARTH

agriculture 1  
air 3  
ashes 1

ball 4  
beautiful 3  
big 2  
black 7  
body 1  
broken 2  
brown 17  
building 1

cemetery 1  
clay 71  
climate 1  
cloud 1  
coffin 1  
cold 2  
color 1  
Columbus 2  
continent 1  
corn 2  
country 2  
cover 1  
creation 1  
crunching 1



crushed	1
crust	5
damp	5
dark	10
delve	1
depth	2
dig	1
digging	2
dirt	115
dirty	4
dogs	1
dry	4
dust	9
farm	3
farming	1
fence	1
fertile	1
fertilized	1
field	4
fields	1
flag	1
floor	3
flower	1
flowers	8
foot	1
foundation	1
fresh	1
fruitful	1
Fuller's	1
garden	8
geranium	1
globe	16
grain	2
grand	1
grass	11
grave	3
gravel	2
gravity	1
great	2
green	3
greenhouse	1
ground	166
growth	1
habitation	2
hard	4
heaven	31
heavens	1
heavy	2
hell	1

hemisphere	1
home	3
house	1
huge	1
inhabitable	1
land	28
large	7
level	1
live	3
living	2
loam	3
lot	1
low	2
man	1
map	2
Mars	3
mass	1
material	1
matter	1
metal	1
mine	1
mineral	1
moist	3
moon	11
mother	6
mould	2
mouldy	1
mountain	4
mountains	2
mud	16
nature	4
object	1
ocean	1
one	1
orange	1
paradise	1
place	1
planet	17
plant	2
plants	5
planting	1
pleasure	1
potential	1
productive	1
put	1
rain	1

rampart 1  
rest 1  
revolution 1  
rich 4  
river 1  
road 1  
rock 2  
rocks 2  
round 61  
roundness 1

sand 5  
sky 81  
smelly 1  
smooth 3  
sod 2  
soft 5  
soil 37  
solid 1  
solidity 2  
space 1  
sphere 4  
star 1  
stone 2  
stones 2  
street 1  
substance 1  
sun 4  
surface 3

travel 1  
tree 4  
trees 5

unfertile 1  
universe 8

vastness 1  
vegetable 1

walk 3  
water 10  
wide 1  
wood 1  
world 46  
worm 5  
worms 2

#### 45. TROUBLE

accident 2  
affliction 4

aggravation 3  
anger 6  
angry 6  
anguish 1  
annoy 1  
annoyed 2  
annoyance 5  
anxiety 15  
avoid 2

bad 11  
begins 1  
black 1  
borrowed 1  
borrows 1  
bother 4  
bothered 2  
bothersome 1  
brains 1  
brewing 1  
broke 1  
burden 1  
burdens 1  
business 1  
busy 1

calm 1  
calmness 1  
care 27  
cares 3  
careless 1  
children 4  
college 1  
comfort 6  
comforts 1  
comfortable 1  
coming 2  
consequences 1  
contented 2  
contentment 1  
court 1  
cry 1  
crying 1

danger 6  
darkness 1  
day 1  
death 16  
deep 2  
despair 2  
difficult 1  
difficulties 1

difficulty 1  
disagreeable 1  
disagreement 2  
disappoint 1  
disaster 3  
discomfort 7  
discontent 2  
disease 3  
dislike 2  
disobedience 1  
displeased 1  
displeasing 1  
displeasure 2  
dissatisfactory 1  
distress 7  
disturbed 2  
doctor 1  
dogs 1

ease 4  
easiness 1  
easy 1  
ended 1  
enemies 1  
enemy 1  
error 1  
everywhere 1  
exams 1  
excited 1  
excitement 2

family 3  
father 1  
fear 3  
feeling 1  
few 1  
fight 5  
fighting 2

flunking 1  
fret 1  
friends 1  
fun 1  
funeral 1  
fuss 3

girl 2  
gossip 2  
great 2  
grief 26

handkerchief 1

happiness	19
happy	8
hard	5
hardship	6
harm	1
health	3
heart	1
heaviness	1
hemorrhage	1
home	2
horror	1
horse	1
hurried	1
husband	1
idea	1
illness	2
imaginary	1
inconvenience	2
joy	9
kindness	1
kinds	1
labor	1
laugh	1
lawyer	1
lessons	1
life	2
little	1
lonesome	1
loss	1
lots	5
mad	2
madness	1
man	5
many	1
marriage	2
me	2
mind	10
minded	1
mischief	8
miserable	1
misery	14
misfortune	6
misunderstanding	1
money	4
monotony	1
mother	1
Mrs. Wiggs	1
much	5

nervousness	1
no	3
noise	2
none	4
nuisance	1
pain	20
patience	2
patient	2
patients	1
peace	15
peaceful	3
people	3
perplexed	1
perplexity	1
person	3
pity	1
pleasure	10
plenty	1
poor	2
poverty	2
psychologist	1
quarrel	3
quarreling	3
quiet	3
quietness	1
release	1
relief	1
remorse	1
rest	1
reverses	2
Romeo	1
ruffled	1
sad	6
sadness	13
school	1
scrape	1
sea	1
seldom	1
sereneness	1
shadow	1
ship	1
shooting	1
sickness	47
simple	1
sin	1
sleep	1
sometimes	1

sorrow 202  
sorrows 1  
sorrowful 4  
sport 1  
squabble 1  
study 1  
suffer 1  
suffering 1  
sweetener 1  
sympathy 2

table 1  
task 1  
tears 9  
teasing 1  
temper 1  
temptation 1  
thought 2  
thoughts 1  
torment 1  
travel 1  
trial 1  
trials 3  
troublesome 5

ugly 1  
unavoidable 1  
uncertainty 1  
uncomfortable 2  
uneasiness 6  
uneasy 6  
unfortunate 2  
unhappiness 13  
unhappy 8  
unlucky 1  
unnecessary 2  
unpleasant 6  
unpleasantness 3  
unrest 1  
unsafe 1  
unsatisfactory 2  
unsettled 1  
upset 2

want 1  
war 2  
weak 1  
weary 3  
weeping 2  
welfare 1  
woe 1  
woman 5  
women 1



work	8
worked	1
working	1
worried	3
worries	2
worry	65
worrying	1
worriment	5
wrinkles	2
wrong	2
yesterday	1
youth	1

#### 46. SOLDIER

academy	1
armlet	1
army	137
arms	3
Arnold	1
artillery	2
baseball	1
battle	8
bayonet	1
blood	1
blue	1
boy	23
boys	1
brave	46
braveness	1
bravery	8
Brazilian	1
brother	1
buttons	2
cadet	4
camp	2
cannon	2
cap	1
captain	8
cavalry	3
citizen	14
civilian	3
clothes	1
colonel	1
command	6
commanding	1
commander	3
costume	1
country	4

courage	5
danger	1
defender	2
defense	1
discipline	2
disliked	1
double	1
drill	2
drums	1
duty	4
enemy	1
England	1
English	1
erect	3
fellow	1
fight	17
fights	1
fighter	12
fighting	12
firearm	1
fort	2
fortune	1
general	4
Germany	1
glory	1
good	3
Grant	1
guard	8
guardian	1
guardsman	1
gun	27
guns	2
helmet	1
hero	8
him	1
hobo	1
home	1
hurt	1
infantry	2
jacky	1
Jim	1
king	1
lieutenant	5

male	3
man	189
men	4
manly	1
march	12
marching	5
marine	1
marshal	2
mechanic	2
military	17
militia	3
murder	1
music	1
musket	2
N.	1
nation	1
national	1
navy	2
necessary	1
nobility	1
obedience	1
obey	1
officer	12
officers	1
order	1
orderly	2
patriot	5
patriotic	1
patriotism	1
person	3
Philippines	1
police	1
policeman	6
protection	1
protector	2
proud	1
red	4
redcoat	1
regiment	1
regular	2
respectable	1
Richmond	1
rifle	3
sailor	58
sailors	1
salute	1
sentry	1

servant 1  
service 1  
show 1  
sick 1  
single 1  
smart 1  
sorrow 1  
stateliness 1  
store 1  
straight 3  
strength 1  
stremious 1  
strict 1  
strong 4  
sword 2

tall 2  
tent 1  
tin 4  
training 1  
travel 1  
troop 1  
troops 1

uniform 39  
United States 1  
upright 3  
uprightness 1

valiant 1  
veteran 3  
volunteer 3

war 94  
warfare 1  
warrior 12  
West Point 8  
widow 2  
work 2

#### 47. CABBAGE

away 1  
  
bad 1  
beans 2  
beef 11  
beet 1  
beets 2  
boiled 1  
broth 1  
bud 1

bunchy	1
carrot	2
carrots	1
catsup	1
cauliflower	17
cigar	1
cold-slaw	1
cook	1
cooking	4
corn	1
cucumbers	1
cut	1
decayed	1
disagreeable	1
dish	2
dislike	1
dinner	4
eat	30
eating	6
eatable	6
eatables	3
farm	11
farming	1
field	3
fields	2
fine	1
flower	4
fond	22
fruit	7
garden	43
German	1
Germans	1
goat	1
good	13
green	44
greens	2
ground	3
grow	1
grows	1
growing	2
growth	1
ham	1
hard	3
head	30
heads	1
healthy	1
heavy	2

herb	1
home	1
horrid	2
indigestion	8
kale	1
kraut	2
large	3
leaf	2
leaves	11
letters	11
lot	1
meal	2
meat	8
Mrs. Wiggs	2
mustard	1
nice	1
nothing	1
odor	2
onion	2
onions	3
paper	1
parsley	1
patch	16
plant	48
plants	3
plantation	1
planted	1
planting	1
plate	1
pork	5
potato	5
potatoes	18
purple	1
quart	1
rabbit	2
red	3
rose	2
round	4
salad	5
sauerkraut	17
slaw	2
smell	11
soapy	1

solid	2
soup	2
sour	4
spice	1
spinach	1
sprouts	1
stalk	3
stew	1
stinking	1
strong	1
sustenance	1
sweet	3
taste	3
tender	1
tomato	2
tomatoes	2
turnip	20
turnips	6
unnecessary	1
unwholesome	1
Valhalla	1
vegetable	294
vegetables	10
vinegar	4
Virginia	1
white	1

#### 48. HARD

adamant	2
apple	3
apples	1
bad	2
ball	5
baseball	1
bed	1
bench	1
blackboard	1
board	6
boards	2
bone	1
bread	1
break	1
brick	12
brittle	2
bullet	2

cabbage 2  
callous 1  
candy 2  
can't 1  
chair 3  
character 1  
coal 7  
coarse 1  
cold 1  
crystallized 1

dense 1  
diamond 3  
difficult 5  
disagreeable 1  
do 1  
durability 1

earth 1  
earthen 1  
easy 17  
egg 7  
eggs 1  
examination 2

fare 1  
farmer 1  
faery 1  
feeling 4  
firm 11  
firmness 7  
fist 1  
flint 1  
floor 10  
formidable 1  
fruit 1

glass 2  
glittering 1  
gold 1  
good 2  
granite 1  
ground 2

hammer 1  
harsh 2  
heart 2  
hearted 2  
heavy 2  
hickory 1  
hurt 1

ice 8



immovable	1
impenetrable	1
indestructible	1
individual	1
indurated	1
inflexible	1
injustice	1
icksome	1
iron	44
kind	1
labor	1
lead	2
lesson	2
lignum-vitae	1
life	2
low	1
hick	3
maple	1
marble	3
mathematics	1
mean	2
medium	2
metal	5
murder	1
mush	1
nail	1
nails	1
natural	1
nut	1
nuts	1
oak	1
opaque	1
pavement	2
perplexing	1
physics	1
piano	1
principle	1
pulpy	1
quality	1
questions	1
raining	1
resistance	4
resistant	1
rigid	1

road 1  
rock 38  
rocks 4  
rocky 1  
rough 11

saltpetre 1  
severe 1  
sidewalk 1  
smooth 15  
soft 367  
solid 15  
stale 1  
steel 14  
stick 1  
stingy 1  
stone 102  
stones 1  
stony 1  
stove 2  
strength 1  
strong 4  
stuff 1  
substance 6

table 5  
tack 1  
thick 1  
tight 1  
touch 2  
tough 12  
tree 2  
trouble 1  
turnip 1

unbreakable 5  
uncomfortable 5  
uneasy 1  
unimpressible 1  
unpleasant 2  
unpliable 1  
unripe 1  
unyielding 1  
uselessness 1

very 1

walnuts 1  
water 2  
wisdom 1  
wood 66  
work 19  
working 2

#### 49. EAGLE

air	3
altitude	1
America	7
American	12
animal	4
aspiring	1
bald	1
beak	8
beast	2
bill	2
bird	568
birds	6
birdie	1
black	1
butterfly	1
buzzard	2
carnivorous	1
carrion	1
chickens	1
claws	2
clouds	1
contour	1
crag	1
crow	3
cruelty	1
dollar	4
dove	5
eggs	1
emblem	8
eye	12
eyed	1
eyry	1
falcon	1
feathers	7
fierce	1
flag	2
flies	6
flight	22
flint	1
fly	46
flying	23
flyer	2
fowl	3
freedom	3

glare 1  
glorious 1  
golden 2  
graceful 1  
gray 1  
great 1

hawk 18  
height 1  
high 21

insect 1  
insignium 1

keen 1  
king 4

large 9  
lark 1  
liberty 1  
lofty 2

might 2  
mountain 14  
mountains 8

nest 12

owl 4

paper 3  
parrot 1  
partridge 1  
peacock 1  
pigeon 2  
power 2  
prey 5

quail 1  
quarry 1

robin 1  
rock 1

scarce 1  
sharp 3  
sight 1  
sky 2  
sly 2  
soar 5  
soars 3

soaring	14
solitude	1
space	1
sparrow	6
sport	1
spread	1
strength	11
strong	3
sun	1
swallow	3
swan	1
swift	4
swiftness	1
sword	1
talon	1
talons	1
tern	1
Times	1
turkey	1
United States	2
vulture	3
wing	8
wings	16
young	1
Zoo	2

## 50. STOMACH

abdomen	32
ache	31
anatomy	21
animal	2
appetite	5
apples	1
arm	2
back	1
bad	1
bag	7
basket	1
beast	2
beef	1
belly	6
belt	1
biology	1

body	99
bowels	18
brain	1
bread	1
breast	1
cancer	3
care	1
careful	2
cat	1
cavity	1
chart	1
chest	18
coil	1
condition	2
contain	1
delicate	1
diaphragm	1
digest	6
digesting	1
digestion	50
digestive	3
digests	2
dinner	7
disease	1
distress	1
doctor	2
dress	1
duodenum	1
dyspepsia	4
eat	45
eating	27
empty	8
engine	1
excellent	1
face	1
fat	1
feed	1
feeding	1
feet	1
food	102
foot	2
flesh	1
frame	1
front	1
full	7
function	1
gastric	5

Gertrude	1
good	4
grind	1
grinding	2
hand	2
hands	1
head	9
health	5
heart	24
hog	1
hunger	6
hungry	6
hurt	2
hurts	1
hygiene	1
illness	1
indigestion	17
inside	5
interior	2
internal	2
intestine	28
intestines	32
juice	1
large	4
leg	1
limb	1
liver	13
living	1
lung	1
lungs	3
machinery	1
man	5
meal	1
meals	1
member	5
milk	1
mortal	1
mouth	3
muscle	1
nausea	2
necessary	3
necessity	1
neck	1
nuisance	1
object	1
oblong	1

oesophagus 4  
organ 81  
organs 3  
overeating 1  
overloaded 1

pain 28  
part 3  
person 9  
physiology 3  
picture 1  
poor 2  
portion 1  
pouch 4  
psychology 1  
pump 3  
punch 2

receiver 1  
receptacle 3  
reservoir 2  
rest 1  
round 3

self 1  
sick 10  
sickness 7  
skin 1  
small 2  
soft 4  
sore 1  
sour 2  
specimen 1  
strong 1  
suffer 1  
suffering 1  
sustenance 1  
system 2

tender 1  
tenderness 1  
thought 1  
throat 1  
tongue 2  
trouble 25  
troubles 1  
troublesome 5  
trunk 1  
tube 3

upset 1  
useful 1



vessel	2
want	1
water	1
weak	3
weakness	1
work	1

## 51. STEM

anything	1
appendage	1
apple	43
apples	1

base	1
beginning	3
blade	1
blossom	3
boat	1
body	1
brain	1
branch	33
branches	1
broad	1
broom	1
bud	4
bush	5
butt	1

cane	2
cherry	2
connection	3
connects	1
cord	2
core	2

end	10
ending	1
evolution	1

fibre	1
fibres	2
finger	1
flower	259
flowers	7
foundation	2
fruit	14

grass	1
-------	---

green	9
growth	3
handle	20
hard	1
head	1
hold	2
holding	1
holder	4
holes	1
join	1
leaf	96
leaves	4
leg	1
length	3
lettuce	1
life	1
light	2
lily	1
limb	4
living	1
long	18
match	1
necessity	1
object	1
offshoot	1
organ	1
part	4
parts	1
particle	1
peach	2
pear	9
peduncle	1
pencil	3
petal	4
pick	1
piece	3
pipe	70
pit	1
plant	74
plow	1
point	6
poppy	1
projection	1
prop	1

reed	1
river	1
rod	1
root	27
roots	1
rose	21

shank	2
short	6
slender	7
small	1
smoke	1
soft	1
stalk	21
steps	2
stern	6
stick	14
stiff	1
stone	1
stop	1
storm	1
straight	2
support	8

thin	4
thorn	2
tide	2
tobacco	1
top	1
tree	44
trees	2
trunk	3
twig	7

valve	1
violet	1
vine	3

watch	7
water	2
weed	3
wind	3
winding	2
winder	3
wood	4

## 52. LAMP

Aladdin	1
arc	1
articles	6

black	5
blaze	1
brass	1
bright	12
brightness	3
burn	20
burning	10
burner	3
burns	1
candle	13
chandelier	2
cheer	1
chimney	37
convenience	1
crocery	1
dangers	1
dark	3
darkness	2
daylight	1
distance	1
dull	1
electric	5
evening	1
fire	5
flame	1
full	1
furniture	2
gas	4
glaring	1
glass	8
globe	7
high	3
home	1
hot	1
house	1
illumination	2
kerosene	7
lantern	1
large	2
library	1
light	650
lights	2
lighted	4
lighten	1

lit	2
match	1
nickle	1
night	4
oil	49
ornament	1
petroleum	1
post	5
pretty	1
reading	2
red	1
Rochester	1
room	2
see	2
shade	37
shadow	1
small	1
smoke	4
smokes	1
smoking	1
smoky	1
stand	2
stove	1
student	1
table	8
tall	1
useful	2
vessel	2
warmth	1
wick	23
wisdom	1

### 53. DREAM

absence	1
angel	1
angels	1
anger	1
anything	1
asleep	6
awake	11
awaking	1

awaken 1  
awakening 3

baby 2  
bad 16  
beautiful 4  
bed 11  
bliss 3  
book 1  
boy 1

comfort 1  
consciousness 2  
conversation 1

dangerous 1  
darkness 1  
days 1  
death 2  
delusion 1  
delusions 1  
disagreeable 1  
disappointment 1  
discontent 1  
disturbance 2  
disturbing 1  
doze 1  
dread 1  
dreary 2

easy 1  
expectation 1  
experiment 1  
eyes 1

falling 2  
fancy 9  
fantasy 1  
fear 1  
feeling 1  
feelings 1  
forgotten 1  
fortune 1  
funny 1

girl 1  
good 7  
goodness 1  
grand 1  
grieving 1

hallucination 2  
happiness 3

heaven	1
home	3
hope	1
horrible	3
idea	1
illusion	3
image	1
imaginary	2
imagination	12
imagine	5
imaginings	1
impression	2
indigestion	2
insanity	1
inspiration	1
kind	1
land	1
languid	2
lie	2
like	1
love	2
M.	1
man	2
mare	1
meditate	1
melancholy	1
melody	1
mesmeric	1
mind	8
money	1
music	1
nature	2
never	1
nice	3
night	42
nightmare	24
no	1
none	1
nonsense	2
object	1
omen	1
on	1
opium	1
paradise	1
patients	1
peace	1

peaceful	2
phantoms	1
picture	3
pillow	1
play	1
pleasant	38
pleasure	13
presentiment	1
prophesy	1
psychology	1
purple	1
queer	1
quiet	1
realization	1
recollection	1
relax	1
remember	1
repose	2
reposing	1
rest	3
restless	6
restlessness	1
reverie	2
sad	2
sadness	1
scene	1
second	1
semiconscious	1
sensation	1
sense	1
shade	1
shadows	1
short	1
sickness	2
sight	1
sights	1
sleep	339
sleeping	39
sleepers	2
sleeplessness	2
sleepy	2
slept	1
slumber	20
something	1
somnambulist	1
snore	2
soliloquy	1
stale	1
startling	1
story	1



sweet 14  
talk 1  
terrible 1  
things 3  
think 29  
thinking 8  
thought 38  
thoughts 22  
tiring 1  
trouble 1  
true 2

uncomfortable 1  
unconscious 1  
unconsciousness 1  
uneasiness 1  
uneasy 2  
unfortunate 1  
unpleasant 5  
unpleasantness 1  
unreal 2  
unrest 2  
unstable 1

vacancy 1  
vagueness 1  
vision 48  
visions 6  
vivid 1

wake 9  
waking 1  
wander 1  
wandering 4  
weird 1  
wonder 2  
woods 1  
work 1

54. YELLOW

alive 1  
amber 2  
apple 3  
autumn 1

banana 5  
beautiful 3  
beauty 2  
becoming 1  
bird 8

black	24
blossoms	1
blue	41
bright	23
brightness	2
brilliant	1
brown	13
buff	1
butter	7
buttercup	11
buttercups	2
butterfly	8
canary	4
cat	1
China	2
Chinaman	3
Chinee	3
Chinese	2
chrome	1
chrysanthemum	1
chrysanthemums	1
cloth	3
coarse	1
color	301
coloring	1
common	1
complexity	1
corn	1
cream	2
crocus	1
daffodil	3
daffodils	3
daisy	6
dandelion	7
dark	6
delightful	1
desert	1
disagreeable	1
dog	1
door	1
dream	1
dress	9
dresses	1
dull	1
ecru	1
egg	1
fade	1
fancy	1

fence	1
fever	3
flag	4
flame	1
flower	38
flowers	9
fruit	3
G.	1
garments	1
gay	1
glare	1
gold	13
golden	5
goldenglow	1
goldenrod	5
goods	1
gorgeous	1
grass	1
green	41
hair	2
house	2
hue	1
ink	1
jasmine	2
jaundice	3
jealousy	6
jonquil	1
journal	2
kid	2
leaf	2
leaves	1
lemon	7
light	14
lily	2
maize	1
man	1
marigolds	1
matter	1
mellow	1
melon	1
molasses	1
nature	1
nice	1
obnoxious	1

ochre	1
orange	47
paint	5
pale	2
pansy	3
paper	4
peach	2
pears	1
pillow	1
pink	13
plague	1
poppy	1
pretty	4
primrose	1
pumpkin	2
pumpkins	1
pure	1
purple	5
red	34
ribbon	1
rose	9
satin	1
school	1
sear	1
shade	4
silk	1
sky	2
soft	2
suit	1
sulphur	1
sun	21
sunflower	8
sunlight	7
sunshine	1
table	1
tan	2
tarnish	1
tree	1
ugly	1
unharmonious	1
violet	2
wagon	1
warm	1
warmth	1
wax	1
wheat	1

white 70

## 55. BREAD

appetite 1

bake 2  
baking 4  
baker 3  
bakery 1  
biscuit 14  
biscuits 2  
blue 4  
board 1  
box 1  
breakfast 2  
brown 3  
buns 1  
butter 151

cake 15  
cheese 1  
children 1  
color 1  
common 1  
cookies 1  
corn 1  
crackers 1  
crumbs 1  
crust 6  
cut 1

daily 3  
diet 4  
dinner 6  
dish 1  
dough 26  
doughnuts 1

earn 1  
eat 148  
eating 44  
eatable 28  
eatables 6  
edible 1

feed 1  
flour 88  
food 191  
fresh 3  
fruit 2

good	21
graham	2
grain	2
ham	1
hand	1
hard	3
heavy	2
holes	1
home	2
hot	1
hunger	7
hungry	4
knife	8
life	23
light	8
living	1
loaf	7
lunch	1
making	1
man	2
meal	1
meat	5
milk	1
mixing	1
necessary	1
necessity	2
needful	1
nourishment	4
oatmeal	1
pantry	1
pastry	1
plate	1
pudding	1
roll	1
rolls	2
rye	6
salt	1
salty	1
satisfaction	1
sister	1
soft	8
sour	1
staff	8
stale	3

strengthen 1  
substance 2  
substantial 1  
sugar 1  
sustenance 1  
sweet 4  
  
table 3  
tea 2  
toast 1  
tough 1  
  
useful 1  
  
water 9  
wheat 21  
white 15  
wholesome 1  
wine 1  
winner 1  
  
yeast 8

## 56. JUSTICE

action 2  
administered 2  
administration 1  
all 2  
always 1  
ask 1  
authority 1  
  
B. 1  
bad 1  
bed 1  
blind 3  
blindfolded 1  
body 1  
  
caught 1  
charity 1  
chastise 1  
chief 1  
clearness 1  
comfort 1  
command 3  
commanding 1  
conqueror 1  
constable 1  
court 64  
courts 2

Creator	1
crime	1
criminal	1
cruelty	2
dealing	1
deeds	1
defying	1
delayed	1
demand	1
deserved	1
dispute	2
distribution	1
do	3
doing	2
done	1
Dr. E.	1
duty	5
elusive	1
emblem	1
employer	1
energy	1
equal	8
equality	9
equally	1
equity	3
even	2
exactness	1
execution	1
fair	32
fairness	21
favor	1
fear	1
fine	1
freedom	6
friendship	1
gift	1
give	1
given	3
God	8
godliness	1
good	14
goodness	2
govern	1
government	3
guilty	1
happy	1
harm	1
hasty	1



have	1
heaven	1
help	1
him	1
honest	5
honesty	3
honor	7
impartial	1
iniquity	1
injury	1
injustice	26
innocent	1
J.	1
jail	2
joy	1
judge	91
judged	1
judgment	6
jury	2
just	5
justified	4
kindness	6
lacking	1
large	1
law	74
lawful	2
lawyer	4
lenient	2
liberty	11
lots	1
love	1
magistrate	2
man	13
merciful	1
mercy	23
merit	1
mind	1
moral	1
mother	1
never	1
nobility	1
noble	1
none	1
nonsense	1
obey	1
obtain	1

oppression	1
order	4
pardon	1
partiality	4
peace	143
perfect	1
person	1
picture	1
Plato	1
police	1
policeman	1
politics	1
popular	1
power	1
privilege	1
purity	1
reason	1
reward	3
right	157
righteous	3
righteousness	13
rightly	1
rightness	1
rights	11
ruler	1
satisfaction	4
satisfied	1
satisfying	1
scales	5
severe	2
severity	1
sorrow	1
square	3
squareness	1
squire	1
statue	4
story	1
supreme	3
sure	2
tranquility	1
true	6
truth	14
truthfulness	2
unbias	1
unfairness	1
unhappiness	1
unjust	8
uprightness	1

vengeance 1  
virtue 3

well 2  
wicked 1  
willingness 1  
wisdom 2  
wise 1  
work 2  
wrong 8

yes 1  
yield 1

#### 57. BOY

action 2  
active 2  
activity 2  
agility 1  
animal 3  
athletic 3  
athletics 2

baby 6  
bad 9  
ball 10  
barefoot 1  
baseball 5  
beautiful 1  
being 6  
Ben 1  
body 2  
boisterous 1  
book 1  
bright 2  
brother 6  
busy 2

cap 1  
careless 1  
Charles 1  
chicken 1  
child 86  
children 1  
class 1  
clothes 1  
clothing 1  
companion 2  
cousin 1  
curls 1

dead 1  
development 1  
dirty 2  
dog 1

Edward 1  
eighteen 1  
embryonic 1  
errand 1

fair 1  
female 3  
fight 1  
flesh 1  
foolish 1  
football 1  
Frank 1  
friend 4  
frolic 2  
fun 4  
funny 1

games 1

girl 319  
good 7  
grown 1  
growth 1  
gun 2

handsome 1  
Harry 1  
hat 1  
head 1  
hearty 1  
hero 1  
hood 2  
hoop 2  
human 9  
humanity 1

imbecile 1  
imperfect 1  
incorrigible 1  
industrious 1  
infant 2  
inhabitant 1  
innocent 1

jacket 1  
James 2

Jimmy	1
Joe	1
joyful	1
jump	1
jumper	1
juvenile	2
kid	4
lad	7
large	2
laugh	1
legs	1
life	2
little	3
lively	3
maid	1
male	63
man	104
manhood	1
mankind	1
manliness	1
manly	1
marbles	1
masculine	3
master	2
meanness	1
Michael	1
mischief	11
mischievous	7
mother	1
muscles	1
myself	1
naughty	1
Ned	2
nephew	1
newspaper	1
nice	3
noise	7
noisy	3
nuisance	1
obedient	1
out	1
pants	6
Paul	1
person	11
play	20
plays	1
playful	1

playfulness	1
pupil	2
rough	6
running	1
runs	1
scallywag	1
scamp	2
scholar	1
school	11
sex	4
sharp	1
shoes	2
small	14
smart	2
smiles	1
son	3
spirit	1
spoiled	1
sport	2
street	1
strength	2
strong	3
suit	2
sweetheart	1
swimming	1
tall	3
terror	1
think	1
Thomas	1
top	2
toys	1
Tracy	1
trait	1
tramp	1
trouble	1
useless	1
water	1
whistle	1
whistles	1
wicked	1
wild	2
wildness	1
woman	2
woods	1
work	1
working	1
young	22

youngster 1  
youth 33  
youthful 1

## 58. LIGHT

agreeable 1  
air 8  
airy 1  
arc 1  
assistance 1  
awake 1

beacon 1  
beautiful 2  
beautifying 1  
beauty 1  
biscuit 1  
black 3  
blue 2  
bread 1  
bright 47  
brightness 21  
brilliant 3  
brown 1  
burn 2  
burning 1

candle 8  
cheer 1  
clear 2  
clearness 2  
coat 2  
color 19  
comfort 2  
complexion 1  
convenient 1  
cork 1

dark 231  
darkness 93  
dawn 2  
day 81  
daylight 2  
daytime 6  
dimness 1  
distance 1  
dress 1  
dull 1

early 2  
easy 1

education	1
electric	7
electricity	8
element	1
emptiness	1
enjoy	1
evening	1
eyes	1
fair	1
feather	6
feathers	1
fire	6
flame	1
fleshy	1
forward	1
fuel	1
gas	21
glare	1
gleam	1
good	8
hair	2
happiness	4
health	1
healthy	1
hearted	1
heat	8
heaven	1
heavy	5
hills	1
illuminate	1
illumination	7
joy	1
kerosene	1
knowledge	1
laboratory	1
lamp	82
lamps	1
life	7
long	1
look	1
luminous	1
match	1
moon	10
morning	7



nice	1
night	3
necessity	1
paper	1
pathway	1
peaceful	1
pink	1
pipe	1
placid	1
pleasant	8
pleasure	1
plenty	1
rays	2
red	1
reflection	1
right	1
room	3
see	24
seeing	3
seen	1
shade	8
shadow	2
shadows	1
shine	2
shines	9
shining	2
sight	3
sign	1
sky	8
soft	1
sound	1
space	1
splendor	1
steam	1
sun	85
sunlight	1
sunshine	11
swift	1
transparent	1
truth	1
twilight	1
ventilation	1
Vera	1
vibration	1
vision	2
vivid	1
waist	1

warmth	2
waves	1
weak	1
weight	2
white	8
whiteness	2
window	15
world	1
yellow	6

## 59. HEALTH

action	1
activity	2
air	9
athletics	1
bad	5
baseball	1
beautiful	1
beauty	10
better	1
blessing	4
blood	1
board	1
body	9
boon	1
boy	2
broad	1
buoyancy	2
care	1
careful	1
cheer	1
circulation	1
cleanliness	1
climate	1
color	1
comfort	26
condition	6
constitution	1
consumption	1
contentment	1
convenience	1
country	2
desirable	3
disease	9
doctor	4
eating	1

enjoyment	5
everything	2
excellent	1
excursion	1
exercise	3
existence	1
face	1
feel	2
feeling	12
fine	1
food	4
form	1
fortune	2
freedom	1
fun	1
gift	3
girl	1
gladness	2
glow	1
golf	1
good	94
goodness	1
grand	2
gymnasium	1
gymnastics	1
happiness	111
happy	7
haste	1
healing	1
healthful	1
healthy	1
heaven	1
holiness	2
hygiene	2
ill	3
illness	13
joy	6
life	5
light	1
live	1
living	3
luck	2
luxury	1
man	4
me	1
medicine	3

merriment	1
mother	1
mountain	1
moving	1
necessary	1
needed	1
needful	1
normal	4
optimism	1
pain	1
perfect	8
person	6
physical	3
physician	1
physiology	1
play	1
pleasant	2
pleasure	14
plenty	1
poor	2
preserve	1
proper	1
prosperity	4
quick	1
red	1
riches	3
robust	9
rose	1
rosy	1
round	1
rugged	2
self	1
sick	9
sickly	2
sickness	153
smiles	1
sound	5
spirit	1
spirits	1
state	1
strength	112
strengths	1
strong	31
sturdy	1
success	1
temper	1

thankful 2  
trouble 1

unhealthiness 1  
unhealthy 3  
useful 2

valuable 1  
vigor 11  
virility 1

walking 1  
want 2  
warm 1  
water 1  
weakness 1  
wealth 76  
well 63  
wholesome 1  
woman 1  
wonderful 1

youth 1

#### 60. BIBLE

academy 1  
all 1  
ancient 1

beauty 1  
belief 1  
beneficial 1  
black 2  
book 388  
books 1

catechism 1  
Christ 8  
Christian 3  
church 50  
class 3  
clean 1  
clergyman 1  
comfort 2  
command 2  
commandment 1  
commandments 2  
creed 1

devotion 1  
directions 1

drama	1
duty	2
encyclopedia	1
excellent	1
fable	1
faith	1
family	2
Genesis	1
glass	1
God	48
good	28
goodness	12
gospel	3
gospels	1
grand	1
guide	1
heaven	2
heavy	1
help	1
history	26
holiness	5
holy	57
home	2
hope	1
hymns	2
instructive	1
Jacob	1
Jesus	4
knowledge	2
Koran	1
large	4
law	3
leaf	1
leaves	1
lectern	1
legend	1
lie	2
life	3
light	2
literature	2
Lord	5
love	2
message	1
mine	1

minister	3
Moses	2
mother	1
necessary	1
noble	1
obey	2
open	1
paper	1
piety	1
pious	2
pray	3
praying	2
prayer	19
prayers	7
prayer-book	13
preacher	2
preaching	1
prophet	1
psalms	4
rarely	1
read	31
reading	19
reformation	1
religion	89
religious	4
reverence	1
righteous	1
rot	3
sacred	3
Saviour	2
school	2
scripture	17
scriptures	3
sermon	1
shelf	1
sour	1
stones	1
stories	2
story	4
strength	1
studies	2
study	6
Sunday	6
table	3
teach	1
teacher	1
teachings	1

Testament	24
text	4
tradition	1
true	2
truth	17
truthfulness	1
unnecessary	1
useful	2
verses	1
weariness	1
word	8
words	1
worship	2
writ	1

## 61. MEMORY

absent	2
acquire	1
aid	1
analysis	1
ancient	1
association	2
attention	1
aunt	1
back	1
bad	19
beautiful	1
bird	1
blank	3
book	2
books	3
brain	46
brains	5
brightness	1
bucket	1
catechism	1
cause	1
charming	1
childhood	4
clear	1
concentration	2
connection	1
conscience	1
consciousness	2



dancing 1  
death 1  
debts 1  
defect 2  
defective 1  
desirable 1  
deterioration 1  
dictionary 1  
dim 1  
distant 1  
dream 1  
dreams 3  
dull 1

easy 1  
educated 1  
effort 1  
elusive 1  
English 1  
Europe 1  
events 2  
everything 1  
excellent 2  
experiment 1

faces 1  
faculty 1  
failing 1  
fails 1  
fair 4  
fancy 1  
far 1  
farther 1  
fascination 1  
faulty 1  
feeling 1  
fine 1  
fleeting 1  
fond 1  
fool 1  
forget 25  
forgetful 5  
forgetfulness 37  
forgetting 5  
forgotten 3  
forty 1  
friends 1

gone 2  
good 68  
gravestone 1  
great 1  
green 2

happiness 1  
happy 1  
head 9  
hearing 1  
history 2  
home 2  
hopefulness 1

idea 2  
image 1  
imagination 2  
impossible 1  
increase 1

intellect 7  
intelligence 5  
interpret 1  
invisible 1

joy 1

keep 1  
know 1  
knowledge 4

lack 2  
lacking 2  
language 1  
lasting 1  
learn 1  
learning 2  
lecture 1  
length 1  
lessons 2  
light 1  
long 3  
loss 1  
love 1

magnificent 1  
man 3  
marvelous 1  
me 1  
memorandum 1  
memorizing 1  
mental 4  
mind 138  
mindful 1  
mnemonics 2  
mother 1  
mud 1  
my 1

myself 1

names 1  
necessary 3  
necessity 1  
needful 1  
noble 1  
none 1

oblivion 1

painful 1  
past 8  
patient 1  
pen 1  
perception 2  
person 2  
picture 2  
pictures 1  
pleasantness 1  
pleasure 2  
poem 3  
poems 1  
poetry 7  
poor 23  
power 1  
psychology 1

quick 1

reading 1  
reason 1  
recall 4  
recalling 2  
recognition 3  
recollect 2  
recollection 16  
recollections 3  
reflect 1  
remember 27  
remembering 4  
remembrance 18  
remind 2  
reminder 1  
reminiscence 2  
reminiscences 1  
reproductive 1  
result 1  
retain 1  
retaining 2  
retention 5  
retentive 3  
retrospect 1

sadness	1
scenes	1
scholar	1
school	6
sensation	1
sense	5
senses	2
short	7
simple	1
song	1
sound	2
splendid	1
stanza	1
storehouse	1
story	1
strengthen	1
strong	1
student	1
study	4
studying	1
sure	1
sweet	7
swift	1
swing	1
teacher	1
tender	1
test	5
thankful	1
things	1
think	58
thinking	38
thinks	1
thought	81
thoughts	28
thoughtful	8
thoughtfulness	3
thoughtlessness	1
time	1
train	1
training	1
tree	1
unconsciousness	1
understand	3
understanding	6
unstable	1
useful	2
verses	2
weak	1

well	1
will	1
wit	1
wonderful	1
work	2
youth	2

## 62. SHEEP

animal	225
animals	18
astray	1
awkward	1

baa	1
beast	3
bed	1
Bethlehem	1
black	5
blind	1
buffalo	1

calf	1
calm	1
cattle	47
cloth	1
country	3
cow	22
cows	5

death	1
deer	2
dirty	2
dog	6
dogs	2
eat	1

farm	4
feed	1
field	12
fields	6
fleece	3
flesh	1
flock	24
flocks	1
fold	4
follow	1
food	2
foolish	1
fowl	1
fur	1

gentle	1
gentleness	1
goad	1
goat	17
goats	10
good	2
grass	4
graze	1
grazing	5
group	1
hair	1
harmless	1
herd	4
herder	1
hill	1
hillside	2
horn	1
horse	1
humanity	1
innocence	5
innocent	2
jump	1
lamb	151
lambs	36
landscape	1
large	2
lecture	1
lowing	1
many	1
meadows	3
meat	5
meekestness	1
mountain	3
mutton	60
nature	1
oxen	1
park	2
pasture	27
pastures	3
peace	1
peaceful	1
pet	1
picture	1
pig	2

plains	1
play	1
pretty	4
quadruped	2
raising	1
ram	1
rocks	1
run	1
running	1
shear	1
shearing	1
shears	1
shepherd	15
simple	1
sleep	1
small	2
soft	1
spring	1
stock	2
stupidity	1
tick	1
trust	1
wander	1
water	1
white	18
wolf	2
wool	143
woolly	10

### 63. BATH

baby	1
basin	1
bathe	2
bathing	6
beneficial	1
boat	1
boy	1
clean	120
cleaning	1
cleanliness	109
cleanly	2
cleanness	9
cleanse	6
cleansing	8
cold	14

comfort 3  
cool 3  
Creal Springs 1

delight 1  
dirt 4  
dirty 5  
dry 1

English 1  
every 1

filth 1  
filthiness 1  
fine 1  
flowers 1  
fluid 1  
fresh 2

good 7

health 9  
healthful 1  
healthiness 1  
healthy 4  
hot 10  
house 4

invigorates 1  
invigorating 2

joy 1

large 1  
luxury 1

man 1  
massage 1  
morning 2

nakedness 1  
neatness 1  
necessary 5  
nice 2  
none 1

ocean 6  
often 1  
once 1

pleasant 3  
pleasure 2  
plenty 2



plunge	3
porcelain	1
refreshed	1
refreshing	6
refreshment	1
river	2
robe	3
room	6
salt	1
sanitary	1
scrub	1
sensation	1
shower	3
sleeping	1
soap	13
soothing	1
sponge	1
spray	4
springs	1
swim	10
swimming	5
take	1
taken	1
toilet	2
towel	6
towels	2
tub	71
vapor	1
vessel	1
want	1
warm	3
wash	102
washing	16
water	339
wet	5
wood	1
yesterday	2

#### 64. COTTAGE

abode	2
agreeable	1
alone	1
apartments	1
barn	2

beach	1
beautiful	1
box	1
brick	3
brook	1
brown	2
building	31
bungalow	13
cabin	3
camp	1
camping	2
Cape Cod	1
castle	2
chair	1
cheese	1
city	3
comfort	15
contentment	2
cottage	1
country	36
couple	2
cozy	2
cute	1
distant	1
door	2
dwelling	23
family	2
far	1
farm	4
fence	1
field	6
fine	2
flowers	4
frame	2
garden	7
green	3
habitable	1
habitation	3
hamlet	1
hammock	1
handsome	1
happiness	5
happy	1
hill	3
home	85
homelike	1
homestead	1
hope	1

hospital	1
house	461
houses	1
innocence	1
ivy	1
lake	5
lane	1
large	1
lawn	4
little	4
live	17
living	5
log	1
loneliness	1
love	4
low	2
lumber	1
Maine	1
mansion	15
name	1
neat	3
Newburgh	1
nice	4
one	2
open	1
orchard	1
outing	1
painting	1
palace	2
personage	2
patient	1
patients	1
peace	1
people	1
picturesque	1
place	1
pleasantness	1
pleasure	1
pond	1
porch	4
prettiness	1
pretty	3
pudding	1
reside	1
residence	4
resident	1

resort	1
rest	3
river	1
rod	1
roof	3
roomy	1
roses	2
rustic	1
school	1
sea	10
seashore	5
seaside	2
shelter	6
shingles	2
shore	2
simplicity	1
sleep	1
small	30
snug	1
stands	1
structure	3
summer	9
sweet	1
Switzerland	1
table	1
tent	4
thatched	2
tower	1
trees	1
two	3
unity	1
vacation	2
veranda	1
villa	1
village	3
vine	1
vines	3
white	3
window	2
woman	1
wood	11
wooden	1
woods	3
yard	1

active	2
aeroplane	2
ahead	1
antelope	1
arrow	13
automobile	11
autos	1
ball	6
beauty	1
better	1
bicycle	1
bird	16
birds	1
boat	1
brisk	1
brook	1
bullet	3
cat	1
channel	1
child	1
choice	1
clever	1
creek	1
current	7
curve	1
cutting	1
deer	7
degree	1
doctor	1
dog	1
eagle	8
easy	2
engine	3
fast	222
fastness	1
fear	1
fish	1
feet	5
flight	6
fly	3
flying	3
foot	1
girl	1
go	1
going	1
good	1

grand	1
Greek	1
heard	1
hare	1
haste	1
hear	1
high	1
horse	28
hurry	12
hurrying	1
Indian	1
kite	1
launch	1
lazy	1
light	2
lightening	4
lively	3
man	1
Marathon	1
Mercury	1
messenger	1
meteor	1
more	1
morning	1
motion	2
motoring	1
movement	2
moving	1
muscles	1
near	1
Niagara Falls	1
power	1
quick	117
quickly	13
quickness	5
quiet	1
race	6
rapid	27
rapidity	2
rapidly	2
real	1
riding	1
river	18
rivers	1

road 1  
rocket 1  
run 19  
running 20  
runner 18  
rushing 1

sail 1  
sharp 1  
shot 1  
sleigh 1  
slow 100  
slowly 4  
smart 16  
smartness 1  
smooth 3  
speed 29  
speedily 1  
speeding 1  
speedy 7  
spinchiled 1  
spy 2  
steam 1  
sting 1  
stone 1  
stream 8  
strong 2  
sure 2  
swallow 5  
swallows 1

throw 1  
tide 2  
time 1  
train 18  
trains 1

walking 1  
water 11  
wind 8  
work 1

## 66. BLUE

air 1  
azure 1

ball 1  
beautiful 1  
becoming 1  
bell 1  
binding 1

bird	5
black	38
blood	1
blossom	1
blotter	1
bluebird	1
bluing	2
blusey	1
book	1
bright	5
brown	8
cadet	1
chemical	1
clock	1
cloth	7
clothes	3
clothing	1
cloud	1
could	1
color	256
colors	2
coloring	2
dainty	1
dark	24
deep	5
depth	1
dress	18
dull	1
ether	1
eyes	6
fair	1
feeling	4
fidelity	1
flag	6
flower	3
forget-me-not	1
gentian	1
globe	1
gloominess	2
gloomy	2
glum	1
good	1
grass	2
gray	10
green	54
hat	1
heaven	5



heavens	2
heavenly	1
homesick	1
hopeful	1
horizon	1
house	1
hue	1
indigo	5
ink	6
lake	1
light	8
lily	1
lonesome	1
melancholy	2
Monday	1
navy	1
necktie	1
ocean	12
paint	8
pale	1
paper	1
pencil	1
pink	9
pleasant	2
pleasing	1
policeman	1
pretty	4
purity	1
purple	2
red	54
restful	1
ribbon	3
river	1
room	1
sad	2
sailor	1
sea	7
serge	1
shade	2
skies	1
sky	239
soft	1
somber	1
space	1
stripes	1

suit	1
tie	2
tint	1
true	7
truth	2
turquoise	1
unhappy	1
unrest	1
velvet	1
violet	2
violets	3
washing	2
water	8
white	47
wind	2
Yale	2
yellow	27

#### 67. HUNGRY

aching	1
ambitious	1
angry	1
animal	2
appeasing	1
appetite	57
appetizing	2
baby	2
bad	3
bananas	1
bear	1
beggar	4
biscuit	1
boy	5
bread	26
breakfast	8
butcher	1
candy	1
child	5
children	5
cold	4
college	1
country	1
crackers	1
crave	1

craving	7
cupboard	1
dark	1
desirable	1
desire	11
devil	1
devour	1
dinner	31
disagreeable	1
discomfort	4
displeasure	1
dissatisfaction	1
dissatisfied	1
distress	1
dog	14
dogs	1
dry	1
eat	126
eating	64
eatables	2
emotion	1
emptiness	4
empty	13
exhausted	2
faint	9
fainting	1
famine	5
famish	1
famished	11
famishing	1
fascinating	1
fast	3
fasting	5
fatigue	4
fatigued	1
fed	4
feel	1
feeling	8
fill	1
filled	4
food	136
form	1
fulfilment	1
full	9
fruit	3
gaunt	1
Gertrude	1
girl	1
gnawing	2

good	1
grub	1
hardship	1
Henrietta	1
hog	1
horse	1
hunger	2
I	3
ice-cream	1
kitchen	1
lack	2
lion	1
longing	5
lunch	4
man	5
me	4
meal	1
meat	3
milk	1
miserable	2
misery	1
nausea	1
necessary	1
need	2
needy	1
never	1
nice	1
no	1
noon	1
nothing	1
nourish	1
now	2
ocean	1
often	1
pain	5
painful	1
pallid	1
pang	1
peaches	1
perishing	1
person	2
picnic	2
pie	2
plenty	2
plow	1

poor	6
potatoes	1
poverty	2
present	1
ravenous	1
repletion	1
sad	1
sandwiches	2
satiated	3
satiety	2
satisfied	14
satisfy	2
school	1
sensation	1
sharp	1
ship	1
sick	1
sleepy	1
slow	1
sorrow	2
starvation	10
starve	8
starved	15
starving	29
steak	2
stomach	13
suffering	1
sufficiency	1
sufficient	1
supper	2
table	1
thirst	12
thirsty	61
thought	1
tiger	1
tired	12
tiresome	1
tramp	3
traveling	1
uncomfortable	1
unhappiness	1
unhappy	4
unpleasant	4
unsatisfied	3
very	1
viands	1
victuals	1
walk	1

want	25
wanting	5
weak	5
weakness	3
wish	2
wolf	10

## 68. PRIEST

altar	3
authority	1
belief	1
Bible	3
bishop	6
black	13
blessing	1
book	1
boy	1
brother	1
cassock	1
cathedral	2
Catholic	36
Catholics	2
Catholicism	4
ceremony	1
chancel	1
chapel	2
childhood	1
church	166
clean	1
clergy	30
clergyman	62
cleric	1
clerical	2
cloister	1
cloth	1
clothes	1
collar	1
comforter	1
command	1
communion	1
confession	5
confessor	2
conscientious	1
console	1
counsellor	1
crucifix	1
dignified	1
discipline	2

discontent	1
dishonor	1
dislike	1
divine	1
divinity	1
doctor	5
doing	1
dominie	1
dress	1
Dr. K.	1
duty	1
exalted	1
faithful	2
fakir	2
fakirs	1
fat	3
father	15
follower	1
forgive	1
forgiveness	1
garb	2
gentleman	1
God	2
good	9
goodness	1
gown	6
heaven	2
high	1
holiness	3
holy	15
honor	2
hood	2
house	1
humble	1
hypocrite	2
inspired	1
instruction	1
Jew	2
just	1
justice	1
kind	1
knowledge	1
layman	2
leader	4
lecture	1

Levi	1
Levite	2
Lord	1
male	5
man	75
mass	5
minister	178
monastery	5
monk	9
moral	1
noble	1
nun	12
office	1
parson	11
pastor	11
people	1
person	3
piety	1
pious	4
Pope	3
power	1
praise	1
pray	3
prays	1
prayer	8
prayers	1
preach	3
preaches	2
preacher	35
prelate	2
priestess	2
profession	1
prophet	3
pulpit	1
purity	2
rabbi	2
religion	57
religious	7
representative	1
repulsive	1
reserved	1
reverend	1
righteous	2
road	1
robe	12
robes	8
ruler	1



sacred	2
sacrifice	1
sanctity	1
school	1
sent	1
serious	1
sermon	3
sermony	1
servant	2
service	2
services	1
shaven	2
shoot	1
sinner	1
sister	1
slim	1
solemnity	1
sometimes	1
spookism	1
stern	1
student	1
Sunday	2
surplice	3
table	1
teacher	2
ugly	1
vest	1
vicar	1
York	1

#### 169. OCEAN

afraid	1
angry	1
Atlantic	11
barge	1
bathing	3
bay	3
beach	5
beautiful	1
big	5
bigness	1
billows	1
blue	25
boat	6
boats	1

body	2
boisterous	1
breadth	3
breeze	1
broad	3
Bryon	1
Cape Cod	1
Coney Island	2
country	1
crossing	1
current	1
dark	1
deep	87
deepness	1
depth	10
depths	1
distance	2
enormous	1
Europe	1
expanse	2
expansive	1
float	1
foam	2
grand	2
grandeur	2
great	3
greatness	1
green	2
Grove	2
gulfs	1
Hudson	1
immense	1
immensity	2
infinity	2
joy	2
lake	12
land	8
large	9
launch	1
liquid	1
Maine	1
Mauretania	1
might	1

mighty	3
motion	2
power	1
pretty	1
quantity	1
river	36
roars	1
rough	12
sail	2
sailing	2
salt	10
sand	2
Sandy Hook	1
sea	75
seas	3
seashore	2
seething	1
shining	1
ship	24
ships	11
shore	2
sky	1
sound	1
storm	1
storms	1
steamboat	1
steamer	14
steamers	1
steamship	1
stream	4
swiftness	1
swim	2
swimming	1
tide	1
terrible	1
traveling	1
trip	1
valley	1
vast	7
vastness	9
vessel	2
voyage	1
waste	1
water	427
waters	1

wave	12
waves	45
wavy	1
wet	2
white	1
wide	15
wonder	1
wonderful	1

## 70. HEAD

above	1
ache	9
aches	1
anatomy	8
animal	2
appearance	1
arm	2
arms	3
asymmetrical	1

baby's	1
back	2
bald	1
ball	1
beautiful	1
beginning	1
big	5
black	1
body	146
bonehead	1
boss	1
brain	58
brains	32
branch	1
bright	1
brown	1

cabbage	7
captain	3
cattle	1
cavity	2
chess	2
chief	2
chop	1
clear	1
comb	2
combs	1
consciousness	1
cover	1
covered	1
cow	2

cranium	11
crown	1
director	1
donkey	1
ear	1
ears	1
emptiness	1
empty	1
encephalon	1
end	1
extremity	1
eye	2
eyes	10
face	13
father	1
feature	1
features	2
feet	26
figure	1
firm	1
first	2
food	1
foot	64
forehead	1
front	1
girl	1
glasses	1
good	3
govern	1
great	1
hair	159
hand	11
hands	2
handsome	1
hard	2
hat	17
headless	1
heart	8
heels	2
high	3
highest	2
hot	2
house	1
human	4
individual	1
intellect	2
intelligence	3

king 1  
knee 1  
knowledge 17

large 19  
leadership 1  
leading 1  
life 1  
light 2  
limb 8  
limbs 1  
little 1  
long 1  
louse 1

man 14  
man's 1  
masterpiece 1  
medium 1  
member 7  
memory 3  
mentality 1  
mind 14  
mouth 1

nail 1  
nation 1  
neck 17  
nose 2

organ 5

pain 1  
part 6  
people 1  
person 15  
physiology 2  
planning 1  
Pope 1  
power 3  
president 2  
pretty 1  
principal 2  
procession 1

quarters 1

rest 2  
round 21  
roundness 1  
ruler 3

scalp 4  
sense 3  
senses 1  
sensible 1  
shape 4  
shaped 1  
shoulder 1  
shoulders 12  
skull 5  
small 7  
sore 2  
square 1  
statue 2

stomach 2  
strong 1  
superintendent 2  
symmetry 1

tail 3  
teeth 1  
thick 2  
think 9  
thinking 6  
thought 16  
thoughts 4  
tired 1  
top 31  
trunk 2

useful 2

whirl 1  
wit 1  
woman 1  
woman's 2  
work 1

## 71. STOVE

article 3  
  
bake 1  
baking 1  
black 59  
blackening 4  
box 1  
breakfast 1  
bright 2  
burn 12  
burning 2

chair	1
chimney	1
coal	25
comfort	2
cook	24
cooking	34
cooks	1
cover	3
dark	1
dinner	1
dirt	1
dishes	1
fire	217
fireplace	3
flame	1
food	3
Franklin	1
fry	1
fuel	1
furnace	6
furniture	8
furnitureness	1
gas	7
German	1
good	2
grate	1
hard	2
hardware	1
heat	213
heating	1
heats	1
heater	2
heavy	2
home	1
hot	86
house	2
household	1
icebox	1
implement	1
instrument	2
iron	51
isinglass	1
kettle	4
kitchen	11
lamp	3
large	2



legs	2
lid	4
lifter	3
light	1
long	1
metal	2
oil	1
oven	1
painful	1
pipe	18
pipes	1
poker	5
polish	10
radiator	2
range	19
receptacle	1
red	1
room	2
round	1
rusty	1
shovel	1
sink	1
small	2
smoke	1
steel	3
structure	1
teakettle	1
using	1
utensil	2
warm	32
warmth	42
water	1
winter	2
wood	7
zinc	1

## 72. LONG

age	1
anxiety	1
arm	1
arms	1
avenue	2

away	1
barn	1
beach	1
bench	1
big	1
blackboard	1
board	2
boat	6
book	1
boulevard	1
bridge	1
broad	2
Brooklyn Bridge	1
broomstick	1
building	1
cable	1
chimney	1
coat	1
courage	1
craving	1
day	9
days	1
deep	1
depth	1
desirable	1
dimensions	1
distance	81
distant	3
dress	6
duration	1
elongated	1
endless	1
enough	1
eternity	2
extended	1
extension	1
extensive	1
extent	1
far	8
feet	1
fellow	1
fence	2
flagpole	1
foot	1
for	1
giant	2
girl	1

glass	2
grass	4
great	1
hair	2
hall	2
head	1
height	1
high	5
hill	1
hose	1
hours	1
house	1
Island	2
journey	8
labor	1
lane	3
lanky	2
large	7
lasting	1
lecture	1
legs	1
length	50
lengthy	6
level	1
life	4
line	5
linear	1
live	1
Lusitania	1
man	5
measure	7
medium	2
meter	1
mile	13
miles	1
Mississippi	1
much	1
name	1
narrow	15
night	2
nose	1
oblong	1
path	2
person	1
pin	1

pipe	1
plant	1
plenty	1
pole	20
railroad	4
railway	1
rails	1
reed	1
ribbon	3
ride	1
river	15
road	32
rod	1
room	1
rope	7
row	1
rug	1
rule	2
ruler	4
shape	1
sharp	1
shore	1
short	413
shovel	1
slender	1
slim	1
slow	1
small	1
snake	2
something	1
space	1
spacious	1
spire	1
square	1
stay	1
steamer	1
steeple	1
stick	8
sticks	1
story	2
straight	1
street	6
streets	1
strength	1
stretch	2
string	6
stupid	1
summer	1
table	3
tall	26

test	1
thin	2
thread	2
throw	1
time	15
tiresome	1
tower	1
track	3
train	2
tree	4
trip	1
vast	1
very	1
wait	1
waiting	2
walk	7
walking	1
walls	1
way	6
ways	1
weary	1
whale	1
while	1
wide	7
winter	1
wire	1
wishing	1
without	1
worm	1
yard	4
year	2

### 73. RELIGION

Abraham	1
aesthetics	1
aim	1
all	1
anything	1
association	1
atheism	2
atheism	4
Baptist	2
beauty	1
belief	39
beliefs	1
believe	2
believing	1

believer	1
belong	1
belonging	1
Bible	52
body	1
books	2
brain	3
Buddha	1
catechism	1
Catholic	56
ceremony	2
China	1
Christ	8
Christian	14
Christianity	7
Christlike	1
church	161
churches	4
churchman	1
civilize	1
clergyman	1
comfort	4
commandments	1
conduct	1
Congregational	1
conscience	2
conversion	1
Creator	2
creed	33
custom	1
deep	1
denomination	11
devotion	4
different	2
difficult	1
dislike	1
divine	1
doctrine	4
dogma	1
doubt	2
Druids	1
duties	1
duty	2
emotion	1
Episcopal	4
Episcopalian	1
eternity	1
ethics	2
everyday	1

fair	1
faith	47
fake	1
fanaticism	1
feeling	1
fine	1
foolish	2
free	1
gentle	1
German	1
God	31
godly	1
good	46
goodness	10
gospel	2
government	1
guide	3
happiness	3
harmony	1
health	1
heathen	3
heaven	8
Hebrew	1
helpful	2
hereafter	1
heresy	1
history	2
holiness	4
holy	10
honor	1
house	1
hypocrisy	1
idea	2
ideas	1
ignorance	1
indefinite	1
indiscreet	1
institutions	1
irreligion	1
irreligious	1
Jesus	3
Jew	3
Jews	1
Jewish	4
just	1
kind	2
knowledge	1

law	1
learning	1
life	4
living	1
Lord	1
Lutheran	1
man	1
men	1
mankind	1
many	1
mental	1
Methodism	1
Methodist	7
minister	15
modesty	1
Mohammed	2
morals	2
mystic	1
nationality	2
need	1
no	1
none	5
nothing	2
nun	1
nuns	1
obey	1
opinion	3
order	1
orthodox	1
paganism	1
peace	3
people	3
perfect	1
persecution	1
person	2
persuasion	3
piety	13
pious	13
poor	2
Pope	1
powerful	1
practice	2
pray	2
praying	2
prayer	21
prayers	5
prayer-book	2
preacher	2
preaching	2



Presbyterian 3  
priest 28  
profession 3  
professor 1  
Protestant 30  
pulpit 1  
pure 2  
puzzle 1

question 1

race 1  
rector 1  
religious 2  
reverence 3  
right 2  
righteousness 2

sacrament 1  
sacred 4  
sacredness 1  
saintly 1  
saints 1  
salvation 2  
scholastic 1  
science 2  
scripture 1  
sect 3  
sectarian 2  
self 1  
service 3  
sheeney 1  
society 1  
solace 1  
somewhat 1  
soul 1  
spirituality 1  
stability 1  
standby 1  
study 1  
superstition 1

tabernacle 1  
table 1  
teaching 1  
temperament 1  
temple 2  
think 2  
thinking 1  
thought 12  
thoughtful 1  
training 1  
true 1

trust	1
truth	6
uncertain	1
uncertainty	1
unknowable	1
virtuous	1
vow	1
want	1
wickedness	1
wide	1
woman	1
wonder	1
wonderful	1
work	1
worship	14
worshipping	1
Yankee	1

#### 74. WHISKEY

abomination	1
alcohol	50
ale	1
amber	1
appetizer	1
apple	1
awful	1
bad	35
barley	1
barrel	2
bed	1
beer	46
beverage	9
biting	1
bitter	5
booze	10
Boston	1
bottle	29
brandy	24
breath	1
burn	1
burning	4
Carrie Nation	1
cider	3
closet	1
color	1

corn	1
curse	4
dangerous	1
dark	1
death	1
degradation	1
despised	1
destruction	1
devil	1
deviltry	1
Dewar's	1
disagreeable	1
discontent	1
disgust	1
distillery	1
distress	1
dope	1
dreadful	1
drink	232
drinks	1
drinking	17
drinkable	1
drug	1
drunk	31
drunkard	18
drunkards	3
drunkenness	26
evil	2
fast	1
fire	4
flask	1
fluid	4
food	1
full	1
gin	8
glass	3
good	15
grain	1
hard	1
headache	1
Hennessey's	1
hops	1
horror	1
hot	2
hotels	1
Hunter	1

indulge	1
indulgence	1
inebriety	1
insanity	1
intemperance	5
intoxicant	13
intoxicants	2
intoxicated	3
intoxicating	14
intoxication	14
jag	1
Kentucky	1
knock	1
law	1
liquid	12
liquids	1
liquor	70
malt	2
men	2
medicine	4
misery	1
money	1
moonshine	1
narcotic	3
nice	3
none	1
odor	1
old	1
pint	1
place	1
pleasant	1
poison	4
poor	1
poorhouse	1
powerful	1
prohibition	2
punch	1
rarely	1
red	2
ruin	1
ruination	1
rum	23
rye	9

saloon	15
saloons	1
Scotch	1
seasickness	1
sick	2
sickness	2
smell	2
smuggle	1
sorrow	1
sour	4
spirit	5
spirits	23
stimulant	88
stimulants	4
stimulating	1
stimulation	1
stomach	1
straight	2
strong	6
stupidity	1
suffering	1
taste	1
temperance	4
temptation	1
terrible	1
thirst	1
thirsty	1
tipsy	1
toddy	1
tooper	1
trouble	2
unhealthy	1
unpleasantness	1
warm	1
water	9
wine	16
wrong	1

#### 75. Child

adult	5
angel	8
babe	7
baby	193
bad	1
beautiful	8
beauty	5
being	8

bird	2
birth	2
blessing	2
body	2
born	1
boy	64
boys	3
burden	1
care	1
carriage	1
charm	1
childhood	1
childish	1
Christ	1
clothes	1
comfort	8
coming	1
companion	1
cradle	2
creep	1
crib	1
cries	1
cry	4
cross	1
cunning	1
cute	8
darling	1
daughter	2
dear	1
dearest	1
delight	1
disobedient	1
dog	1
doll	4
dress	4
dresses	1
Eleanor	1
Elizabeth	1
embryonic	1
expectation	1
family	2
fat	1
father	5
female	3
frolicsome	1
fun	2
fussy	1
future	1

girl	45
girls	2
glass	1
good	7
goose	1
Greta	1
growing	1
growth	1
habits	1
hair	1
happiness	2
happy	2
healthy	1
helpless	1
helplessness	1
home	6
hood	2
hospital	1
human	5
humanity	1
ill	1
immature	1
infancy	1
infant	122
injury	1
innocence	16
innocent	11
interesting	1
joy	1
juvenile	2
kid	4
kindergarten	1
labor	2
lady	2
large	2
like	1
little	11
lonely	1
loveable	1
love	8
loving	2
lovely	4
male	1
mammal	1
man	41
maternity	1

me	1
mite	1
mother	55
motherhood	1
naive	1
naughty	1
necessary	1
nephew	1
nice	1
night-dress	1
noise	1
nuisance	2
obedient	1
offspring	6
parent	6
parents	1
people	3
person	18
pet	1
play	14
playing	3
playful	3
pleasure	4
plump	1
precious	1
pretty	10
pupil	1
purity	1
rattle	1
religious	1
school	5
screaming	1
senses	1
simple	1
simplicity	1
sister	1
small	52
smile	1
son	2
spoiled	1
study	1
sweet	6
sweetness	2
table	1
tender	1
three	1
toys	1



trouble	1
weak	3
woman	18
young	30
youngster	2
youth	29
youthful	1

#### 76. BITTER

acid	8
acid	1
agreeable	1
ale	1
almond	4
almonds	3
aloe	4
aloes	6
altogether	1
alum	2
anger	3
apples	3
apple	1
apricot	1
astringent	1
bad	10
banana	1
beer	5
berry	1
biting	1
boneset	1
burdock	1
candy	1
cascara	1
chastisement	1
chickory	1
chocolate	1
cider	1
cold	6
cross	1
cup	1
deep	1
disagreeable	10
disappointment	1
dislike	2
distasteful	10
dregs	1

drink	2
enemy	2
feelings	1
flag	1
fruit	4
gall	42
good	2
grape	1
grapefruit	3
grass	1
grief	2
grudge	1
hatred	2
herb	2
herbs	5
hops	1
horrid	3
horseradish	1
icy	1
ill	1
irritating	1
lemon	8
lemons	1
lemonade	1
lessons	1
life	1
lines	1
liquor	1
love	1
magen	1
man	1
mandrake	1
medicine	37
Mirabar	1
morphine	1
nasty	3
nice	1
none	1
nux	1
offensive	1
olives	1
orange	3
peach	1

peel	1
pepper	9
persimmon	2
pickle	3
pickles	1
pleasant	1
plums	4
poison	1
puckering	1
quassia	1
quince	1
quinine	23
rank	1
sadness	1
salt	2
salts	2
sharp	3
sorrow	8
sound	1
sour	222
sourness	2
spice	1
strong	3
strychnia	1
strychnine	4
suffering	1
sweet	305
sweeter	1
tart	8
taste	66
tasteless	3
tasting	1
tea	1
tears	1
temper	1
thoroughwort	3
thought	1
tonic	1
tonics	2
trouble	1
turnip	1
ugly	3
unhealthy	1
unpalatable	1
unpleasant	19
unpleasantness	1
unsweetened	1
unwholesome	1

vegetables	1
vinegar	17
water	1
weather	1
wine	1
word	1
words	2
wormwood	2
wrong	1

## 77. HAMMER

action	2
annoyance	1
anvil	6
article	1
awl	1
axe	11
bang	3
beating	1
blacksmith	2
blow	6
board	2
bruiser	1
building	2
carpenter	13
carpentering	1
chisel	10
claps	1
claw	1
club	2
concussion	1
convenience	1
drive	17
drives	1
driving	5
door	1
easy	1
effort	1
finger	3
force	2
geology	1
handle	5

hard	53
hatchet	6
head	2
heavy	13
hit	21
horseshoe	1
hurt	1
hurts	1
implement	8
instrument	38
iron	45
J.	2
knife	1
knock	35
knocker	6
knocking	5
large	2
lost	1
mallet	3
mark	1
maul	1
metal	1
nail	185
nails	98
nailing	2
noise	36
nut	1
nuts	1
one	2
pain	1
picture	2
picture	1
plumber	1
pound	51
pounding	12
pounds	1
rap	1
repairs	1
revolver	1
road	1
rod	1
round	1
saw	9

scissors	1
shoemaker	1
shop	1
sledge	10
small	2
sound	9
spade	1
stay	1
steel	20
stone	1
strength	1
strike	28
striking	4
stroke	1
tack	3
tacks	11
Thor	1
thread	1
throw	6
throwing	1
thumb	1
thump	1
toe	1
tongs	29
tool	69
tools	3
turf	1
use	1
useful	5
utensil	1
weapon	3
weight	3
wood	6
work	8
working	2

## 78. THIRSTY

all	1
always	2
animal	1
appetite	3
bar	1
beer	4
beverage	1
bird	1
boy	1
brooks	1

cattle	1
child	2
cold	1
craving	4
cream	1
cup	2
desert	2
desire	4
desiring	1
dipper	1
disagreeable	1
discomfort	2
dog	2
drink	206
drinking	23
drought	8
dry	218
dryness	5
emotion	1
empty	1
exhausted	1
famished	1
fatigue	1
feeling	5
fluid	1
food	1
fountain	1
glass	1
good	1
hard	1
haste	1
heat	2
horse	1
hot	2
hunger	9
hungry	41
labor	1
lack	2
lawn	1
lemonade	7
liquid	1
longing	4
man	1
mouth	2

nauseated	1
oranges	1
pain	2
parched	3
parching	2
people	1
person	1
quench	12
quenched	4
refreshing	1
satiated	1
satisfied	3
sensation	1
soda	2
spring	3
stream	1
suffering	1
terrible	1
throat	1
tongue	1
uncomfortable	1
unpleasant	2
very	1
vichy	1
walk	2
want	9
wanting	2
warm	1
water	341
wench	1
wet	3
work	2

## 79. CITY

Albany	1
beautiful	1
big	9
Boston	5
bridges	1
Brooklyn	3
building	6



buildings	20
bulk	1
Burlington	1
business	1
busy	4
bustle	2
capital	6
cars	3
charming	1
Chicago	4
child	1
citizen	7
civilization	1
Cleveland	1
collection	2
community	5
complexity	1
confusion	1
congregation	1
corporation	2
country	74
Creal	1
Creal Springs	1
crowd	11
crowded	7
crowds	1
density	1
dirt	1
distance	1
earth	1
excitement	1
fine	1
fun	1
gaiety	1
good	1
government	1
governor	1
great	2
greatness	1
habitation	3
heat	1
hill	2
home	5
homes	1
hot	1
house	3

houses	52
immense	1
incorporated	1
incorporation	1
industry	2
inhabitant	1
inhabitants	12
inhabited	1
joy	1
land	2
large	62
largeness	1
life	2
live	7
loathing	1
location	2
lots	1
machinery	1
majority	1
Manhattan	1
manufacture	2
many	3
men	2
metropolis	6
mill	1
mountain	1
municipal	1
municipality	1
nation	1
New York	99
noise	12
noisy	6
park	1
pavement	1
people	48
place	37
pleasantness	1
populated	2
population	19
populous	1
Poughkeepsie	6
republic	2
residence	2
resting	1
rich	1

scene 1  
sea 1  
settlement 1  
shopping 1  
shops 1  
sights 1  
sin 1  
size 1  
slums 1  
small 1  
smoke 1  
space 2  
Springfield 1  
state 26  
stores 1  
street 3  
streets 11

tale 1  
ten thousand 1  
theatre 2  
theatres 1  
towers 2  
town 258  
towns 1  
township 1  
traffic 1  
traveling 1  
tumult 1  
turmoil 2

village 44

wagons 1  
welcome 1  
world 1

## 80. SQUARE

accurate 1  
acre 1  
across 1  
active 1  
airy 1  
angle 11  
angles 6  
angular 4  
arithmetic 1  
association 1

bed 1  
best 1

big	1
block	71
board	4
book	4
box	36
brick	2
broad	5
building	2
business	1
carpenter	9
carpet	1
cars	1
center	2
Chatham	1
checkers	1
circle	22
circular	1
city	4
Common	1
Commons	1
compass	5
concert	1
Copley	1
corner	7
corners	18
cornered	2
correct	1
correctness	1
cover	1
crackers	1
crooked	3
crowd	1
cube	9
cubic	1
cubical	1
curse	1
curve	1
deal	1
dealing	1
decoration	1
desk	2
Dewey	1
dice	4
die	1
door	2
Duesseldorf	1
earth	1
ease	1
equal	6
even	19

evenness	1
exact	1
fair	3
field	4
figure	4
file	1
flat	4
floor	1
foot	2
form	1
four	10
frame	1
furlong	1
garden	5
geometry	10
Getty	1
goods	1
grass	1
green	3
grounds	1
hand	1
handkerchief	2
Harlem	1
Herald	2
heavy	1
honest	3
honesty	1
house	5
houses	3
inch	2
inches	1
instrument	1
iron	1
just	1
justice	2
junction	1
kindergarten	1
knob	1
land	2
large	5
Lawrence	1
length	2
level	10
lines	2
little	1
long	18
lot	1

Madison	12
man	5
mark	1
marks	1
masonry	1
mathematics	2
meal	1
measure	5
measurement	2
measurements	1
metal	1
mile	2
monument	1
New York	1
object	2
oblong	32
obtuse	1
open	1
oval	5
paper	5
parallel	1
parallelogram	1
park	14
pavements	1
people	2
perfect	2
picture	1
Pillow	2
place	4
plane	1
plot	1
proportion	1
public	2
quadrangle	1
rectangle	15
rectangular	3
rhomboid	1
right	5
Rittenhouse	1
road	1
room	5
round	250
rule	9
ruler	3
saddle	1
seat	1

shape 6  
sharp 2  
side 1  
sides 6  
sidewalk 1  
size 1  
sizing 1  
small 6  
smooth 1  
solid 2  
space 1  
stand 2  
steel 1  
straight 7  
street 9  
streets 1  
sugar 1  
surface 1  
surveyor 1

table 47  
thoroughfare 1  
times 3  
tool 13  
tree 1  
trees 4  
triangle 11  
true 1

uneven 1  
uniform 1  
Union 4  
upright 2

village 8

Walk 1  
walks 1  
wall 1  
Washington 4  
wide 2  
window 1  
wood 5

yard 2

## 81. BUTTER

bad 2  
bill 2  
biscuit 2  
bread 206

breakfast	1
butter	1
butterine	1
cheese	41
churn	4
color	1
composition	1
cooking	1
cottolene	1
country	1
cup	1
cow	29
cows	11
cream	34
dairy	4
dairying	1
diet	2
dinner	2
dish	5
dripping	1
eat	34
eatable	12
eatables	2
eating	6
edible	1
egg	2
eggs	11
emollient	1
excellent	1
farm	1
farmer	1
fat	21
fatty	1
fish	1
flour	1
fly	7
food	63
fresh	3
fudge	1
goat	2
good	14
grease	76
greasy	6
grocer	1
healthful	1
indifference	1



ingredients	1
jam	3
jelly	2
kerosene	1
knife	7
lard	15
luxury	1
meal	1
meat	2
melt	1
melting	2
milk	101
molasses	1
mush	1
nourishment	1
nut	2
oil	9
oily	3
oleomargarine	5
peaches	1
plate	3
pleasant	1
plenty	1
pound	1
pure	1
rancid	2
salt	13
salty	3
salve	1
smear	1
smooth	1
soft	65
softness	2
sour	1
spoon	1
spread	3
square	1
strong	2
substance	1
sugar	4
supper	1
sweet	12
table	2

tallow	1
taste	2
tea	2
thin	1
tub	1
use	1
vegetable	3
yellow	80

## 82. DOCTOR

administer	1
aid	3
ailment	1
apparatus	1
attendant	2
bad	1
bag	1
beard	2
better	2
bill	3
bills	2
bottle	1
brains	1
brother	1
butcher	1
C.	1
C.	1
care	2
carriage	2
case	1
chief	1
clergyman	1
clever	1
college	1
convenient	1
cure	9
D.	1
D.	1
D.	1
death	1
dentist	6
disease	5
diseases	1
Divinity	1
doctress	1

dog 1  
driving 1  
Dr. 1  
druggist 2

education 2

fakir 2  
false 3  
father 2  
friend 3

G. 1  
G. 1  
gentleman 1  
good 17  
goodness 1  
great 1  
grip 2

healer 5  
healing 2  
health 18  
help 3  
helper 1  
helpful 1  
helpfulness 1  
home 1  
hospital 8

ill 5  
illness 21  
inquisitive 2  
intelligent 2  
interne 1  
invalid 1

K. 1  
K. 1  
killer 1  
kind 1

labor 1  
laboratory 1  
laborer 1  
lamp 1  
lawyer 36  
learned 1  
life 1

M. 1  
McC. 1  
McM. 1

magistrate 1  
male 1  
man 68  
mean 1  
medical 19  
medicine 149  
medicines 1  
merchant 1  
minister 7  
mister 1  
money 1  
murder 1

N. 1  
N. 1  
necessity 2  
need 1  
needed 1  
needful 1  
nice 1  
nurse 41  
nurses 1

O. 1  
office 1  
old 1  
one 1  
operation 1

P. 1  
pain 2  
papa 1  
patient 23  
patients 1  
people 1  
person 3  
pharmacist 1  
physical 1  
physician 213  
pills 1  
practitioner 2  
priest 6  
profession 9  
professional 3

quack 1

relief 6  
relieved 1  
remedy 1

S. 1  
satchel 3

science	2
scientist	1
sick	52
sickness	104
smart	3
student	1
suffering	1
supervisor	1
surgeon	5
surgical	1
syringe	1

tend	1
treatment	1
trouble	3
trust	1

useful	2
useless	1

W.	1
W.	1
W.	1
well	1
wise	1
woman	2
work	1

### 83. LOUD

angry	3
audible	1

band	1
bawl	1
bell	5
bells	2
birds	2
boisterous	38
boy	1
boys	2
bright	1

call	2
called	1
calliope	1
calm	1
cannon	12
check	1
child	1
children	1
city	1

clear	1
course	2
color	2
common	1
confusion	1
cornet	1
deaf	1
deafening	1
din	1
disagreeable	3
discontent	1
dislike	1
drum	3
ear	3
easy	12
explosion	4
fast	3
forte	1
game	1
gong	1
graphophone	1
gun	2
guns	1
hammer	2
hard	2
harsh	3
haughty	1
hear	6
heard	1
heavy	4
high	14
hog	1
holler	16
horn	4
impatient	1
knock	2
laugh	2
laughing	2
lofty	1
long	3
low	57
man	1
masculine	1
megaphone	1

mellow 1  
mild 1  
mouth 1  
music 7

noise 205  
noisy 112

objectionable 1  
ocean 1  
organ 1  
owl 1

pain 1  
painful 1  
people 1  
person 2  
phonograph 1  
piano 2  
piercing 1  
pistols 1  
power 1

quiet 32  
quietness 1

racket 1  
real 1  
report 1  
rough 2  
rude 2

S. 1  
scream 9  
sharp 2  
shock 1  
shout 6  
shouting 1  
shriek 1  
shrill 9  
shrinking 1  
silent 3  
sing 1  
singer 1  
singing 1  
slow 4  
smart 1  
smooth 1  
socks 1  
soft 165  
softly 1  
song 2  
sound 25

sounds 2  
speak 3  
speech 2  
spoken 2  
still 7  
stone 1  
strong 8  
subway 1  
sweet 1

talk 12  
talking 1  
talker 9  
thunder 9  
tie 1  
tone 1  
trolley 1

uncomfortable 1  
unpleasant 5

voice 27  
voices 1  
vulgar 4

whisper 2  
whistle 17  
wide 1  
wind 3

yell 3  
yelling 2

#### 84. THIEF

absence 1  
abstractor 1  
anger 1  
arrest 1

bad 14  
badness 1  
bandit 1  
bank 1  
beggar 3  
being 1  
betrayed 1  
boy 3  
burglar 118  
burglary 2

careful 2



catch	2
caught	4
caution	1
chief	1
clerk	1
clothing	1
court	4
crime	2
criminal	15
crook	3
cry	1
culprit	2
cute	1
dangerous	2
dark	4
deceit	1
detective	1
devil	1
dishonest	11
dishonesty	2
dishonor	1
dislike	1
distrustful	1
dirt	1
dog	1
dumb	1
enemy	1
evil	1
fear	2
felon	1
girl	1
glove	1
gold	2
good	1
harsh	1
honest	18
honesty	4
house	4
household	1
ignorant	1
injustice	1
interest	1
Irish	1
jail	11
jewelry	7
jewels	3

judge	1
jury	1
justice	2
killed	1
kleptomaniac	1
laugh	1
law	4
lawyer	1
liar	6
lock	1
loss	3
low	2
man	29
mask	1
McClure's	1
mean	4
meanness	1
men	1
mercenary	1
merchant	2
minister	2
mischief	1
misdemeanor	1
mistake	1
money	16
murder	5
murderer	3
necessity	1
neighbor	1
newspaper	1
night	16
none	1
noted	1
object	1
pencil	1
person	1
pickpocket	2
play	1
pocket	1
pocketbook	1
police	8
policeman	12
poor	1
prison	6
prisons	1
prisoner	1
punishment	2

purse	1
ran	1
rascal	4
reverses	1
revolver	1
rob	8
robber	126
robbery	10
rogue	19
roguish	1
run	1
running	2
scare	1
schemer	1
school	1
scoundrel	4
shot	1
silver	4
silverware	1
sin	1
Sing Sing	1
sinner	1
sly	1
snake	1
sneak	7
sneaking	3
sneaky	1
spoils	1
steal	212
stealing	69
steals	8
stole	9
stolen	9
stealer	2
stealth	1
stealthy	2
take	5
taking	3
time	1
tools	2
tramp	1
treasure	1
troublesome	1
trust	1
ugly	3
undesirable	1
unjust	1
unreliable	1

vagrant 1  
valuables 2  
vice 2  
villain 5  
virtue 1

want 1  
watch 3  
waywardness 1  
wicked 4  
wickedness 3  
window 1  
woman 1  
wretched 1  
wrong 3

#### 85. LION

Africa 4  
Androcles 1  
anger 1  
angry 2  
animal 326  
animals 3

bear 17  
beast 67  
beautiful 1  
beauty 1  
big 2  
bird 1  
bite 1  
blood 1  
boisterous 1  
bold 2  
Bostock's 1  
brave 4  
bravery 1  
Bronx 1

cage 14  
camel 1  
cat 6  
cave 1  
Christian 1  
circus 2  
claws 2  
cow 1  
crouching 1  
cruel 2  
cub 5  
cubs 2

danger	5
dangerous	6
death	1
den	13
desert	3
devours	1
disturber	1
dog	1
eat	1
eats	1
elephant	3
enraged	1
fear	3
ferocious	16
ferocity	1
fierce	36
fierceness	1
forest	6
fox	1
fright	1
frightened	1
giraffe	1
great	2
growl	1
hair	3
hearted	1
holler	1
horse	1
howl	1
huge	1
hungry	1
hunter	3
hunting	4
hyena	1
interested	1
jealous	1
jungle	5
jungles	1
king	16
L.	1
lamb	6
large	3
lioness	10
lionized	1

lookout	1
majestic	1
majesty	3
mane	13
menagerie	5
mice	1
mighty	1
monkey	1
mouse	27
mule	1
N.	1
noble	1
noise	1
panther	1
park	2
paw	1
picture	1
power	5
powerful	1
prey	1
rage	1
raging	1
revenge	1
roar	45
roars	3
roaring	6
Roosevelt	8
rough	1
savage	1
sea	1
shaggy	1
sharp	1
sheep	1
small	1
stealth	1
stealthy	1
story	1
strength	30
strong	15
Sultan	1
tame	4
tamer	1
tail	1
teeth	1
terrible	1
tiger	102
tigers	2

ugly	7
vicious	5
walks	1
wicked	2
wild	12
wildness	1
wilderness	2
wilds	1
wolf	10
woods	2
wool	1
wrath	1
yellow	1
zoo	5
zoology	1

#### 86. JOY

action	1
amuse	1
amusement	3
anger	1
angry	1
anticipation	1
arrival	1
automobile	4
ball	1
bird	1
birth	1
birthday	1
bitterness	1
bless	1
blessing	1
bliss	10
boy	1
bright	1
brightness	1
buoyant	1
cheer	1
cheerful	2
cheerfulness	3
child	2
children	1
Christmas	2
comes	1

comfort 11  
comfortable 1  
company 1  
complete 1  
concert 1  
contentment 1

dance 3  
dancing 5  
delight 6  
delighted 2  
delightful 2  
despair 1

ecstasy 1  
elated 2  
emotion 1  
engaged 1  
enjoyment 2  
excitement 3  
expression 2  
extreme 1  
exuberance 1

fair 1  
family 1  
feel 1  
feeling 5  
felt 1  
festivity 1  
fine 2  
food 1  
forever 1  
friends 1  
fullness 1  
fun 6

gaiety 1  
gay 1  
game 1  
gift 1  
girl 2  
girls 1  
glad 27  
gladness 44  
glee 3  
godliness 1  
good 7  
grand 1  
great 7  
grief 18

hands 1



happiness 215  
happy 71  
harmony 1  
health 1  
heard 1  
heart 3  
heaven 2  
holiday 1  
home 6  
hope 4

inexpressible 1

joking 1  
jubilant 1

lady 1  
laugh 7  
laughing 4  
laughter 15  
leap 1  
letter 1  
life 3  
light 2  
like 1  
line 2  
lonely 1  
lots 1  
love 6  
loving 2  
lovely 1

man 1  
marriage 2  
meeting 2  
merriment 1  
merry 1  
mirth 7  
money 1  
motherhood 1  
much 2  
music 5

news 1  
nice 2  
noise 1

outing 1

pain 1  
passing 1  
peace 23  
picnic 1

picnics 1  
pleasant 8  
pleased 3  
pleasure 121  
pride 1

quality 1

rapture 4  
rejoice 2  
rejoicing 1  
relief 2  
ride 7  
riding 2  
rider 1

sad 1  
sadness 13  
sailing 2  
Saturday 1  
seldom 1  
sensation 1  
shouting 1  
show 2  
sing 1  
singing 1  
smile 2  
smiling 1  
song 3  
sorrow 135  
sorry 1  
state 1  
suffering 1  
summer 1  
sunlight 1  
surprise 6  
sweet 4

time 2  
triumph 1  
trouble 3

unalloyed 1  
unattainable 1  
unhappiness 2  
unhappy 1

vacation 1

water 1  
wedding 1  
wetness 1

wish 1  
wonderful 1  
work 2  
wrath 1

youth 1

## 87. BED

animal 1  
asleep 1

baby 1  
bedding 3  
bedstead 4  
blanket 4  
blankets 3  
boat 1  
bowl 1  
brass 3  
bug 2

chair 11  
clean 2  
cleanliness 1  
clothes 12  
clothing 2  
comfort 35  
comforts 1  
comfortable 12  
cot 11  
couch 26  
counterpane 1  
cover 4  
covers 4  
covering 1

desired 1  
dormitory 1  
down 1  
dreamland 1

ease 1  
easiness 1  
easy 2

fatigue 1  
feathers 3  
flannels 1  
floor 1  
folding 2  
frame 1

furniture	26
go	1
good	7
hammock	2
hard	5
head	1
home	2
house	2
iron	9
joy	1
large	2
lay	8
laziness	1
lie	21
lounge	6
low	2
lying	8
make	1
marriage	1
mattress	21
narrow	1
negro	1
night	11
object	1
pan	1
patient	3
peace	1
pillow	17
pillows	7
pleasure	1
post	3
quilts	1
recline	1
recuperation	1
refreshing	1
repose	9
respite	1
rest	132
resting	5
restful	1
robe	1
room	16

seat	1
sheet	6
sheets	7
shoes	1
sick	2
sickness	5
sleep	345
sleeping	41
sleepiness	3
sleepy	7
slumber	3
sofa	7
soft	31
spread	5
spring	1
springs	1
square	1
stove	1
structure	1
table	2
tick	1
time	1
tired	7
twilight	1
Vassar	1
want	1
warm	1
weariness	1
white	2
whiteness	1
wide	1
wood	4

#### 88. HEAVY

air	1
animal	1
anvil	1
article	1
automobile	1
avoirdufois	1
baby	1
bad	1
bat	1
bed	2
big	3
body	1

books 3  
boulders 1  
box 1  
boxes 1  
boy 1  
bread 1  
brick 1  
building 1  
bullet 1  
bundle 4  
burden 12  
burdensome 3

cake 1  
cannon 1  
carpet 1  
carry 2  
carrying 1  
cement 1  
chair 1  
change 1  
cloth 1  
clothes 1  
cloudy 1  
coal 4  
coarse 1  
coat 1  
comfort 1  
cumbersome 1

dark 1  
difficult 1  
dirt 1  
disappointment 1  
discomfort 1  
dope 1  
drag 1  
drill 1  
drowsiness 1  
drowsy 10  
dull 3

effort 1  
elephant 3

F. 1  
fall 1  
feel 1  
firmness 1  
full 1

gold 3  
gorgeous 1

grief	1
grip	2
hammer	3
hard	38
head	2
heart	1
hearted	2
heft	1
help	1
horse	2
house	1
iron	70
irons	2
labor	1
laden	2
large	18
lead	60
lift	7
lifting	1
light	273
lightness	1
load	57
loadsome	1
loud	1
machine	1
man	4
marble	1
mountain	1
much	1
mud	1
muscle	1
myself	1
no	1
obliging	1
opposing	1
oppression	1
oppressive	1
package	1
pail	1
person	1
piano	1
ponderous	2
pound	1
pounds	1
pressure	2

quicksilver	1
quiet	2
rock	2
rough	1
safe	2
sand	1
satchel	1
scales	1
sharp	1
ship	1
short	1
sickness	1
sleep	3
sleeping	1
slothful	1
slumber	1
soft	5
soggy	1
solid	3
sound	1
steel	1
stone	17
stones	2
stout	2
stove	3
strain	1
strength	4
strong	3
study	1
suit	1
table	5
thick	3
things	1
thoughtful	1
tired	21
tiresome	2
ton	4
tough	1
trunk	3
uncomfortable	1
underwear	1
very	1
weak	1
weariness	3
weary	3
weather	1
weigh	1



weighing	1
weight	177
weighted	1
weighty	22
wood	4
work	2

## 89. TOBACCO

amber	1
anger	1

bad	10
bite	1
bitter	4
Bob	1
breath	1
brown	7

chew	28
chewing	13
cigar	19
cigars	17
cigarette	12
cigarettes	6
comfort	2
curse	1

death	1
decay	1
deviltry	1
dirty	6
disagreeable	3
disgust	1
disgusting	1
drug	3
Durham	1

elevate	1
enjoyed	1
enjoyment	1
execrable	1
exhilaration	1
evil	1

field	1
fields	1
filth	4
filthiness	1
filthy	1
food	1

garden	1
good	5
green	3
grower	1
growing	1
habit	12
habits	1
hard	1
herb	3
herbs	1
horrid	1
horrors	1
Indian	1
injurious	3
intoxicate	1
juice	7
leaf	17
leaves	2
light	1
liquor	1
lungs	1
luxury	2
man	3
men	1
narcotic	10
nasty	2
nausea	1
nicotine	18
none	1
not	1
nuisance	1
obnoxious	1
odor	3
odorous	1
opium	4
pipe	69
pipes	3
plant	38
plants	1
pleasant	3
pleasure	2
poison	6
poor	1
pouch	2
plug	1

refrain	1
ruin	1
scent	1
sensation	1
sin	1
smell	5
smoke	387
smoking	98
smoker	1
snuff	15
solace	1
spit	4
stalk	1
stars	1
stimulant	1
stimulants	1
strong	7
substance	1
suffocation	1
sugar	2
sweet	2
tasty	1
tobacco	1
unclean	1
unnecessary	2
unpleasant	2
unwholesome	1
use	2
used	1
useful	1
useless	2
vegetable	3
vice	1
Virginia	2
weed	44
weeds	1
whiff	1
whiskey	1
wickedness	1
yellow	1
90. BABY	
animal	1
beautiful	5

beauty	2
beginning	1
being	3
bib	1
big	1
birth	1
blessing	1
blue	1
body	2
bonnet	1
born	2
bottle	6
boy	32
bread	1
buggy	1
bundle	1
cap	1
care	3
carriage	28
cart	2
child	239
children	3
childhood	1
chubby	1
clothes	4
comfort	3
cradle	22
creation	1
crib	1
crooning	1
cross	2
cries	3
cry	37
crying	29
cunning	3
cute	8
cuteness	1
darling	4
daughter	1
delicate	1
dirty	1
doll	1
dress	6
embryonic	1
eyes	1
fair	1
family	2
fat	5
father	1

feet	1
female	1
flesh	1
food	1
friend	1
future	1
girl	26
good	1
goodness	1
growth	1
happiness	1
happy	1
harmless	1
helpless	1
helplessness	4
home	4
human	3
infant	168
infinitesimal	1
innocence	10
innocent	4
joy	7
jump	1
kid	4
lamb	1
laugh	1
laughing	2
Lawrence	1
life	2
light	1
little	12
Lorenzo	1
love	9
loveliness	1
lovely	1
mama	2
man	4
mankind	1
Mary	1
milk	1
mother	41
name	1
nice	5
noise	6
noisy	1

nuisance	3
nurse	7
offspring	2
pacifier	1
paper	1
person	2
pink	2
play	1
pleasant	1
pleasure	3
population	1
powder	1
pretty	7
rattle	4
rocker	1
round	1
Ruth	2
sex	1
sick	1
sickness	1
simple	1
simplicity	1
sister	2
sleep	4
slight	1
small	42
smallest	1
smiling	1
soft	3
softness	2
squalls	2
squeal	1
squealing	1
stout	1
sunshine	1
sweet	23
sweetness	7
syrup	1
talk	1
talks	1
tiny	1
trouble	5
two	1
walking	1
weak	1
weakness	1
wee	1

white 1  
wife 2  
woman 5

yell 2  
young 12  
youngster 1  
youth 4

## 91. MOON

astronomer 1  
astronomy 1  
atmosphere 1

ball 2  
beam 2  
beams 1  
beautiful 7  
beauty 6  
body 7  
bright 52  
brightness 7  
brilliant 1

calm 1  
change 1  
cheese 4  
circle 1  
circular 1  
clear 3  
clouds 2  
cold 4  
coldness 1  
crescent 8  
cute 1

dark 2  
delicate 1  
delightful 1  
dim 1  
distance 4  
dreaming 1

earth 5  
eclipse 3  
equator 1  
evening 6

fair 1  
fire 2

firmament	1
full	10
girl	1
globe	1
glowing	1
grand	1
great	1
guard	1
half	3
heaven	2
heavens	3
high	4
illumination	1
lady	1
lake	1
large	9
light	231
love	3
loveliness	1
lovely	2
lunar	3
man	8
moonlight	3
mountain	1
mystery	1
necessary	1
new	3
night	66
object	1
ocean	1
one	1
orbit	1
pale	2
planet	23
planets	1
pleasant	1
quiet	1
reflection	1
rise	1
rises	1
rising	1
round	33
satellite	4



sea	2
see	1
seeing	1
sentimental	1
shine	26
shines	4
shining	12
shiny	12
silver	4
silvery	6
size	1
sky	73
solar	1
sound	1
splendid	1
spoon	2
spooning	1
star	32
stars	93
starlight	1
steamer	1
stone	1
struck	2
sun	120
sweet	1
turkey	1
valuable	1
wan	1
water	2
white	8
wish	1
yellow	11

## 92. SCISSORS

apart	1
article	4
barber	2
blade	1
blades	1
blunt	1
cloth	35
clothing	1
cord	1
crooked	1

crossed	2
cut	347
cutting	114
cutlery	1
dress	1
dressmaker	2
dressmaking	3
dull	6
edge	1
fate	1
firecrackers	1
flowers	1
garments	2
glistening	1
goods	5
grating	1
grind	7
handle	1
handy	1
implement	6
instrument	36
instruments	1
knife	66
knives	6
lever	1
linen	1
lost	1
machine	2
material	1
metal	1
millinery	1
mother	1
nails	1
necessity	1
needle	4
needles	4
nickle	1
nippers	1
paper	6
point	1
pointed	1

razor	1
ruching	1
Sarah	1
screw	1
severing	1
sew	2
swing	10
sharp	190
sharpness	6
sharpen	1
shears	40
shut	2
silver	1
skirt	1
spool	1
steel	23
string	1
tailor	2
thimble	3
thread	4
tongs	1
tool	10
tools	1
trousers	1
useful	1
usefulness	1
utensil	1
weapon	1
woman	1
work	2

### 93. QUIET

action	1
alone	2
always	1
asleep	1
baby	2
beautiful	1
beauty	1
bed	1
behave	2
boisterous	5
bore	1
boy	1
breeze	1

brook	1
butterfly	1
calm	20
cattle	1
child	6
children	1
church	4
color	1
comfort	2
comfortable	1
composed	1
contented	2
country	21
Creal	1
cricket	1
cross	3
dark	3
darkness	1
day	8
death	2
degree	1
demure	3
disposition	1
docile	1
dreary	1
dull	1
dumb	1
ease	8
easiness	1
easy	49
evening	5
family	1
feeling	1
genteel	1
gentle	3
gentleman	1
girl	2
good	7
green	1
happy	1
harmless	2
harsh	1
heaven	1
home	6
hour	1
house	3
hospital	2

humble	1
joy	1
landscape	1
laughing	1
library	1
life	2
like	1
loneliness	1
lonely	3
lonesome	2
looks	1
lovely	1
loud	48
low	1
man	1
melancholy	1
mind	1
Miss K.	1
moon	1
mountains	1
music	1
myself	1
nature	1
nice	2
night	38
noise	50
noiseless	16
noisiness	1
noisy	113
nook	1
park	1
peace	12
peaceable	2
peaceful	52
peacefulness	4
people	2
person	11
place	4
pleasant	4
pleasure	3
quick	1
quite	2
rabbits	1
refined	1
relief	1
repose	6

reserved	1
rest	68
resting	4
restful	19
restless	2
room	6
rough	1
sad	1
sea	1
serene	1
sheep	1
sickness	1
silence	18
silent	15
sleep	24
sleeping	3
sleepy	1
slow	3
slowness	1
slumber	1
slumbers	1
smart	1
smooth	1
sober	1
soft	10
softly	1
softness	1
solemn	3
solitude	2
soothing	3
sound	4
soundless	2
speechless	1
state	1
steady	2
still	136
stillness	16
study	2
stupid	1
subdued	1
summer	1
Sunday	1
sweet	2
talk	2
time	1
times	1
timid	1
tomb	1
tranquil	1
tree	1
twilight	1

village	1
violent	1
voice	1
walk	1
water	1
well	1
Wilton	1
wish	1
wood	1
woods	10

#### 94. GREEN

apple	8
beautiful	2
bird	1
black	13
bloomy	1
blotter	2
blue	46
book	1
bright	5
brown	8
butterfly	1
cabbage	1
calm	1
carpet	1
cheese	1
cloth	3
color	200
colors	1
comfort	1
corn	1
country	1
covetous	1
cucumber	2
curtain	1
dark	8
Dartmouth	1
definite	1
dress	6
earth	2
envy	3
Erin	1
eyes	4

farmer 1  
favorite 1  
field 12  
fields 10  
flag 3  
flower 4  
flowers 2  
foliage 2  
food 1  
foolishness 1  
forest 1  
fresh 3  
fruit 1

gay 1  
glasses 1  
gold 1  
grand 1  
grapes 1  
grass 284  
gray 5  
grew 1  
grief 1  
ground 1

hat 1  
hill 1  
horn 2  
horrid 1  
hue 1

Ireland 6  
Irish 14

jealousy 1

landscape 1  
laurel 1  
lawn 5  
leaf 8  
leaves 13  
light 4

meadow 1  
meadows 1  
mountain 2

name 1  
nature 4

ocean 1  
olive 1  
orange 2



paint	3
paper	2
peaceful	1
peas	2
pink	11
plant	6
plants	1
pleasant	2
pleasing	1
pretty	4
purple	6
quiet	2
red	42
restful	6
ribbon	2
ripe	2
sea	2
shade	4
shamrock	2
shutters	1
sight	1
silk	1
sky	1
slow	1
small	1
soft	1
sour	2
spinach	1
spring	9
stain	1
summer	1
tea	1
tree	10
trees	29
unripe	1
vegetable	1
vegetables	1
verdant	3
verdure	1
warning	1
wearing	1
white	31
wood	1
woods	2

yellow 54  
young 1

## 95. SALT

acrid 1  
air 3  
apple 1  
apples 2  
article 1

barre 1  
barren 1  
bath 1  
beef 1  
bitter 40  
bowl 1  
box 1  
bread 2  
brine 2  
bromide 1  
butter 7

celery 2  
cellar 9  
chemical 2  
codfish 1  
condiment 2  
cook 1  
cooking 2  
cows 1  
cream 1

deposit 1  
digestible 1  
dinner 3  
dirt 1  
disagreeable 1  
dish 1  
drink 1  
dry 2

earth 5  
eat 17  
eatable 7  
eating 8  
eggs 2  
epileptics 1

finish 1  
fish 4

flavor	21
flavoring	3
food	46
France	1
fresh	11
glass	1
good	9
halite	1
ham	1
hard	4
horrid	1
ice-cream	1
ingredient	1
Kenilworth	1
kitchen	1
Lake	1
life	1
lot	1
mackerel	4
marsh	1
meat	18
meats	1
medicinal	1
melt	1
mine	2
mines	3
mineral	37
mustard	1
NaCl	1
necessary	5
necessity	3
needed	1
needful	1
nice	1
ocean	36
pantry	1
paper	1
pasture	1
pepper	142
petre	1
physic	1
pickles	1
pork	5
potassium	1

potato	2
potatoes	4
powder	1
preparation	1
preservation	2
preservatives	1
preserving	1
quotation	1
refreshing	1
relish	4
rock	7
rocks	1
saline	1
saltpetre	1
salty	3
sandwiches	1
Saratoga	1
saving	1
savor	10
savory	1
sea	18
season	12
seasoning	31
shake	2
shaker	4
sharp	8
sheep	1
smart	1
snapping	1
sodium	1
soup	2
sour	18
spice	5
spill	1
stickiness	1
sugar	88
sweet	27
Syracuse	1
table	14
tart	2
taste	87
tasting	1
tasteful	2
tasty	6
tasteless	1
temper	1
thirst	4
thirsty	2
trees	1

use	7
useful	2
uses	1
using	1
vegetable	5
vegetables	1
victuals	1
vinegar	1
water	34
wet	2
white	36

## 96. STREET

air	1
alley	18
asphalt	6
automobiles	1
avenue	63
avenues	1
better	1
bitter	1
block	12
boulevard	3
Bowery	1
boy	2
brick	1
broad	2
Broadway	6
Brooklyn	1
building	1
business	1
busy	4
byway	1
car	10
cars	8
carriage	1
city	82
Clarkson	1
clean	7
cleaner	1
colors	1
confusion	1
congestion	1
corner	2
country	1

crooked 2  
cross 1  
crowd 3  
crowded 1

dark 1  
Devon 1  
direct 1  
directions 1  
dirt 4  
dirty 5  
distance 1  
drive 1  
driving 1  
driveway 2  
dry 1  
dust 4  
dusty 5  
dwellings 1

earth 1  
Eighty-sixth 1  
Eleventh 1  
Elm 1  
even 1

fertile 1  
Fifteenth 1  
fine 1  
flags 2  
Forty-third 1

garden 1  
going 1  
gravel 1  
gutter 2

hard 1  
heat 1  
Hester 1  
highway 7  
home 1  
horses 2  
hot 1  
house 11  
houses 21  
hustle 1

land 3  
lane 21  
large 1  
length 1  
light 1

live 2  
location 2  
lonely 1  
long 29

Main 5  
Market 1  
Maxfield 1  
motion 1  
mud 1  
musician 1

name 2  
narrow 21  
New York 3  
nice 1  
noise 8  
noisy 5  
number 12  
numbers 1

One-fifteenth 1  
One-sixteenth 1  
opening 1

passage 11  
passageway 1  
passway 2  
path 12  
pathway 2  
pave 1  
paved 13  
pavement 25  
paving 1  
pebble 1  
pecan 1  
people 22  
place 16  
Pleasant 2  
Pleasure 1  
pretty 2

racket 1  
residence 1  
road 91  
roads 4  
roadway 2

see 1  
shopping 1  
short 3  
sidewalk 26  
sidewalks 2

Sixty-seventh 1  
Sixty-third 2  
smooth 2  
space 1  
square 4  
stone 8  
stones 8  
straight 17  
sun 1  
sweep 1

tenements 1  
terrace 1  
thoroughfare 23  
town 26  
tracks 1  
traffic 7  
travel 8  
tree 1  
trees 1  
trolley 2  
turmoil 1

vehicles 1  
village 9

wagon 3  
wagons 2  
walk 78  
walking 23  
walks 2  
Wall 1  
Washington 1  
way 14  
wet 1  
white 1  
wide 35  
width 1  
Woodhull 1

#### 97. KING

Albert 1  
all 1  
Alphonso 3  
antiquity 1  
Arthur 1  
authority 4

bad 1  
boss 1



card	1
cards	1
chess	2
chief	1
command	3
commanding	1
commander	9
conqueror	2
country	13
court	1
courtier	1
crown	63
crowned	2
daughter	1
diamonds	1
dignity	1
dislike	1
dog	1
duke	1
Edward	30
emperor	11
empire	3
England	20
ermine	1
family	1
farce	1
first	1
fool	1
foreign	1
friend	1
garment	1
George	2
glory	1
good	1
govern	1
government	4
governor	6
great	2
greatness	1
Hamlet	1
happy	1
head	8
helmet	1
Henry	2
high	2
Holland	1
honorable	1

horrible	1
imperial	1
inheritance	1
Italy	1
John	1
judgement	1
Kaiser	2
king	1
kingdom	5
large	1
law	1
leader	2
lion	1
lord	1
Louis XVI.	1
loyal	1
majestic	1
majesty	8
male	2
man	43
master	3
mean	1
Midas	1
monarch	49
monarchy	4
nation	1
nobility	1
noble	3
nobleman	2
none	1
officer	1
old	1
palace	2
person	6
picture	1
pompous	2
Power	18
powerful	4
president	4
princess	1
Prussia	1
queen	354
regal	1

regent	1
reign	8
rich	1
Richard	1
royal	2
royalty	5
rule	10
rules	4
ruler	162
saxony	1
scepter	2
slave	1
somebody	1
sovereign	8
Spain	1
stories	1
subject	2
supreme	1
throne	21
title	1
town	1
tyrant	1

## 98. CHEESE

American	2
bacteria	1
bad	2
beer	2
biscuit	1
bitter	6
box	2
bread	56
brick	1
butter	136
buttermilk	2
cake	8
Camembert	2
casein	1
chalk	1
cheesecloth	1
churn	1
cloth	4
cold	1
color	4
corn	1
cow	9
cows	3

cracker	1
crackers	30
cream	30
creamery	1
crust	1
curd	9
curds	3
cut	2
cutter	1
dairy	4
delicatessen	2
derby	1
diet	2
digestible	1
digestion	1
dinner	2
dish	1
dislike	4
Dutch	1
eagle	1
eat	67
eating	29
eaten	1
eatable	19
eatables	3
edible	1
eggs	2
factory	1
fat	2
feast	1
fine	1
fondness	1
food	91
fresh	2
fromage de Brie	1
good	15
green	5
grocer	1
grocery	1
ham	1
hard	2
head	1
heap	1
hole	2
holes	2
holey	2
hoops	1
hunger	1

hungry	1
indigestion	1
jam	1
kind	1
knife	4
Limburger	13
lump	1
lunch	2
macaroni	1
maggot	1
maggots	2
meat	1
mice	25
microbes	1
mild	1
milk	106
milky	1
mixture	1
moon	2
mould	1
mouldy	1
mouse	13
mustard	2
nice	1
nourishment	1
nutrition	1
odor	9
odorous	1
pickles	1
pie	6
plain	1
plate	1
poor	1
poultry	1
price	1
product	2
rarebit	4
rat	8
rats	7
red	1
resentment	1
rich	1
Roquefort	4
rough	1

round	2
sage	1
salt	1
sandwich	8
sandwiches	2
sauce	1
scent	1
Switzer	2
sharp	3
skippers	1
smell	33
smells	1
soft	7
solid	2
sour	5
strengthening	1
strong	12
sugar	1
supper	5
sweet	2
Swiss	16
Switzerland	1
taste	8
tasty	1
thin	1
vegetable	5
vegetables	1
wafers	1
white	3
worms	1
yellow	32

#### 99. BLOSSOM

apple	50
apples	4
art	1
beautiful	10
beauty	9
beginning	1
berries	1
bloom	28
blooming	7
blow	1
book	1

bright	4
bud	23
buds	3
bursting	1
bush	1
bushes	2
buttercups	1

cherries	5
cherry	4
clematis	1
clover	1
color	5
colors	1
country	1

dainty	1
daisy	2
delicate	1

eat	1
-----	---

fair	2
falling	1
falls	1
field	3
flower	467
flowers	73
foliage	1
forth	2
fragrance	6
fragrant	4
frail	1
fruit	39

garden	2
gin	1
girl	1
green	1
grow	2
growth	2

handsome	1
happiness	1
hepatica	1

leaf	3
leaves	1
lilacs	2
lily	1

magnificent	1
May	2

mimosa	1
nice	1
odor	2
orange	2
orchard	2
pansies	1
pansy	1
peacefulness	1
peach	4
petal	1
petals	1
picking	1
pink	7
plant	13
pleasure	1
plum	1
pour	1
pretty	15
red	3
rose	17
roses	4
scent	1
seeds	1
shrubberies	1
small	1
smell	2
soft	1
spring	23
sprout	1
stem	1
summer	4
sun	1
sweet	15
T.	1
tree	40
trees	17
vine	1
violet	3
weeds	1
white	8
yellow	2
youth	1



## 100. AFRAID

accidents	1
action	1
alarm	2
always	2
anger	3
angry	2
animal	2
animals	2
anxiety	1
automobile	2
awful	1
backwardness	1
bad	2
bashful	2
battle	1
bears	1
blow	1
bold	2
boy	1
brave	18
bravery	1
brother	1
burglar	3
burglars	2
careful	1
cat	2
cheerfulness	1
child	8
children	1
cold	1
comfort	1
comforted	1
company	1
confidence	1
conscience	1
courage	11
courageous	5
cow	1
cows	1
coward	53
cowardice	5
cowardly	3
crowd	1
crying	1
danger	15
dangerous	2
dare	1

dark	114
darkness	16
death	2
deep	1
depressed	1
desire	1
dislike	1
do	1
dog	1
dogs	1
don't	1
doubt	1
dread	7
dreading	1
dreadful	1
dream	1
emotion	2
faith	2
fear	197
fearful	8
fearless	8
feeling	2
fierce	1
forward	1
fright	9
frighten	2
frightened	48
frightful	1
frog	1
gallant	1
ghost	4
ghosts	2
girl	1
go	4
goblins	1
God	1
guilty	1
happy	1
harm	2
heart	1
heroism	1
hide	1
home	1
hope	1
horse	1
hurt	1
insect	1

joy	1
joyful	1
licked	1
lightning	1
lion	3
loneliness	1
lonely	3
lonesome	5
loss	1
man	3
manner	1
memory	1
mild	1
Miss K.	1
mice	1
mouse	2
need	1
nerve	2
nerves	1
nervous	55
nervousness	4
never	3
night	12
no	3
nobody	1
noise	2
noisy	1
not	1
nothing	5
obsession	1
opposition	1
palpitation	1
patient	1
patients	1
plucky	1
police	1
quiet	1
rat	1
rats	1
retreat	1
riot	1
robbers	2
rocks	1
run	4
running	1

scare	1
scared	106
scary	1
scream	1
sensitive	1
shiver	1
shrinking	2
shudder	1
shy	2
sickness	1
sleep	1
soldier	1
somebody	1
sore	1
sorrow	2
sorry	1
spirit	1
spiritual	1
startled	1
startling	1
stay	1
stillness	1
strong	1
suddenness	1
suffering	1
sure	1
tempted	1
terrified	1
terror	9
thief	3
thought	1
threaten	1
thunder	1
timid	55
timidity	2
to-night	1
tremble	2
trouble	1
trust	1
unable	1
uncertain	1
uneasy	5
unhappiness	1
unknown	1
unprotected	1
woman	1
women	1
worried	1
worry	3

## APPENDIX TO THE FREQUENCY TABLES

### General Rules

1. Any word combination which is to be found in the frequency tables, but only in the reverse order from that in which it occurs in a test record under consideration, is to be classed as a normal reaction.

2. Any reaction word which is a synonym or an antonym of the corresponding stimulus word is to be classed as normal.

### 1. TABLE

Any food or meal.

Any room or apartment

Any article of table linen, china, silver, or furnishings.

Word designating any special variety of tables.

Any word pertaining to appetite.

### 2. DARK

Any source of illumination.

Any enclosure from which light is wholly or in a large measure excluded.

Word referring to physiological pigmentation of tissues exposed to view.

Any division of the diurnal cycle.

Any color or coloring material.

Anything which obscures light.

### 3. MUSIC

Any musical instrument.

Name of any composer or musician.

Special or general name of any musical composition.

Term designating rhythm, tempo, loudness, or pitch.

Name of any dance.

Term expressing subjective effect of music.

#### 4. SICKNESS

Term designating any disease, symptom, injury, or physiological function.

Any cause of disease.

Any means or measure of treatment of disease.

Any anatomical organ or region.

Word denoting mode of termination, results, consequences, or indirect effects of disease.

Any term of prognostic import.

Common or proper name of any person.

#### 5. MAN

Word denoting or implying age of a person.

Any of the well-known male sexual characteristics.

Occupation or profession more or less peculiarly masculine.

Word pertaining to familial relationships or domestic organization.

Word pertaining to sexual relationships; any word denoting the opposite sex.

The proper name of any male person.

Any article of male apparel.

#### 6. DEEP

Any vessel or container.

Any natural or artificial body of water.

Any depression of surface.

Any object naturally situated or often artificially placed at a comparatively great distance below the surface.

Any act of progress from surface to depth.

## 7. SOFT

Any article of food.

Any fabric.

## 8. EATING

Any article of table linen, china, or silver.

Any organ of digestion; any function of nutrition.

Any article of food; any meal.

Any private or public eating place.

Word denoting taste.

## 9. MOUNTAIN

Name of any mountain, mountain range, or mountainous country.

Word pertaining to shape, geological composition, fauna, or flora of mountains or mountainous regions.

Any term of physical geography.

## 10. HOUSES

Any place of house location.

Any part of a house.

Any material used in the construction of a house.

Any part of the process of construction of a house.

Laborer or mechanic having to do with the construction of a house.

Any commercial term pertaining to ownership, taxes, mortgages, sale, renting, or occupancy of a house.

Any article of furniture.

## 11. BLACK

Any object or substance that is always or often black or dark in color.

Any color.

Word denoting limitation or obscuration of light.

Any word clearly related to the word Black used as a proper name.

## 12. MUTTON

Any article of food; any meal.

Any animal, or class or group of animals, whose meat is used for human consumption as food.

Any article of table linen, china, silver; any cooking utensil.

Word designating any person engaged in the preparation of meats for consumption.

Word denoting any process employed in the preparation of meats for consumption.

## 13. COMFORT

Any agreeable or disagreeable subjective state.

Any object, act, or condition that contributes to comfort or produces discomfort.

## 14. HAND

Any simple function of the hand; work requiring special manipulation.

Word denoting skill or any degree of skill.

Any part or any tissue of the body.

## 15. SHORT

Any word involving the concept of duration.

Common or proper name of any person.



Any word denoting shape, relative or absolute dimension, or distance.

Any object in which characteristically one dimension exceeds any other.

#### 16. FRUIT

Any article of food; any meal.

Any process employed in the cultivation of fruits or in their preparation for consumption.

Word designating any person engaged in the cultivation of fruits or in their preparation for consumption.

Any article of table linen, china, or silver.

#### 17. BUTTERFLY

Any bird, worm, or insect

Any flower.

Any color.

#### 18. SMOOTH

Any object possessing a smooth surface as a characteristic feature.

Any fabric.

#### 19. COMMAND

Word denoting any means of influence of one mind upon another intended to produce acquiescence.

Word denoting or implying acquiescence or lack of it.

Term applied to any commanding officer or to any person in authority.

#### 20. CHAIR

Any article of furniture.

Any room or apartment

#### 21. SWEET

Any substance having a sweet taste.

Common or proper name of a child' or woman.

## 22. WHISTLE

Any instrument or any animal producing a shrill musical sound.

## 33. WOMAN

Word denoting or implying age of a person.

Any of the well-known female sexual characteristics.

Occupation or profession more or less peculiarly feminine.

Word pertaining to familial relationships or domestic organization.

Word pertaining to sexual relationships; any word denoting the opposite sex.

Name of any female person.

Any article of female apparel.

## 24. COLD

Name of any location characterized by low temperature.

Any illness or symptom which may be caused by exposure to cold.

Any division of the annual cycle.

Any food that is always or often served cold.

Any means or measure of protection against cold.

Any state of the natural elements causing a sensation of cold.

Word denoting subjective characterization of or reaction to cold.

## 25. SLOW

Any means or manner of locomotion.

Any word involving the concept of rate of progress with reference either to time or to intensity of action.

Common or proper name of any person.

## 26. WISH

Word implying fulfillment of a wish either by achievement or through acquiescence.

Word implying non-fulfillment of a wish.

Word denoting any state of longing or anticipation.

Word denoting any state free from longing or anticipation.

Word denoting a prayer or request.

Word denoting a state of happiness.

## 27. RIVER

Any body of water.

Any part of a river.

Any plant or animal living in rivers.

Any term of physical geography.

Any vessel or contrivance for navigation.

## 28. WHITE

Any object or substance that is always or often white or very light in color.

Any color.

Any word clearly related to the word White used as a proper name.

## 29. BEAUTIFUL

Any word denoting aesthetic pleasure.

Name or any female person.

Any product of the fine arts or of decorative handicraft.

Any decorative plant or flower.

Any article of attire.

Natural scenery.

Any division of the diurnal cycle.

### 30. WINDOW

Any word pertaining to illumination.

Word pertaining to movements of air.

Any attachment to a window for the control of transmission of light or air.

Any building or apartment

### 31. ROUGH

Any object or substance which is characteristically rough to the touch.

Word denoting or implying irregularity of surface.

Any skin lesion which may impart to the skin the quality of roughness.

Any word implying carelessness, lack of consideration, or crudeness; any word used to designate action or conduct which may be characterized as careless, inconsiderate, or crude.

### 32. CITIZEN

Any word pertaining to political organization, or to factors either favorable or unfavorable to it.

Any term or proper name of political geography.

Common or proper name of any male person.

### 33. FOOT

Any means or manner of locomotion involving the use of the feet.

Any part or any tissue of the animal body.

Any article of foot-wear.

Any way constructed or used for walking.

Any unit of linear measure.

#### 34. SPIDER

Word employed to designate subjective characterization of or reaction to an object of dislike.

Any insect.

Word pertaining to the characteristic habits of spiders, with reference either to location and construction of nest, or to manner of catching prey.

#### 35. NEEDLE

Any material used in making clothes.

Any special sewing operation; any occupation in which sewing constitutes part of the work.

Any special kind of needles.

Any instrument which is used in connection with a needle in any operation, or of which a needle forms a part.

#### 36. RED

Word which may be used to express subjective characterization of the red color.

Any object or substance which is always or often red in color.

Anything which is by convention or common usage connected with the red color.

Any organ, tissue, or lesion, exposed to view, which may have a red color imparted to it by the blood or by physiological pigment

Any color or coloring material.

Any word implying light through incandescence.

#### 37. SLEEP

Word denoting somnolence or a state of lowered consciousness; anything which is a cause of somnolence or of lowered consciousness; anything which induces a desire to sleep.

Word denoting a state of active consciousness or a transition from lowered to more active consciousness.

Any division of the diurnal cycle.

Any word more or less commonly used to characterize sleep in any way.

Any article of bedding, bed-linen, or night-clothes.

Any article of furniture used for sitting or lying.

### 38. ANGER

Any affective state; any common demonstration of emotion.

Any common cause or provocation of anger.

Action or conduct caused by anger; word used to characterize such action or conduct.

### 39. CARPET

Any material of which carpets are made.

Any article of house furniture, hangings, or decorations.

Word denoting home, house, or any part of a house.

Word pertaining to the manufacture or care of carpets, or denoting a person engaged in the manufacture, sale, or care of carpets.

Any country especially noted for the manufacture of carpets or rugs.

Any color.

### 40. GIRL

Word denoting or implying age of a person.

Any of the well-known female sexual characteristics.

Occupation or profession more or less peculiarly feminine.

Word pertaining to familial relationships or domestic organization.

Word pertaining to sexual relationships; any word denoting the opposite sex.

Name of any female person.

Any part of a person's body.

Any article of female apparel.

#### 41. HIGH

Any word denoting or implying skill, training, achievement, or position.

Any word denoting or implying valuation.

Any architectural structure.

Any object of which the vertical dimension characteristically exceeds any other.

Any act of progress from a lower to a higher level.

Name of any mountain or mountain range.

Anything characteristically situated at a high level.

Anything characteristically variable in height.

#### 42. WORKING

Any occupation, profession, art, or labor.

Direct results or consequences of work.

Any place of employment.

Rest, recreation, inaction, or disinclination to work.

Word denoting energy, material, capital, equipment.

#### 43. SOUR

Any substance or object which is always or often sour in taste.

Any word denoting a taste or flavor quality.

#### 44. EARTH

Any substance which enters into the composition of soil.

Word pertaining to the utilization or cultivation of natural resources; any product of agriculture.

Any term of physical geography, geology, mineralogy, meteorology, or astronomy.

#### 45. TROUBLE

Any affective state.

Any general cause of active emotional states.

Any common manifestation of emotion.

Word denoting or implying defeat.

Word denoting or implying caution or lack of it.

Any task.

#### 46. SOLDIER

Word pertaining to military organization.

Word pertaining to any military operation.

Word pertaining to military discipline or to military decoration.

Any article of military or naval equipment or attire.

Common or proper name of any male person.

Name of any country.

Word pertaining to political organization.

#### 47. CABBAGE

Any article of food; any meal.

Any article of table linen, china, silver; any cooking utensil.

Any process of cooking.

Word used to designate any person engaged in the cultivation of cabbages or in their preparation for consumption.

#### 48. HARD

Any solid article of food.

Word denoting or implying impact.



Any task or labor.

Any substance which is hard or unyielding.

Any agency or process by which a substance is solidified or hardened.

Any article of furniture used for sitting or lying.

Any trait of disposition characterized by lack of readiness to yield or lack of consideration for others.

#### 49. EAGLE

Any bird.

Any piece of currency.

Anything in connection with which the word eagle is used in a symbolic sense.

#### 50. STOMACH

Any anatomical organ or region.

Any article of food; any meal.

Word pertaining to ingestion and assimilation of food.

Term denoting health or disease; any medicament.

#### 51. STEM

Any object which has a stem.

Any part of a plant.

Any object which is long, slender, and more or less rigid.

#### 52. LAMP

Any means or source of illumination.

Word denoting or implying illumination.

#### 53. DREAM

Any product of imagination.

Any psychical phenomenon; any part of the psychical organ.

Word denoting or implying unreality or uselessness.

Word denoting or implying mystery or occultism.

Any division of the diurnal cycle.

Any article of bedding, bed-linen or night-clothes.

Any article of furniture used for sitting or lying.

Any narcotic substance.

#### 54. YELLOW

Word which may be used to denote subjective characterization of the yellow color.

Any object or substance which is always or often yellow in color.

Any color or coloring material.

#### 55. BREAD

Any article of food; any meal

Any article of table linen, china, or silver; any cooking utensil.

Any private or public eating place.

Word pertaining to ingestion and assimilation of food.

Any ceremony in connection with which bread is used.

#### 56. JUSTICE

Any word implying crime or tendency to crime, legal trial, retribution or lack of it, or repentance.

Any officer of the law.

Word pertaining to judiciary organization.

Word denoting any kind of ethical relationship.

Any deity.

The name of any justice or judge.

Any function of a judicial authority.

Any word denoting or implying equality.

#### 57. BOY

Word denoting or implying age of a person.

Word pertaining to familial relationships or domestic organization.

Word pertaining to sexual relationships; any word denoting the opposite sex.

Common or proper name of any male person.

Any part of a person's body.

Any article of male apparel.

Any common boys toy or game.

Word pertaining to educational organization.

#### 58. LIGHT

Any source, apparatus, or means of illumination.

Any color or coloring material.

Word implying light through incandescence.

Any term of optics; any optical phenomenon.

Any object or substance which is characteristically light in weight.

#### 59. HEALTH

Any emotion; any common manifestation of emotion.

Any disease or symptom.

Word pertaining to prevention or treatment of disease.

Word pertaining to any normal bodily function.

Word pertaining to the preservation of health.

Word denoting or implying a state of health.

Any athletic sport or form of exercise.

Any anatomical organ or region.

#### 60. BIBLE

Name of any personage mentioned in the Bible.

Any religion or religious denomination.

Any name or attribute employed in reference to the Deity.

Any article or act of religious ritual.

Word denoting or implying belief, disbelief, or doubt.

Any term of theology.

#### 61. MEMORY

Word pertaining to operations, faculties, endowment, training, or condition of the mind.

Word denoting any degree of accuracy.

Word denoting the cranium; any part of the psychical organ.

Word pertaining to the past.

Any word implying transiency.

Any subject of study involving the exercise of memory.

Any method or means for the reinforcement of memory.

Any of the senses.

Word denoting retention.

#### 62. SHEEP

Any animal raised or hunted for clothing material, for food, or for its services as a beast of burden.

Any product manufactured from the skin or wool of sheep.

Any of the more or less distinctive characteristics of sheep.

Any food product derived from sheep.

### 63. BATH

Word denoting or implying an effect of bathing on the body.

Any body of water.

Any kind of bath; any part of bath, lavatory, or toilet equipment.

Any material of which a bathing equipment is largely made.

Word denoting a state of partial or complete undress.

Any beach or bathing resort.

Any aquatic feat of gymnastics.

### 64. COTTAGE

Word pertaining to landscape gardening.

Any place of cottage location.

Any part of a house; any color.

Any material used in the construction of a cottage.

Any laborer or mechanic having to do with the construction of a cottage.

Any part of the process of construction of a cottage.

Any commercial term pertaining to ownership, taxes, mortgages, sale, renting, or occupancy of a cottage.

Any article of furniture.

### 65. SWIFT

Any means or manner of locomotion.

Word denoting or implying motion or rate of motion.

Any animal or familiar object characterized by rapid locomotion.

Any word clearly related to the word Swift used as a proper name.

### 66. BLUE

Word which may be used to express subjective characterization of the blue color.

Any object or substance which is always or often blue in color.

Anything which is by convention or common usage connected with the blue color.

Any organ, tissue, or lesion, exposed to view, which may have a blue color imparted to it by the blood or by physiological pigment.

Any color or coloring material.

#### 67. HUNGRY

Any animal.

Any article of food; any meal.

Word denoting taste or flavor.

Word denoting or implying privation or torture.

Any article of table linen, china, or silver.

Any private or public eating place.

Any organ of digestion; any function of nutrition.

Word designating any person engaged in the preparation or sale of foods.

#### 68. PRIEST

Any religion or denomination.

Any article or act of religious ritual.

Any term of theology.

Word denoting or implying sanctity.

Word denoting or implying belief, disbelief, or doubt.

Word pertaining to church organization.

Proper name of any priest.

Any article of clerical attire.

Any profession more or less peculiarly masculine.

#### 69. OCEAN

Any body of water.

Any plant or animal living in the ocean.

Any term of physical geography.

Any vessel or contrivance for navigation.

Word pertaining to navigation; any nautical term.

Common or proper name of any place bordering on the ocean.

Any aquatic feat of gymnastics.

#### 70. HEAD

Any organization which has a person occupying the highest office.

Word denoting or implying the highest office of any organization.

Any intellectual faculty, quality, or operation.

Any part of the head.

Any pathological condition affecting the head.

#### 71. STOVE

Any part of a stove.

Any kitchen utensil.

Any artificial heating apparatus; any fuel.

Any manner of cooking; any person engaged in cooking food.

Any article of household furniture.

#### 72. LONG

Any word involving the concept of duration.

Word denoting shape, relative or absolute dimension, or distance.

Any object in which characteristically one dimension exceeds any other.

#### 73. RELIGION

Any religion or denomination; the name of any race or nation.

Any term of theology.

Any branch of metaphysical philosophy.

#### 74. WHISKEY

Any beverage; the name of any brand of whiskey.

Any material of which whiskey is made.

Word denoting taste or flavor.

Any occasion or ceremony commonly associated with the use of alcoholic beverages.

Word denoting a state of lowered consciousness.

Any physiological or pathological effect of alcohol; also any well known, indirect effect.

#### 75. CHILD

Word denoting or implying age of a person.

Word pertaining to familial relationships or domestic organization.

Name of any person.

Any part of a person's body.

Any article of a child's apparel.

Any common child's toy or game.

Word pertaining to educational organization.

Any word descriptive of the natural physical or mental make-up of a child, or of the rate or degree of physical or mental development.

Word pertaining to any custom or ceremony connected with the birth or rearing of children.

Any term of obstetrics.

Any word clearly related to the word Child used as a proper name.

#### 76. BITTER



Any substance having a bitter, sour, sweet, or salt taste, or a complex taste quality which may be characterized as strong.

Word denoting a taste or flavor quality.

Any organ of taste.

Any word in connection with which the word bitter may be used in the sense of poignant.

#### 77. HAMMER

Any tool or weapon.

Any trade involving the use of a hammer.

#### 78. THIRSTY

Any beverage.

Any animal.

Word denoting taste or taste quality.

Any part of the upper end of the digestive tract.

Any drinking place; any container of a beverage.

Any fruit; any dessert.

Any food ingredient commonly known to excite thirst.

#### 79. CITY

Name of any division of political geography.

Any architectural structure.

Any part of a city.

Word pertaining to the political organization of a city.

#### 80. SQUARE

The name of any city.

The name of any square in a city or town.

Any geometrical figure or part of one.

Any object that is always or often square in shape.

Any device used in the arts for measuring angles, arcs, or distances between points.

Any part of a carpenter's or draughtsman's square.

Any trade involving the use of the square.

#### 81. BUTTER

Any article of food; any meal.

Any article of table linen, china, or silver; any cooking utensil.

Any process of cooking.

#### 82. DOCTOR

The name of any physician.

Any medical speciality or practice.

Any medical or surgical procedure.

Any therapeutic remedy or method.

Any organization for the treatment of disease.

Name of any injury or disease.

#### 83. LOUD

Any sound or sound quality.

Any part of the human vocal apparatus.

Any act of vocalization.

Any musical instrument.

Any apparatus for making sound signals.

Word denoting renown or commendation.

#### 84. THIEF

Word denoting crime or wrongdoing.

Word denoting any circumstance propitious for theft.

Any common measure for the prevention or punishment of crime.

Any judicial, police, or penal authority.

Any readily portable article of value.

Word denoting renown.

#### 85. LION

Word denoting or implying fear.

Any animal.

#### 86. JOY

Word denoting a state, quality, faculty, or function of the mind.

Any common manifestation of emotion.

Any occasion, act, or means of recreation or of pleasurable excitement.

#### 87. BED

Any article of bedding, bed linen, or night-clothes.

Any article of furniture.

Any living room, apartment, or building.

Any part of a room.

Any division of the diurnal cycle.

Any material of which beds are made.

Word pertaining to sleep or rest.

#### 88. HEAVY

Word denoting or implying weight or lightness.

Any object or substance which characteristically possesses the quality of either great weight or marked lightness.

Any means of support or suspension.

Any fabric; any article of clothing or bedding.

Word denoting something to be carried or transferred.

Any painful emotion.

Word denoting a state of lowered consciousness.

#### 89. TOBACCO

The name of any brand or variety of tobacco.

Term denoting any common quality of tobacco.

Any physiological or pathological effect of tobacco.

Any word which expresses subjective characterization of tobacco.

#### 90. BABY

Word denoting or implying age or size of a person.

Word pertaining to familial relationships or domestic organization.

Name of any person.

Any part of a person's body.

Any article of a child's apparel.

Any common child's toy or game.

Word pertaining to any custom or ceremony connected with the birth or rearing of children.

Any term of obstetrics.

#### 91. MOON

Any term of astronomy.

Word denoting or implying illumination or obscuration of light.

Any division of the diurnal cycle.

#### 92. SCISSORS

Any operation or handicraft involving the use of scissors.

Any fabric; any article of clothing.

Any metal of which scissors are made.

Any tool for cutting, piercing, or sharpening.

Any operation of cutting, piercing, or sharpening.

### 93. QUIET

Any place where silence usually prevails or is enforced.

Word denoting or implying a state of lowered psychical activity or of psychical inhibition.

Word denoting heightened psychical activity.

Any word pertaining to the emotions.

### 94. GREEN

Word which may be used to express subjective characterization of the green color.

Any object or substance which is always or often green in color.

Anything which is by convention or common usage connected with the green color.

Any color or coloring material.

Any plant, collection of plants, or part of a plant.

Any word clearly related to the word Green used as a proper name.

### 95. SALT

Any article of food that is usually seasoned with salt; any seasoning; any relish.

Any article of table linen, china, or silver.

Any process of cooking.

Any term of chemistry.

### 96. STREET

Name of any street or city.

Any part of a street.

Any building.

Any manner or means of locomotion commonly employed in traveling through streets.

#### 97. KING

Any name of the Deity.

The proper or common name of any ruler of a nation or of a smaller municipality.

Any nation or country.

Any title of nobility.

Any word clearly related to the word King used as a proper name.

#### 98. CHEESE

Any article of food; any meal.

Word denoting any variety of cheese.

Word pertaining to taste, flavor, or odor.

Word pertaining to appetite.

Any article of table linen, china, or silver.

#### 99. BLOSSOM

Any plant, collection of plants, or part of a plant.

Any term of botany.

Any division of the annual cycle.

#### 100. AFRAID

Any affective state; any common demonstration of emotion.

Any common object of fear.

Word denoting or implying danger, courage; any means of defense or

protection against danger.

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ny object which has a stem.

Any part of a plant.

Any object which is long, slender, and more or less rigid.

## 52. LAMP

Any means or source of illumination.

Word denoting or implying illumination.

## 53. DREAM

Any product of imagination.

Any psychical phenomenon; any part of the psychical organ.

Word denoting or implying unreality or uselessness.

Word denoting or implying mystery or occultism.

Any division of the diurnal cycle.

Any article of bedding, bed-linen or night-clothes.

Any article of furniture used for sitting or lying.

Any narcotic substance.

#### 54. YELLOW

Word which may be used to denote subjective characterization of the yellow color.

Any object or substance which is always or often yellow in color.

Any color or coloring material.

#### 55. BREAD

Any article of food; any meal

Any article of table linen, china, or silver; any cooking utensil.

Any private or public eating place.

Word pertaining to ingestion and assimilation of food.

Any ceremony in connection with which bread is used.

## 56. JUSTICE

Any word implying crime or tendency to crime, legal trial, retribution or lack of it, or repentance.

Any officer of the law.

Word pertaining to judiciary organization.

Word denoting any kind of ethical relationship.

Any deity.

The name of any justice or judge.

Any function of a judicial authority.

Any word denoting or implying equality.

57. BOY

Word denoting or implying age of a person.

Word pertaining to familial relationships or domestic organization.

Word pertaining to sexual relationships; any word denoting the opposite sex.

Common or proper name of any male person.

Any part of a person's body.

Any article of male apparel.

Any common boys toy or game.

Word pertaining to educational organization.

58. LIGHT

Any source, apparatus, or means of illumination.



Any color or coloring material.

Word implying light through incandescence.

Any term of optics; any optical phenomenon.

Any object or substance which is characteristically light in weight.

## 59. HEALTH

Any emotion; any common manifestation of emotion.

Any disease or symptom.

Word pertaining to prevention or treatment of disease.

Word pertaining to any normal bodily function.

Word pertaining to the preservation of health.

Word denoting or implying a state of health.

Any athletic sport or form of exercise.

Any anatomical organ or region.

## 60. BIBLE

Name of any personage mentioned in the Bible.

Any religion or religious denomination.

Any name or attribute employed in reference to the Deity.

Any article or act of religious ritual.

Word denoting or implying belief, disbelief, or doubt.

Any term of theology.

## 61. MEMORY

Word pertaining to operations, faculties, endowment, training, or condition of the mind.

Word denoting any degree of accuracy.

Word denoting the cranium; any part of the psychical organ.

Word pertaining to the past.

Any word implying transiency.

Any subject of study involving the exercise of memory.

Any method or means for the reinforcement of memory.

Any of the senses.

Word denoting retention.

## 62. SHEEP

Any animal raised or hunted for clothing material, for food, or for its services as a beast of burden.

Any product manufactured from the skin or wool of sheep.

Any of the more or less distinctive characteristics of sheep.

Any food product derived from sheep.

## 63. BATH

Word denoting or implying an effect of bathing on the body.

Any body of water.

Any kind of bath; any part of bath, lavatory, or toilet equipment.

Any material of which a bathing equipment is largely made.

Word denoting a state of partial or complete undress.

Any beach or bathing resort.

Any aquatic feat of gymnastics.

#### 64. COTTAGE

Word pertaining to landscape gardening.

Any place of cottage location.

Any part of a house; any color.

Any material used in the construction of a cottage.

Any laborer or mechanic having to do with the construction of a cottage.

Any part of the process of construction of a cottage.

Any commercial term pertaining to ownership, taxes, mortgages, sale, renting, or occupancy of a cottage.

Any article of furniture.

#### 65. SWIFT

Any means or manner of locomotion.

Word denoting or implying motion or rate of motion.

Any animal or familiar object characterized by rapid locomotion.

Any word clearly related to the word Swift used as a proper name.

#### 66. BLUE

Word which may be used to express subjective characterization of the blue color.

Any object or substance which is always or often blue in color.

Anything which is by convention or common usage connected with the

blue color.

Any organ, tissue, or lesion, exposed to view, which may have a blue color imparted to it by the blood or by physiological pigment.

Any color or coloring material.

## 67. HUNGRY

Any animal.

Any article of food; any meal.

Word denoting taste or flavor.

Word denoting or implying privation or torture.

Any article of table linen, china, or silver.

Any private or public eating place.

Any organ of digestion; any function of nutrition.

Word designating any person engaged in the preparation or sale of foods.

68. PRIEST

Any religion or denomination.

Any article or act of religious ritual.

Any term of theology.

Word denoting or implying sanctity.

Word denoting or implying belief, disbelief, or doubt.

Word pertaining to church organization.

Proper name of any priest.

Any article of clerical attire.

Any profession more or less peculiarly masculine.

69. OCEAN

Any body of water.

Any plant or animal living in the ocean.

Any term of physical geography.

Any vessel or contrivance for navigation.

Word pertaining to navigation; any nautical term.

Common or proper name of any place bordering on the ocean.

Any aquatic feat of gymnastics.

## 70. HEAD

Any organization which has a person occupying the highest office.

Word denoting or implying the highest office of any organization.

Any intellectual faculty, quality, or operation.

Any part of the head.

Any pathological condition affecting the head.



## 71. STOVE

Any part of a stove.

Any kitchen utensil.

Any artificial heating apparatus; any fuel.

Any manner of cooking; any person engaged in cooking food.

Any article of household furniture.

## 72. LONG

Any word involving the concept of duration.

Word denoting shape, relative or absolute dimension, or distance.

Any object in which characteristically one dimension exceeds any other.

## 73. RELIGION

Any religion or denomination; the name of any race or nation.

Any term of theology.

Any branch of metaphysical philosophy.

#### 74. WHISKEY

Any beverage; the name of any brand of whiskey.

Any material of which whiskey is made.

Word denoting taste or flavor.

Any occasion or ceremony commonly associated with the use of alcoholic beverages.

Word denoting a state of lowered consciousness.

Any physiological or pathological effect of alcohol; also any well known, indirect effect.

#### 75. CHILD

Word denoting or implying age of a person.

Word pertaining to familial relationships or domestic organization.

Name of any person.

Any part of a person's body.

Any article of a child's apparel.

Any common child's toy or game.

Word pertaining to educational organization.

Any word descriptive of the natural physical or mental make-up of a child, or of the rate or degree of physical or mental development.

Word pertaining to any custom or ceremony connected with the birth or rearing of children.

Any term of obstetrics.

Any word clearly related to the word Child used as a proper name.

## 76. BITTER

Any substance having a bitter, sour, sweet, or salt taste, or a complex taste quality which may be characterized as strong.

Word denoting a taste or flavor quality.

Any organ of taste.

Any word in connection with which the word bitter may be used in the sense of poignant.

#### 77. HAMMER

Any tool or weapon.

Any trade involving the use of a hammer.

#### 78. THIRSTY

Any beverage.

Any animal.

Word denoting taste or taste quality.

Any part of the upper end of the digestive tract.

Any drinking place; any container of a beverage.

Any fruit; any dessert.

Any food ingredient commonly known to excite thirst.

## 79. CITY

Name of any division of political geography.

Any architectural structure.

Any part of a city.

Word pertaining to the political organization of a city.

## 80. SQUARE

The name of any city.

The name of any square in a city or town.

Any geometrical figure or part of one.

Any object that is always or often square in shape.

Any device used in the arts for measuring angles, arcs, or distances  
between points.

Any part of a carpenter's or draughtsman's square.

Any trade involving the use of the square.

## 81. BUTTER

Any article of food; any meal.

Any article of table linen, china, or silver; any cooking utensil.

Any process of cooking.

## 82. DOCTOR

The name of any physician.

Any medical speciality or practice.

Any medical or surgical procedure.

Any therapeutic remedy or method.

Any organization for the treatment of disease.

Name of any injury or disease.

### 83. LOUD

Any sound or sound quality.

Any part of the human vocal apparatus.

Any act of vocalization.

Any musical instrument.

Any apparatus for making sound signals.

Word denoting renown or commendation.

### 84. THIEF

Word denoting crime or wrongdoing.

Word denoting any circumstance propitious for theft.

Any common measure for the prevention or punishment of crime.

Any judicial, police, or penal authority.

Any readily portable article of value.

Word denoting renown.

85. LION

Word denoting or implying fear.

Any animal.

86. JOY

Word denoting a state, quality, faculty, or function of the mind.

Any common manifestation of emotion.

Any occasion, act, or means of recreation or of pleasurable excitement.



87. BED

Any article of bedding, bed linen, or night-clothes.

Any article of furniture.

Any living room, apartment, or building.

Any part of a room.

Any division of the diurnal cycle.

Any material of which beds are made.

Word pertaining to sleep or rest.

88. HEAVY

Word denoting or implying weight or lightness.

Any object or substance which characteristically possesses the quality  
of either great weight or marked lightness.

Any means of support or suspension.

Any fabric; any article of clothing or bedding.

Word denoting something to be carried or transferred.

Any painful emotion.

Word denoting a state of lowered consciousness.

#### 89. TOBACCO

The name of any brand or variety of tobacco.

Term denoting any common quality of tobacco.

Any physiological or pathological effect of tobacco.

Any word which expresses subjective characterization of tobacco.

#### 90. BABY

Word denoting or implying age or size of a person.

Word pertaining to familial relationships or domestic organization.

Name of any person.

Any part of a person's body.

Any article of a child's apparel.

Any common child's toy or game.

Word pertaining to any custom or ceremony connected with the birth or rearing of children.

Any term of obstetrics.

#### 91. MOON

Any term of astronomy.

Word denoting or implying illumination or obscuration of light.

Any division of the diurnal cycle.

#### 92. SCISSORS

Any operation or handicraft involving the use of scissors.

Any fabric; any article of clothing.

Any metal of which scissors are made.

Any tool for cutting, piercing, or sharpening.

Any operation of cutting, piercing, or sharpening.

### 93. QUIET

Any place where silence usually prevails or is enforced.

Word denoting or implying a state of lowered psychological activity or of psychological inhibition.

Word denoting heightened psychological activity.

Any word pertaining to the emotions.

### 94. GREEN

Word which may be used to express subjective characterization of the green color.

Any object or substance which is always or often green in color.

Anything which is by convention or common usage connected with the green color.

Any color or coloring material.

Any plant, collection of plants, or part of a plant.

Any word clearly related to the word Green used as a proper name.

#### 95. SALT

Any article of food that is usually seasoned with salt; any seasoning; any relish.

Any article of table linen, china, or silver.

Any process of cooking.

Any term of chemistry.

#### 96. STREET

Name of any street or city.

Any part of a street.

Any building.

Any manner or means of locomotion commonly employed in traveling  
through streets.

#### 97. KING

Any name of the Deity.

The proper or common name of any ruler of a nation or of a smaller  
municipality.

Any nation or country.

Any title of nobility.

Any word clearly related to the word King used as a proper name.

#### 98. CHEESE

Any article of food; any meal.

Word denoting any variety of cheese.

Word pertaining to taste, flavor, or odor.

Word pertaining to appetite.

Any article of table linen, china, or silver.

99. BLOSSOM

Any plant, collection of plants, or part of a plant.

Any term of botany.

Any division of the annual cycle.

100. AFRAID

Any affective state; any common demonstration of emotion.

Any common object of fear.

Word denoting or implying danger, courage; any means of defense or protection against danger.

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