A Study of Association in Insanity by Grace Helen Kent

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A STUDY OF ASSOCIATION IN INSANITY

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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
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

<table>
<thead>
<tr>
<th>Value of reaction</th>
<th>0</th>
<th>+</th>
<th>0.1</th>
<th>0.2--0.5</th>
<th>0.6--1.5</th>
<th>1.6-10</th>
<th>&gt;10 Sex</th>
<th>Number</th>
<th>%</th>
<th>%</th>
<th>%</th>
<th>%</th>
<th>%</th>
<th>%</th>
<th>%</th>
<th>%</th>
<th>%</th>
<th>of cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persons of M.</td>
<td>60</td>
<td>9.2</td>
<td>5.2</td>
<td>9.7</td>
<td>11.0</td>
<td>27.8</td>
<td>85.5</td>
<td>collegiate F...</td>
<td>40</td>
<td>9.5</td>
<td>1.8</td>
<td>8.0</td>
<td>9.8</td>
<td>11.7</td>
<td>28.0</td>
<td>83.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>education Both</td>
<td>100</td>
<td>9.3</td>
<td>1.8</td>
<td>8.7</td>
<td>11.8</td>
<td>28.2</td>
<td>34.4</td>
<td>Persons of M..</td>
<td>50</td>
<td>5.8</td>
<td>1.6</td>
<td>8.6</td>
<td>8.3</td>
<td>10.2</td>
<td>81.6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>88.7 common school F..</td>
<td>50</td>
<td>4.6</td>
<td>1.8</td>
<td>8.8</td>
<td>7.1</td>
<td>9.4</td>
<td>82.0</td>
<td>education Both</td>
<td>100</td>
<td>5.2</td>
<td>1.4</td>
<td>3.5</td>
<td>7.7</td>
<td>9.8</td>
<td>81.8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40.4 School children M...</td>
<td>33</td>
<td>5.9</td>
<td>0.8</td>
<td>4.2</td>
<td>8.7</td>
<td>10.0</td>
<td>28.6</td>
<td>88.5 under 16 Jr. F..</td>
<td>45</td>
<td>5.0</td>
<td>1.0</td>
<td>4.6</td>
<td>9.8</td>
<td>11.0</td>
<td>80.1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>36.7 years of age Both</td>
<td>78</td>
<td>5.7</td>
<td>1.4</td>
<td>4.6</td>
<td>9.8</td>
<td>11.2</td>
<td>29.4</td>
<td>87.4 General average.</td>
<td>Both.1000</td>
<td>6.8</td>
<td>1.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Special group values.</th>
<th>Stimulus Reaction General Contrasting Defining Specifying word. word. value. group 49 group 73 group 84</th>
<th>subjects subjects subjects</th>
<th>%</th>
<th>%</th>
<th>%</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>chair........... 26.7 25.0 51.0 11.5 10 11.9 1. Table....{ furniture....... 7.5 0 0 13 17.8 4 4.8</td>
<td>round........... 1.0 1 2.0 0 0 4 4.5 wood.......... 7.6 2 4.1 9 12.3 10 11.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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</td>
<td>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</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>sponge........... 2.2 0 0 0 0 4 4.8</td>
<td>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</td>
<td>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</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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</td>
<td>money........... 3.2 0 0 1 1.4 3 3.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>flowers........... 4.2 0 0 1 1.4 7 8.3 girl........... 2.4 0 0 0 5 0 0 29. Beau- homely.......... 2.7 3 6.1 0</td>
<td>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 3 3.6 ugly........... 6.6 13 26.5 3 4.1 0 0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>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</td>
<td>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</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>arrow........... 1.3 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</td>
<td>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</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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.

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


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 Doubtful Individual reactions. reactions. 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.

_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:
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.
10. Sound reactions (words).
12. Particles of speech.
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 \(_\text{man}--\text{minstrel}\) 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 \(_\text{cabbage}--\text{cobweb}\) 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

In this psychosis we find the number of individual reactions far exceeding not only that of the normal but that of any other psychosis which we studied. To a corresponding extent we find the number of the highest type of normal reactions--the common specific reactions--reduced.

### TABLE IV.

#### TYPES OF REACTION

| A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |
| --- | 4.9 | 4.1 | 5.7 | 4.8 | 4.2 | 4.8 | 5.6 | 4.1 | 4.6 | 80 | 71.2 | 1 | 0.6 | 0.7 | 2 | 2.3 | 2 | 2.5 | 2 | 3.0 | 3 | 3.0 | 2 | 2.2 | 2 | 3.0 |
| --- | 3.4 | 3.6 | 7.4 | 5.4 | 2.0 | 0.22 | 1.0 | 1.53 | 7.1 | Sound reactions (neologisms) | 0 | 0.01 | 0.3 | 0 | 0.02 | 0.3 | 0 | 0.03 | 0.3 | 0 | 0.04 | 0.3 | 0 | 0.05 | 0.3 | 0 | 0.06 | 0.3 | 0 | 0.07 | 0.2 | 0 | 1.0 |
| --- | 3.5 | 16.3 | 3.2 | 3.4 | 12.6 | 3 | 3.6 | 17.4 | 41.2 | 5.3 | Derivatives of stimulus words | 0 | 0.01 | 0.3 | 0 | 0.02 | 0.3 | 0 | 0.03 | 0.3 | 0 | 0.04 | 0.3 | 0 | 0.05 | 0.3 | 0 | 0.06 | 0.3 | 0 | 0.07 | 0.2 | 0 | 1.0 |
| --- | 3.5 | 16.3 | 3.2 | 3.4 | 12.6 | 3 | 3.6 | 17.4 | 41.2 | 5.3 | Derivatives of stimulus words | 0 | 0.01 | 0.3 | 0 | 0.02 | 0.3 | 0 | 0.03 | 0.3 | 0 | 0.04 | 0.3 | 0 | 0.05 | 0.3 | 0 | 0.06 | 0.3 | 0 | 0.07 | 0.2 | 0 | 1.0 |
| --- | 3.5 | 16.3 | 3.2 | 3.4 | 12.6 | 3 | 3.6 | 17.4 | 41.2 | 5.3 | Derivatives of stimulus words | 0 | 0.01 | 0.3 | 0 | 0.02 | 0.3 | 0 | 0.03 | 0.3 | 0 | 0.04 | 0.3 | 0 | 0.05 | 0.3 | 0 | 0.06 | 0.3 | 0 | 0.07 | 0.2 | 0 | 1.0 |
| --- | 3.5 | 16.3 | 3.2 | 3.4 | 12.6 | 3 | 3.6 | 17.4 | 41.2 | 5.3 | Derivatives of stimulus words | 0 | 0.01 | 0.3 | 0 | 0.02 | 0.3 | 0 | 0.03 | 0.3 | 0 | 0.04 | 0.3 | 0 | 0.05 | 0.3 | 0 | 0.06 | 0.3 | 0 | 0.07 | 0.2 | 0 | 1.0 |

86 normal subjects, common school education; records containing not over 10 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..........22
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.......... 22
Sweet--temper....... 19
Whistle--bensid...... 4
Woman--hummery...... 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--harner........ 4  
Loud--harnner.......... 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--guinter....... 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  

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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
<table>
<thead>
<tr>
<th>Word</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Swift--swar</td>
<td>3</td>
</tr>
<tr>
<td>Blue--blacken</td>
<td>4</td>
</tr>
<tr>
<td>Hungry--scatterbuck</td>
<td>4</td>
</tr>
<tr>
<td>Priest--canon</td>
<td>17</td>
</tr>
<tr>
<td>Ocean--men</td>
<td>19</td>
</tr>
<tr>
<td>Head--will</td>
<td>19</td>
</tr>
<tr>
<td>Stove--somen</td>
<td>4</td>
</tr>
<tr>
<td>Long--lass</td>
<td>19</td>
</tr>
<tr>
<td>Religion--cor</td>
<td>4</td>
</tr>
<tr>
<td>Whiskey--hanrow</td>
<td>4</td>
</tr>
<tr>
<td>Child--vand</td>
<td>4</td>
</tr>
<tr>
<td>Bitter--bike</td>
<td>15</td>
</tr>
<tr>
<td>Hammer--hemmel</td>
<td>3</td>
</tr>
<tr>
<td>Thirsty--cass</td>
<td>4</td>
</tr>
<tr>
<td>City--cor</td>
<td>4</td>
</tr>
<tr>
<td>Square--malice</td>
<td>19</td>
</tr>
<tr>
<td>Butter--back</td>
<td>19</td>
</tr>
<tr>
<td>Doctor--ness</td>
<td>4</td>
</tr>
<tr>
<td>Loud--arman</td>
<td>4</td>
</tr>
<tr>
<td>Thief--cast</td>
<td>15</td>
</tr>
<tr>
<td>Lion--loss</td>
<td>15</td>
</tr>
<tr>
<td>Joy--kaffir</td>
<td>15</td>
</tr>
<tr>
<td>Bed--banrow</td>
<td>4</td>
</tr>
<tr>
<td>Heavy--cast</td>
<td>15</td>
</tr>
<tr>
<td>Tobacco--colrow</td>
<td>4</td>
</tr>
<tr>
<td>Baby--boil</td>
<td>19</td>
</tr>
<tr>
<td>Moon--padoc</td>
<td>4</td>
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<td>Afraid--mellows</td>
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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>
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<td>Table--stand</td>
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<td>Man--hiding</td>
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<td>Deep--unreckless</td>
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<td>Soft--beginning</td>
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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.......6
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.......6
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.......... 2
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.......... 2
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.......19
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--male.............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
Dream--slumber
Yellow--pink
Bread--glass
Justice--coal
Boy--maid
Light--shine
Health--pale
Bible--leaf
Memory--grief
Sheep--giraffe
Bath--soap
Cottage--scene
Swift--slow
Blue--piece
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
Square--marble
Butter--bread
Doctor--aster
Loud--fog
Thief--Mary
Lion--tiger
Joy--glad
Bed--sheet
Heavy--light
Tobacco--smoke
Baby--powder
Moon--sky
Scissors--handle
Quiet--sing
Green--pink
Salt--chimney
Street--block
King--crown
Cheese--tea
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--brilliancy.....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--catched.......2
Lion--crown.........15
Joy--pleasure.........1
Bed--comforts........
Heavy--thoughts......1
Tobacco--changes......15
Baby--pleasure.........1
Moon--brilliancy.....2
Scissors--edge....... 
Quiet--baptism.........19
Green--autumn.........19
Salt--gather...........19
Street--thoroughfare..
King--crown..........15
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..........19
Beautiful--suspender..19
Window--wood..........19
Rough--chisel..........19
Citizen--ruler........
Foot--snake..........19
Spider--fly...........
Needle--bird..........13
Red--green...........
Sleep--opening.......19
Anger--angry..........19
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..........19
Rough--duty..........19
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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.......19
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
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."
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--unneeded.......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....... 5

Ocean--fresh.........19
Head--unhealthy......15
Stove--warmth........
Long--length.......... 5
Religion--needed..... 2
Whiskey--needed...... 5
Child--needed........
Bitter--needed....... 5
Hammer--needed....... 5
Thirsty--water....... 5
City--pretty......... 6
Square--honest....... 5
Butter--good......... 1
Doctor--needed......
Loud--needed......... 5
Thief--trust......... 5
Lion--love.........19
Joy--laughter........
Bed--comfortable..... 5
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
<table>
<thead>
<tr>
<th>Term</th>
<th>Frequency</th>
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<tr>
<td>Needle--clothing......</td>
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<td>Red--color............</td>
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<td>Sleep--stoppery.......</td>
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<tr>
<td>Anger--unguarded......</td>
<td>17</td>
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<td>Carpet--residence.....</td>
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<td>Girl--help............</td>
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<tr>
<td>High--escorted........</td>
<td>6</td>
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<tr>
<td>Working--man..........</td>
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<td>Sour--form.............</td>
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<td>Earth--platformer.....</td>
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<td>Trouble--unguarded....</td>
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<td>Cabbage--dinners......</td>
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<td>Hard--escorted........</td>
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<td>Eagle--newspaper......</td>
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<td>Stomach--health......</td>
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<td>Stem--winding.........</td>
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<td>Lamp--reading.........</td>
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<td>Dream--guarded........</td>
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<td>Bread--knowing........</td>
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<td>Justice--bar..........</td>
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<td>Boy--help.............</td>
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<td>Light--advice.........</td>
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<td>Bible--church.........</td>
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<td>Sheep--aided..........</td>
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<td>Cottage--seashore.....</td>
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<td>Swift--business.......</td>
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<td>Blue--help............</td>
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<td>Hungry--unadded.......</td>
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<td>Stove--cooking........</td>
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<td>Long--bank............</td>
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<td>Religion--church.....</td>
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<td>Whiskey--drink........</td>
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<td>Child--help...........</td>
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<td>Bitter--error.........</td>
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<td>Hammer--builder......</td>
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<td>Thirsty--drink........</td>
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<td>City--building........</td>
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<td>Square--unerrorer.....</td>
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<td>Butter--eating........</td>
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<td>Doctor--destroyer.....</td>
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<td>Loud--notoriety......</td>
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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..........18
Bed--obstinate.......18
Heavy--indifferent....18
Tobacco--pipe........
Baby--mother..........18
Moon--daughter.......18
Scissors--son.........18
Quiet--sister.........18
Queen--brother.......18
Salt--forward.........18
Street--proper........18
King--vulgar..........18
Cheese--personal.....15
Blossom--tree.........18
Afraid--fear..........18

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--Freenhoff.......10
Butterfly--busty......3
Smooth--small.........1
Command--Cummings....10
Chair--cherries.......10
Sweet--sweeten.......10
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.............

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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..........19
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..........19
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.......19
Bible--bitch..........19
Memory--man...........1
Sheep--shepherd.....10
Bath--both.............10
Cottage--cat..........10
Swift--said...........19
Blue--bad.............9
Hungry--haven't.......12
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
Sickness--well
Man--boy
Deep--sea
Soft--soap
Eating--tea

Priest--Pope
Ocean--open
Head--heart
Stove--steel
Long--little
Religion--right
Whiskey--when
Child--chimney
Bitter--both
Hammer--heart
Thirsty--think
City--church
Square--swift
Butter--bread
Doctor--debtor
Loud--loaf
Thief--theatre
Lion--liar
Joy--jam
Bed--broom
Heavy--hard
Tobacco--Tom
Baby--brother
Moon--men
Scissors--shift
Quiet--quilt
Green--grass
Salt--said
Street--Stevens
King--kite
Cheese--cat
Blossom--bad
Afraid--anger
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..........17
Stove--rivet...........19
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............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
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<th>CASE No. 1431.--A.L.</th>
<th>Sound reactions; particles; unclassified reactions, mostly incoherent.</th>
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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.......19
Bread--pimple.......19
Justice--suit..........17
Boy--ahoy.............12
Light--night.........
Health--wealth.......12
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
CASE No. 6251.--C.D. Some stereotypy; particles; unclassified reactions, mostly incoherent.

Table--doctor.........19
Dark--nigger.........17
Music--violin........
Sickness--whores......19
Man--Malcane.........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
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.
Foot--anatomy
Spider--bug
Needle--steel
Red--color
Sleep--slumber
Anger--aroused
Carpet--texture
Girl--female
High--up
Working--doing
Soup--lemon
Earth--dirt
Trouble--distress
Soldier--uniform
Cabbage--crop
Hard--metal
Eagle--bird
Stomach--anatomy
Stem--pipe
Lamp--glass
Dream--atmosphere
Yellow--color
Bread--flour
Justice--equality
Boy--male
Light--sun
Health--color
Bible--nonsense
Memory--retentiveness
Sheep--quadruped
Bath--water
Cottage--stories
Swift--speed
Blue--navy
Hungry--appetite
Priest--uniform
Ocean--Atlantic
Head--stature
Stove--iron
Long--inches
Religion--creed
Whiskey--hops
Child--neuter
Bitter--horehound
Hammer--steel
Thirsty--degree
City--population
Square--sides
Butter--cream
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.
Slow--weary..........19
Wish--work.......... 9
River--tug.........
White--sheets....... 2
Beautiful--rare.....19
Window--ventilation..
Rough--uneven.......17
Citizen--public.....
Foot--walk..........17
Spider--web.........
Needle--sew.........
Red--marine.........1
Sleep--repose.......17
Anger--assault......
Carpet--cloth.......17
Girl--sister.........
High--above.........
Working--labor......
Sour--bitter.......17
Earth--farm.........
Trouble--fight......
Soldier--duty.......17
Cabbage--vegetable..
Hard--stone.........
Eagle--large........1
Stomach--body.......17
Stem--leaf.........
Lamp--light.........
Dream--unconsciousness
Yellow--flag.........
Bread--hunger.......17
Justice--freedom....
Boy--school.........
Light--electricity...
Health--business....19
Bible--religion......
Memory--brain.......17
Sheep--pasture.......17
Bath--clean.........
Cottage--property...17
Swift--current......
Blue--uniform......17
Hungry--appetite......
Priest--church.......17
Ocean--commerce.....19
Head--thought.......1
Stove--iron.........
Long--distance.......17
Religion--belief.....

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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
Sweet--bitter
Whistle--engine
Woman--man
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
High--low
Working--idle
Sour--vinegar
Earth--round
Trouble--sickness
Soldier--gun
Cabbage--garden
Hard--rock
Eagle--fly
Stomach--man
Stem--watch
Lamp--oil
Dream--sleep
Yellow--sunflower
Bread--butter
Justice--peace
Boy--girl
Light--window
Health--man
Bible--God
Memory--mind
Sheep--pasture
Bath--water
Cottage--trees
Swift--engine
Blue--sky
Hungry--bread
CASE No. 1278.--B.B. Test record not distinguishable from normal. Case of several years standing, but showing almost complete remission of all symptoms.
Comfort--home
Hand--from
Short--stout
Fruit--eating
Butterfly--bird
Smooth--glossy
Command--general
Chair--floor
Sweet--taste
Whistle--tune
Woman--man
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
Dream--sleep
Yellow--brown
Bread--biscuit
Justice--peaceful
Boy--girl
Light--dark
Health--well
Bible--book
Memory--lost
PARANOIC CONDITIONS.

The clinical group of psychoses included under the designation paranoic 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 involutional changes (Kraepelin's _praeseniler Beeintraechtigungswah_), 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 paranoic 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.......... 1
Music--pleasant....... 1
Sickness--confinement.17
Man--twenty-one.......12
Deep--down............ 1
Soft--smooth...........
Eating--nourishment...
Mountain--high........ 1
House--living........ 1
Black--dark...........
Mutton--eating........ 1
Comfort--pleasant.... 1
Hand--limb...........
Short--low...........
Fruit--eat...........
Butterfly--miller....
Smooth--soft.......... 1
Command--obey........ 1
Chair--sitting........ 1
Sweet--tasting........ 1
Whistle--noise........
Woman--female........ 1
Cold--unpleasant..... 1
Slow--easy...........
Wish--want...........
River--water.........
White--colorless.....
Beautiful--handsome...
Window--glass........ 1
Rough--unpleasant..... 1
Citizen--vote........
Foot--limb...........
Spider--insect....... 1
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
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
Needle--pin
Red--yellow
Sleep--slumber
Anger--amiable
Carpet--mat
Girl--boy
High--hill
Working--playing
Sour--sweet
Earth--land
Trouble--tranquillity
Soldier--boy
Cabbage--plant
Hard--easy
Eagle--bird
Stomach--bowels
Stem--head
Lamp--chimney
Dream--myth
Yellow--blue
Bread--biscuit
Justice--balance
Boy--girl
Light--gray
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
Eating--drink
Mountain--hills
House--home
Black--stove
Mutton--lamb
Comfort--pleasure
Hand--write
Short--short-cake
Fruit--grapes
Butterfly--butter
Smooth--ironing
Command--correct
Chair--see
Sweet--apples
Whistle--happiness
Woman--girl
Cold--warm
Slow--fast
Wish--like
River--water
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<td>Window--light</td>
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<td>Rough--easy</td>
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<td>Citizen--spring</td>
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<td>Foot--run</td>
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<td>Spider--fly</td>
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<td>Red--pink</td>
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<td>Sleep--awake</td>
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<td>Anger--jolly</td>
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<tr>
<td>Trouble--work</td>
<td>1</td>
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<tr>
<td>Soldier--sing</td>
<td>15</td>
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<td>Cabbage--potatoes</td>
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<td>Hard--sewing</td>
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<td>Eagle--daisy</td>
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<tr>
<td>Stomach--flowers</td>
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<tr>
<td>Stem--vine</td>
<td>19</td>
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<td>Lamp--flatiron</td>
<td>19</td>
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<tr>
<td>Dream--sleep</td>
<td>13</td>
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<tr>
<td>Yellow--awake</td>
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<td>Bread--children</td>
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<td>Justice--dresses</td>
<td>14</td>
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<td>Boy--mother</td>
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<td>Light--dark</td>
<td>19</td>
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<td>Health--wealth</td>
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<td>Bible--commands</td>
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<td>Memory--black</td>
<td>13</td>
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<td>Sheep--chickens</td>
<td>17</td>
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<td>Bath--carpet</td>
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<td>Cottage--worsted</td>
<td>14</td>
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<td>Swift--silk</td>
<td>18</td>
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<td>Blue--cotton</td>
<td>18</td>
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<td>Hungry--chair</td>
<td>19</td>
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<td>Priest--church</td>
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<td>Ocean--spring</td>
<td>15</td>
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<td>Head--canary</td>
<td>19</td>
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<td>Stove--board</td>
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<tr>
<td>Long--dishes</td>
<td>18</td>
</tr>
<tr>
<td>Religion--piano</td>
<td>19</td>
</tr>
<tr>
<td>Whiskey--home</td>
<td>15</td>
</tr>
<tr>
<td>Child--baby</td>
<td>19</td>
</tr>
<tr>
<td>Bitter--shoes</td>
<td>19</td>
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</table>
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--blacking.......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--cleanliness.....
Cottage--home.........
Swift--fear...........19
Blue--color.......... 
Hungry--appetite.....
Priest--servant....... 
Ocean--God............ 6
Head--servant........ 6
Stove--house.........

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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."
Fruit--shrewd........10
Butterfly--shuddergy.. 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--..........4
Quiet--shiet...........3
Green--sheel...........4
Salt--shawlt..........3
Street--freet..........3
King--sing...........10
Cheese--sefs...........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--debasteaur... 4
Stem--counteract......19
Lamp--testament.......19
Dream--connexus........4
Yellow--division....19
Bread--athererey........4
Justice--anger.........19
Boy--quality...........15
Light--among.........12
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 feeblemindedness.
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.......... 1
Cheese--article...... 6
Blossom--plant....... 1
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...... 1
Man--body...........
Deep--well.......... 1
Soft--lady......... 19
Eating--man......... 6
Mountain--hills.....
House--barns......... 2
Black--horse.......... 1
Mutton--sheep......... 1
Comfort--poison...... 19
Hand--man............ 1
Short--people......... 1
Fruit--trees......... 1
Butterfly--tree.....
Smooth--people....... 6
Command--general.....
Chair--hands......... 1
Sweet--fruit.......... 1
Whistle--man......... 1
Woman--people......... 1
Cold--ice............ 1
Slow--people......... 6
Wish--dead.......... 19
River--lakes......... 1
White--foam......... 1
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
Girl--ladies
High--mountain
Working--people
Sour--fruit
Earth--clay
Trouble--bad
Soldier--man
Cabbage--field
Hard--case
Eagle--bird
Stomach--man
Stem--pipe
Lamp--fire
Dream--bad
Yellow--chair
Bread--rye
Justice--right
Boy--bad
Light--ship
Health--pig
Bible--man
Memory--mind
Sheep--mutton
Bath--water
Cottage--house
Swift--ship
Blue--lines
Hungry--people
Priest--man
Ocean--deep
Head--bad
Stove--wood
Long--trees
Religion--form
Whiskey--apples
Child--people
Bitter--apples
Hammer--axe
Thirsty--drink
City--towns

Square--measurement
Butter--cows
Doctor--person
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.......... 1
Eating--think......... 1
Mountain--well.......13
House--plumber.......17
Black--horse.........
Mutton--park.........19
Comfort--nice........1
Hand--use.............1
Short--long.......... 1
Fruit--figs.......... 1
Butterfly--cloth.....19
Smooth--nice.........1
Command--pleasant.... 6
Chair--wash..........19
Sweet--sour.......... 1
Whistle--mug..........19
Woman--pear...........19
Cold--warm.......... 1
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.......... Han
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.......... Han
Hammer--stick........19
Thirsty--drink........
City--handy..........19
Square--pleasant..... 6
Butter--pleasant.......
Doctor--help..........1
Loud--make..15
Thief--punish........ 2
Lion--bad.............. 9
Joy--happy........... 1
Bed--pleasant.......... 1
Heavy--light..........1
Tobacco--pleasant..... 1
Baby--help............ 6
Moon--sun.............
Scissors--pleasant.... 6
Quiet--sleep..........1
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.......14
Whistle--peaches.......18
Woman--children.......17
Cold--summer..........17
Slow--brother..........19
Wish--pear.............19
River--orange..........18
White--black..........13
Beautiful--red.........13
Window--door..........14
Rough--table..........18
Citizen--couch.......19
Foot--arm..............
Spider--fly...........
Needle--scissors.......17
Red--blue..............
Sleep--pink...........13
Anger--box............19
Carpet--rug...........
Girl--boy..............
High--play............19
Working--cup...........19
Sour--bread...........17
Earth--picture.........19
Trouble--soap.........19
Soldier--towel........18
Cabbage--turnip.......18
Hard--tree.............
Eagle--clock..........19
Stomach--eat..........18
Stem--soap............15
Lamp--oil.............16
Dream--glass..........13

Yellow--bottle.........18
Bread--soap...........15
Justice--pencil.......19
Boy--picture...........15
Light--darkness.......18
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
Chair--utensil
Sweet--sour
Whistle--trumpet
Woman--man
Cold--warm
Slow--quick
Wish--command
River--lake
White--black
Beautiful--pretty
Window--door
Rough--straight
Citizen--tramp
Foot--arm
Spider--fly
Needle--pin
Red--blue
Sleep--awake
Anger--patient
Carpet--rug
Girl--servant
High--low
Working--laziness
Sour--sweet
Earth--hemisphere
Trouble--goodness
Soldier--merchant
Cabbage--pumpkin
Hard--tight
Eagle--hawk
Stomach--abdomen
Stem--leaf
Lamp--lantern
Dream--nightmare
Yellow--lavender
Bread--pastry
Justice--badness
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--straightness...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--noiseness.......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.......... 2
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--I...............12
Wish--like...........
River--boats.......... 2
White--sheet.........
Beautiful--flowers....
Window--red...........14
Rough--streets........ 2
Citizen--honest....... 2
Foot--walking.........
Spider--kill.......... 10
Needle--sew...........
Red--nice............. 6
Sleep--rest...........
Anger--cross.........
<table>
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<td>Joy</td>
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<td>Bed</td>
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</tbody>
</table>

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Heavy--loud
Tobacco--good
Baby--good
Moon--light
Scissors--use
Quiet--good
Green--nice
Salt--use
Street--nice
King--right
Cheese--nice
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
Sickness--well
Man--human
Deep--ocean
Soft--fine
Eating--yes
Mountain--yes
House--yes
Black--yes
Mutton--yes
Comfort--yes
Hand--finger
Short--yes
Fruit--yes
Butterfly--yes
Smooth--even
Command--obey
Chair--settle
Sweet--bitter
Whistle--can't
Woman--lady
Cold--ice
Slow--fast
Wish--give
River--enjoyment
White--black
Beautiful--yes
Window--pane
Rough--smooth
Citizen--yes
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.....12
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..........10
Tobacco--yes..........6
Baby--human...........
Moon--natural.........15
Scissors--no..........12
Quiet--yes.............6
Green--shade..........10
Salt--eat............
Street--town..........12
King--ruler..........18
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..........18
sweet--sugar..........18
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...............\nHigh--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...............\nLight--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.........
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......
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
Deep--depth
Soft--hard
Eating--chewing
Mountain--high
House--living
Black--color
Mutton--sheep
Comfort--kind
Hand--body
Short--small
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.......... 2
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.......... 2
Priest--clergy....... 2
Ocean--water.........
Head--body...........
Stove--fire.......... 2
Long--tall...........
Religion--teaching...
Whiskey--drink....... 2
Child--young.......... 2
Bitter--sweet.........
Hammer--nail.........
Thirsty--drink........
City--town...........
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.
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.......... 1
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
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
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
Memory--good
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
Mutton--lamb
Comfort--rest
Hand--arm
Short--Journey
Fruit--apples
Butterfly--love
Smooth--nice
Command--order
Chair--down
Sweet--sugar
Whistle--blow
Woman--good
Cold--ice
Slow--lazy
Wish--home
River--boat
White--milk
Beautiful--flowers
Window--corner
Rough--man
Citizen--not
Foot--short
Spider--don't
Needle--steel
Red--rose
Sleep--well
Anger--not
Carpet--beauty
Girl--love
High--reason
Working--dress
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
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.......... 8
Sickness--catching....17
Man--masculine....... 7
Deep--high............ 8
Soft--chew............ 19
Eating--sometimes....12
Mountain--highlands...
House--live...........
Black--color.......... 3
Mutton--meat.......... 3
Comfort--easy......... 3
Hand--body............ 3
Short--unlongly....... 4
Fruit--plants.......... 3
Butterfly--insects.... 3
Smooth--feeling...... 3
Command--do...........
Chair--use............ 1
Sweet--taste...........
Whistle--act...........
Woman--female........ 3
Cold--acting.......... 2
Slow--gradually.......17
Wish--desire.......... 2
River--water.......... 2
White--color.......... 2
Beautiful--niceness... 2
Window--built.........19
Rough--treatment.....17
Citizen--country..... 2
Foot--body............ 2
Spider--insect........ 2
Needle--article....... 1
Red--color............ 1
Sleep--tiredness...... 4
Anger--scolding....... 4
Carpet--article....... 1
Girl--female...........
High--low
Working--do
Sour--tasting
Earth--surface
Trouble--worriment
Soldier--man
Cabbage--vegetable
Hard--difficult
Eagle--bird
Stomach--body
Stem--article
Lamp--article
Dream--untruly
Yellow--color
Bread--food
Justice--unfairly
Boy--masculine
Light--easy
Health--sickness
Bible--commandments
Memory--remember
Sheep--animal
Bath--cleaness
Cottage--country
Swift--quickly
Blue--color
Hungry--food
Priest--masculine
Ocean--water
Head--body
Stove--article
Long--shortly
Religion--Bible
Whiskey--drinking
Child--disremembering
Bitter--taste
Hammer--using
Thirsty--drinking
City--acting
Square--measuring
Butter--food
Doctor--helping
Loud--hearing
Thief--untrue
Lion--animal
Joy--gladness
Bed--lying
Heavy--unlightly
Tobacco--using
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.
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........
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
<table>
<thead>
<tr>
<th>Term</th>
<th>Frequency</th>
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<tr>
<td>Sweet--farewells</td>
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<td>Whistle--ammunition</td>
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<td>Woman--foreign</td>
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<td>Cold--armory</td>
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<td>Slow--St. Petersburg--</td>
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<td>Wish--wealth</td>
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<td>River--revenue</td>
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<td>White--purity</td>
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<td>Beautiful--colonial</td>
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<td>Window--shutters</td>
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<td>Rough--planes</td>
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<td>Citizen--naturalization</td>
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<td>Foot--carriage</td>
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<td>Spider--remedies</td>
<td>19</td>
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<td>Red--refreshments</td>
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<td>Sleep--restfulness</td>
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<td>Anger--usefulness</td>
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<td>Carpet--coach</td>
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<td>Girl--finery</td>
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<td>High--fortifications</td>
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<td>Working--materials</td>
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<td>Sour--pickles</td>
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<td>Earth--gravitation</td>
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<td>Trouble--graphophone</td>
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<td>Soldier--guns</td>
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<td>Cabbage--children</td>
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<td>Hard--inheritance</td>
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<td>Eagle--feathers</td>
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<td>Stomach--envelope</td>
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<td>Stem--roots</td>
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<td>Lamp--oil</td>
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<td>Yellow--lemons</td>
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<td>Bread--jams</td>
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<td>Justice--repentance</td>
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<td>Boy--clothes</td>
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<td>Light--lanterns</td>
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<td>Health--joys</td>
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<td>Bible--heaven</td>
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<td>Memory--head</td>
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<td>Sheep--pastures</td>
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<td>Bath--cleanliness</td>
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<td>Cottage--home</td>
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<td>Swift--rapids</td>
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<td>Blue--truth</td>
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<td>Hungry--appetite</td>
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<td>Priest--saintliness</td>
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<td>Ocean--ships</td>
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</table>
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..........19
Beautiful--monkey.....19
Window--bars........
Rough--rowdy.........
Citizen--policeman....
Foot--fine............ 9
Spider--insect.......19
Needle--sewing.......19
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...........
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.


TABLE V.

| +-----------------------+-----------------+-----------+ | Involutional | 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 | CASE No. --| 2 | 8 | 7 | 4 | 3 | 0 | 8 | 6 | 2 | 3 | 9 | 4 | 0 | 4 |

TYPES OF REACTION | 0 | 1 | 8 | 6 | 7 | 1 | 3 | 9 | 6 | 6 | 0 | 1 | 7 | 3 | 3 | 8 | 7 | 7 | 9 | 8 | 0 | 8 | 7 | 7 | 9 | 6 | 5 | 8 | 3 | 2 | 3 | 9 | 6 | 5 | 8 | 7 |

TABLE -- wood............

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............

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

135 / 542
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
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
Deep--water
Soft--pliable
Eating--cake
Mountain--high
House--bricks
Black--color
Mutton--meat
Comfort--easy
Hand--limb
Short--small
Fruit--vegetable
Butterfly--insect
Smooth--level
Command--control
Chair--sit
Sweet--nice
Whistle--noise
Woman--person
Cold--atmosphere
Slow--easy
Wish--something
River--stream
White--color
Beautiful--nice
Window--glass
Rough--unpleasant
Citizen--person
Foot--limb
Spider--insect
Needle--instrument
Red--color
Sleep--bed
Anger--irritable
Carpet--rug
Girl--person
High--elevation
Working--try
Sour--bitter
Earth--sand
Trouble--anxiety
Soldier--person
Cabbage--plant
Hard--stone
Eagle--bird
Stomach--person
Stem--apple
Lamp--light
Dream--sleep
Yellow--color
Bread--flour
Justice--Equal
Boy--child
Light--gas
Health--doctor
CASE No. 5719.--A.W.S. 5 individual reactions; 12 non-specific reactions.

Table--stand
Dark--color
Music--happy
Sickness--ill
Man--human
Deep--thought........ 1
Soft--touch...........
Eating--appetite......
Mountain--ground.....
House--shelter....... 1
Black--color.......... 1
Mutton--lamb.......... 1
Comfort--warm........
Hand--touch.......... 1
Short--small......... 1
Fruit--taste.......... 1
Butterfly--beauty..... 1
Smooth--level....... 1
Command--obey........
Chair--rest.......... 1
Sweet--good.......... 1
Whistle--noise....... 1
Woman--female........ 1
Cold--chilled......... 2
Slow--move...........
Wish--think.......... 1
River--water.......... 1
White--color.......... 1
Beautiful--nice....... 1
Window--glass........
Rough--push.......... 1
Citizen--man......... 1
Foot--body...........
Spider--insect....... 1
Needle--pointed.....
Red--blood............
Sleep--rest...........
Anger--riled.........
Carpet--covering.....
Girl--child...........
High--air...........
Working--ambitious....
Sour--taste.......... 1
Earth--ground.........
Trouble--thought..... 1
Soldier--command.....
Cabbage--vegetable....
Hard--blow............ 17
Eagle--bird.......... 1
Stomach--body....... 1
Stem--pipe.......... 1
Lamp--light.......... 1
Dream--thought....... 1
Yellow--purple....... 1
Bread--food
Justice--law
Boy--male
Light--lamp
Health--soul
Bible--Scriptures
Memory--thought
Sheep--lamb
Bath--cleanliness
Cottage--house
Swift--quick
Blue--color
Hungry--appetite
Priest--scholar
Ocean--water
Head--brains
Stove--heat
Long--measurement
Religion--good
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
Bed--rest
Heavy--load
Tobacco--nicotine
Baby--joy
Moon--light
Scissors--cutting
Quiet--rest
Green--color
Salt--sand
Street--crossing
King--ruler
Cheese--luxury
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
Mountain--pleasure
House--home
Black--grief
Mutton--butchers
Comfort--home
Hand--shake
Short--baseball
Fruit--eating
Butterfly--field
Smooth--soft
Command--oblige
Chair--seat
Sweet--flowers
Whistle--fire
Woman--home
Cold--winter
Slow--easy
Wish--home
River--dock
Whiter--day
Beautiful--handsome
Window--glass
Rough--wagon
Citizen--voter
Foot--walking
Spider--web
Needle--sticking
Red--danger
Sleep--rest
Anger--right
Carpet--house
Girl--out
High--air
Working--labor
Sour--bitter
Earth--ground
Trouble--worry
Soldier--man
Cabbage--farmer
Hard--bath
Eagle--birds
Stomach--body
Stem--pipe
Lamp--burn
Dream--thinking
Yellow--color
Bread--eating
Justice--peace
Boy--soldier
Light--day
Health--happy
Bible--books
Memory--good
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
Thief--sentence
Lion--animal
Joy--pleasure
Bed--sleeping
Heavy--weight
Tobacco--smoking
Baby--home
Moon--night
Scissors--cutting
Quiet--alone
Green--color
Salt--eating
Street--walking
King--William
Cheese--milk
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--cleanliness....
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.......... 2
Moon--bright......... 17
Scissors--cut........
Quiet--ease......... 19
Green--flower-------
Salt--taste.......... 19
Street--walking..... 17
King--control......... 19
Cheese--eat.......... 17
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.........  5
Mountain--high....... 17
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.......
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.......
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.
Eating--bark.........19
Mountain--tree.......19
House--paper.........19
Black--light.........19
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.............19
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..........19
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


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..........10
River--rubbed.......19
White--wash..........10
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..........0
Dream--drunk.........10
Yellow--lustre.......19
Bread--brand.........10
Justice--judgment.....
Boy--butter..........15
Light--love...........19
Health--help..........10
Bible--book..........0
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..........0
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..........0
Thief--thump..........19
Lion--lump...........19
Joy--jump...........19
Bed--bank...........15
Heavy--happy.........10
Tobacco--tub..........19
Baby--bundle.........0
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.......1
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.......... 10
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.......19
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.......19
Hard--table..........19
Eagle--flower........15
Stomach--match.......19
Stem--match..........19
Lamp--table..........19
Dream--chair..........14
Yellow--cane..........18
Bread--flour.........18
Justice--peace.......18
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..........18
Head--hat.............18
Stove--ashes.........17
Long--short..........18
Religion--peace.......18
Whiskey--bottle......18
Child--dress..........18
Bitter--sour..........18
Hammer--teeth........19
Thirsty--dry.........18
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


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 ..........  

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Religion--good........ 1
Whiskey--strong....... 1
Child--small........... 1
Bitter--bad........... 1
Hammer--small......... 1
Thirsty--bad........... 1
City--big.............. 1
Square--long........... 1
Butter--good........... 1
Doctor--good........... 1
Loud--hearty........... 19
Thief--bad........... 1
Lion--bad.............. 5
Joy--happy........... 1
Bed--easy..............
Heavy--stone........... 1
Tobacco--strong........ 1
Baby--small........... 1
Moon--large........... 1
Scissors--sharp.........
Quiet--baby........... 1
Green--dark........... 1
Salt--strong........... 10
Street--wide........... 1
King--high..............
Cheese--good........... 1
Blossom--apples....... 1
Afraid--he............ 12

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

Table--board........... 1
Dark--night........... 1
Music--sound........... 1
Sickness--pleasantness 9
Man--people........... 1
Deep--river........... 1
Soft--cat............. 2
Eating--pleasantness.. 1
Mountain--high........ 1
House--home........... 1
Black--dark........... 1
Mutton--good........... 1
Comfort--pleasure..... 1
Hand--foot............ 1
Short--little........... 1
Fruit--good........... 1
Butterfly--pretty..... 1
Smooth--soft........... 1
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
Stove--hot
Long--distance
Religion--good
Whiskey--bad
Child--cute
Bitter--good
Hammer--hard
Thirsty--hard
City--good
Square--round
Butter--soft
Doctor--good
Loud--noisy
Thief--good
Lion--big
Joy--good
Bed--comfortable
Heavy--light
Tobacco--bad
Baby--pretty
Moon--cute
Scissors--sharp
Quiet--loud
Green--pretty
Salt--good
Street--narrow
King--good
Cheese--good
Blossom--pretty
Afraid--scared


Table--chair
Dark--cold
Music--sweet
Sickness--hard
Man--wise
Deep--dark
Soft--sweet
Eating--drinking
Mountain--snow
House--great
Black--horse
Mutton--good

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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
CONSECUTIVE No. 809.--Lawyer. 28 individual reactions, of which 14 are classed as normal; 10 are unclassified, most of which are also obviously normal.
Soft--hand................
Eating--Reisenweber......17
Mountain--Kipling........19
House--mortgage..........17
Black--spectrum.........19
Mutton--pig..............
Comfort--chair..........17
Hand--ring...............10
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..........17
Window--school..........19
Rough--ball...............19
Citizen--justice........
Foot--shoe..............
Spider--insect...........
Needle--tailor..........17
Red--flannel............
Sleep--potassium bromide.17
Anger--teacher..........17
Carpet--tack............
Girl--belt...............17
High--pole..............
Working--laborer........
Sour--apple...........
Earth--Columbus.........17
Trouble--lawyer..........19
Soldier--gun............
Cabbage--plantation......2
Hard--brick............
Eagle--feathers..........17
Stomach--juice..........17
Stem--leaf..............
Lamp--light............
Dream--pillow...........
Yellow--lemon...........
Bread--crust............
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 or 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 paranoic conditions......................... 89 86.5 24 cases of epilepsy.............................. 781/2 75.8 32 cases of general paresis.............................. 841/2 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.

It is with pleasure that we acknowledge our indebtedness to the many persons who have assisted us in collecting the data for this work.

About two hundred tests upon normal subjects were made for us by the following persons: Dr. Frederic Lyman Wells, Dr. Jennie A. Dean, Miss Lillian Rosanoff, and Miss Madeleine Wehle.

Dr. O. M. Dewing, the late superintendent of the Long Island State Hospital, and Dr. Chas. W. Pilgrim, superintendent of the Hudson River State Hospital, have assisted the work by kindly permitting the test to be made upon employees of these institutions, and we are especially indebted to Dr. F. W. Parsons for personal assistance in securing the co-operation of many subjects.

Professor R. S. Woodworth, of Columbia University, extended to us the courtesy of the Psychological Laboratory during several weeks of the summer session of 1909, and gave us much assistance in obtaining interviews with students; we received assistance also from several of the instructors of Teachers’ College, especially Mr. Wm. H. Noyes.

We are indebted to Mr. F.C. Lewis and Mr. W.E. Stark, of the Ethical Culture School, New York, for permitting us to make the test upon the pupils of that school.

In the work of compiling the tables we have been assisted by Dr. N. W. Bartram, Dr. Jennie A. Dean, Mrs. H. M. Kent, and others.

We wish, finally, to express our thanks to Dr. Wm. Austin Macy, superintendent of this hospital, to whom we are indebted for the opportunity of undertaking this work.

THE FREQUENCY TABLES.

1. TABLE

<table>
<thead>
<tr>
<th>Word</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>accommodation</td>
<td>1</td>
</tr>
<tr>
<td>article 3</td>
<td></td>
</tr>
<tr>
<td>articles 1</td>
<td></td>
</tr>
<tr>
<td>basket 1</td>
<td></td>
</tr>
<tr>
<td>bench 9</td>
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<tr>
<td>board 14</td>
<td></td>
</tr>
<tr>
<td>book 7</td>
<td></td>
</tr>
<tr>
<td>books 5</td>
<td></td>
</tr>
<tr>
<td>boy 1</td>
<td></td>
</tr>
<tr>
<td>bread 1</td>
<td></td>
</tr>
<tr>
<td>breakfast 2</td>
<td></td>
</tr>
<tr>
<td>broad 2</td>
<td></td>
</tr>
<tr>
<td>brown 1</td>
<td></td>
</tr>
<tr>
<td>butter 1</td>
<td></td>
</tr>
<tr>
<td>cards 2</td>
<td></td>
</tr>
</tbody>
</table>
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
te 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
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
cords 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
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
infirmary 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
neuralgic 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
cost 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
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
chasms 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
spacious
steep
story
strong
study
sunken
surface
swimming
thick
thickness
thin
thinking
thought
thoughts
tranquil
trench
under
valley
vast
wading
water
well
wet
wide
width

7. SOFT

apple
baby
ball
beautiful
bed
boiled
brain
bread
breeze
butter

cake
candy
care
carpet
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
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
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
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
crevise 1

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

earth 3
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
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
cloth 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

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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

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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

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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

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warmth 4
wealth 6
well 8
well-being 1
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wish 1
woman 1
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ye 1

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arms 2

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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
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
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two 2
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useful 24
usefulness 4
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woman 1
work 49
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wrist 1
write 3
writing 11
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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
dimiiniature 1
diminutive 2
disagreeable 1
distance 10
dot 1
down 1
drawn 1
dress 3
dumpy 2
dwarf 11
dwarfs 1
easy 2
story 1
stout 24
strawberries 1
street 2
string 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

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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
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figs 1
fish 1
flesh 1
flower 3
flowers 3
fond 1
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fresh 1
garden 2
good 24
grain 2
grape 4
grapes 14
grapefruit 1
green 1
groves 1
grow 1
grows 1
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healthy 3
home 1

Italians 1
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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
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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

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vegetables 28

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wine 1

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animals 2
ant 2

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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
catterpillar 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
fluttering 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
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Japanese 1

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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
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wasp 11
white 2
wind 1
wing 11
wings 81
word 1
worm 12
worms 2

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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
deleitful 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
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ivory 1

kind 1

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lawn 2
lens 1
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lovely 1
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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
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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
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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
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
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article 4
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

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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

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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

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pipe 7
pleasure 2
police 1
policeman 6
postman 1
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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

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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
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
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

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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

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hands 1
hard 2
head 2
hearted 1
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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
uncomfortable 10
unpleasant 4

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

zero 2

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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
cautions 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
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fast 316
feeble 1
fine 1
fire 1
fly 1
foot 1
funeral 1
gait 3
gin 1
going 1

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<table>
<thead>
<tr>
<th>Word</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>haste</td>
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<td>mule</td>
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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
terrapin 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
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
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
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
Piscataqua 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
cleanliness 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
easily 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
silver 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
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
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

every 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
course 29
coarseness 1
cobblestones 1
cold 1
country 2
crooked 2
cross 1
cruel 1
desert 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
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
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
tavel 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
deadth 7
deep 5
desire 1
desperate 1
dope 1
dormitory 2
doze 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
38. ANGER

abuse 1
aggravated 1
aggravation 2
agony 1
amiability 2
amiable 1
angry 6
anguish 2
annoyance 1
annoyed 3
appearance 1
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
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
torture 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
article

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

chair
chairs
clean
cleaning
cleaner
cloth
color
colors
comfort
comfortable
cotton
cover
covering
curtains
dark
design
designer
dirt
down
drag
dullness
dust
duster
ease
electric
expense

fancy
figure
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

c 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
futurity 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
mischievious 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
<table>
<thead>
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<th>Word</th>
<th>Frequency</th>
</tr>
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<td>play</td>
<td>2</td>
</tr>
<tr>
<td>pleasure</td>
<td>4</td>
</tr>
<tr>
<td>pretty</td>
<td>29</td>
</tr>
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<td>pupil</td>
<td>1</td>
</tr>
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<td>quick</td>
<td>1</td>
</tr>
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<td>rarely</td>
<td>1</td>
</tr>
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<td>running</td>
<td>1</td>
</tr>
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<td>saucy</td>
<td>1</td>
</tr>
<tr>
<td>school</td>
<td>19</td>
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<td>servant</td>
<td>3</td>
</tr>
<tr>
<td>sex</td>
<td>4</td>
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<td>shirk</td>
<td>1</td>
</tr>
<tr>
<td>silly</td>
<td>4</td>
</tr>
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<td>6</td>
</tr>
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<td>sixteen</td>
<td>2</td>
</tr>
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<td>skirts</td>
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<td>slender</td>
<td>1</td>
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<td>1</td>
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<td>small</td>
<td>8</td>
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<td>smart</td>
<td>1</td>
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<td>smartness</td>
<td>1</td>
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<td>1</td>
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<td>studious</td>
<td>1</td>
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<td>study</td>
<td>3</td>
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<td>stylish</td>
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<td>summer</td>
<td>1</td>
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<td>sweet</td>
<td>4</td>
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<tr>
<td>sweetness</td>
<td>1</td>
</tr>
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<td>sweetheart</td>
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<td>talks</td>
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<td>tall</td>
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<td>ugly</td>
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</tr>
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<td>useful</td>
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</tr>
<tr>
<td>vanity</td>
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</tr>
<tr>
<td>virgin</td>
<td>2</td>
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<td>walk</td>
<td>1</td>
</tr>
<tr>
<td>water</td>
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</tr>
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<td>weak</td>
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<tr>
<td>white</td>
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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

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
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
dead 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
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
crude 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
flittering 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
unimpressionable 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
53. DREAM

absence 1
angle 1
angels 1
anger 1
anything 1
asleep 6
awake 11
awakening 1
awaken 1
awakening 3
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

ecrue 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
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

captured 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
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
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
cloth 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

eye 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
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
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
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<th>Word</th>
<th>Count</th>
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<td>paper</td>
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<td>rot</td>
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<td>sacred</td>
<td>3</td>
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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
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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

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reason 1
recall 4
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recollect 2
recollection 16
recollections 3
reflect 1
remember 27
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remembrance 18
remind 2
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understanding 6
unstable 1
useful 2

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will 1
wit 1
wonderful 1
work 2

youth 2

62. SHEEP

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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
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large 2
lecture 1
lowing 1
many 1
meadows 3
meat 5
meekness 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

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basin 1
bathe 2
bathing 6
beneficial 1
boat 1
boy 1

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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
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
lonesomeness 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

painted 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

65. SWIFT

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astness 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
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
grass 2
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
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
rabi 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
black 59  
blacking 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  
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heater 2  
heavy 2  
home 1  
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house 2  
household 1
icebox 1
implement 1
instrument 2
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isinglass 1
kettle 4
kitchen 11
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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
tea kettle 1
using 1
utensil 2
warm 32
warmth 42
water 1
winter 2
wood 7
zinc 1

72. LONG

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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
cloth 1
courage 1
craving 1
day 9
days 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
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

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aesthetics 1
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anything 1
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Baptist 2
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believing 1
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belonging 1
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Christian 14
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churchman 1
government 1
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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
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

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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
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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

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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
toper 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
younger 2
youth 29
youthful 1

76. BITTER

acid 8
acrid 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
80. SQUARE
decoration 1
desk 2
Dewey 1
dice 4
die 1
doors 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
dairing 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
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
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
betrayer 1
boy 3
burglar 118
burglary 2
careful 2
catch 2
caught 4
cautions 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  
sleeping 41  
sleepiness 3  
sleepy 7  
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  
avoirdupois 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
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

crue 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

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
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

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
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

acid 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

tasteless 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
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
daïsy 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
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
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
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.

23. 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.