A Study of Association in Insanity by Grace Helen Kent

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A STUDY OF ASSOCIATION IN INSANITY

BY

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THE FREQUENCY TABLES

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PART I.
ASSOCIATION IN NORMAL SUBJECTS.

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

Sec. 1. METHOD OF INVESTIGATION.

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

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

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

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Table</td>
</tr>
<tr>
<td>02</td>
<td>Dark</td>
</tr>
<tr>
<td>03</td>
<td>Music</td>
</tr>
<tr>
<td>04</td>
<td>Sickness</td>
</tr>
<tr>
<td>05</td>
<td>Man</td>
</tr>
<tr>
<td>06</td>
<td>Deep</td>
</tr>
<tr>
<td>07</td>
<td>Soft</td>
</tr>
<tr>
<td>08</td>
<td>Eating</td>
</tr>
<tr>
<td>09</td>
<td>Mountain</td>
</tr>
<tr>
<td>10</td>
<td>House</td>
</tr>
<tr>
<td>11</td>
<td>Black</td>
</tr>
<tr>
<td>12</td>
<td>Mutton</td>
</tr>
<tr>
<td>13</td>
<td>Comfort</td>
</tr>
<tr>
<td>14</td>
<td>Hand</td>
</tr>
<tr>
<td>15</td>
<td>Short</td>
</tr>
<tr>
<td>16</td>
<td>Fruit</td>
</tr>
<tr>
<td>17</td>
<td>Butterfly</td>
</tr>
<tr>
<td>18</td>
<td>Smooth</td>
</tr>
<tr>
<td>19</td>
<td>Command</td>
</tr>
<tr>
<td>20</td>
<td>Chair</td>
</tr>
<tr>
<td>21</td>
<td>Sweet</td>
</tr>
<tr>
<td>22</td>
<td>Whistle</td>
</tr>
</tbody>
</table>
23 Woman
24 Cold
25 Slow
26 Wish
27 River
28 White
29 Beautiful
30 Window
31 Rough
32 Citizen
33 Foot
34 Spider
35 Needle
36 Red
37 Sleep
38 Anger
39 Carpet
40 Girl
41 High
42 Working
43 Sour
44 Earth
45 Trouble
46 Soldier
47 Cabbage
48 Hard
49 Eagle
50 Stomach
No attempt is made to secure uniformity of external conditions for the test; the aim has been rather to make it so simple as to render strictly experimental conditions unnecessary. The test may be made in any room that is reasonably free from distracting influences; the subject is seated with his back toward the experimenter, so that he cannot see the record; he is requested to respond to each stimulus word by one word, the first word that occurs to him other than the stimulus word itself, and on no account more than one word. If an untrained subject reacts by a sentence or phrase, a compound word, or a different grammatical form of the stimulus word, the reaction is left unrecorded, and the stimulus word is repeated at the close of the test.

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

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

Sec. 2. THE NORMAL STANDARD.
In order to establish a standard which should fairly represent at least all the common types of association and which should show the extent of such variation as might be due to differences in sex, temperament, education, and environment, we have applied the test to over one thousand normal subjects.

Among these subjects were persons of both sexes and of ages ranging from eight years to over eighty years, persons following different occupations, possessing various degrees of mental capacity and education, and living in widely separated localities. Many were from Ireland, and some of these had but recently arrived in this country; others were from different parts of Europe, but all were able to speak English with at least fair fluency. Over two hundred of the subjects, including a few university professors and other highly practiced observers, were professional men and women or college students. About five hundred were employed in one or another of the New York State hospitals for the insane, either as nurses and attendants or as workers at various trades; the majority of these were persons of common school education, but the group includes also, on the one hand, a considerable number of high school graduates; and on the other hand, a few laborers who were almost or wholly illiterate. Nearly one hundred and fifty of the subjects were boys and girls of high school age, pupils of the Ethical Culture School, New York City. The remaining subjects form a miscellaneous group, consisting largely of clerks and farmers.
Sec. 3. THE FREQUENCY TABLES.

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

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

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

[Footnote 1: It should be mentioned that we have discovered a few errors in these tables. Some of these were made in compiling them from the records, and were evidently due to the assistant's difficulty of reading a strange handwriting. Other errors have been found in the
records themselves. Each of the stimulus words _butter_, _tobacco_ and _king_ appears from the tables to have been repeated by a subject as a reaction; such a reaction, had it occurred, would not have been accepted, and it is plain that the experimenter wrote the stimulus word in the space where the reaction word should have been written. Still other errors were due to the experimenter's failure to speak with sufficient distinctness when reading off the stimulus words; thus, the reaction _barks_ in response to _dark_ indicates that the stimulus word was probably understood as _dog_; and the reactions _blue_ and _color_ in response to _bread_ indicate that the stimulus word was understood as _red_.

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

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

_doubtful_.

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

Sec. 4. NORMAL ASSOCIATIONAL TENDENCIES

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

[Footnote 1: In the study of the reactions furnished by our normal
subjects it was possible to analyze the record of any subject only by
removing it from the mass of material which forms our tables, and
using as the standard of comparison the reactions of the remaining 999
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</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sex Number %</td>
<td></td>
<td></td>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
<td>%</td>
</tr>
<tr>
<td>Number of cases</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Persons of M.. 60 9.2 1.8 5.2 9.7 11.0 27.8 85.5
collegiate F... 40 9.5 1.8 8.0 9.8 11.7 28.0 83.4
education Both 100 9.3 1.8 4.7 8.7 11.8 28.2 34.4
Persons of M.. 50 5.8 1.6 8.6 8.3 10.2 81.6 88.7
common school F.. 50 4.6 1.8 8.8 7.1 9.4 82.0 42.1
education Both 100 5.2 1.4 3.5 7.7 9.8 81.8 40.4
School children M... 33 5.9 0.8 4.2 8.7 10.0 28.6 88.5
under 16 Jr. F.. 45 5.0 1.0 4.6 9.8 11.0 80.1 36.7
years of age Both 78 5.7 1.4 4.6 9.8 11.2 29.4 87.4
General average. Both.1000 6.8 1.5

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

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

With regard to the type of reaction, it is possible to select groups
of records which present more or less consistently one of the following special tendencies: (1) the tendency to react by contrasts; (2) the tendency to react by synonyms or other defining terms; and (3) the tendency to react by qualifying or specifying terms. How clearly the selected groups show these tendencies is indicated by Table II. The majority of records, however, present no such tendency in a consistent way; nor is there any evidence to show that these tendencies, when they occur, are to be regarded as manifestations of permanent mental characteristics, since they might quite possibly be due to a more or less accidental and transient associational direction. No further study has as yet been made of these tendencies, for the reason that they do not appear to possess any pathological significance.

TABLE II.

Special group values.

<table>
<thead>
<tr>
<th>Stimulus Reaction</th>
<th>General</th>
<th>Contrasting</th>
<th>Defining</th>
<th>Specifying</th>
</tr>
</thead>
<tbody>
<tr>
<td>word.</td>
<td>word.</td>
<td>value.</td>
<td>group</td>
<td>group</td>
</tr>
<tr>
<td>subjects</td>
<td>subjects</td>
<td>subjects</td>
<td>49</td>
<td>73</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>chair........</td>
<td>26.7</td>
<td>25</td>
<td>51.0</td>
<td>11</td>
</tr>
<tr>
<td>1. Table..........</td>
<td>7.5</td>
<td>0</td>
<td>13</td>
<td>17.8</td>
</tr>
<tr>
<td>furniture.......</td>
<td>1.0</td>
<td>2.0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
| round............ | 1.0     | 1.0        | 2.0      | 0          | 4.45
<table>
<thead>
<tr>
<th>Material</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood</td>
<td>7.6 2 4.1 9 12.3 10 11.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cotton</td>
<td>2.8 0 0 1 1.4 5 6.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Easy</td>
<td>3.4 0 0 8 11.0 1 1.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Feathers</td>
<td>2.4 0 0 1 1.4 5 6.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Silk</td>
<td>1.0 0 0 0 0 2 2.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sponge</td>
<td>2.2 0 0 0 0 4 4.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cloth</td>
<td>1.7 1 2.0 0 0 3 3.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>12.9 0 0 20 27.4 6 7.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td>2.9 1 2.0 1 1.4 9 10.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ink</td>
<td>1.4 0 0 1 1.4 4 4.8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>33.9 31 63.3 17 23.3 18 21.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Desire</td>
<td>19.7 7 14.3 21 28.8 10 11.9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Money</td>
<td>3.2 0 0 1 1.4 3 3.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flowers</td>
<td>4.2 0 0 1 1.4 7 8.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Girl</td>
<td>2.4 0 0 0 0 5 0.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beautiful</td>
<td>2.7 3 6.1 0 0 0 0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lovely</td>
<td>6.4 2 4.1 7 9.6 2 2.4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pleasing</td>
<td>1.6 0 0 3 4.1 0 0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sky</td>
<td>1.6 0 0 0 0 3 3.6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ugly</td>
<td>6.6 13 26.5 3 4.1 0 0</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
court........... 6.4 2 4.1 5 6.8 10 11.9
56. Justice. injustice........ 2.6 6 12.2 1 1.4 0 0
right........... 15.7 3 6.1 20 27.4 13 15.5

comfort....... 2.6 0 0 5 6.8 1 1.2
disease......... 0.9 2 4.1 0 0 1 1.2
59. Health..{ good.......... 9.4 2 4.1 8 11.0 18 21.4
sickness....... 15.3 23 46.9 6 8.2 1 1.2
strength....... 11.2 2 4.1 12 16.4 4 4.8

arrow.......... 1.3 0 0 0 0 2 2.4
fast............ 22.2 0 0 25 34.2 15 17.9
horse.......... 2.8 1 2.0 1 1.4 6 7.1
65. Swift...{ quick.......... 11.7 1 2.0 22 30.1 2 2.4
run............. 1.9 0 0 0 0 4 4.8
runner.......... 1.3 0 0 0 0 1 1.2
slow............ 19.0 30 61.2 2 2.7 4 4.8
speed........... 2.9 1 2.0 5 6.8 0 0

disagreeable.... 1.0 0 0 2 2.7 0 0
distasteful..... 1.0 0 0 4 5.5 0 0
gall............ 4.2 0 0 2 2.7 8 9.5
76. Bitter..{ medicine........ 3.7 0 0 0 0 3 3.6
quinine.......... 2.3 0 0 0 0 6 7.1
sweet........... 30.5 31 63.3 8 11.0 12 14.3
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</th>
<th>Value of reaction</th>
</tr>
</thead>
<tbody>
<tr>
<td>comfort--happiness</td>
<td>20</td>
<td>5.0%</td>
</tr>
<tr>
<td>short--long</td>
<td>11</td>
<td>27.9%</td>
</tr>
<tr>
<td>smooth--plane</td>
<td>16</td>
<td>2.3%</td>
</tr>
<tr>
<td>woman--lady</td>
<td>40</td>
<td>4.1%</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.

<table>
<thead>
<tr>
<th>Diagnosis</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dementia praecox</td>
<td>108 cases</td>
</tr>
<tr>
<td>Paranoic conditions</td>
<td>33 &quot;</td>
</tr>
<tr>
<td>Epilepsy</td>
<td>24 &quot;</td>
</tr>
<tr>
<td>General Paresis</td>
<td>32 &quot;</td>
</tr>
<tr>
<td>Manic-depressive insanity</td>
<td>32 &quot;</td>
</tr>
<tr>
<td>Involuntary melancholia</td>
<td>8 &quot;</td>
</tr>
<tr>
<td>Alcoholic psychoses</td>
<td>6 &quot;</td>
</tr>
<tr>
<td>Senile dementia</td>
<td>4 &quot;</td>
</tr>
</tbody>
</table>

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
ciauses 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.
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_ 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--diminuation_); (2) distortions of actual words, apparently of pathological origin and not due to ignorance (_hungry--foodation, thief--dissteal_); and (3) those which seem to be without any meaning whatever (_scack, gehimper, hanrow, dicut_). It is, however, impossible to draw clear-cut distinctions between these types, and for this reason we have made no provision in our classification for such division.

*Unclassified Reactions.*--This group is important, in the first place, because it is numerically a large one, and in the second place, because it contains certain fairly definite types of reactions which are placed here for the sole reason that we have not been able to find
strictly objective criteria for their differentiation from other
types.

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

_music--listen_
_smooth--suave_
_sour--curdled_
_earth--mound_

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

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

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

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

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

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

Although the occurrence of incoherent reactions is hardly subject to doubt, yet in no instance is it possible to establish with certainty that a given reaction is of this type, for in no instance can a remote, or an imagined, or a merely symbolic relationship between stimulus and reaction be positively excluded. Some, indeed, would assert that some such relationship must necessarily exist in every instance, at least in the domain of the subconscious. This circumstance necessitates the placing of this type of reactions in the
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;
as between two groups of equal definition, the one which possesses the greater pathological significance is to be preferred. In accordance with these principles we have adopted the order of preference shown in Table III., placing every reaction under the highest heading on the list under which it may be properly classed.

TABLE III

1. Non-specific (common).
2. Doubtful reactions.

INDIVIDUAL REACTIONS.
3. Sound reactions (neologisms).
4. Neologisms without sound relation.
5. Repetition of preceding reaction.
6. Reaction repeated five times.
7. Repetition of preceding stimulus.
8. Derivatives.
10. Sound reactions (words).
12. Particles of speech.
13. Association to preceding stimulus.
14. Association to preceding reaction (by frequency tables).
15. Repetition of previous reaction.
16. Repetition of previous stimulus.
17. Normal (by appendix).
18. Association to preceding reaction (without frequency tables).
Sec. 6. ERRORS INVOLVED IN THE USE OF ARBITRARY OBJECTIVE STANDARDS.

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

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

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

methods. However, to decide that question for any given reaction is

really not necessary in practice, since an error made through wrongly

placing one, two, or three reactions tinder 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 tinder 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 AA
+--+----+----+--+----+----+--+----+----+--+----+----+---+----+----+--+----+----+--+----+----+---+----+----+---+----+----+
_Common reactions:_ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Specific reactions................|90|89.8|....|90|89.7|....|91|89.4|....|72|71.4|....|631/2|58.9|....|82|71.3|....|71|63.7|....|78
|71.8|....|80 |71.2|....|
Non-specific reactions............| 4| 4.9|....| 4| 4.1|....| 5| 5.7|....| 3| 4.8|....| 3 | 4.2|....| 4| 4.8|....| 5| 6.0|....|41/2 |
5.3|....|31/2 | 4.6|....|
||||||||||||||||||||||||||||
_Doubtful reactions_................| 1| 1.1|....| 1| 0.6|....| 0| 0.7|....| 2| 2.3|....| 2 | 2.5|....| 2| 3.0|....| 3| 3.0|....| 2 | 2.2|....| 2 |
3.0|....|
||||||||||||||||||||||||||||
_Individual reactions:_ | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Normal reactions..................| 2| 1.8|41.8| 1| 1.8|35.8| 1| 1.6|42.0| 7| 7.3|33.4| 4 | 4.8|13.9| 3| 3.5|16.3|31/2| 3.4|12.6|
3 | 3.6|17.4|41/2 | 5.3|24.3|
Derivatives of stimulus words.....| 0|0.01| 0.3| 0|0.02| 0.3| 0| 0| 0 | 0|0.04| 0.2| 0 |0.16|0.46| 0|0.10|0.40| 0|0.04|0.15|
0 |0.09|0.45| 0 |0.09|0.43|
Non-specific Reactions............| 0| 0.1| 3.3| 0|0.1 | 1.2| 0|0.2 | 5.3| 0|0.4 | 2.0| 0 |0.6 |1.7 | 0|0.4 |1.7 | 0|0.5 |1.8 | 1
|0.5 |2.4 | 0 |0.3 |1.6 |
Sound reactions (words)...........| 0|0.08| 1.9| 0|0.05| 0.9| 0| 0 | 0 | 0|0.11| 0.5| 0 |1.62|4.7 | 1|1.60|7.4 | 0|0.54|2.0 | 0
|0.22|1.0 | 1 |1.53|7.1 |
Sound reactions (neologisms)......| 0|0.01| 0.3| 0|0.02| 0.3| 0| 0 | 0 | 0| 0 | 0 | 0 |0.07|0.2 | 0|1.0 |4.7 | 0|0.17|0.6 | 0
|0.06|0.3 | 0 |0.03|0.1 |
Word complements..................| 0|0.01| 0.3| 0|0.03| 0.6| 0| 0 | 0 | 0|0.08| 0.3| 0 |0.06|0.2 | 0|0.03|0.1 | 0| 0 | 0 | 0
|0.06|0.3 | 0 |0.10|0.9 |
Particles of speech...............| 0|0.09| 2.2| 0|0.06| 1.2| 0|0.06| 1.6| 0|0.68| 3.1| 0 |1.06|3.1 | 0|0.50|2.2 | 0|1.53|5.3 | 0
|1.22|5.3 | 0 |1.32|6.1 |
Association to preceding stimulus.| 0|0.06| 1.4| 0|0.06| 1.2| 0|0.04| 1.1| 0|0.49| 2.2| 0 |0.92|2.7 | 0|0.60|2.7 |
1|1.04|3.8 | 0 |0.75|3.6 | 0 |0.53|2.5 |
Association to preceding reaction.| 0| 0 | 0 | 0| 0 | 0 | 0|0.04| 1.0| 0|0.09| 0.4| 1 |1.29|3.8 | 0|0.40|2.0 | 1|2.50|9.2 | 1
|3.69|17.7| 0 |0.37|1.7 |
Repetition of preceding stimulus..| 0| 0 | 0 | 0|0.03| 0.6| 0| 0 | 0 | 0| 0 | 0 | 0 |0.06|0.2 | 0| 0 | 0 | 0|0.08|0.3 | 0 | 0 | 0 |
0|0|0|
Repetition of previous stimulus...| 0| 0 | 0 | 0|0.01| 0.3| 0| 0 | 0 | 0|0.02| 0.1| 0 |0.12|0.4 | 0|0.10|0.4 | 0|0.29|1.1 | 0

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Repetition of preceding reaction... 0.28 1.4 0 0.28 3.4 0.12 0.6 0.58 2.1 0.22 10.9 0.73 3.6

Repetition of previous reaction... 0.21 4.7 0.31 6.3 0.23 5.8 0.92 4.2 2.72 7.9 1.51 7.1 3.46 12.7 0.87 4.2 0.91 4.2

Reaction repeated five times...... 0 0 0 0.05 0.9 0.08 2.1 0.32 1.5 0.152 4.4 0.121 5.5 0.458 16.8 0.128 6.1 0.81 3.8

Neologisms without sound relation. 0 0 0 0 0 0.02 0.5 0 0 0 1.90 5.5 0.81 3.7 0.58 2.1 0.09 0.4 0 0.31 1.5

Unclassified...................... 2 1.8 43.4 2 2.5 50.3 1 1.5 39.4 11 11.1 51.2 11 16.2 47.2 5 9.3 43.5 6 7.7 28.5 5 5.9 28.4 4 8.6 40.1

86 normal subjects, common school education; records containing not over 10 individual reactions.

A. Median per cent of all reactions.
B. Average per cent of all reactions.
C. Average per cent of individual reactions.

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

D. Median per cent of all reactions.
E. Average per cent of all reactions.
F. Average per cent of individual reactions.
46 normal subjects, school children; records containing not over 10 individual reactions.

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

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

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

108 cases of dementia praecox.

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

33 cases of paranoic conditions.

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

24 cases of epilepsy.

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

32 cases of general paresis.

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

32 cases of manic-depressive insanity.

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

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

It must be noted that not infrequently cases of dementia praecox give test records that cannot be distinguished from normal. It seems that the pathological associational tendencies constitute merely a special group of symptoms, some of which may be expected to be manifest in cases which have reached a state of advanced mental deterioration, but may not necessarily be present in the early stages of the disease. On the other hand there is evidence to show that these tendencies may in some cases appear among the earliest manifestations. This matter will be referred to again.
Thus the test records of dementia praecox depart from the normal not sharply but by a gradual shading off. We find similar gradual transitions between dementia praecox and other psychoses. For this work we selected cases in which the diagnoses were established with reasonable certainty. Whether or not in cases of doubtful clinical classification this association test may be of aid in determining the diagnosis, is a question that must for the present remain open.

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

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

Table--meadow.........19
Dark--black...........
Music--sweet.........
Sickness--dead....... 2
Man--manion......... 3
Deep--near...........19
Soft--sooner.........19
Eating--formble....... 4
Mountain--gair....... 4
House--temble......... 4
Black--benched........ 4
Mutton--ranch........ 4
Comfort--bumble...... 4
Hand--semble.......... 4
Short--simber......... 4
Fruit--narrow.........13
Butterfly--Ben........19
Smooth--gum..........19
Command--bramble......19
Chair--low............
Sweet--temper.........19
Whistle--bensid...... 4
Woman--hummery....... 4
Cold--gunst......... 4
Slow--bemper......... 4
Wish--tip.............19
River--gumper......... 4
White--Andes..........19
Beautiful--ginper.... 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--harner........... 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
CASE No. 5183.--G. D. Neologisms; numerous unclassified reactions, mostly incoherent; some sound neologisms.

Table--muss...........19
Dark--gone............19
Music--caffa.......... 4
Sickness--monk.......19
Man--boy..............
Deep--lesson...........19
Soft--ness............ 4
Eating--pie...........
Mountain--Gus.........19
House--muss..........15
Black--court.........19
Mutton--beef.........
Comfort--ness........ 4
Hand--koy............ 4
Short--ness.......... 4
Fruit--dalb.......... 4
Butterfly--flack..... 4
Smooth--mess.........19
Command--cork.......19
Chair--ness......... 4
Sweet--Bess.........17
Whistle--toy.........
Woman--girl.........
Cold--cork..........15
Slow--mass..........19
Wish--veil.......... 4
River--mouth........17
White--cast.........17
Beautiful--ness......4
Window--crow.........19
Rough--ratter........19
Citizen--zide........4
Foot--malloy........4
Spider--straw.........19
Needle--cast..........15
Red--Roman...........19
Sleep--scack..........4
Anger--gois.......... 4
Carpet--noise........13
Girl--call............18
High--hort........... 4
Working--kaffir........19
Sour--romerscotters...4
Earth--bell..........19
Trouble--tramine..... 4
Soldier--gas........... 19
Cabbage--cor........... 4
Hard--kalbas........... 4
Eagle--bell............... 15
Stomach--chenic........ 4
Stem--trackstar........ 3
Lamp--loss................ 19
Dream--melso........... 4
Yellow--ormondo........ 4
Bread--life..............
Justice--quartz........ 19
Boy--nellan............. 4
Light--cor................ 4
Health--hallenbee...... 4
Bible--book..............
Memory--bike............ 19
Sheep--armen........... 4
Bath--cor............... 4
Cottage--callan......... 4
Swift--swar............... 3
Blue--blacksen.......... 4
Hungry--scatterbuck... 4
Priest--canon........... 17
Ocean--men............... 19
Head--will............... 19
Stove--somen............ 4
Long--lass............... 19
Religion--cor........... 4
<table>
<thead>
<tr>
<th>Term</th>
<th>Frequency</th>
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<td>15</td>
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<tr>
<td>Cheese</td>
<td>4</td>
</tr>
<tr>
<td>Blossom</td>
<td>19</td>
</tr>
<tr>
<td>Afraid</td>
<td>19</td>
</tr>
</tbody>
</table>
CASE No. 1500.--D.V. Considerable number of neologisms; stereotypy manifested partly in a tendency toward frequent repetition of certain reactions but mainly in a persistent tendency to make use of the grammatical form of present participle, giving rise to numerous doubtful reactions.

Table--stand...........
Dark--lonesome........
Music--playing........
Sickness--disease.....
Man--hiding...........19
Deep--unreckless..... 4
Soft--beginning.......19
Eating--plenty........
Mountain--high........
House--standing....... 6
Black--grivelling..... 4
Mutton--plenty.......15
Comfort--laying.......19
Hand--disease..........15
Short--writing.........13
Fruit--coming..........19
Butterfly--flying.....
Smooth--glimming..... 4
Command--master......
Chair--standing....... 6
Sweet--sugar........
Whistle--blowing......
Woman--loving.........
Cold--cellar..........19
Slow--coming..........15
Wish--dreaming--------2
River--divided..........19
White--wall.......... 
Beautiful--pleasant... 1
Window--breaking...... 2
Rough--tumble.......... 
Citizen--gentleman....
Foot--sweating.........19
Spider--biting.........2
Needle--stinging.........2
Red--coloring......... 
Sleep--dreaming....... 
Anger--widing......... 4
Carpet--cleaning....... 
Girl--pretty.......... 1
High--degrace......... 4
Working--nobody.........19
Sour--holling......... 4
Earth--disgrace.........19
Trouble--plenty....... 
Soldier--shooting.....13
Cabbage--welldebell.... 4
Hard--earning......... 4
Eagle--setting........19
Stomach--degrivel..... 4
Stem--biting..........19
Lamp--burning........
Dream--walking.......19
Yellow--blowing.......15
Bread--making........
Justice--unpossible... 4
Boy--growing.......... 2
Light--stand........... 6
Health--raising.......19
Bible--teaching....... 2
Memory--together......12
Sheep--weeding.......19
Bath--held............19
Cottage--standing..... 2
Swift--incuriossable.. 4
Blue--smooven......... 4
Hungry--uncareless.... 4
Priest--going..........19
Ocean--moving......... 2
Head--setting.........15
Stove--warm..........  
Long--slowly......... 2
Religion--everything..19
Whiskey--burning......
Child--born..........  
Bitter--taking........19
Hammer--hitting....... 2
Thirsty--drinking.....
City--welldebell....... 4
Square--taking.......15
Butter--soft.........
Doctor--instrument....19
Loud--speaking....... 2
Thief--gitting....... 4
Lion--scared..........17
Joy--playing......... 2
Bed--laying......... 2
Heavy--raisen....... 4
Tobacco--eating.......19
Baby--born...........
Moon--shining........
Scissors--cutting....

Quiet--hitting.......15
Green--landed.......19
Salt--throwing.......19
Street--walking....... 
King--tension.......19
Cheese--eating....... 
Blossom--growing...... 2
Afraid--nobody....... 

CASE No. 5138.--C.J. Unclassified reactions, mostly incoherent.
Table--tablecloth.....
Dark--forward.........19
Music--instrument.....
Sickness--fluid.......19
Man--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..........17
Beautiful--homely.....17
Window--sill..........17
Rough--paint........19
Citizen--pedestrian...19
Foot--rose...........19
Spider--towel.........19
Needle--lifter........19
Red--dove.............19
Sleep--coat...........13
Anger--smile..........19
Carpet--gas...........19
Girl--kite...........19
High--cow.............19
Working--candy.......19
Sour--peach..........17
Earth--balloon.......19
Trouble--grass........13
Soldier--brass........17
Cabbage--flea.........19
Hard--cat..............19
Eagle--negro...........10
Stomach--winter.......19
Stem--leaf...........
Lamp--cloth...........19
Dream--slumber........
Yellow--pink.........
Bread--glass...........19
Justice--coal.........19
Boy--maid.............
Light--shine..........19
Health--pale.........17
Bible--leaf...........
Memory--grief.........19
Sheep--giraffe......19
Bath--soap...........
Cottage--scene......19
Swift--slow...........
Blue--piece.........19
Hungry--food.........
Priest--minister....
Ocean--waves.........
Head--black..........19
Stove--lid............
Long--short..........19
Religion--Christian...
Whiskey--malt........
Child--baby...........
Bitter--sweet........
Hammer--nail.........
Thirsty--water........
City--steeple........19
Square--marble.......19
Butter--bread........
Doctor--aster.........19
CASE No. 17979.--R.T. Unclassified reactions, mostly incoherent.

Table--full..........19
Dark--coldness....... 2
Music--aeronaut.......19
Sickness--better....... 19
Man--extension....... 19
Deep--electrician.....19
Soft--harden......... 2
Eating--stomach....... 1
Mountain--Lord....... 19
House--roof.......... 1
Black--darkness....... 1
Mutton--working....... 19
Comfort--ahead....... 12
Hand--mercury......... 19
Short--have........... 12
Fruit--flavor......... 19
Butterfly--plant...... 13
Smooth--level........ 1
Command--obedient..... 1
Chair--rest........... 1
Sweet--polish......... 19
Whistle--note.......... 1
Woman--comfort....... 1
Cold--pleasant....... 1
Slow--move............ 1
Wish--wealth.......... 1
River--shell.......... 19
White--change......... 19
Beautiful--sat......... 19
Window--temperature... 39
Rough--shell.......... 15
Citizen--soldier..... 1
Foot--travel.......... 1
Spider--web.......... 1
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--caught....... 2
Lion--crown..........15
Joy--pleasure.........1
Bed--comforts........
Heavy--thoughts.......1
Tobacco--changes.....15
Baby--pleasure.........1
CASE No. 3307.--G.F. Unclassified reactions, mostly incoherent; slight tendency to respond by sound reactions.
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..........0
Slow--ferry...........17
Wish--sample..........19
River--shades.........19
Whiter--blue.........
Beautiful--suspenden..19
Window--wood.........
Rough--chisel.........19
Citizen--ruler........
Foot--snake..........19
Spider--fly..........0
Needle--bird..........13
Red--green..........0
Sleep--opening........19
Anger--angry..........0
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..........19
Bath--sponge..........19
Cottage--house.......19
Swift--mouse..........19
Blue--fall.............19
Hungry--appetite.....
Priest--pastor........
Ocean--waves.........
Head--hat
Stove--blackening..... 2
Long--garden.........19
Religion--goodness.... 1
Whiskey--Kummell.....17
Child--woman......... 1
Bitter--coughing......19
Hammer--sofa........19
Thirsty--pillow.......18
City--united.........19
Square--oblong....... 
Butter--lard.......... 
Doctor--physician....
Loud--easy.......... 
Thief--burglar....... 
Lion--tiger.......... 
Joy--healthy......... 2
Bed--thread.........10
Heavy--gloves........17
Tobacco--cigar....... 
Baby--hood..........11
Moon--stars......... 
Scissors--knife......
Quiet--recollect.....17
Green--ring.........19
Salt--pencil.........19
Street--bushes.......19
King--Germany......17
Cheese--rice...........17
Blossom--pepper.......19
Afraid--allspice......18

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

Table--vote...........19
Dark--plenty..........19
Music--health........19
Sickness--fright......
Man--manager..........10
Deep--slow............19
Soft--pepper..........19
Eating--vanity........19
Mountains--slept......19
House--courage........19
Black--funeral........
Mutton--age...........19
Comfort--slide........19
Hand--credit..........19

Short--Simpson........17
Fruit--physician......19
Butterfly--torment....19
Smooth--button.......17
Command--scarf........19
Chair--rage.........19
Sweet--cider.........17
Whistle--lace.........19
Woman--debt.........19
Cold--powderly......4
Slow--telephone.......19
Wish--regret.........17
River--herald.........19
White--black.........
Beautiful--jolly......19
Window--pane.........
Rough--duty.........19
Citizen--ward.........17
Foot--minister.......19
Spider--handsome......19
Needle--pin.......... 
Red--white.......... 
Sleep--apple.........13
Anger--sour..........19
Carpet--wood.........
Girl--boy...........
High--low...........
Working--height......13
Sour--pitcher.........19
Earth--clam..........19
Trouble--necessity....9
Soldier--marine......
Cabbage--watermelon...17
Hard--cracker........17
Eagle--bright........19
Stomach--back........
Stem--stimulant.......10
Lamp--hair...........19
Dream--knees..........19
Yellow--amen..........12
Bread--general.......19
Justice--no...........2
Boy--grass............19
Light--thought........9
Health--depression....17
Bible--judger.........4
Memory--stomach......19
Sheep--crusade.......19
Bath--labor..........19
Cottage--cotton......10
Swift--depth..........19
Blue--crimson........17
Hungry--alloyed.......19
Priest--politicians...17
Ocean--sea..........
Head--cranium........
Stove--soft..........19
Long--biles..........4
Religion--bunion.....10
Whiskey--vinegar.....17
Child--edge..........19
Bitter--born........10
Hammer--wood.........
Thirsty--cradle......19
City--flames..........19
Square--eating......19
Butter--dirt.........19
Doctor--malefactor...19
Loud--quinine.......19
Thief--joy..........19
Lion--sage..........19
Joy--thorn..........19
Bed--draper.........19
Heavy--close.........19
Tobacco--weed.......19
Baby--stop...........19
Moon--starch.........19
Scissors--crepe......17
Quiet--bustle.......19
Green--color........19
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
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--resustication... 4
Anger--uncared........19
Carpet--foreign........15
Girl--celt..............19
High--wine..............10
Working--prayer.........19
Sour--flower............10
Earth--tariff...........19
Trouble--ledger.........19
Soldier--work...........
Cabbage--ancient........19
Hard--provender.........19
Eagle--school...........19
Stomach--bowels........
Stem--tide..............
Lamp--scientific........19
Dream--somno............4
Yellow--pain............19
Bread--populous.........19
Justice--thwart.........19
Boy--globe..............19
Light--female...........13
Health--linen...........19
Bible--divine...........17
Memory--current.........19
Sheep--water...........
Bath--rain..............18
Cottage--journal.........19
Swift--yacht............17
Blue--novel..........19
Hungry--viand....... 2
Priest--pedestrian...15
Ocean--commotion....10
Head--sugar..........19
Stove--writer........19
Long--mingle.........19
Religion--tent-------
Whiskey--copulency... 4
Child--editor.........19
Bitter--backward.....19
Hammer--youth.......19
Thirsty--salt.........17
City--gentler.........19
Square--angelus.......19
Butter--pastry.......17
Doctor--veterinary...17
Loud--muslin.........19
Chief--grocer.........19
Lion--trip............19
Joy--penance.........17
Bed--granite.........19
Heavy--note...........19
Tobacco--vanese...... 4
Baby--school.........15
Moon--element........19
Scissors--elderly.....19
Quiet--trinity........19
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."
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....... 6
Stem--hat..........15
Lamp--cat.......... 6
Dream--cat......... 5
Yellow--cat......... 5
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.......... 5

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

Table--eat.......... 1
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....... 5
Mutton--good......... 1
Comfort--home........
Hand--useful.......... 1
Short--useful.......... 5
Fruit--healthy....... 1
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....... 
Ocean--fresh.........19
Head--unhealthy......15
Stove--warmth
Long--length
Religion--needed...... 2
Whiskey--needed....... 5
Child--needed........
Bitter--needed....... 5
Hammer--needed....... 5
Thirsty--water........
City--pretty.......... 6
Square--honest........
Butter--good......... 1
Doctor--needed........
Loud--needed.......... 5
Thief--trust.......... 5
Lion--love............ 19
Joy--laughter.........
Bed--comfortable......
Heavy--sleepiness..... 2
Tobacco--needed....... 6
Baby--needed.......... 5
Moon--needed.......... 5
Scissors--needed..... 5
Quiet--pleasure------- 1
Green--me............. 18
Salt--needed...........
Street--needed........ 5
King--needed........... 5
Cheese--needed....... 5
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

Cold--fire

Slow--speed

Wish--go

River--boat

White--stem

Beautiful--cloak

Window--drift

Rough--storm

Citizen--citron

Foot--feed

Spider--web

Needle--thread

Red--sew

Sleep--rest

Anger--health

Carpet--carrots

Girl--eat

High--horse

Working--hay

Sour--cut

Earth--machine

Trouble--repair

Soldier--mow

Cabbage--plant
Hard--seed............18
Eagle--bird..........  
Stomach--egg........17
Stem--join.......... 
Lamp--oil.......... 
Dream--burn..........13
Yellow--gas..........18
Bread--flour.........
Justices--drink......19
Boy--girl.......... 
Light--man.......... 9
Health--woman........ 1
Bible--baby..........10
Memory--want........19
Sheep--lamb.......... 
Bath--water.......... 
Cottage--hay..........15
Swift--corn..........18
Blue--eat..........18
Hungry--ham..........17
Priest--pickle......18
Ocean--turnip........18
Head--hair.......... 
Stove--coal.......... 
Long--wood..........13
Religion--lemon.......10
Whiskey--wheat........17
Child--rye..........18
Bitter--medicine......
Hammer--nail.........
Thirsty--beer........
City--cake............19
Square--pie...........18
Butter--cream.........
Doctor--herb..........19
Loud--duck...........19
Thief--feathers......18
Lion--animal.........
Joy--peace............
Bed--sleep............
Heavy--rest...........13
Tobacco--chew........
Baby--chair...........19
Moon--sun.............
Scissors--cut.........
Quiet--hair...........18
Green--grapes.........
Salt--bag.............19
Street--stone.........
King--cement..........18
Cheese--money.........19
Blossom--flower......
Afraid--fast..........19

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

Table--eating........
Dark--night.........
Music--piano........
Sickness--stoppery.... 4
Man--manly..........  
Deep--knowing......... 6
Soft--undoable........ 4
Eating--oblong......... 19
Mountain--guide......... 19
House--residing......... 2
Black--dress.........
Mutton--aiding......... 19
Comfort--escorted......... 6
Hand--escorted......... 5
Short--unescorted......... 18
Fruit--eating.........
Butterfly--interfere..19
Smooth--knowing......... 6
Command--unerrorer......... 4
Chair--seated.........
Sweet--durable......... 19
Whistle--treated......... 19
Woman--help......... 2
Cold--stoppery......... 4
Slow--unknowing......... 4
Wish--treated........15
River--boats........
White--treasurer.....19
Beautiful--form....... 
Window--outlook......
Rough--unescorted....15 
Citizen--residing.....2
Foot--travel.......... 
Spider--stoppery.....4
Needle--clothing.....2
Red--color............
Sleep--stoppery.......4
Anger--unguarded.....17
Carpet--residence....15
Girl--help............6
High--escorted........6
Working--man..........1
Sour--form...........15 
Earth--platformer.....4
Trouble--unguarded...15
Soldier--sentinel.....2
Cabbage--dinners.....2
Hard--escorted........6
Eagle--newspaper.....17
Stomach--health......
Stem--winding.........
Lamp--reading........
Dream--guarded.......19
Yellow--aged........19
Bread--knowing.......6
Justice--bar.........17
Boy--help............6
Light--advice........19
Health--doableness..4
Bible--church........
Memory--knowing......2
Sheep--aided.........15
Bath--stoppery.......4
Cottage--seashore....
Swift--business......17
Blue--help...........6
Hungry--unadded.....4
Priest--Rome........19
Ocean--help..........6
Head--knowing........2
Stove--cooking....... 
Long--bank...........19
Religion--church.....
Whiskey--drink....... 
Child--help...........6
Bitter--error.........16
Hammer--builder......2
Thirsty--drink....... 
City--building....... 
Square--unerrorer....4
Butter--eating........
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..........2
Whistle--noise........
Woman--boy............
Cold--house...........13
Slow--store...........14
Wish--work............19
River--sound..........17
White--blue...........
Beautiful--fair........
Window--door..........17
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...............Hard
Eagle--bird...............Eagle
Stomach--friend.........19
Stem--tree...............Stem
Lamp--couch.............19
Dream--desk.............19
Yellow--table............
Bread--chair............14
Justice--truth...........
Boy--honor...............13
Light--tails.............19
Health--care.............Health
Bible--book...........
Memory--remembrance...
Sheep--free...........19
Bath--court...........19
Cottage--pitcher......19
Swift--strong........
Blue--delicate.......18
Hungry--bread........
Priest--church....... 
Ocean--ship.......... 
Head--height.........2
Stove--people........9
Long--heart..........15
Religion--Catholic....
Whiskey--Brooklyn....19
Child--New York......18
Bitter--frost.......19
Hammer--summer......10
Thirsty--fall........18
City--autumn.........18
Square--winter.......18
Butter--daily........19
Doctor--midnight.....19
Loud--forenoon.......18
Thief--afternoon.....18
Lion--evening........18
Joy--sorrow......... 
Bed--obstinate.......19
Heavy--indifferent....19
Tobacco--pipe........
Baby--mother........
Moon--daughter.....18
Scissors--son-------18
Quiet--sister-------18
Queen--brother------18
Salt--forward-------19
Street--proper-------19
King--vulgar--------18
Cheese--personal....15
Blossom--tree-------
Afraid--fear--------

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

Table--tablet-------10
Dark--dot----------10
Music--Lizzie-------19
Sickness--Josh------17
Man--McMahon-------10
Deep--deaf (deef)....10
Soft--sulphur-------10
Eating--itching-----10
Mountain--mouth.....10
House--horse--------10
Black--back...........10
Mutton--button.......10
Comfort--community....10
Hand--hat............10
Short--shore..........10
Fruit--Freehoff.......10
Butterfly--busty......3
Smooth--small.........1
Command--Cummings.....10
Chair--cherries.......10
Sweet--sweeten.......8
Whistle--Walters......19
Woman--wayman........10
Cold--laboratory......19
Slow--slaw............10
Wish--wishbone........
River--Ontario........17
White--William.........19
Beautiful--bureau.....10
Window--Weldon........10
Rough--saw............17
Citizen--Sendow.......17
Foot--hoof............17
Spider--web...........
Needle--shoe...........19
Red--book............
Sleep--sitting.........19
Anger--Freeman........19
Carpet--longing.......19
Girl--gone............19
High--law............19
Working--back.......15
Sour--clock.........19
Earth--flower-------
Trouble--sensibility..17
Soldier--sodder.....10
Cabbage--Cabot......10
Hard--done.......... 2
Eagle--time.........19
Stomach--mat--------19
Stem--water--------
Lamp--florist-------19
Dream--Conners.......19
Yellow--flower------
Bread--water-------
Justice--Gaynor.....17
Boy--passion--------19
Light--life---------
Health--wealth-------
Bible--gone.........15
Memory--Hans--------19
Sheep--pasture------
Bath--Rogan---------19
Cottage--house------
Swift--swim---------10
Blue--Thompson------19
Hungry--memory.......18
Priest--golden.......18
Green--hat.........15
Head--broom.........19
Stove--fan..........19
Long--time.......... 
Religion--Yukon......19
Whiskey--Freeman.....15
Child--Hopkins......17
Bitter--brown.......19
Hammer--hands.......19
Thirsty--thirty......10
City--sure...........19
Square--squire.......10
Butter--Tam O'Shanter.10
Doctor--Dorsan.......10
Loud--law...........15
Thief--child.........19
Lion--dirty..........19
Joy--commerce........19
Bed--strike...........19
Heavy--Walden.......19
Tobacco--Alice.......19
Baby--water...........15
Moon--handsome.......19
Scissors--comet......19
Quiet--tiger...........19
Green--tree.........
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..........10
Soft--silk..........10
Eating--elephant....19
Mountain--many......10
House--home.........
Black--brown........
Mutton--men..........10
Comfort--cat.........10
Hand--hat...........10
Short--shift.........10
Fruit--free..........10
Butterfly--baby.....19
Smooth--soft........
Command--cat..........10
Chair--comfort....... 
Sweet--sugar........ 
Whistle--wine........19
Woman--when..........10
Cold--cat............15
Slow--short.........
Wish--when...........12
River--Rhine........
White--when..........10
Beautiful--baby......
Window--wide........
Rough--red...........19
Citizen--company.....19
Foot--feeling........19
Spider--speck..........10
Needle--nothing.......18
Red--rose...........
Sleep--should.........12
Anger--after..........10
Carpet--cat..........10
Girl--God..............19
High--heaven........
Working--will........2
Sour--sweet.........
Earth--eaten..........14
Trouble--tea..........10
Soldier--sailor......
Cabbage--cobweb......19
Hard--haven't.......12
Eagle--eaten.........15
Stomach--sat.........10
Stem--should.........12
Lamp--little.........19
Dream--did...........12
Yellow--you..........10
Bread--butter........
Justice--Jesus.......10
Boy--baby.............
Light--love..........14
Health--heaven.......
Bible--bitch.........19
Memory--man.........1
Sheep--shepherd.....
Bath--both..........10
Cottage--cat.........10
Swift--said..........19
Blue--bad............9
Hungry--haven't......12
Priest--Pope.........
Ocean--open..........10
Head--heart.......... 
Stove--steel.........
Long--little.........15
Religion--right......
Whiskey--when...12
Child--chimney....19
Bitter--both.....15
Hammer--heart....15
Thirsty--think....9
City--church.....17
Square--swift....19
Butter--bread....
Doctor--debtor...10
Loud--loaf......19
Thief--theatre...10
Lion--liar.......10
Joy--jam.........19
Bed--broom.....19
Heavy--hard.....
Tobacco--Tom.....19
Baby--brother...17
Moon--men.......2
Scissors--shift...10
Quiet--quilt.....10
Green--grass....
Salt--said.......19
Street--Stevens..10
King--kite.......19
Cheese--cat.....15
Blossom--bad.....9
Afraid--anger....
CASE No. 12720.--J.B. Unclassified reactions, many of which are probably due to distraction; some stereotypy. Note on test record states: "Influenced by sensory impressions, but gave good attention to each stimulus word. Had some difficulty in limiting his response to one word, but made all possible effort to comply with every request. On one occasion he was asked to react with his eyes closed, but was unable, under the unnatural conditions, to respond with one word."

Table--floor........
Dark--light.........
Music--shoe.........19
Sickness--well....... 
Man--boy............
Deep--sea.......... 
Soft--soap......... 
Eating--tea.........17
Mountain--forest.....17
House--horse.........10
Black--sill..........19
Mutton--tablecloth....17
Comfort--black.......16
Hand--fingers........
Short--wrist.........13
Fruit--soup...........17
Butterfly--grape......13
Smooth--coat...........

Command--vest.........18

Chair--pillow.........19

Sweet--brick.........19

Whistle--knuckles.....19

Woman--wall..........19

Cold--eating.........19

Slow--swift...........

Wish--knob............19

River--pad............19

White--book...........19

Beautiful--shadow.....6

Window--stockings.....19

Bough--stand..........19

Citizen--blue.........19

Foot--brass...........19

Spider--shoelace.....19

Needle--name..........19

Red--sunlight.........19

Sleep--flag...........18

Anger--slant..........19

Carpet--rip...........19

Girl--lady............

High--stripe.........19

Working--steam.......17

Sour--handkerchief....19

Earth--ground........

Trouble--insect.......19
Soldier--army
Cabbage--sill.........15
Hard--washstand.......19
Eagle--blue...........15
Stomach--tap..........19
Stem--sill............15
Lamp--back............19
Dream--shadow.........2
Yellow--blanket.......19
Bread--horizontal....19
Justice--ink...........19
Boy--taste............19
Light--yellow........
Health--book..........19
Bible--Joseph.........17
Memory--Joe............18
Sheep--pillow.........19
Bath--Mott............19
Cottage--globe.........19
Swift--continue.......19
Blue--notice...........19
Hungry--Josephine.....19
Priest--sixteen......12
Ocean--flag...........15
Head--cabbage.........
Stove--rivet..........17
Long--floor............19
Religion--priest.....
Whiskey--tin.........19
Child--shadow......... 6
Bitter--black..........15
Hammer--buttons......15
Thirsty--shadow....... 6
City--back............15
Square--oval.........
Butter--table........
Doctor--doorway......10
Loud--shadow......... 6
Thief--butter..........16
Lion--difference.....19
Joy--ink...............15
Bed--butter..........15
Heavy--shadow........ 6
Tobacco--wood........13
Baby--wall............15
Moon--lightning......17
Scissors--book.......15
Quiet--yellow.........15
Green--sole...........19
Salt--ink.............19
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..........18
Black--rabbit.......18
Mutton--hen.........18
Comfort--dog........15
Hand--clock.........
Short--myself........
Fruit--post.........19
Butterfly--bricks...19
Smooth--glass.......
Command--sand........10
Chair--leaf............19
Sweet--wood..........19
Whistle--earth........19
Woman--grass.........14
Cold--mustard.........19
Slow--kale...........19
Wish--lampsquob......4
River--ten...........12
White--rock...........17
Beautiful--water.....17
Window--scene.........
Rough--been...........12
Citizen--house........13
Foot--stable..........2
Spider--horse.........13
Needle--pin...........
Red--cushion..........18
Sleep--black..........13
Anger--white..........14
Carpet--vingency.....4
Girl--noodles........19
High--macaroni.......18
Working--tomatoes....18
Sour--asparagus.......18
Earth--oakry..........4
Trouble--peas.........19
Soldier--beans.......18
Cabbage--greens

Hard--cow

Eagle--robin

Stomach--hawk

Stem--fishes

Lamp--whale

Dream--shark

Yellow--crabs

Bread--red

Justice--jam

Boy--be

Light--girl

Health--filth

Bible--book

Memory--bad

Sheep--dat

Bath--oval

Cottage--nurse

Swift--begin

Blue--joy

Hungry--wonder

Priest--apostle

Ocean--preacher

Head--dead

Stove--store

Long--lone

Religion--world

Whiskey--whisper
Child--gule........... 4
Bitter--Rugby...........19
Hammer--ball...........18
Thirsty--sun...........19
City--Christ..........10
Square--Jesus..........18
Butter--Joe...........19
Doctor--John..........17
Loud--Luke..........18
Thief--St. Matthew....18
Lion--lie..........10
Joy--George..........10
Bed--Beth..........10
Heavy--tither...........4
Tobacco--iron..........13
Baby--blade..........10
Moon--stars...........
Scissors--sun..........13
Quiet--wired..........10
Green--mean..........10
Salt--Lou...........19
Street--vault..........19
King--sepulchre............18
Cheese--Presbyterian..19
Blossom--Baptist......18
Afraid--Methodist.....18
CASE No. 1431.--A.L. Sound reactions; particles; unclassified reactions, mostly incoherent.

Table--ammiting...... 4
Dark--cat............
Music--hello.........12
Sickness--spelling....19
Man--then............12
Deep--heap............10
Soft--deep............ 7
Eating--people....... 1
Mountain--striking....19
House--pat............19
Black--and............12
Mutton--it............12
Comfort--herself.....12
Hand--self............19
Short--length........
Fruit--long...........13
Butterfly--quick......19
Smooth--edges........19
Command--first.......17
Chair--exact..........19
Sweet--nicest........ 2
Whistle--thistle......10
Woman--pins...........19
Cold--waving........19
Slow--swift...........
Wish--choice.........17
River--never.........10
White--black........
Beautiful--much......19
Window--such.........19
Rough--exact.........15
Citizen--just........
Foot--root...........10
Spider--diving.......19
Needle--Hercules.....19
Red--green..........  
Sleep--deep..........  
Anger--grief.........  
Carpet--cheap.........19
Girl--ink.............19
High--l..............10
Working--loafing.....
Sour--hour...........10
Earth--hurt...........10
Trouble--bubble......10
Soldier--yes.........12
Cabbage--garbage.....10
Hard--hitting.........17
Eagle--fitting.......19
Stomach--pitting.....19
Stem--condemned.....10
Lamp--stamp.........10
Dream--stained..........19
Yellow--purple.........
Bread--pimple..........19
Justice--suit..........17
Boy--ahoy.............12
Light--night..........  
Health--wealth.........
Bible--indeed.........12
Memory--remembering...
Sheep--cow............
Bath--sponge.......... 
Cottage--people....... 1
Swift--left...........10
Blue--shift...........19
Hungry--property......19
Priest--judge......... 2
Ocean--river.......... 
Head--sea.............13
Stove--Venus..........19
Long--hog.............19
Religion--pigeon......10
Whiskey--gin.......... 
Child--thing..........19
Bitter--better........10
Hammer--happy........9
Thirsty--whiskey......17
City--fitting..........10
Square--round.........
Butter--shut...........10
Doctor--exercise......19
Loud--accounts........10
Thief--endless........19
Lion--tiger...........
Joy--fast..............19
Bed--grass...........19
Heavy--heaving.........10
Tobacco--queen.........19
Baby--water...........19
Moon--room...........19
Scissors--pants......17
Quiet--razor............13
Green--steel...........18
Salt--sharp............
Street--fence..........19
King--bring...........10
Cheese--eggs..........19
Blossom--see..........19
Afraid--awaiting.......19

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

Table--doctor...........19
Dark--nigger............17
Music--violin...........
Sickness--whores......19
Man--Mulcane.........17
Deep--deaf...........19
Soft--hearing........18
Eating--pillow........13
Mountain--sight......19
House--pure...........19
Black--nigger........
Mutton--plenty........6
Comfort--middle......19
Hand--left............17
Short--one............12
Fruit--up.............12
Butterfly--bird......
Smooth--never.........6
Command--commodore...10
Chair--seat...........
Sweet--sugar.........
Whistle--highest......19
Woman--Constance.....17
Cold--temperature.....
Slow--walk............
Wish--wishbone........
River--love...........19
White--Dr. White......17
Beautiful--pretty.....1
Window--dove..........19
Rough--fine...........1
Citizen--United States
Foot--left............15
Spider--web.........
Needle--ether........19
Red--pot.............
Sleep--wake.........
Anger--mad..........10
Carpet--pretty......1
Girl--boy...........
High--Heidel........10
Working--never.....
Sour--sweet.........
Earth--bride.........19
Trouble--mischief...10
Soldier--war........
Cabbage--head........
Hard--never..........6
Eagle--fly..........10
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....... 1
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--l...........12
Butter--plenty......6
Doctor--millionaire..15
Loud--tell..........17
Thief--rich.........19
Lion--west..........19 
Joy--ever...........12
Bed--Constance.....15
Heavy--fine........... 9
Tobacco--back........10
Baby--millionaire.....15
Moon--always.........12
Scissors--large....... 9
Quiet--stay...........19
Green--flowers....... 
Salt--perfume.........18
Street--floor.........19
King--Haaken.........19
Cheese--kiss.........19
Blossom--flower.....
Afraid--never........

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

Table--oak............
Dark--brown.......... 
Music--falsetto.......17
Sickness--typhoid.....
Man--gender..........19
Deep--feet............19
Soft--feeling........
Eating--partaking.......19
Mountain--hunter.......19
House--dwelling........
Black--color.......... 
Mutton--sheep.........
Comfort--coziness......2
Hand--anatomy.........
Short--stature........
Fruit--apples.......... 
Butterfly--insect.....
Smooth--plain.......... 
Command--order.........
Chair--furniture....... 
Sweet--sugar.......... 
Whistle--steam.........
Woman--sex............
Cold--degree...........
Slow--speedless....... 
Wish--expression....... 
River--Amazon.........
White--pulp............17
Beautiful--description..
Window--opaque.........19
Rough--uncouth.........
Citizen--qualification..19
Foot--anatomy.........
Spider--bug............
Needle--steel..........
Red--color
Sleep--slumber
Anger--aroused
Carpet--texture 2
Girl--female
High--up
Working--doing
Sour--lemon
Earth--dirt
Trouble--distress
Soldier--uniform
Cabbage--crop 19
Hard--metal
Eagle--bird
Stomach--anatomy
Stem--pipe
Lamp--glass
Dream--atmosphere 19
Yellow--color
Bread--flour
Justice--equality
Boy--male
Light--sun
Health--color
Bible--nonsense 19
Memory--retentiveness 2
Sheep--quadruped
Bath--water
Cottage--stories........19
Swift--speed............
Blue--navy..............
Hungry--appetite.......15
Priest--uniform........
Ocean--Atlantic.........
Head--stature...........15
Stove--iron.............
Long--inches............17
Religion--creed.........
Whiskey--hops...........
Child--neuter...........19
Bitter--horehound......17
Hammer--steel...........
Thirsty--degree.........15
City--population........
Square--sides...........
Butter--cream...........
Doctor--physician......
Loud--noise.............
Thief--characterization19
Lion--menagerie........
Joy--openness...........19
Bed--furniture.........
Heavy--weight..........17
Tobacco--plant.........
Baby--egg..............19
Moon--astronomy........
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.
Mutton--food
Comfort--rest
Hand--limb
Short--small
Fruit--nourishing
Butterfly--flower

Smooth--straight
Command--obey
Chair--furniture
Sweet--palate
Whistle--noise
Woman--marriage
Cold--indisposed
Slow--weary
Wish--work
River--tug
White--sheets
Beautiful--rare
Window--ventilation
Rough--uneven
Citizen--public
Foot--walk
Spider--web
Needle--sew
Red--marine
Sleep--repose
Anger--assault........ 17
Carpet--cloth.........
Girl--sister.........
High--above.......... 17
Working--labor....... 17
Sour--bitter.........
Earth--farm.......... 17
Trouble--fight....... 17
Soldier--duty....... 17
Cabbage--vegetable...
Hard--stone.......... 17
Eagle--large......... 1
Stomach--body........
Stem--leaf...........
Lamp--light.........
Dream--unconsciousness
Yellow--flag.........
Bread--hunger........
Justice--freedom..... 19
Boy--school.......... 19
Light--electricity....
Health--business..... 19
Bible--religion....... 19
Memory--brain.........
Sheep--pasture....... 19
Bath--clean.......... 19
Cottage--property..... 19
Swift--current....... 19
Blue--uniform..........17
Hungry--appetite......
Priest--church........
Ocean--commerce.......19
Head--thought.........1
Stove--iron...........
Long--distance.......
Religion--belief......
Whiskey--alcohol.....
Child--parent.........
Bitter--taste..........19
Hammer--trade........
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......
CASE No. 6190.--L.L. Test record not distinguishable from normal.

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

Table--chair
Dark--light
Music--note
Sickness--health
Man--woman 1
Deep--shallow
Soft--hard
Eating--breakfast
Mountain--rock
House--chimney
Black--white
Mutton--animal
Comfort--chair
Hand--foot
Short--long
Fruit--ripe
Butterfly--fields.....
Smooth--hard.........
Command--army........
Chair--straw.........19
Sweet--bitter.........
Whistle--engine....... 
Woman--man........... 1
Cold--hot...........
Slow--fast.............
Wish--desire.......... 
River--brook.......... 
White--black.......... 
Beautiful--girl....... 
Window--glass......... 
Rough--smooth......... 
Citizen--city.......... 
Foot--ankle.......... 
Spider--web.......... 
Needle--cotton........ 
Red--brick...........
Sleep--night.......... 
Anger--joy...........
Carpet--cloth.........
Girl--mouth...........17
High--low............
Working--idle.......... 
Sour--vinegar.......... 
Earth--round.........
Trouble--sickness....
Soldier--gun.........
Cabbage--garden.....
Hard--rock.......... 
Eagle--fly.......... 
Stomach--man........ 1
Stem--watch.........
Lamp--oil.......... 
Dream--sleep........
Yellow--sunflower... 
Bread--butter....... 
Justice--peace....... 
Boy--girl...........
Light--window....... 
Health--man.......... 1
Bible--God.......... 
Memory--mind.........
Sheep--pasture....... 
Bath--water......... 
Cottage--trees....... 
Swift--engine....... 
Blue--sky........... 
Hungry--bread....... 
Priest--church....... 
Ocean--ships.........
Head--mind.......... 
Stove--chimney....... 
Long--wind.........19
Religion--God
Whiskey--alcohol
Child--mother
Bitter--fruit
Hammer--nails
Thirsty--water
City--cars
Square--angles
Butter--cow
Doctor--sickness
Loud--noise
Thief--sinner
Lion--jungle
Joy--gladness
Bed--pillow
Heavy--iron
Tobacco--leaf
Baby--mother
Moon--stars
Scissors--thread
Quiet--room
Green--grass
Salt--ocean
Street--men
King--queen
Cheese--butter
Blossom--bud
Afraid--coward
CASE No. 1278.--B.B. Test record not distinguishable from normal.

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

Table--chair........
Dark--day............
Music--instrument.....
Sickness--health.....
Man--woman.......... 1
Deep--thoughts........ 1
Soft--apple........
Eating--food........
Mountain--rock....... 
House--building......
Black--dark.......... 
Mutton--meat........
Comfort--home........
Hand--from............12
Short--stout........
Fruit--eating........
Butterfly--bird....... 
Smooth--glossy....... 
Command--general.....
Chair--floor........
Sweet--taste........
Whistle--tune........
Woman--man.......... 1
Cold--chilly.........
Slow--fast..........  
Wish--something.....
River--water........
White--black........
Beautiful--pretty....
Window--pane.........
Rough--ugly.........
Citizen--papers......
Foot--shoe...........
Spider--bug.........
Needle--thread.......  
Red--white..........  
Sleep--slumber......
Anger--kindness.....
Carpet--mat.........
Girl--boy............
High--short.........
Working--idle....... 
Sour--sweet.........
Earth--land.......... 
Trouble--sorrow.....
Soldier--hero........
Cabbage--turnip.....
Hard--soft..........  
Eagle--owl.......... 
Stomach--head.......
Stem--pipe
Lamp--cover
Dream--sleep
Yellow--brown
Bread--biscuit
Justice--peaceful
Boy--girl
Light--dark
Health--well
Bible--book
Memory--lost
Sheep--animal
Bath--wash
Cottage--house
Swift--movements
Blue--red
Hungry--thirst
Priest--minister
Ocean--sea
Head--body
Stove--iron
Long--length
Religion--too
Whiskey--drink
Child--baby
Bitter--taste
Hammer--nails
Thirsty--drink
PARANOIC CONDITIONS.

The clinical group of psychoses included under the designation paranoid conditions is far from being homogeneous. We have here cases
that are more or less closely allied to the paranoid form of dementia praecox, other cases that are apparently dependent upon 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.........
Music--pleasant...... 1
Sickness--confinement.17
Man--twenty-one.......12
Deep--down............
Soft--smooth..........
Eating--nourishment...
Mountain--high........
House--living........
Black--dark..........  
Mutton--eating.......  
Comfort--pleasant..... 1
Hand--limb...........
Short--low...........
Fruit--eat...........
Butterfly--miller.....
Smooth--soft.........
Command--obey........
Chair--sitting........
Sweet--tasting........
Whistle--noise........
Woman--female.........
Cold--unpleasant...... 1
Slow--easy...........
Wish--want...........
River--water..........  
White--colorless......
Beautiful--handsome...
Window--glass.........
Rough--unpleasant...... 1
Citizen--vote..........  
Foot--limb............
Spider--insect.........
Needle--sewing.........
Red--color.........
Sleep--bed..........  
Anger--cross........
Carpet--floor......
Girl--young.........
High--up...........
Working--labor......
Sour--unpleasant..... 1
Earth--dirt.........
Trouble--worriment...
Soldier--fight......
Cabbage--vegetable....
Hard--tough.........
Eagle--bird.........
Stomach--anatomy.....

Stem--growth..........  
Lamp--burn..........  
Dream--restlessness...
Yellow--color.........
Bread--eat..........  
Justice--right........
Boy--young..........  
Light--see..........  
Health--well..........  
Bible--religion.......  
Memory--thoughtful....
Sheep--animal
Bath--wash
Cottage--house
Swift--fast
Blue--color
Hungry--appetite
Priest--Christian
Ocean--large
Head--trunk
Stove--fire
Long--distance
Religion--Christianity
Whiskey--drinkable
Child--young
Bitter--bad
Hammer--knock
Thirsty--dry
City--government
Square--block
Butter--eat
Doctor--cure
Loud--noisy
Thief--steal
Lion--animal
Joy--pleasant
Bed--laying
Heavy--weighty
Tobacco--smoking
Baby--new-born

Moon--planet

Scissors--cutting

Quiet--easy

Green--color

Salt--preservative

Street--lane

King--monarch

Cheese--eatable

Blossom--budding

Afraid--fear

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

Table--tree

Dark--bright

Music--song

Sickness--health

Man--woman

Deep--shallow

Soft--hard

Eating--digesting

Mountain--hill

House--horse

Black--red

Mutton--tallow

Comfort--wealth
Hand--arm
Short--long
Fruit--plate
Butterfly--net
Smooth--surface
Command--obey
Chair--table
Sweet--sour
Whistle--call
Woman--lady
Cold--lukewarm
Slow--not
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--tranquility.10
Soldier--boy.........
Cabbage--plant....... 
Hard--easy.......... 
Eagle--bird.......... 
Stomach--bowels....... 
Stem--head.......... 
Lamp--chimney......... 
Dream--myth.........17
Yellow--blue......... 
Bread--biscuit....... 
Justice--balance......17
Boy--girl............. 
Light--gray.........17
Health--wealth....... 
Bible--prayerbook.....
Memory--understanding.
Sheep--lamb.........
Bath--swim.......... 
Cottage--house....... 
Swift--slow.......... 
Blue--yellow......... 
Hungry--eat.......... 
Priest--bishop....... 
Ocean--river.........
Head--neck
Stove--covers
Long--short
Religion--optional
Whiskey--wine
Child--baby
Bitter--sweet
Hammer--gimlet
Thirsty--drink
City--town
Square--compass
Butter--butterfly
Doctor--lawyer
Loud--lord
Thief--beggar
Lion--lioness
Joy--sorrow
Bed--couch
Heavy--light
Tobacco--cigarette
Baby--child
Moon--stars
Scissors--knife
Quiet--quilt
Green--envy
Salt--sewing
Street--lane
King--queen
Cheese--cracker
Blossom--flower
Afraid--courageous

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

Table--eat
Dark--night
Music--sing
Sickness--sadness
Man--home
Deep--light
Soft--sleep
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

13
17
1
10

19
19
Sweet--apples........
Whistle--happiness.... 1
Woman--girl.......... 
Cold--warm.......... 
Slow--fast.......... 
Wish--like.......... 
River--water........
White--blue.........
Beautiful--red.......13
Window--light........
Rough--easy.......... 
Citizen--spring.....19
Foot--run...........
Spider--fly.......... 
Needle--Carrie......19
Red--pink........... 
Sleep--awake......... 
Anger--jolly.........19
Carpet--curtains.....
Girl--yellow.........19
High--green..........14
Working--bed.........19
Sour--dishes.........19
Earth--grapes.........13
Trouble--work........1
Soldier--sing.........15
Cabbage--potatoes....
Hard--sewing.........17
Eagle--daisy........19
Stomach--flowers.....18
Stem--vine............
Lamp--flatiron........19
Dream--sleep.........
Yellow--awake.........13
Bread--children......
Justice--dresses.....14
Boy--mother.......... 
Light--dark.......... 
Health--wealth....... 
Bible--commands......2
Memory--black.........13
Sheep--chickens......17
Bath--carpet.........19
Cottage--worsted.....14
Swift--silk...........18
Blue--cotton.........18
Hungry--chair.........19
Priest--church....... 
Ocean--spring.........15
Head--canary.........19
Stove--board.........
Long--dishes.........18
Religion--piano.......19
Whiskey--home.........15
Child--baby.......... 
Bitter--shoes.........19
Hammer--tacks........
Thirsty--longing......
City--Flushing.......17
Square--store.........10
Butter--butcher.......10
Doctor--hat..........19
Loud--chair..........15
Thief--picture........19
Lion--house..........13
Joy--gladness........
Bed--sleep...........
Heavy--sick.......... 2
Tobacco--album.......19
Baby--basket.........17
Moon--stars.......... 
Scissors--knife......
Quiet--spoon.........18
Green--scar..........19
Salt--pepper.........
Street--sugar.........18
King--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--cleaness......
Cottage--home....... 
Swift--fear..........19
Blue--color.......... 
Hungry--appetite..... 
Priest--servant......
Ocean--God.......... 6
Head--servant....... 6
Stove--house........
Long--God.......... 6
Religion--servant.... 6
Whiskey--doctor.....15
Child--house......... 6
Bitter--taste........ 
Hammer--household....19
Thirsty--drink....... 
City--God.......... 6
Square--touch.......19 
Butter--taste....... 
Doctor--servant...... 6
CASE No. 6164.--L.E. Remarkably persistent tendency to give sound reactions; numerous sound neologisms; no reactions given in response to some of the stimulus words on the ground that she had "no word to match."

Table--witchhazel.....10
Dark--frog............19
Music--lessons....... 2
Sickness--badness..... 2
Man--wife..............
Deep--seef............ 4
Soft--shoft.......... 3
Eating--feeding....... 
Mountain--sounding.... 10
House--shmouse....... 3
Black--fake........... 19
Mutton--shutton...... 3
Comfort--somfort..... 3
Hand--land............ 10
Short--court.......... 10
Fruit--shrewd........ 10
Butterfly--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--shifizen..... 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--firsten.....3
City...............3
Square--birds.........19
Butter--shudder.....10
Doctor--shoctor.....3
Loud--souse.........10
Thief--sheaf..........10
Lion--Zion...........10
Joy--bloy...........3
Bed--wading.........19
Heavy--shleavy....... 3
Tobacco--confecker.... 4
Baby--savey.......... 3
Moon--shoon.......... 3
Scissors-------------
Quiet--shiet.......... 3
Green--sheel......... 4
Salt--shawlt......... 3
Street--freet........ 3
King--sing...........10
Cheese--seefs-------- 4
Blossom--pleasant.... 9
Afraid--shraid....... 3

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

Table--pleasure...... 9
Dark--air.............19
Music--walking........19
Sickness--gloves......19
Man--fields..........19
Deep--courtesy........19
Soft--spoons...........19
Eating--oranges.....
Mountain--ice.........17
House--paintings..... 2
Black--blue
Mutton--hemisphere...19
Comfort--flowers......19
Hand--sawdust.........19
Short--peanuts........19
Fruit--autoharp.......19
Butterfly--disease....19
Smooth--ice..........19
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....19
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--frivulous....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--atherey........4
Justice--anger.........19
Boy--quality..........15
Light--among..........12
Health--frivulous.....15
Bible--permit.........15
Memory--usual.........19
Sheep--astray........
Bath--conscientious...19
Cottage--texalous.....4
Swift--patience.......19
Blue--community......19
Hungry--confusion......15
Priest--second........19
Ocean--apology........19
Head--trinity.........19
Stove--compartment....19
Long--terminal........19
Religion--abundant....19
Whiskey--approvement.. 4
Child--anger..........15
Bitter--courageous....19
Hammer--correction....19
Thirsty--afterwards...12
City--cataract........19
Square--plenty.........19
Butter--accost.........19
Doctor--southern......19
Loud--triangular......19
Thief--cannery........19
Lion--practice.........19
Joy--summons...........19
Bed--avron.............4
Heavy--olenthegolis... 4
Tobacco--abundant.....15
Baby--parenthus...... 4
Moon--otherwise........12
Scissors--cartridge...19
Quiet--outside.........12
Green--abounty.........4
EPILEPSY.

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

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

We submit here copies of some test records.

CASE No. 5410.--W.T.K. Repetition of words previously given; nonspecific reactions.
Table--article....... 1
Dark--light.......... 
Music--tone.......... 
Sickness--ill........
Man--person......... 1
Deep--distant....... 2
Soft--condition..... 6
Eating--chew.........
Mountain--high....... 
House--abode.........
Black--color.........
Mutton--meat.........
Comfort--peace....... 
Hand--limb...........
Short--distance.....
Fruit--result........
Butterfly--animal....
Smooth--plain........
Command--order....... 
Chair--seat...........
Sweet--pleasant..... 1
Whistle--sound....... 
Woman--female....... 
Cold--chilly.......... 
Slow--pace...........
Wish--desire.........
River--body.........
White--clear
Beautiful--grand
Window--place
Rough--unsmooth
Citizen--member
Foot--member
Spider--animal
Needle--article
Bed--color
Sleep--rest
Anger--condition
Carpet--covering
Girl--female
High--distance
Working--occupation
Sour--condition
Earth--planet
Trouble--condition
Soldier--member
Cabbage--vegetable
Hard--condition
Eagle--animal
Stomach--member
Stem--branch
Lamp--article
Dream--thinking
Yellow--shade
Bread--article
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..........1
Head--member..........9
Stove--article........1
Long--distance........
Religion--profession..
Whiskey--liquid.......9
Child--person.........1
Bitter--condition..... 6
Hammer--article........1
Thirsty--condition..... 6
City--place.............3
Square--honest.........
Butter--article.........6
Doctor--profession.....
Loud--sound............
Thief--position......15
Lion--animal.........
Joy--pleasant....... 1
Bed--article......... 6
Heavy--weight........
Tobacco--plant....... 
Baby--person......... 1
Moon--planet.........
Scissors--article..... 1
Quiet--peaceful.....
Green--shade.........
Salt--article......... 1
Street--place........
King--ruler.......... 
Cheese--article...... 6
Blossom--plant....... 
Afraid--fear.........

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

Table--wood.......... 
Dark--chairs.........13
Music--wood.........14 
Sickness--dropsy.....17 
Man--body...........
Deep--well.........
Soft--lady............19
Eating--man........... 6
Mountain--hills......
House--barns.......... 2
Black--horse.......... 
Mutton--sheep........
Comfort--poison......19
Hand--man............. 1
Short--people......... 1
Fruit--trees.......... 
Butterfly--tree....... 
Smooth--people....... 6
Command--general.....
Chair--hands..........16
Sweet--fruit.......... 
Whistle--man.......... 1
Woman--people......... 1
Cold--ice............
Slow--people......... 6
Wish--dead............19
River--lakes.......... 
White--foam...........17
Beautiful--man........1
Window--glass........
Rough--people......... 6
Citizen--man.......... 1
Foot--people......... 6
Spider--barn..........15
Needle--clothes
Red--blood
Sleep--bed
Anger--angry
Carpet--stores
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
Loud--people
Thief--person
Lion--animal
Joy--person
Bed--man
Heavy--mountain
Case No. 01218.--E.M. Repetition of words previously given; non-specific reactions.

Table--tablecloth.....

Dark--dog............

Music--figure........17

Sickness--drink.......17

Man--people.......... 1

Deep--pull............19

Soft--light.......... 

Eating--think........ 1

Mountain--well.......13

House--plumber......17

Black--horse.........
Mutton--park.........19
Comfort--nice....... 1
Hand--use............ 1
Short--long.........
Fruit--figs.........
Butterfly--cloth.....19
Smooth--nice....... 1
Command--pleasant...6
Chair--wash..........19
Sweet--sour.........
Whistle--mug.........19
Woman--pear..........19
Cold--warm..........  
Slow--quickness.....
Wish--nice...........1
River--pleasant..... 1
White--use..........  6
Beautiful--comfort...19
Window--looks........2
Rough--pleasant.....6
Citizen--comfort....15
Foot--help...........
Spider--wake.........19
Needle--use.......... 1
Red--look...........15
Sleep--good.......... 1
Anger--no...........12
Carpet--make........19
Girl--happy............ 9
High--nice............ 6
Working--pleasant..... 1
Sour--bag.............19
Earth--ground.........
Trouble--good......... 6
Soldier--clothes......
Cabbage--eat.........
Hard--good............ 1
Eagle--pleasant....... 6
Stomach--hurt.........
Stem--use............. 1
Lamp--lighted.........
Dream--pleasant....... 1
Yellow--wake........15
Bread--making.........
Justice--help.........
Boy--pleasant......... 6
Light--big............19
Health--nice......... 6
Bible--use............ 1
Memory--no..........12
Sheep--pleasant...... 1
Bath--good............ 6
Cottage--useful......
Swift--quick.......... 1
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.......... 1
Hammer--stick....... 19
Thirsty--drink........ 1
City--handy.......... 19
Square--pleasant..... 6
Butter--useful....... 1
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............ 1
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.......... 1
Justice--always......
Boy--two...............12
Light--plenty.........
Health--plenty....... 6
Bible--Catholic.....17
Memory--good..........1
Sheep--wool.......... 1
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....... 1
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
| Table--eat           | 10 |
| Dark--lock          |    |
| Music--fiddle       |    |
| Sickness--doctors   |  2 |
| Man--woman          |  1 |
| Deep--water         |    |
| Soft--snow          |    |
| Eating--oats        | 17 |
| Mountain--spray     | 19 |
| House--building     |    |
| Black--red          | 15 |
| Mutton--meat        |  9 |
| Comfort--red        | 15 |
| Hand--people        |  9 |
| Short--world        | 19 |
| Fruit--age          | 18 |
| Butterfly--bird     |    |
| Smooth--eggs        | 18 |
| Command--cake       | 19 |
| Chair--world        | 15 |
| Sweet--cherries     |    |
| Whistle--peaches    | 18 |
| Woman--children     |    |
| Cold--summer        | 17 |
| Slow--brother       | 19 |
Wish--pear ..........19  
River--orange ........18  
White--black........  
Beautiful--red ........13  
Window--door.........  
Rough--table.........  
Citizen--couch........19  
Foot--arm.............  
Spider--fly..........  
Needle--scissors.....17  
Red--blue............  
Sleep--pink ..........13  
Anger--box ..........19  
Carpet--rug..........  
Girl--boy............  
High--play..........  
Working--cup.........19  
Sour--bread..........17  
Earth--picture........19  
Trouble--soap.........19  
Soldier--towel.......18  
Cabbage--turnip.....  
Hard--tree..........  
Eagle--clock.........19  
Stomach--eat.........  
Stem--soap..........15  
Lamp--oil..........  
Dream--glass.........13
Yellow--bottle......18
Bread--soap..........15
Justice--pencil......19
Boy--picture.........15
Light--darkness......
Health--washstand.....19
Bible--book.......... 
Memory--saucer......19
Sheep--chair.........19
Bath--bureau........14

Cottage--pan........19
Swift--towel.........15
Blue--wash...........2
Hungry--eat.......... 
Priest--church....... 
Ocean--beans.........19
Head--prunes.........18
Stove--cook.......... 
Long--fig............19
Religion--church..... 
Whiskey--tea.........17
Child--people.........1
Bitter--stomach......19
Hammer--tack......... 
Thirsty--peach........15
City--box.............15
Square--soap.........15
Butter--lard.........
Doctor--sick.........
Loud--head...........19
Thief--cup...........15
Lion--bottle.........15
Joy--pitcher.........19
Bed--sheet.......... 
Heavy--blanket.......13
Tobacco--mustard.....19
Baby--pepper.........18
Moon--heater.........19
Scissors--string.....
Quiet--lace...........19
Green--red.......... 
Salt--soda...........17
Street--soldier.....19
King--box...............15
Cheese--cake........
Blossom--shell.......19
Afraid--blotter......19

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

Table--stand........
Dark--light.........
Music--instrument.....
Sickness--health.....
Man--female..........  
Deep--detableness..... 4
Soft--hard............
Eating--starving......
Mountain--isthmus.....17
House--building......
Black--white..........  
Mutton--beef..........  
Comfort--patient......
Hand--leg.............  
Short--long............
Fruit--vegetable.....
Butterfly--spider.....
Smooth--coarse........
Command--thought...... 1
Chair--utensil.........19
Sweet--sour...........  
Whistle--trumpet.....
Woman--man............ 1
Cold--warm............
Slow--quick...........
Wish--command........
River--lake..........  
White--black..........  
Beautiful--pretty..... 1
Window--door.........
Rough--straight
Citizen--tramp
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--rightness... 2
Butter--syrup..........17
Doctor--queen.........19
Loud--low.............
Thief--burglar........
Lion--tiger.........  
Joy--enjoyable....... 2
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
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
Bible--holy
Memory--remember
Sheep--lamb
Bath--water
Cottage--house
Swift--fast
Blue--color
Hungry--famished
Priest--holy
Ocean--sea
Head--top
Stove--fire
Long--short
Religion--holy
Whiskey--drink
Child--infant
Bitter--sour
Hammer--knock
Thirsty--drink
City--town..........  
Square--round........
Butter--eat..........  
Doctor--physician.....  
Loud--knock..........  
Thief--steal..........  
Lion--tiger..........  
Joy--happiness....... 1  
Bed--sleep..........  
Heavy--weigh..........  
Tobacco--smoke.......  
Baby--child..........  
Moon--stars..........  
Scissors--cut.........  
Quiet--soft..........  
Green--color..........  
Salt--food..........  
Street--lane.........  
King--queen..........  
Cheese--eat..........  
Blossom--flower.......  
Afraid--fear..........  

CASE No. 6660.--F.F. Repetition of words previously given;
non-specific reactions; unclassified reactions some of which are
"circumstantial" (see page 25).
Table--bureau........19
Dark--boats.......... 2
Music--piano........
Sickness--doctor.....
Man--sober..........19
Deep--cellar........
Soft--easy...........
Eating--chewing.....
Mountain--climb.....
House--tenants...... 2
Black--color.........
Mutton--meat........
Comfort--easy........
Hand--use........... 1
Short--stump......... 2
Fruit--nice.......... 1
Butterfly--like...... 6
Smooth--clean........
Command--faithful....17
Chair--easy..........
Sweet--like.......... 6
Whistle--good....... 6
Woman--like.......... 6
Cold--medicine.......  
Slow--I...............12
Wish--like...........  
River--boats.........
White--sheet
Beautiful--flowers....
Window--red.........14
Rough--streets....... 2
Citizen--honest......
Foot--walking........
Spider--kill.........10
Needle--sew.......... 
Red--nice............ 6
Sleep--rest.......... 
Anger--cross........
Carpet--good......... 6
Girl--nice........... 1
High--good........... 1
Working--well.........19
Sour--bitter.........
Earth--property.......19
Trouble--fighting....
Soldier--good......... 1
Cabbage--eat.......... 
Hard--sorry.........19
Eagle--good......... 6
Stomach--good......... 1
Stem--fair..........19
Lamp--use.......... 1
Dream--now.........12
Yellow--color........
Bread--good......... 1
Justice--fine......... 1
Boy--good............ 1
Light--good.......... 1
Health--right......  19
Bible--home........
Memory--good....  1
Sheep--like.......  6
Bath--good.........  1
Cottage--fine.....  1
Swift--go.......... 
Blue--nice.........  6
Hungry--bad........  1
Priest--Father.....
Ocean--boats....... 
Head--brains....... 
Stove--heat....... 
Long--streets......
Religion--Catholic..
Whiskey--bad.......  1
Child--good........  1
Bitter--sorrow.....
Hammer--use.......  1
Thirsty--drink..... 
City--Brooklyn.....
Squares--park......  2
Butter--ice.......  19
Doctor--cure....... 
Loud--holler.......
Thief--no............  2
Lion--no............  6
Joy--hope.............
Bed--rest.............
Heavy--loud...........
Tobacco--good........  1
Baby--good............  1
Moon--light...........
Scissors--use..........  1
Quiet--good...........  1
Green--nice............  6
Salt--use.............  1
Street--nice..........  1
King--right...........  19
Cheese--nice..........  1
Blossom--grow.........
Afraid--no.............

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

Table--eat............
Dark--cloudy...........
Music--fond...........  19
Sickness--well........
Man--human.............
Deep--ocean...........
Soft--fine............ 1
Eating--yes.......... 6
Mountain--yes........ 5
House--yes.......... 5
Black--yes.......... 5
Mutton--yes......... 5
Comfort--yes........ 5
Hand--finger.........
Short--yes.......... 6
Fruit--yes.......... 5
Butterfly--yes...... 5
Smooth--even........
Command--obey........
Chair--settle........ 17
Sweet--bitter........
Whistle--can't........ 19
Woman--lady.........
Cold--ice............
Slow--fast............
Wish--give............
River--enjoyment..... 19
White--black.........
Beautiful--yes....... 6
Window--pane.........
Rough--smooth........
Citizen--yes......... 6
Foot--one............ 12
Spider--yes......... 6
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.........
CASE No. 6518.--C.Z. Perseveration shown by numerous instances of association to preceding reaction.
<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mutton</td>
<td>cow</td>
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<tr>
<td>Comfort</td>
<td>horse</td>
</tr>
<tr>
<td>Hand</td>
<td>lamb</td>
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<tr>
<td>Short</td>
<td>calf</td>
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<tr>
<td>Fruit</td>
<td>apples</td>
</tr>
<tr>
<td>Butterfly</td>
<td>oranges</td>
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<tr>
<td>Smooth</td>
<td>peaches</td>
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<td>Command</td>
<td>plums</td>
</tr>
<tr>
<td>Chair</td>
<td>bench</td>
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<tr>
<td>sweet</td>
<td>sugar</td>
</tr>
<tr>
<td>Whistle</td>
<td>drum</td>
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<tr>
<td>Woman</td>
<td>man</td>
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<td>Cold</td>
<td>hot</td>
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<tr>
<td>Slow</td>
<td>fast</td>
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<tr>
<td>Wish</td>
<td>who</td>
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<tr>
<td>River</td>
<td>water</td>
</tr>
<tr>
<td>White</td>
<td>blue</td>
</tr>
<tr>
<td>Beautiful</td>
<td>splendid</td>
</tr>
<tr>
<td>Window</td>
<td>sashes</td>
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<tr>
<td>Rough</td>
<td>ready</td>
</tr>
<tr>
<td>Citizen</td>
<td>Brooklyn</td>
</tr>
<tr>
<td>Foot</td>
<td>shoe</td>
</tr>
<tr>
<td>Spider</td>
<td>web</td>
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<td>Needle</td>
<td>pin</td>
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<tr>
<td>Red</td>
<td>blue</td>
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<td>Sleep</td>
<td>awake</td>
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<tr>
<td>Anger</td>
<td>bad</td>
</tr>
<tr>
<td>Carpet</td>
<td>sweeper</td>
</tr>
</tbody>
</table>
Girl--boy..............
High--low............
Working--playing.....
Sour--sweet.......... 
Earth--ground........
Trouble--wheelbarrow..19
Soldier--Mexican......17
Cabbage--potatoes....
Hard--beets..........18
Eagle--carrots.......18
Stomach--peas........18
Stem--peas.......... 5 
Lamp--burning........
Dream--happy......... 1
Yellow--blue.......... 
Bread--green.........12
Justice--freedom.....
Boy--girl.............
Light--burning........
Health--strength.....
Bible--prayerbook.....
Memory--thoughts...... 1
Sheep--lamb.......... 
Bath--water.......... 
Cottage--house....... 
Swift--whist.........10
Blue--red.............
Hungry--eating.......
Priest--Father
Ocean--mother
Head--brother
Stove--sister
Long--freedom
Religion--smart
Whiskey--wine
Child--lamb
Bitter--goat
Hammer--nails
Thirsty--dry
City--talking
Square--inches
Butter--cheese
Doctor--bread
Loud--oranges
Thief--almonds
Lion--apples
Joy--grapes
Bed--peaches
Heavy--cranberries
Tobacco--grapes
Baby--watermelon
Moon--muskmelons
Scissors--citrons
Quiet--squashes
Green--pumpkins
Salt--cucumbers
Street--tomatoes......18
Kings--pears.........18
Cheese--apples.......18
Blossom--cherries.....
Afraid--gooseberries..18

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

Table--San Francisco...19
Dark--comprehensible...19
Music--sinking........
Sickness--Brooklyn.....19
Man--woman.......... 1
Deep--amazing........19
Soft--pleasant........9
Eating--digesting.....
Mountain--gulf........17
House--peninsula......18
Black--Constantinople..18
Mutton--Bermuda.......18
Comfort--Los Angeles...18
Hand--Cuba............18
Short--cities.........18
Fruit--Iowa...........18
Butterfly--England.....18
Smooth--Russia........18
Command--Turkey........18
Chair--Manila..........18
Sweet--Porto Rico.....18
Whistle--Washington....18
Woman--Cincinnati......18
Cold--Pittsburg........18
Slow--Philadelphia.....
Wish--Milwaukee.......18
River--St. Louis........18
White--Japan..........18
Beautiful--China........18
Window--Berlin.........18
Rough--Glasgow.........18
Citizen--London.........18
Foot--Dublin...........18
Spider--Sacramento.....18
Needle--Texas..........18
Red--North Carolina....18
Sleep--Florida..........18
Anger--Seattle.........18
Carpet--Nevada.........18
Girl--Iowa..............15
High--Virginia.........18
Working--Louisiana.....18
Sour--Hawaii...........18
Earth--Connecticut.....18
Trouble--Rhode Island..18
Soldier--Vermont......18
Cabbage--Massachusetts.18
Hard--Hudson........18
Eagle--East River......18
Stomach--Staten Island.18
Stem--Kings Park.......18
Lamp--Fort Lee.........18
Dream--Long Island.....18
Yellow--Greenport......18
Bread--Southold........18
Justice--Northport.....18
Boy--New Jersey........18
Light--Rome.............18
Health--Italy..........18
Bible--Episcopal.......17
Memory--Methodist......18
Sheep--Congregational..18
Bath--Baptist..........18
Cottage--minister.....18
Swift--physician........18
Blue--horse............18
Hungry--cow............18
Priest--Catholics.......18
Ocean--lake............
Head--bay.................13
Stove--sound...........18
Long--Island............
Religion--Boston.......18
Whiskey--Harvard........18
Child--Yale.............18
Bitter--Columbia.......18
Hammer--library........18
Thirsty--Carnegie.......18
City--Rockefeller.......18
Square--Harriman.......18
Butter--Leggitt.........18
Doctor--Lincoln.........18
Loud--Roosevelt.........18
Thief--Taft.............18
Lion--Gaynor...............18
Joy--Slocum...............18
Bed--Grant...............18
Heavy--McClellan........18
Tobacco--Spain..........19
Baby--New London........18
Moon--Newburgh...........18
Scissors--Troy............18
Quiet--Schenectady......18
Green--Lake George......18
Salt--Vienna.............18
Street--Alsace Lorraine.18
King--Garfield............17
Cheese--McKinley........18
Blossom--Bryan..........18
Afraid--Blaine.........18
MANIC-DEPRESSIVE INSANITY.

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

In some cases the only abnormality that is found is that of an undue tendency to respond by non-specific reactions, most of them being common and there being no excessive number of individual reactions. It would seem legitimate to assume that this tendency is here to be regarded as a manifestation of the phenomenon which is clinically described as _dearth of ideas_. It is significant that this tendency is observed not only in depressive phases of the psychosis, but also in manic phases and even in the normal intervals of recurrent cases or after apparent recovery in acute cases; this will be seen from some of the test records which are here reproduced.
Occasionally cases are met with which give a large number of unclassified reactions, seemingly incoherent. There can be no doubt that at least some of these cases are clinically perfectly typical ones of manic-depressive insanity, yet the test records strongly resemble, in some respects, those of dementia praecox.

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

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

Table--eat...........
Dark--night...........
Music--play.......... 
Sickness--death....... 
Man--health.........13
Deep--depth.......... 
Soft--hard.......... 
Eating--chewing....... 
Mountain--high.......
House--living
Black--color
Mutton--sheep
Comfort--kind
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
Foot--body
Spider--animal
Needle--sew
Red--color
Sleep--rest
Anger--badness
Carpet--floor
Girl--young
High--low
Working--busy
Sour--sweet
Earth--live
Trouble--grief
Soldier--army
Cabbage--garden
Hard--stone
Eagle--bird
Stomach--body
Stem--plant
Lamp--light
Dream--sleep
Yellow--color
Bread--eat
Justice--kind
Boy--young
Light--day
Health--strength
Bible--Christ
Memory--think
Sheep--mutton
Bath--clean
Cottage--live
Swift--run
Blue=color
Hungry=food
Priest=clergy
Ocean=water
Head=body
Stove=fire
Long=tall
Religion=teaching
Whiskey=drink
Child=young
Bitter=sweet
Hammer=nail
Thirsty=drink
City=town
Square=four
Butter=eat
Doctor=medicine
Loud=noise
Thief=steal
Lion=beast
Joy=kind
Bed=sleep
Heavy=weight
Tobacco=smoke
Baby=mother
Moon=light
Scissors=cut
Quiet=kind
CASE No. 6120.--M.L. Maniacal attack. Fifteen individual reactions, of which 11 are classed as normal in accordance with the appendix to the frequency tables.

Table--chair
Dark--light
Music--chorus 17
Sickness--health
Man--woman 1
Deep--around
Soft--light
Eating--food
Mountain--valley
House--flat 17
Black--white
Mutton--beef
Comfort--disease
Hand--legs
Short--tall
Fruit--grapes
Butterfly--birds
Smooth--rough

Command--president......17
Chair--assemblyman......18
Sweet--bitter
Whistle--birds
Woman--man.............. 1
Cold--warm
Slow--fast
Wish--well
River--mountain
White--red
Beautiful--heaven
Window--door
Rough--smooth
Citizen--naturalization.
Foot--hand
Spider--bug
Needle--doctor...........19
Red--white
Sleep--well
Anger--passion
Carpet--cloth
Girl--boy
High--low
Working--pleasure....... 1
Sour--sweet............
Earth--heaven.......... 
Trouble--anger.......... 
Soldier--mine..........12
Cabbage--steak.........17

Hard--soft.............
Eagle--parrot.......... 
Stomach--pelvis........17
Stem--flowers.......... 
Lamp--light............
Dream--empty..........17
Yellow--black.......... 
Bread--brown.......... 
Justice--done.......... 
Boy--baby.............
Light--heaven.......... 
Health--wealth.......... 
Bible--love...........
Memory--remembrance.....
Sheep--goat.......... 
Bath--water.......... 
Cottage--house......... 
Swift--slow.......... 
Blue--green.......... 
Hungry--l.............
Priest--minister
Ocean--sea
Head--neck
Stove--electricity
Long--broad
Religion--Presbyterian
Whiskey--medicinal
Child--boy
Bitter--sweet
Hammer--saw
Thirsty--water
City--Middletown
Square--Madison
Butter--bread
Doctor--love
Loud--soft
Thief--burglar
Lion--animal
Joy--ecstasy
Bed--couch
Heavy--lead
Tobacco--smoke
Baby--boy
Moon--stars
Scissors--cotton
Quiet--noisy
Green--yellow
Salt--pepper
CASE No. 6367.--J.N. Depressive attack. Only two individual reactions, both classed as normal; undue tendency to give non-specific reactions.
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
Ocean--water
Head--arm
Stove--warm
Long--short
Religion--good
Whiskey--none........
Child--good......... 1
Bitter--sour........
Hammer--noise........
Thirsty--water........
City--country.......... 1
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....... 1
Quiet--rest........
Green--red........
Salt--water........
Street--city........
King--man............ 1
Cheese--butter........
Blossom--flower....... 1
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
River--water
White--clearness
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
Eagle--flying
Stomach--eating
Stem--vine
Lamp--lighting
Dream--pleasure
Yellow--color
Bread--eating
Justice--suing
Boy--children
Light--seeing
Health--pleasure
Bible--thinking
Memory--recollections
Sheep--wool
Bath--pleasure
Cottage--living
Swift--quickness
Blue--sky

Hungry--pleasure
Priest--holiness
Ocean--sailing
Head--thinking
Stove--warmth
Long--length
Religion--holiness
Whiskey--badness
Child--pleasure....... 1
Bitter--sourness......
Hammer--pounding......
Thirsty--drinking.....
City--town............
Square--measure....... 2
Butter--greasy........
Doctor--medicine......
Loud--hearing.........
Thief--stealing......
Lion--fierceness......
Joy--pleasure.......... 1
Bed--sleeping........
Heavy--solid.......... 2
Tobacco--pleasure..... 1
Baby--loveliness.....
Moon--bright.......... 2
Scissors--sharpness....
Quiet--pleasure........
Green--color.......... 1
Salt--taste............
Street--walking....... 2
King--majestic.........
Cheese--eating....... 2
Blossom--handsome.....
Afraid--fear...........
CASE No. 6279.--A.F. Maniacal attack; at time of test patient had improved, though not recovered. Non-specific reactions; particles.

(Patient does not speak English with perfect fluency.)

Table--board........
Dark--night.........
Music--piano........
Sickness--appendicitis
Man--husband.........
Deep--hole...........
Soft--hard...........
Eating--vegetable..
Mountain--country..
House--comfort....... 
Black--cotton........17
Mutton--lamb.........
Comfort--rest........
Hand--arm...........
Short--Journey........
Fruit--apples.........
Butterfly--love.......13
Smooth--nice.........1
Command--order....... 
Chair--down...........12
Sweet--sugar......... 
Whistle--blow.........
Woman--good..........1
Cold--ice
Slow--lazy
Wish--home
River--boat
White--milk
Beautiful--flowers
Window--corner
Rough--man
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
Eagle--paper
Stomach--well
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..........1
Head--black...........
Stove--shine..........19
Long--square..........1
Religion--no...........
Whiskey--champagne....17
Child--my.............2
Bitter--pepper........
Hammer--knock........
Thirsty--no...........12
City--New York........
Square--table........
Butter--good......... 1
Doctor--S............17
Loud--talk...........
Thief--night.........
Lion--yes............12
Joy--good............ 1
Bed--comfort.........
Heavy--Iron.......... 
Tobacco--strong......
Baby--love........... 
Moon--shine......... 
Scissors--cut........
Quiet--well.......... 
Green--bow...........17
Salt--hitter.......... 
Street--Hinsdale.....17
King--Franz Joseph...17
Cheese--Swiss........
Blossom--nice........ 1
Afraid--no...........

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

Table--using......... 1
Dark--unbright........ 4
Music--songs.......... 
Sickness--catching....17
Man--masculine....... 
Deep--high............
Soft--chew............19 
Eating--sometimes....12 
Mountain--highlands...
House--live........... 
Black--color.......... 
Mutton--meat.......... 
Comfort--easy.......... 
Hand--body.............
Short--unlongly....... 4
Fruit--plants......... 
Butterfly--insects.... 
Smooth--feeling....... 
Command--do...........
Chair--use...............1 
Sweet--taste.......... 
Whistle--act.......... 
Woman--female......... 
Cold--acting.......... 2 
Slow--gradually.......17
Wish--desire.......... 
River--water.......... 
White--color.......... 
Beautiful--niceness... 2
Window--built.........19
Rough--treatment......17
Citizen--country......
Foot--body............
Spider--insect........
Needle--article....... 1
Red--color............
Sleep--tiredness...... 4
Anger--scolding....... 
Carpet--article....... 1
Girl--female..........
High--low............... 
Working--do...........
Sour--tasting.........
Earth--surface........
Trouble--worriment....
Soldier--man.......... 1
Cabbage--vegetable....
Hard--difficult....... 
Eagle--bird...........
Stomach--body.........
Stem--article.......... 6
Lamp--article.......... 1
Dream--untruly........ 4
Yellow--color.........
Bread--food............
Justice--unfairly..... 2
Boy--masculine........
Light--easy
Health--sickness
Bible--commandments
Memory--remember
Sheep--animal
Bath--cleanliness
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--unlighty..... 4
Tobacco--using....... 1
Baby--borning....... 4
Moon--sending.......19
Scissors--using..... 1
Quiet--acting....... 2
Green--color.........
Salt--food.............
Street--walking.....
King--person....... 1
Cheese--food........
Blossom--plant.....
Afraid--frightened..

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

Table--mahogany.....
Dark--green.......... 
Music--masonic.......10
Sickness--seasickness.10
Man--maternity.......10
Deep--well
Soft--silk
Eating--cleanliness
Mountain--Gibraltar
House--bungalow
Black--light
Mutton--lamb
Comfort--linen
Hand--left
Short--shorthand
Fruit--pears
Butterfly--canary
Smooth--linen
Command--pilot
Chair--round
Sweet--sugar
Whistle--mother
Woman--twenty-one
Cold--ice
Slow--music
Wish--girl
River--Hudson
White--plaster
Beautiful--nature
Window--St. Patrick's
Rough--blankets
Citizen--twenty-one
Foot--six
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
Swift--ball
Blue--balloon
Hungry--yes
Priest--doctor
Ocean--Niagara
Head--rest
Stove--stationary
Long--poems
Religion--Catholic
Whiskey--Hunter
Child--Jesus
Bitter--gall
Hammer--steel
Thirsty--water
City--New York
Square--Union
Butter--sweet
Doctor--S
Loud--discreet
Thief--night
Lion--Bostock
Joy--Joy Line
Bed--Ostermoor
Heavy--iron
Tobacco--Durham
Case No. 6511.--U.B. Maniacal attack. Persistent use of particles _oh, me, I, none_, etc.

Table--none.......... 6
Dark--red............
Music--stock.........19
Sickness--rose.......19
Man--Frank...........17
Deep--blue............
Soft--pillow.......... 
Eating--no...........12
Mountain--oyster.....11
House--mercy.........19
Black--mother.........19
Mutton--me.......... 6
Comfort--home........
Hand--mother.........15
Short--me........... 6
Fruit--me............ 5
Butterfly--it........12
Smooth--oh...........12
Command--none........6
Chair--none...........5
Sweet--for...........12
Whistle--bird........
Woman--I............. 6
Cold--I.............. 5
Slow--me.............
Wish--none...........2
River--are...........12
White--wife...........10
Beautiful--Alma......17
Window--Stephen......19
Rough--Rudolphia.....10
Citizen--father......17
Foot--Anthon.........19
Spider--reverend.....19
Needle--pine.........17

Red--brother.........19
Sleep--Adam.........19
Anger--I............. 6
Carpet--home...........
Girl--Agatha.........17
High--niece..........13
Working--I.......... 6
Sour--I............. 5
Earth--I............ 5
Trouble--I........... 5
Soldier--father......15
Cabbage--hail........19
Hard--me............12
Eagle--I............ 6
Stomach--I......... 5
Stem--life..........  
Lamp--Lambert........10
Dream--I............ 6
Yellow--I........... 5
Bread--I............ 5
Justice--I........... 5
Boy--just.......... 13
Light--picture......19
Health--cook.........19
Bible--beads.........17
Memory--Dick........19
Sheep--to.......... 12
Bath--none.........  
Cottage--home.......  
Swift--lazy.........  
Blue--Nell......... 19
Hungry--I..............
Priest--I............... 5
Ocean--I............... 5
Head--home............. 6
Stove--home............
Long--short............
Religion--none........
Whiskey--none.........
Child--Sylvester...... 17
Bitter--I............... 6
Hammer--my............. 12
Thirsty--no............... 6
City--no................. 5
Square--Ben........... 19
Butter--I............... 6
Doctor--I............... 5
Loud--bell.............
Thief--iron........... 19
Lion--I.................. 6
Joy--I................... 5
Bed--I................... 5
Heavy--I............... 5
Tobacco--I............... 5
Baby--I.................... 5
Moon--will........... 12
Scissors--beads....... 15
Quiet--nerves......... 19
Green--I.................. 6
Salt--I............... 5
Street--Peter.........17
King--I............... 6
Cheese--I............. 5
Blossom--I............ 5
Afraid--no............

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

Table--Chicago........19
Dark--Montreal........18
Music--Mississippi....18
Sickness--flowers.....19
Man--ocean............19
Deep--medicines......19
Soft--accidental......19
Eating--vaccination...19
Mountain--evergreens..17
House--caves..........19
Black--station........19
Mutton--operations....19
Comfort--money........
Hand--bandages........10
Short--soldiers.......19
Fruit--dictionary.....19
Butterfly—storehouse.19
Smooth—vegetables....18
Command—Bible........
Chair—histories......14
Sweet—farewells......19
Whistle—ammunition...19
Woman—foreign........19
Cold—armory..........19
Slow—St. Petersburg..19
Wish—wealth.........
River—revenue.......10
White—purity........
Beautiful—colonial...19
Window—shutters......
Rough—planes.........2
Citizen—naturalization
Foot—carriage........19
Spider—remedies......19
Needle—canoe.........19
Red—refreshments.....10
Sleep—restfulness....2
Anger—usefulness.....9
Carpet—coach.........19
Girl—finery..........19
High—fortifications..19
Working—materials....19
Sour—pickles.........
Earth—gravitation....2
Trouble--graphophone..19
Soldier--guns........
Cabbage--children.....19
Hard--inheritance.....19
Eagle--feathers........
Stomach--envelope.....19
Stem--roots............
Lamp--oil.............
Dream--fairies........17
Yellow--lemons..........2
Bread--jams...........17
Justice--repentance...17
Boy--clothes...........
Light--lanterns........17
Health--joys..........2
Bible--heaven........
Memory--head..........
Sheep--pastures........
Bath--cleanliness.....
Cottage--home..........2
Swift--rapids..........2
Blue--truth...........
Hungry--appetite......
Priest--saintliness...17
Ocean--ships..........2
Head--intelligence....
Stove--woods..........2
Long--trains..........2
Religion--godliness... 2
Whiskey--drunkenness..
Child--joyfulness..... 2
Bitter--olives........
Hammer--nuts.......... 2
Thirsty--water........
City--shopping........
Square--monuments..... 2
Butter--crackers......17
Doctor--medicines.....
Loud--music.......... 2
Thief--detectives..... 2
Lion--cages.......... 2
Joy--home............. 17
Bed--restfulness...... 2
Heavy--expressage.....17
Tobacco--cigars....... 2
Baby--carriage....... 2
Moon--light.......... 2
Scissors--goods....... 2
Quiet--peacefulness...
Green--vegetables.....
Salt--water.......... 2
Street--stones........
King--crown.......... 2
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..........18
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.......19
Butterfly--elephant...19
Smooth--glass.......19
Command--general.....
Chair--kitchen.......17
Sweet--cake.........17
Whistle--bird........
Woman--door..........19
Cold--ice.............
Slow--cat............19
Wish--bed............19
River--trout.........17
White--paint.........
Beautiful--monkey....19
Window--bars.........
Rough--rowdy.........
Citizen--policeman..
Foot--fine...........9
Spider--insect....... 
Needle--sewing....... 
Red--man.............9 
Sleep--pond.........19
Anger--hatred........
Carpet--tacks....... 
Girl--floor..........13
High--mountain....... 
Working--dog.........19
Sour--milk...........
Earth--mud...........
Trouble--radiator....19
Soldier--cannon.....
Cabbage--vegetable..
Hard--wood...........
Eagle--quick........19
Stomach--flesh........
Stem--pipe............
Lamp--burn............
Dream--thinking....... 1
Yellow--mice..........19
Bread--baker.......... 
Justice--equality.....
Boy--young............
Light--green..........17
Health--art...........19
Bible--preacher....... 
Memory--return........19
Sheep--fold............
Bath--water............
Cottage--house........
Swift--fleeting...... 2
Blue--dark.............
Hungry--thirst........
Priest--elephant......15
Ocean--briny..........19
Head--hard.............
Stove--black..........
Long--grass...........
Religion--thinking.... 1
Whiskey--Kentucky.....
Child--carriage....... 
Bitter--pickles....... 
Hammer--nails.........
Thirsty--wanting.......
City--New York........
Square--base..........17
Butter--cow.......... 
Doctor--carriage.....
Loud--hall..........19
Thief--prison........
Lion--cage.......... 
Joy--automobile.....
Bed--iron.......... 
Heavy--lead.......... 
Tobacco--weed....... 
Baby--rocker........
Moon--sky.......... 
Scissors--laundry....19
Quiet--peaceful...... 
Green--engine.......19
Salt--grocer.........19
Street--Lincoln......17
King--Spain.......... 
Cheese--baker.......19
Blossom--flower.....
Afraid--going....... 2

INVOLUTIONAL MELANCHOLIA; ALCOHOLIC DEMENTIA; SENILE DEMENTIA.

There are so few cases of these psychoses in our series that we can
say but little concerning their associational disorders.
In Table V. we show all the types of reactions given by each subject.

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


**TABLE V.**

<p>| +-----------------------+-----------------+-----------+ |
| | Involutional | Alcoholic | Senile |
| | Melancholia | Dementia | Dementia |
| +--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--|
| | 6| 4| 5| 6| 6| 4| 5| 6| 5| 6| 1| 6| 5| 6| 6| 5| 6| 5|
| Case No.--| 2| 8| 7| 4| 3| 0| 8| 6| 2| 3| 9| 4| 0| 4| 4| 8| 5| 7|
| TYPES OF REACTION | 0| 1| 1| 8| 6| 7| 1| 3| 9| 6| 6| 0| 1| 7| 3| 3| 8|
| | 7| 8| 9| 0| 8| 7| 2| 5| 8| 9| 7| 9| 9| 8| 1| 7| 3| 8|</p>
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Total individual reactions 0 4 5 6 7 8 9 13 6 8 10 12 14 39 12 15 18 20
CASE No. 4818.--S.M. Normal record.

Table--wood
Dark--black
Music--noise
Sickness--illness
Man--being
Deep--depth
Soft--mushy
Eating--devouring
Mountain--hill
House--residence
Black--color
Mutton--meat
Comfort--luxury
Hand--body
Short--abrupt
Fruit--oranges
Butterfly--insect
Smooth--even
Command--order
Chair--article
Sweet--taste
Whistle--noise
Woman--sex
Cold--temperature
Slow--dull
Wish--desire
River--water
White--color
Beautiful--sky
Window--glass
Rough--uneven
Citizen--representative
Foot--end
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............... 

CASE No. 6207.--T.S. No individual reactions; 13 non-specific reactions.
Man--person........... 1
Deep--water...........
Soft--pliable........
Eating--cake..........
Mountain--high........
House--bricks........
Black--color.........
Mutton--meat.........
Comfort--easy........
Hand--limb............
Short--small.......... 1
Fruit--vegetable.....
Butterfly--insect.....
Smooth--level........
Command--control.....
Chair--sit............
Sweet--nice.......... 1
Whistle--noise........
Woman--person......... 1
Cold--atmosphere.....
Slow--easy............
Wish--something......
River--stream.........
White--color.......... 
Beautiful--nice....... 1
Window--glass.........
Rough--unpleasant..... 1
Citizen--person....... 1
Foot--limb
Spider--insect
Needle--instrument
Red--color
Sleep--bed
Anger--irritable
Carpet--rug
Girl--person
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
Bible--Scripture
Memory--thought...... 1
Sheep--animal........
Bath--water.......... 1
Cottage--house....... 1
Swift--quick.......... 1
Blue--color.......... 1
Hungry--want......... 1
Priest--preach......
Ocean--water.........
Head--person......... 1
Stove--heat.......... 1
Long--length.......... 1
Religion--belief...... 1
Whiskey--drink....... 1
Child--person......... 1
Bitter--sour.......... 1
Hammer--tool.......... 1
Thirsty--dry.......... 1
City--place.......... 1
Square--shape......... 1
Butter--eat.......... 1
Doctor--physician.....
Loud--hear.......... 1
Thief--steal.......... 1
Lion--animal.........
Joy--glad............
Bed--sleep.......... 1
Heavy--weight.........
CASE No. 5719.--A.W.S. 5 individual reactions; 12 non-specific reactions.
Mutton--lamb
Comfort--warm
Hand--touch
Short--small
1
Fruit--taste
Butterfly--beauty
1
Smooth--level
Command--obey
Chair--rest
Sweet--good
Whistle--noise
Woman--female
Cold--chilled
2
Slow--move
Wish--think
1
River--water
White--color
Beautiful--nice
1
Window--glass
Rough--push
Citizen--man
1
Foot--body
Spider--insect
Needle--pointed
Red--blood
Sleep--rest
Anger--riled
Carpet--covering
Girl--child
High--air
Working--ambitious
Sour--taste
Earth--ground
Trouble--thought
Soldier--command
Cabbage--vegetable
Hard--blow
Eagle--bird
Stomach--body
Stem--pipe
Lamp--light
Dream--thought
Yellow--purple
Bread--food
Justice--law
Boy--male
Light--lamp
Health--soul
Bible--Scriptures
Memory--thought
Sheep--lamb
Bath--cleanness
Cottage--house
Swift--quick
Blue--color
Hungry--appetite
Priest--scholar....... 2
Ocean--water.......... 
Head--brains.......... 
Stove--heat.......... 
Long--measurement..... 2
Religion--good....... 1
Whiskey--alcohol......
Child--baby.......... 
Bitter--taste........
Hammer--knock....... 
Thirsty--water....... 
City--New York....... 
Square--box.......... 
Butter--milk......... 
Doctor--help......... 
Loud--noise.......... 
Thief--burglar....... 
Lion--animal.......... 
Joy--well............19
Bed--rest............
Heavy--load.......... 
Tobacco--nicotine.....
Baby--joy............
Moon--light.......... 
Scissors--cutting.....
Quiet--rest.......... 
Green--color.......... 
Salt--sand........... 19
CASE No. 5635. J.D. 13 individual reactions, of which 6 are classed as normal, 1 particle, 6 unclassified, mostly obviously normal.
Command--oblige......17
Chair--seat.........
Sweet--flowers....... 
Whistle--fire........
Woman--home.........
Cold--winter.......... 
Slow--easy...........
Wish--home.......... 
River--dock.........17 
Whiter--day.......... 
Beautiful--handsome...
Window--glass........
Rough--wagon.........19 
Citizen--voter....... 
Foot--walking........
Spider--web.......... 
Needle--sticking.....19 
Red--danger.......... 
Sleep--rest.........
Anger--right.........19 
Carpet--house....... 
Girl--out............12 
High--air............
Working--labor....... 
Sour--bitter......... 
Earth--ground........ 
Trouble--worry........
Soldier--man.........1
Cabbage--farmer....... 2
Hard--bath............19
Eagle--birds.........
Stomach--body........
Stem--pipe............
Lamp--burn............
Dream--thinking...... 1
Yellow--color.........
Bread--eating.........
Justice--peace........
Boy--soldier........17
Light--day............
Health--happy........ 1
Bible--books..........  
Memory--good......... 1
Sheep--lamb..........  
Bath--washing.........
Cottage--house.......  
Swift--quick..........  
Blue--color..........  
Hungry--eating........
Priest--church........
Ocean--bathing.......  
Head--mind............
Stove--fire..........  
Long--hours..........  
Religion--church.....  
Whiskey--drinking.....
Child--home
Bitter--sour
Hammer--working
Thirsty--dry
City--New York
Square--block
Butter--cow
Doctor--hospital
Loud--speaking
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
Blossom--flower
Afraid--fright
Our cases of _alcoholic_ dementia are clinically without evidences of disturbance of flow of thought. The dementia consists mainly in impairment or loss of the power of retention, with resulting amnesia for recent occurrences, and temporal disorientation. The records are either normal or show but slight departures from normal.

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

Table--eat.........
Dark--night........
Music--enjoyment......
Sickness--sadness.....
Man--work........... 1
Deep--hole.........
Soft--feathers....... 
Eating--appetite.....
Mountain--hill....... 
House--live.......... 
Black--dark.......... 
Mutton--eat.......... 
Comfort--pleasant..... 1 
Hand--work........... 1 
Short--story......... 
Fruit--eat.......... 
Butterfly--annoyance.. 6 
Smooth--iron.........
Command--officer......
Chair--sit............. 1
Sweet--nice.......... 1
Whistle--pleasure..... 1
Woman--pleasure...... 1
Cold--annoyance....... 6
Slow--car............... 1
Wish--like............... 1
River--water.......... 1
White--sack.......... 17
Beautiful--house...... 17
Window--look...........
Rough--unpleasant...... 1
Citizen--man.......... 1
Foot--walk...........
Spider--annoyance....
Needle--sticking...... 19
Red--color.......... 1
Sleep--happy......... 1
Anger--annoyance.....
Carpet--walk.........
Girl--school.........
High--skies.......... 1
Working--labor....... 1
Sour--lemon.......... 1
Earth--walk.........
Trouble--annoyance....
Soldier--army........
Cabbage--eat.........
Hard--stone
Eagle--fly
Stomach--victuals....17
Stem--pipe
Lamp--burn
Dream--sleep
Yellow--orange
Bread--eat
Justice--person...... 1
Boy--school
Light--see
Health--comfort
Bible--read
Memory--recollection..
Sheep--eat
Bath--cleanness
Cottage--live
Swift--go
Blue--color
Hungry--eat
Priest--confession....
Ocean--vessels........ 2
Head--knowledge
Stove--burn
Long--time
Religion--faith
Whiskey--drink
Child--infant
Bitter--unkind........ 17
Hammer--nail.........
Thirsty--dry.........
City--inhabitants.....
Square--brick........
Butter--eat...........
Doctor--cure.........
Loud--noise.......... 1
Thief--steal.........
Lion--animal.......... 2
Joy--happiness....... 1
Bed--lay.............
Heavy--feeling....... 2
Tobacco--chew.........
Baby--nurse.......... 1
Moon--bright.........
Scissors--cut.........
Quiet--ease.......... 2
Green--flower.........
Salt--taste.......... 1
Street--walking......
King--control........ 19
Cheese--eat.......... 1
Blossom--flower....... 1
Afraid--nervousness...
CASE No. 6418.--J.R. Marked deterioration.

Table--mahogany

Dark--dawn

Music--harp

Sickness--none

Man--white

Deep--unfathomable

Soft--silken

Eating--good

Mountain--high

House--place

Black--color

Mutton--cooked

Comfort--rest

Hand--clasp

Short--small

Fruit--apples

Butterfly--buttercups

Smooth--iron

Command--home

Chair--ebony

Sweet--potatoes

Whistle--song

Woman--pretty

Cold--depressed

Slow--process
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.......1
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.......... 1
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.......
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
Light--lamp
Health--cough
Bible--book
Memory--mind
Sheep--lamb
Bath--water
Cottage--house
Swift--quick
Blue--color
Hungry--eat
Priest--clergyman
Ocean--river
Head--life
Stove--fire
Long--short
Religion--Catholic
Whiskey--drink
Child--boy
Bitter--sweet
Hammer--noise
Thirsty--drink
City--New York
Square--Marion
Butter--cow
Doctor--W
Loud--noise
Sec. 8. PATHOLOGICAL REACTIONS FROM NORMAL SUBJECTS.

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

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

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

Table--brought........19
Dark--some............19
Music--leaf............19
Sickness--water.......19
Man--book.............19
Deep--desk............19
Soft--ground..........19
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
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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..........13
Health--sickness.....
Bible--book...........
Memory--leaf..........13
Sheep--wool..........13
Bath--water..........13
Cottage--people.......1
Swift--fast..........18
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........
Table--linen
Dark--sunshine
Music--song
Sickness--Saturday
Man--manager
Deep--dark
Soft--sorrowful
Eating--eighty
Mountain--miner
House--heart
Black--blue
Mutton--mountain
Comfort--company
Hand--happy
Short--slow
Fruit--froth
Butterfly--butter
Smooth--smoke
Command--company
Chair--chap
Sweet--slow
Whistle--whip
Woman--worried
Cold--cow
Slow--slap
Wish--water
River--rubbed
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Justice--judgment.....
Boy--butter.........15
Light--love.........19
Health--help.........10
Bible--book.........
Memory--mental.......10
Sheep--shop.........10
Bath--bandage........10
Cottage--cot.........10
Swift--swan.........10
Blue--black..........10
Hungry--height.......19
Priest--house.......10
Ocean--apple.........19
Head--heart.........
Stove--strap........10
Long--love...........15
Religion--belief.....
Whiskey--whisk broom..10
Child--chap.........10
Bitter--butter........10
Hammer--habit.......19
Thirsty--thirty.......10
City--soap...........15
Square--squirrel......10
Butter--bank.........19
Doctor--dentist......
Loud--laugh.........
Thief--thump.........19
Lion--lump...........19
Joy--jump...............19
Bed--bank..............15
Heavy--happy...........10
Tobacco--tub...........19
Baby--bundle..........0
Moon--mantle...........10
Scissors--Saturday....15
Quiet--quarter.........10
Green--drought.........19
Salt--Saturday.........10
Street--straight......
King--cattle...........19
Cheese--captain........19
Blossom--bandage......15
Afraid--flattered.....10

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

Table--stable...........
Dark--dreary..........0
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...........10
Mutton--mitten.......10
Comfort--come........10
Hand--handsome.......10
Short--small........ 1
Fruit--first..........10
Butterfly--butter.....10
Smooth--sooth........10
Command--come........
Chair--air............10
Sweet--good.......... 1
Whistle--music........
Woman--wonder........19
Cold--freezing........
Slow--snow...........10
Wish--wind............10
River--riffle.........3
White--wait...........10
Beautiful--handsome...
Window--light........
Rough--harsh..........
Citizen--city.........
Foot--walk............
Spider--creep
Needle--needless......10
Red--color
Sleep--sleet........10
Anger--rough
Carpet--carpenter.....10
Girl--going...........19
High--air
Working--toiling......
Sour--shower...........10
Earth--eating...........19
Trouble--loneliness...17
Soldier--solid.....10
Cabbage--carrying.....19
Hard--hardly.......... 8
Eagle--eating...........10
Stomach--starch.......10
Stem--step.......... 2
Lamp--glass
Dream--dreary
Yellow--yonder.........12
Bread--bed............10
Justice--juice...........10
Boy--ball
Light--likeness....10
Health--help...........10
Bible--book
Memory--memorial..... 2
Sheep--sleep...........
Bath--battle.........10
Cottage--cotton......10
Swift--fast.......... 
Blue--blind.........10
Hungry--hurry........10
Priest--prince.......10
Ocean--over..........12
Head--large.......... 1
Stove--stone.........10
Long--heavy..........19
Religion--goodness... 1
Whiskey--strong......
Child--small.........1
Bitter--butter.......10
Hammer--hard........ 
Thirsty--thrifty......10
City--seeing.........10
Square--squirrel.....10
Butter--bitter.......10
Doctor--dark.........10
Loud--noisy.........
Thief--stealing......
Lion--eating.........
Joy--joyous.......... 8
Bed--sleep...........
Heavy--weightful.....4
Tobacco--cocoa......10
Baby--boys.......... 2
Moon--moo.......... 3
Scissors--successors..10
Quiet--easy.........
Green--grass........
Salt--simmer.........19
Street--steep........10
King--kingdom........
Cheese--squeeze......10
Blossom--blooming....
Afraid--Africa........10

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

Table--cat...........19
Dark--no...............12
Music--will...........19
Sickness--chair.......19
Man--table........... 6
Deep--floor...........14
Soft--paper........... 6
Eating--wood...........19
Mountain--chair.......15
House--Window........
Black--wall...........
Mutton--sky...........19
Comfort--air.........18
Hand--table...........
Short--paper.........6
Fruit--sweeping......19
Butterfly--room......18
Smooth--working......2
Command--stone......19
Chair--machine......19
Sweet--radiator......19
Whistle--clock......19
Woman--cane.........19
Cold--flower.........19
Slow--cord..........19
Wish--marriage......2
River--chimney......19
White--wheel.........19
Beautiful--cane......15
Window--pot.........19
Rough--grass.........19
Citizen--paper.......  
Foot--closet.........19
Spider--awning......19
Needle--good.........9
Red--bad.............9
Sleep--hinge.........19
Anger--will..........15
Carpet--paper.......6
Girl--chair.........15
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Ocean--boat...........
Head--hat............
Stove--ashes.........17
Long--short.......... 
Religion--peace......
Whiskey--bottle......
Child--dress.........
Bitter--sour.........
Hammer--teeth........19
Thirsty--dry.........
City--good........... 1
Square--wood.......... 
Butter--best.........10
Doctor--shoes.........19
Loud--music.......... 
Thief--notes.......... 2
Lion--strings.........19
Joy--happy........... 1
Bed--wish.............13
Heavy--lead.......... 
Tobacco--plant....... 
Baby--good........... 1
Moon--paper.......... 6
Scissors--straw........19
Quiet--hoop..........19
Green--rope..........19
Salt--dish...........
Street--dirt..........
CONSECUTIVE No. 216.--State hospital attendant. Incompetent, dull.
Numerous non-specific reactions.

Table--rolling........19
Dark--swim..........19
Music--playing....... 
Sickness--riding......19
Man--walk............
Deep--singing.......19
Soft--light.......... 
Eating--sleep........
Mountain--low....... 
House--small......... 1
Black--dark.........
Mutton--lean..........19
Comfort--good......... 1
Hand--small.......... 1
Short--small......... 1
Fruit--taste.........
Butterfly--beautiful.. 1
Smooth--long........ 6
Command--immediate.... 2
Chair--small.......... 6
Sweet--clear.........19
Whistle--long........
Woman--small.......... 1
Cold--long............ 6
Slow--write.......... 2
Wish--quick..........10
River--long.......... 1
White--clean........
Beautiful--nice...... 1
Window--big..........19
Rough--bad.......... 19
Citizen--short....... 1
Foot--small.......... 1
Spider--small........ 1
Needle--small........ 1
Red--dark...........
Sleep--easy.......... 1
Anger--bad........... 1
Carpet--small........ 1
Girl--short..........15
High--long.......... 1
Working--good....... 1
Sour--bad........... 1
Earth--large.......... 1
Trouble--bad......... 1
Soldier--good....... 1
Cabbage--small....... 1
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.......... 1
Bath--good.......... 1
Cottage--large....... 1
Swift--fast.......... 1
Blue--dark.......... 1
Hungry--long......... 6
Priest--true......... 19
Ocean--wide.........
Head--large......... 1
Stove--black.........
Long--wide.......... 1
Religion--good....... 1
Whiskey--strong....... 1
Child--small......... 1
Bitter--bad........ 1
Hammer--small...... 1
Thirsty--bad........ 1
City--big...........
Square--long........
Butter--good........ 1
Doctor--good........ 1
Loud--hearty....... 19
Thief--bad........ 1
Lion--bad.......... 5
Joy--happy.......... 1
Bed--easy...........
Heavy--stone........
Tobacco--strong.....
Baby--small......... 1
Moon--large.......... 1
Scissors--sharp......
Quiet--baby.........
Green--dark.........
Salt--strong........ 10
Street--wide.........
King--high..........
Cheese--good........ 1
Blossom--apples.....
Afraid--he.......... 12

CONSECUTIVE No. 318.--School boy. Non-specific reactions.
Table--board
Dark--night
Music--sound
Sickness--pleasantness 9
Man--people........... 1
Deep--river...........
Soft--cat............. 2
Eating--pleasantness.. 1
Mountain--high........
House--home...........
Black--dark...........
Mutton--good........ 1
Comfort--pleasure..... 1
Hand--foot............
Short--little.........
Fruit--good........... 1
Butterfly--pretty..... 1
Smooth--soft..........  
Command--go...........
Chair--sit............
Sweet--good........... 1
Whistle--noise........
Woman--pretty........ 1
Cold--bad............. 1
Slow--quick...........
Wish--good........... 1
River--deep
White--snow
Beautiful--pretty 1
Window--look
Rough--even
Citizen--good 1
Foot--hand
Spider--bite
Needle--sharp
Red--crimson
Sleep--wake
Anger--mad
Carpet--floor

Girl--good 1
High--tall
Working--sleep
Sour--bad 1
Earth--ground
Trouble--bad 1
Soldier--good 1
Cabbage--bad 6
Hard--soft
Eagle--bird
Stomach--ache
Stem--slender
Lamp--light
Dream--good......... 1
Yellow--pretty....... 1
Bread--good......... 1
Justice--good........ 1
Boy--fun.............
Light--see...........
Health--happiness.... 1
Bible--good......... 1
Memory--good......... 1
Sheep--pretty....... 1
Bath--good......... 1
Cottage--pretty...... 1
Swift--quick........
Blue--yellow........
Hungry--eat.........
Priest--good.........
Ocean--big...........
Head--little........ 15
Stove--hot.......... 
Long--distance....... 
Religion--good....... 1
Whiskey--bad......... 1
Child--cute.......... 
Bitter--good......... 1
Hammer--hard........ 
Thirsty--hard......... 5
City--good.......... 6
Square--round........


Butter--soft
Doctor--good
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..........19
Deep--dark.........
Soft--sweet........
Eating--drinking....
Mountain--snow.....
House--great.......9
Black--horse....... 
Mutton--good.......1
Comfort--health.....
Hand--foot.........
Short--fat.......... 
Fruit--good.........1
Butterfly--pretty....
Smooth--hard....... 
Command--general.....
Chair--soft.........
Sweet--good.........1
Whistle--loud....... 
Woman--large.........1
Cold--dreary....... 
Slow--hard......... 
Wish--fairy.........
River--large.........1
White--snow......... 
Beautiful--woman.....1
Window--large.........1
Rough--hard.........
Citizen--good.........1
Foot--small........... 1
Spider--ugly.........
Needle--thick........
Red--cow.............17
Sleep--dreams........
Anger--very..........12
Carpet--pretty...... 1
Girl--small.......... 1
High--tree...........
Working--hard........
Sour--bitter.........
Earth--great.......... 1
Trouble--hard........
Soldier--brave....... 
Cabbage--good........ 1
Hard--stone.......... 
Eagle--great......... 9
Stomach--weak........
Stem--watch.......... 
Lamp--pretty......... 9
Dream--sweet.........
Yellow--buttercup....
Bread--flour.........
Justice--man.......... 1
Boy--gun.............
Light--bright.........
Health--care.......... 2
Bible--holy..........
Memory--poor
Sheep--pretty
Bath--nice
Cottage--low
Swift--stream
Blue--bluebird
Hungry--tired
Priest--church
Ocean--water
Head--large
Stove--fire
Long--snake
Religion--Jesus
Whiskey--temperance
Child--healthy
Bitter--apple
Hammer--nail
Thirsty--water
City--houses
Square--desk
Butter--yellow
Doctor--medicine
Loud--harse
Thief--wicked
Lion--fierce
Joy--happiness
Bed--rest
Heavy--stone
Tobacco--dirty........
Baby--small.......... 1
Moon--sky.............
Scissors--sharp........
Quiet--lonely........
Green--sour...........
Salt--cows............ 19
Street--people....... 1
King--rich............ 19
Cheese--yellow......
Blossom--pretty....... 1
Afraid--fear.......... 

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

Table--chair............
Dark--candle........... 17
Music--girl.............
Sickness--doctor........
Man--woman............. 1
Deep--swimming.......... 19
Soft--hand.............
Eating--Reisenweber.... 17
Mountain--Kipling...... 19
House--mortgage......... 17
Black--spectrum........19
Mutton--pig.............
Comfort--chair.......... 
Hand--ring.............
Short--tall...........
Fruit--banana.......... 
Butterfly--color........ 
Smooth--sphere.........17
Command--soldier........
Chair--teacher........10
Sweet--apple...........
Whistle--policeman.....
Woman--hat............... 
Cold--thermometer.........19
Slow--invalid.......... 
Wish--million...........
River--Hudson.......... 
White--Broadway.........19 
Beautiful--girl.........
Window--school.......... 
Rough--ball...............19 
Citizen--justice.........
Foot--shoe............... 
Spider--insect.......... 
Needle--tailor........17
Red--flannel...........
Sleep--potassium bromide.17
Anger--teacher.........
Carpet--tack.............
Girl--belt................17
High--pole..............
Working--laborer........
Sour--apple.............
Earth--Columbus........
Trouble--lawyer.........19
Soldier--gun............
Cabbage--plantation.....2
Hard--brick.............
Eagle--feathers.........
Stomach--juice..........17
Stem--leaf...............17
Lamp--light.............
Dream--pillow...........17
Yellow--lemon...........
Bread--crust............
Justice--judge.........
Boy--pants..............
Light--gas...............19
Health--medicine........
Bible--Jacob............17
Memory--brain...........
Sheep--wool.............
Bath--soap...............17
Cottage--rod............19
Swift--ball.............
Blue--sky..............
Hungry--l..............
Priest--surplice........
Ocean--ship............
Head--hair.............
Stove--shovel.........17
Long--pole.............
Religion--Abraham.....19
Whiskey--Kentucky.....17
Child--baby............
Bitter--pepper.........
Hammer--nail...........
Thirsty--lemonade.....
City--Manhattan.......17
Square--Washington...
Butter--salt..........  
Doctor--nurse.........
Loud--hammer.......... 
Thief--jewelry.........
Lion--Androcles......18
Joy--automobile....... 
Bed--shoes.............15
Heavy--Flannigan......19
Tobacco--pipe.........
Baby--wife.............
Moon--man...............1
Scissors--cut.........
Quiet--demure.........
Green--eyes...........
Sec. 9. NUMBER OF DIFFERENT WORDS GIVEN AS REACTIONS.

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

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

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

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

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

TABLE VI.

Med. Av.

86 normal subjects, common school education; records containing not over 10 individual reactions........ 85 84.5
66 normal subjects, collegiate education; records containing not over 10 individual reactions........ 87 86.5
48 normal subjects, school children; records containing not over 10 individual reactions........ 87 84.9
53 normal subjects; records containing not under 15 individual reactions............................... 90 88.7
108 cases of dementia praecox............................. 87 84.8
33 cases of 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 malingers, 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.

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superintendent of this hospital, to whom we are indebted for the
opportunity of undertaking this work.

THE FREQUENCY TABLES.

1. TABLE

accommodation 1
article 3
articles 1
basket 1
bench 9
board 14
book 7
books 5
boy 1
bread 1
breakfast 2
broad 2
brown 1
butter 1

cards 2
celery 1
center 1
chair 267
chairs 7
chemical 1
cloth 57
cockroaches 1
comfort 1
cover 17
cutlery 1

desk 11
house 3
ink 1
kitchen 1
lamp 1
large 4
leaf 1
leaves 1
library 1
leg 13
legs 10
linen 2
long 1
low 2
Mabel 1
mahogany 2
mat 1
meal 6
meals 4
meat 2
mess 1
nails 2
napkin 1
number 1

oak 1
object 1
old 1
operating 1
ornament 2

parlor 1
pitcher 1
plate 4
plates 1
plateau 1
polished 1

refreshments 1
rest 3
room 3
round 10

school 1
serviceable 1
set 2
shiny 1
sit 3
sitting 2
slab 1
smooth 1
soup 1
spiritualism 1
spoon 6
spread 2
square 9
stable 1
stand 36
stool 3
straight 1
strong 1
supper 1

tablecloth 1
tea 1
timber 1
top 2
typewriter 1

use 2
useful 3
utensil 1
victuals 2

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

2. DARK

afraid 6

baby 1
bad 1
barks 1
black 76
blackness 2
blank 1
blind 2
blindness 2
blue 5
dim 3
dimness 3
dingy 2
dismal 3
dog 1
door 1
dreary 1
dress 4
dungeon 5
dusk 1
dusky 1
evening 4
eye 1
eyes 2

fair 2
fear 6
fearful 1
fearsome 1
fright 2

ghost 1
ghosts 1
gloom 6
gloomy 11
gray 1

green 1

ground 1

hair 5

hall 1

hell 1

hole 1

horse 3

house 2

illumination 1

invisible 2

lamp 1

lantern 1

light 427

lonely 1

lonesome 1

lonesomeness 1

mahogany 1

man 4

mice 1

midnight 1

moon 6
stars 2
stillness 1
storm 1
stumbling 1
subject 1
sunlight 1

thunder 1
tree 1
twilight 1

unseen 1

walk 1
weather 3
white 9
woods 1

3. MUSIC

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

band 6
bassviol 1
beautiful 7
beauty 2
Beethoven 7
bell 1
bird 1
birds 1
book 1
books 2
box 2
brightness 1

captivating 1
cats 1
charm 1
charms 1
charming 2
cheerful 2
cheerfulness 2
Chopin 1
chord 1
chords 1
clarinette 1
mute 1

nice 6
nocturne 1
noise 16
noisy 1
note 2
notes 17

opera 5
orchestra 5
organ 6

paper 2
pastime 1
piano 180
pianola 2
pitch 1
play 7
playing 8
pleasant 10
pleasantness 1
pleasing 5
pleasure 31
poem 1
poetry 4
soothing 2
sound 95
sounds 2
stool 2
strain 1
strains 2
string 1
study 2
sweet 47
sweetness 6
symphony 4
talent 2
teacher 6
teaching 1
thought 1
time 2
tone 3
town 1
tune 2
violin 21
voice 2
Wagner 3
wavy 1
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
neuralgis 1
nurse 15
nursing 2

operation 1
oranges 1

pain 56
painful 1
pale 2
patient 7
patients 1
people 1
person 1
physician 7
pill 1
pills 1
plague 1
pleasantness 1
pneumonia 5
poverty 1

quiet 1
quietness 1

recovery 2
relapsing 1
rheumatism 1
room 1

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

terror 1

共同 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
Charles 2
child 10
children 2
Christian 1
clergyman 1
clothes 7
clothing 2
ccoat 3
comfort 1
companion 1
company 1
coon 1
crank 1
creature 8
cross 1
devil 1
doctor 2
dress 1

educator 1
existence 1

fakir 1
false 1
family 1
father 15
female 3
flesh 2
form 2
fraud 1
Fred 1
friend 2
gentle 1
gentleman 7
girl 6
glacier 1
good 10
greatness 1
grown 1
growth 1
hair 1
hat 7
help 2
home 1
homely 1
horrible 1
horse 4
house 1
human 22
humanity 1
husband

individual

insane

institution

intellectual

intelligent

janitor

Joe

labor

laborer

lady

large

life

light

limb

living

lord

love

machine

maiden

male

mammal
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
street 1
strength 32
strong 8
sweetheart 1

Taft 1
tall 12
thought 1
trousers 6
true 1

unfeminine 1
use 1

V. 1
voter 1

walk 1
wedding 1
whiskers 1
wife 5
wise 1
woman 394
work 17
works 1
worker 1
working 3

young 2

6. DEEP

abyss 3
altitude 1
around 1

below 3
beneath 1
black 1
blue 3
bottom 1
bottomless 1
bowl 1
breath 1
broad 1
brooding 1
brook 1

cave 2
Cayuga 1
chair 1
chasm 2
cellar 1
classic 1
clear 1
cliff 1
danger 3
dangerous 5
dark 28
darkness 4
dense 1
depth 31
depths 1
diameter 1
dig 1
distance 8
ditch 8
doleful 1
down 27
dread 1

date 1
extension 1

fall 2
falling 3
far 3
fathomless 5
fear 1
full 1
gloomy 1
good 1
gorge 1
great 1
ground 1
heavy 1
height 5
high 37
hole 32
hollow 13
large 8
length 8
level 2
light 4
long 18
low 51
measure 2
mighty 1
mind 1
mine 4
narrow 3
ocean 93
organ 1
philosophy 1
pit 1
pond 1
pool 1
precipice 1
profound 4
ravine 1
reaching 1
river 13
rocks 1
safety 1
scare 1
sea 90
sewer 1
shade 1
shady 1
shallow 180
sharp 1
ship 1
short 1
sincere 1
sink 2
sleep 1
smooth 1
sorrow 1
sound 2
space 6
spacious 2
steep 7
story 1
strong 1
study 1
sunken 1
surface 1
swimming 1

thick 1
thickness 1
thin 1
thinking 2
thought 14
thoughts 2
tranquil 1
trench 1

under 1

valley 1
vast 2

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

7. SOFT

apple 1

baby 7
ball 2
beautiful 1
bed 12
boiled 1
brain 1
bread 4
breeze 1
butter 12
cake 1
candy 1
care 1
carpet 1
cat 1
cement 1
clay 1
clean 1
cloth 3
clothes 1
coal 2
cold 1
color 2
comfort 2
comfortable 5
comply 1
consistency 1
cotton 28
crabs 1
cream 2
creeping 1
cushion 25
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
chew 1
chewing 27
chicken 3
coffee 1
Commons 1
consuming 4
cooking 3
cream 2
devour 1
devouring 2
diet 2
diets 1
digest 1
digesting 7
digestion 10
dine 2
dining 1
dinner 31
drink 6
drinking 166
dyspepsia 1
gratifying 1

habit 3
health 9
healthful 1
heartily 1
hearty 1
hot 2
house 1
hunger 19
hungry 44

ice-cream 2
indigestion 4

knives 1

lemons 1
life 2
live 4
living 5
lobster 1
lobsters 1
lunch 8
masticate 1
masticating 11
mastication 5
matter 1
meal 4
meals 10
meat 11
meeting 1
mild 1
milk 1
more 1
motion 1
mouth 2
movement 1
much 1
myself 1

necessary 4
necessity 7
nice 3
nourish 1
nourishing 2
nourishment 11

olives 1
oranges 1
palatable 2
people 3
pie 3
pleasant 7
pleasantness 1
pleasure 10
plenty 1
poor 1
potato 1
potatoes 2
provisions 1
pudding 1
quick 1
quickly 1
refreshing 2
refreshment 1
Reisenweber 1
relief 1
relish 2
resting 2
room 1
sandwich 1
satisfaction 12
satisfied 4
satisfy 1
satisfying 5
sick 1
sit 1
sitting 1
sleep 1
sleeping 17
slow 2
slowly 1
soup 2
starving 4
steak 2

stomach 2
strawberries 1
strength 2
substance 1
sufficient 2
sugar 1
surfeiting 1
sustaining 1
sustenance 2
swallow 6
swallowing 5
table 21
talking 1
taste 7
tasting 2
teeth 3
thinking 1
throat 1
tongue 1

use 1
utensils 1

vegetable 2
vegetables 8
victuals 4

want 2
water 1
watermelon 1
well 2
work 1

9. MOUNTAIN

abrasion 1
crevice 1

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

earth 3
elevation 9

fear 1
field 1
Flashman 1
foliage 1
fountain 1

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

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

horse 1
Hudson 1
huge 2

impressive 1
incline 1
island 1
Kipling 1
knoll 1

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

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

object 2
Owl's Head 1

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

pointed 1
railway 1
range 3
ranges 1
river 8

rock 10
Rockies 6
rocks 18
rocky 5
rough 1

scene 1
scenery 3
sea 1
seas 1
seashore 1
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
hovel 1
hut 2

inhabitant 1
inhabited 1
inmates 1
into 1

joy 1

land 10
lake 1

large 24
lawn 3
lemon 1
Leonia 1
life 2
live 33
living 19
lot 18
lots 1
lumber 3

man 2
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
cloak 3
color 129
colored 1
coloreless 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

12. MUTTON

animal 9
animals 1
appetite 1
Australia 1

baa 1
beef 97
bony 1
breakfast 1
broth 15
brown 1
butcher 2
calf 2
cattle 1
cheap 3
chop 34
chops 33
cow 2
delicious 1
dinner 6
disagreeable 2
dish 1
dislike 2
disliked 1
eat 14
eatable 7
eating 10
fat 7
field 2
flesh 10
flock 1
food 30
fork 1
fowl 1

goat 1
good 9
grass 1
grease 2
greasy 1

ham 2
hate 1
head 2
horrid 1

indigestion 1

knife 1

lamb 121
lambs 2
leg 5
Mary 1
meat 257
mouse 1
muttonhead 1

nice 2

old 1

pastures 1
peas 1
pig 2
pork 3

rare 1
roast 4

sauce 1
sheep 204
smell 1
soft 1
soup 2
stale 1
steak 3
stew 2
strong 2

table 4
tallow 6
tender 3
thinking 1
tough 6

uncle 1

veal 30
vegetables 1
vegetarian 1

wool 4

13. COMFORT

agony 1
annoyance 1

bad 1
bed 42
blanket 4
desirable 2
discomfort 24
disease 1
displeasure 1
distress 4
driving 1
ease 165
easiness 11
easy 61
eating 1
enjoying 1
enjoyment 6
feather 1
feeling 1
fireplace 2
fireside 2
friends 1
God 1
good 5
goodness 1
great 1
grief 1
hammock 7
happiness 50
happy 17
hard 2
hardship 7
healing 1
health 15
help 3
home 63
house 4
household 1

I 1
idleness 1
ill 1

joy 9
justice 1

kindness 1

lamp 1
laziness 2
lazy 1
leisure 6
less 1
life 1
like 1
living 2
loneliness 1
lounge 6
luxurious 1
luxury 23
man 1
mansion 1
miserable 1
misery 9
money 9
mother 3
neatness 1
nice 4
none 1
nurse 2
pain 4
palace 2
patient 1
peace 12
people 1
pillow 2
pipe 1
playing 1
pleasant 9
please 1
pleasure 77
plentiness 1
plenty 1
Polly 1
post 1

quiet 6
quietness 1
quilt 7

rain 1
relief 1

rest 53
restful 1
restfulness 1
resting 5
rich 1
rocker 8

safety 1
salary 1
satisfaction 4
satisfied 8
security 1
settled 1
sick 1
sickness 3
sit 1
sitting 4
sleep 10
slippers 1
slumber 1
smoke 1
smoking 1
sofa 5
soft 2
solace 1
solid 11
solitude 8
soothing 2
sorrow 5
speak 1
spirit 1
spread 1
suffering 1
sweet 1
swing 1
table 2
taken 1
tea 1
thankfulness 1
tired 1
trials 1
trouble 1
uncomfort 1
uncomfortable 10
uneasiness 3
uneasy 3
unrest 1
unwell 1
warm 6
warmth 4
wealth 6
well 8
well-being 1
wine 1
wish 1
woman 1
wool 1
work 1

ye 1

14. HAND

anatomy 2
arm 63
arms 2

ball 1
beautiful 3
black 3
bleeding 1
body 48
bone 1
bones 1
busy 1

cards 2
clean 1
clock 1
convenience 1
cradle 1
cunning 1
dexterity 1
diligence 1
dissecting 1
do 1
doing 2
dog 1

ear 1
elbow 1
extremity 6

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

instrument 2

jewel 1
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
15. SHORT

abbreviated 2
age 1
arm 2
baby 1
beach 1
beam 1
board 1
boy 3
brevity 1
brick 1
brief 7
broad 1
build 1

C. 1
cake 1
chair 1
change 1
child 4
children 1
clock 1
cloth 1
comfort 1
compact 1
cut 1
cylinder 1
dainty 1
day 4
deficient 2
dimension 1
diminature 1
diminutive 2
disagreeable 1
distance 10
dot 1
down 1
drawn 1
dress 3
dumpy 2
dwarf 11
dwarfs 1
easy 2
elongated 1
extension 1
fat 4
finger 1
flowerpot 1
foot 2
friend 2
girl 11
life 5
little 15
line 1
lived 1
long 279
low 11
lowly 1

man 20
measure 3
measurements 1
medium 2
midget 1
millimeter 1
minus 1
Miss K. 1
money 1
mother 1
myself 6

name 1
narrow 1
near 1
needle 1
not 1
slight 1
slightly 1
small 136
space 1
speech 2
square 1
staccato 1
stature 2
stem 2
stick 8
stop 2
story 1
stout 24
strawberries 1
street 2
string 1
strong 1
stubborn 1
stubby 9
stumpy 4
stunned 1
stunted 1
sufficient 1
sum 1
sweet 1
tall 168
thick 6
thin 1
time 8
tiny 1
Tom Thumb 1
tree 1

unpleasant 1
useless 1

vacation 1

waisted 1
walk 3
want 1
wanting 2
water 1
well 1
wide 1
woman 6
wood 1
worm 1

you 1
16. FRUIT

acid 2
appetite 2
apple 157
apples 102
article 1

bake 1
banana 11
bananas 8
berries 7
berry 1
blackberries 1
bread 2

cake 2
can 1
candies 1
candy 3
cherries 2
cherry 2
country 1
currants 1

dainty 1
delicacy 2
delicious 9
desire 1
digest 1
digestion 1
easy 1
eat 62
eatable 33
eatables 15
eating 35
edible 1
eggs 1
enjoyment 2
figs 1
fish 1
flesh 1
flower 3
flowers 3
fond 1
food 22
fresh 1
garden 2
good 24
love 1
luscious 5
luxury 2

meat 4
medicine 1
melon 1
milk 1

nourishing 1
nourishment 2
nice 5
nutritious 2
nuts 2

orange 25
oranges 26
orchard 6
outcome 1

palatable 2
peach 17
peaches 32
pears 11
picking 1
pie 1
pineapple 2
plant 1
plants 1
pleasant 2
pleasure 1
plenty 2
plum 2
produce 2
prune 1

raspberries 1
raspberry 1
red 1
result 1
ripe 9
ripeness 1

salad 1
seed 5
sickness 1
sour 4
south 1
spring 1
stalk 1
stand 1
stems 1
store 1
strawberries 2  
strawberry 1  
summer 2  
swallow 1  
sweet 24  
sweets 1  

table 3  
taste 5  
tree 25  
trees 27  

vegetable 75  
vegetables 28  

watermelon 1  
wine 1  

17. BUTTERFLY  

air 1  
airiness 1  
airy 2  
animal 24  
animals 2
ant 2

beast 1

beautiful 24

beauty 20

bee 31

bees 4

beetle 5

bird 64

birds 10

black 2

blossom 1

blue 1

bread 2

bright 1

brilliant 2

brown 1

bush 1

butter 3

buttercup 6

bug 11

bugs 1

bumblebee 1

cabbage 1

caterpillar 37

caterpillars 1
flight 2
flippant 1
flitting 1
flits 1
flower 13
flowers 12
flutter 2
fluttering 1
fly 44
flying 20

gaudy 1
gauze 1
gay 2
girl 2
gnat 2
golden 3
good 1
grace 2
graceful 1
grass 1
grasshopper 5
grasshoppers 2
grub 5

handsome 1
happy 1
high 1
horse 1
human 1

idler 1
insect 261
insects 2

Japanese 1

kite 1

lady 1
lepidoptera 8
light 5
lightness 2
lilies 1
little 1

meadows 1
metamorphosis 1
miller 4
monarch 1
mosquito 8
snare 1
soul 1
sparrow 1
speckled 1
spider 9
spotted 2
spring 5
summer 17
sun 1
sunshine 6
swallow 1
sweet 1
swift 1

temporary 1
tree 1
two 1

useless 1

vanity 2
variegated 1

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

yellow 37

18. SMOOTH

apple 2

ball 1
basin 1
bed 2
board 9
butter 1

calm 4
carpet 1
character 1
cheek 1
chip 1
circus 1
clean 2
flat 14
flexible 2
floor 15
folded 1
fur 2
glass 56
glassy 4
glazed 1
glide 3
gliding 1
glossy 11
good 2
goods 1
grand 1
grass 8
grease 1
ground 4
hair 3
hand 2
hard 41
harmonious 1
harsh 4
ice 14
iron 13
ironing 1
ivory 1

kind 1

lake 1
lawn 2
lens 1
level 52
lightly 1
lovely 1

machinery 1
mahogany 1
marble 10
mercury 1
mild 1
mirror 1
molasses 1

narrow 1
nice 4
nicely 1
sphere 1
stone 1
straight 2
street 1
stroke 1
surface 25

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

uneven 2

velvet 20
velvety 1
very 1

wall 5
walls 1
water 10
wave 1
window 1

wood 8
work 1
worm 1
wrinkled 1
wrinkles 1

19. COMMAND

ability 1
act 1
acting 1
anger 1
answer 1
anything 1
appeal 1
appearance 1
army 16
arrogance 1
ask 2
asking 2
athletics 1
attention 3
authority 14
baseball 1
Bible 1
bid 1
boss 6
boy 1
captain 7
charge 2
chief 2
church 1
combine 1
combined 1
come 5
commander 5
commandment 2
company 2
compel 1
control 8
cross 1
dare 1
demand 18
demanding 1
desire 2
determined 2
dictate 3
dictatorial 1
dignity 2
ordering 2
orders 9

parents 1
peace 1
people 2
peremptory 2
perfect 1
person 1
plead 1
policeman 1
power 10
powerful 2
praise 1
proper 1

question 1
quick 1

refuse 2
regiment 1
reply 1
reprimand 2
request 11
respect 5
respond 1
surly 1
surrender 1
talk 2
teach 1
teacher 14
teachers 1
teaching 1
tell 15
telling 1
temper 3
temperament 1
thee 1
them 1
think 2
thinking 1
thoughtfulness 1
threat 1
told 2
uncomfortable 1
upright 1
voice 6
vow 1
wagon 1
wife 1
will 3
willing 1
words 2
work 2
wrong 1

you 3

20. CHAIR

arm 4
article 4

back 1
beauty 1
bed 1
bench 13
book 1
boy 1
broken 2
brown 4
bureau 1
cane 3
caning 1
careful 1
carpet 1
cart 1
color 1
comfort 21
comfortable 8
convenience 3
couch 5
crooked 1
cushion 12
cushions 1
desk 9
ease 7
easy 6
fatigue 1
floor 10
feet 1
foot 1
footstool 1
form 1
furniture 83
Governor Winthrop 1

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

idleness 1
implement 1

joiner 1

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

mahogany 3
massive 1
mission 1
Morris 5
myself 1

necessity 2

oak 2
object 1
occupy 1
office 1

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

reading 1
rest 45
resting 3
rocker 17
rocking 15
room 9
rounds 2
rubber 1
rung 3

seat 127
seated 5
seating 2
settee 3
sit 107
sitting 56
size 1
sofa 6
soft 5
spooning 1
stand 1
stool 38
stoop 1
study 1
support 1

table 191
tables 1
talk 1
teacher 1
timber 1
tool 1
upholstered 1
upholstery 1
use 2
useful 3

white 1
wood 49
wooden 6

21. SWEET

agreeable 5
appetizing 1
apple 11
apples 3

beautiful 3
bitter 50
black 1
breath 1

candies 1
candy 82
cherries 1
child 1
chocolate 3
chocolates 1
clean 2
confectionery 1
cream 1
cunning 1
delicious 7
dessert 1
dinner 1
dog 1
dreams 1

e. 1
eat 2
elegant 1
eyes 1

face 1
flavor 2
flower 2
flowers 3
food 1
fresh 1
fruit 9
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
22. WHISTLE

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

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

factory 2
tile 3
fingers 1
fire 3
flute 5
fly 1
Franklin 2
fun 2
funny 1

Galton 1
girl 1

habit 1
happiness 3
harmony 1
harsh 1
holler 5
hollow 1
horn 4
humming 1
instrument 6
joy 2
lad 1
laugh 3
letter-carrier 1
lips 5
locomotive 5
long 3
loud 27
low 1
man 1
mash 1
melodious 1
metal 1
mill 2
mine 1
mocking 1
mouth 27
music 44
nice 3
nightingale 1
noise 173
noisy 3
note 1
notes 1

person 1
piercing 1
pipe 7
pleasure 2
police 1
policeman 6
postman 1
postman's 1
pretty 1
pucker 4

quiet 1

racket 2
report 1
running 1

scream 1
screech 1
sharp 5
shout 4
shrieking 1
shrill 26
shrillness 1
signal 3
sang 1
sing 75
singing 4
soft 1
softly 1
song 12
songs 1
sorority 1
sound 108
sounds 1
steam 3
steamboat 1
stick 1
talk 4
telephone 1
throat 1
tin 7
tool 1
top 1
toy 4
train 6
tree 1
trumpet 2
tune 18

umpire 1
unpleasant 1

vibration 1
voice 3

warble 1
warning 1
whisper 1
whispering 1
willow 8
wind 10
wood 1
wooden 1
work 1

yell 1

23. WOMAN

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

hair 9
handsome 4
hat 5
hats 1
lovable 1
love 5
loveliness 1
lovely 3
loving 1

Mabel 1
maid 1
majesty 1
man 292
mankind 2
marriage 2
married 2
mate 2
modesty 1
mother 30
Mrs. S. 1
myself 1

nature 1
necessity 1
nice 3
noble 1
nurse 1

old 1
palmist 1
parasol 1
people 1
perfection 1
person 17
petticoats 1
pleasure 3
pretty 10
purity 1

rib 1

sex 5
short 5
sister 4

skirt 3
skirts 3
slender 2
small 1
softness 1
spiritual 1
stout 2
style 2
suffrage 1
sweet 2
sweetness 2
sweetheart 1
talk 1
tall 7
teacher 1
temporary 1
truth 1
uneasy 1
use 1
virtue 2
waist 1
walks 1
weak 1
weakness 2
wife 15
will 1
womanhood 1
work 2
you 5
young 4

24. COLD

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

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

chill 9
chilly 30

clothes 2
clothing 1
ccoal 1
ccoat 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
gripe 1
gloomy 1

ham 1
hands 1
hard 2
head 2
hearted 1
heat 37
hot 151

ice 114
ice-cream 1
irritating 1

January 1

latitude 1
lemonade 1
light 2
rhinitis 1
room 1
running 1
rough 1

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

temperate 1
temperature 8
thermometer 1
touch 1

uncomfortable 10
unpleasant 4

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

zero 2

25. SLOW

action 1
age 1
anger 1
animal 2
ant 1
anxiety 1
association 1
automobile 1
awful 1

baby 2
backward 3
backwards 1
bad 1
bear 1
beggar 1
behind 1
better 1
Bill 1
boat 3
boring 1
boy 2
breakdown 1

camel 1
canal boat 1
car 6

cars 2
heavy 1
horse 14
hot 1
hurry 3

impatience 1
inactive 1
inanition 1
incessant 1
indecision 1
insect 1
invalid 2
irritating 1

laggard 1
lagging 1
lassitude 1
late 2
laziness 2
lazy 28
lecture 1
leisure 1
lingering 1
long 6

man 3
march 1
market 1

me 3
medium 1
mice 1
mind 1
mode 1
moderate 1
molasses 20
monotonous 1
moon 1
motion 7
motionless 1
move 1
movement 8
moving 5
Mr. T. 1
mule 3
music 3
myself 3

nasty 1
nature 1

obstacle 1
old 2
ox 2
oxen 1
pace 1
papa 1
person 8
Philadelphia 2
poke 1
poky 2
Poughkeepsie 1
pupil 1
quality 1
quick 55
quickly 2
quickness 1
quiet 12
rain 1
rapid 9
rhythmic 1
river 1
Rose 1
run 2
sharp 1
short 1
sick 1
sickness 1
slack 1

sloth 2
slowly 1
sluggish 7
smart 10
smooth 1
snail 62
snails 1
snake 1
softly 1
speech 2
speed 7
speedless 1
starting 1
step 2
still 3
stop 3
stubborn 1
stupid 7
subway 1
sure 27
swift 8
swing 1

talk 1

tardy 3

team 1

tedious 1

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

you 1

26. WISH

accomplish 1
accomplishment 1
achieve 1
Aladdin 1
ambition 2
angel 1
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
person 1
pick 1
picture 1
pie 1
plan 1
play 1
pleasant 1
pleasure 5
plenty 2
position 3
possess 1
possession 1
present 2
promise 2
quiet 1
reality 1
receive 1
remembrance 1
renown 1
repeat 1
request 8
rest 1
rich 1
riches 3
ring 1
sail 1
satisfactory 1
satisfied 2
satisfy 1
satisfying 1
say 2
secret 1
sincere 1
sleep 1
some 1
something 15
sorrow 1
sorry 1
speak 1
special 1
star 9
stars 2
strong 1
success 4
suggest 1
summer 2
sweetheart 1
swim 1

think 18
thinking 6
thought 47
toy 1
trip 1
trouble 1
true 6
try 1

unattainable 1
uncertain 1
unfulfilled 1
unlawful 1
unsatisfied 1

vacation 2

want 66
wants 1
wanted 1
wanting 9
waste 1
watch 1
water 1
wealth 2
well 6
will 3
wisdom 2
wise 1
wishbone 14
wonder 2
would 2
wouldn't 1

yes 1
you 1

27. RIVER

Amazon 1
Androscoggin 1

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

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

dangerous 1
deep 35
Delaware 1
depth 1
drowned 1

East 4
long 8

meadow 1
Mississippi 8
Mississquoi 1
Missouri 1
Mohawk 1
motion 1
mountain 10
moving 2

ocean 17
Ohio 2
Ottanqueehee 1
Owasco 1

Pacific 1
peace 2
Piscatague 1
plain 1
pleasure 1
pond 5

rain 1
Rappahannock 1
rapid 2
Rhine 1
rill 1
rivulet 2
rivulets 1
row 1
rowing 1
run 3
runs 3
running 11
rushing 1

Saco 1
sailing 4
salt 1

sea 14
shallow 2
Shannon 1
shining 1
ship 4
ships 1
side 1
sky 1
slow 2
small 1
smooth 7
spring 1
St. Lawrence 1
stream 117
streams 1
streamlet 1
strong 1
sunset 1
Susquehanna 2
swift 3
swim 4
swimming 4

Tay 1
tide 1
tree 1
tug 1
turbulence 1

valley 5

Ware 1
water 303
well 3
wet 2
white 3
wide 5
winding 2
winds 1

28. WHITE

almost 1
apron 2

baby 1
beach 1
beautiful 1
beauty 1
bird 1
black 308
bleached 1
blue 9
boat 1
Bob 1
body 1
bride 1
bright 4
brightness 1
Broadway 1
brown 2

cat 2
cerement 1
dove 2
dress 34
dresses 1
easy 2
evening 1

face 1
feathers 2
flag 2
flower 2

garment 2
ghost 1
glare 1
good 1
gray 2
green 6

hall 1
handkerchief 2
hands 1
hard 1
horse 2
house 4
innocence 1

lady 1
lawn 1
lead 1
lemon 1
lie 1
light 51
linen 3
lovely 1

man 2
marble 1
milk 9
Mountain 1
Mountains 1
muslin 8

napkin 1
nearly 1
nice 2

paint 5
pale 2
paper 17
pencil 1
person 2
pigeon 1
pink 2
pleasing 1
powder 1
pretty 1
pure 20
purity 19

race 1
red 7
restful 1
retired 1
ribbon 1
rightness 1
rose 2

sand 1
Sarah 1
shade 1
sheet 6
shoes 1
shroud 1
silvery 1
simple 1
skirt 1
sky 2
snow 91
snowflake 1
snowy 1
soft 1
soul 1
space 1
spread 1
still 2
summer 1
sunlight 1
swan 1

tablecloth 4
tent 1
tile 1	
trees 1
trousers 1

waist 2
wall 6
wash 1
wedding 2

yellow 7
29. BEAUTIFUL

admirable 1
admiring 1
aesthetic 1
all 1
ancient 1
appearance 2
art 6
article 1
artistic 1
attractive 1

baby 1
bird 1
birds 1
brilliant 1
building 1
butterfly 2

carpet 1
carving 1
charming 7
child 6
city 1
classic 1
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
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
oxen 3
roses 2

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

things 2
tree 4
trees 10

ugliness 2
ugly 66

vanity 1
verdure 1
violets 1

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

you 1

30. WINDOW
air 12
airing 1
airy 1
aperture 2
awning 1

bars 1
blind 4
breeze 1
bright 3
broken 2

cage 1
casing 3
children 1
church 1
clean 6
cleaner 1
clear 7
colored 1
cool 1
curtain 13
curtains 4

danger 1
dirty 2
door 57
doors 1
doorway 1
draught 1
eyes 1
few 1
frame 5
garden 1
glass 316
glasses 1
hole 4
home 1
house 22
joyful 1
landscape 2
large 11
lattice 2
ledge 1
light 186
school 2
screen 1
screens 1
seat 1
see 9
shade 8
shades 2
shed 1
shining 1
sight 7
sightly 1
sill 13
sky 1
skylight 3
small 1
square 1
stained 2
stop 1
street 1
structure 1
sun 3
sunshine 2

thing 1
translucent 1
transom 1
transparent 24
trees 2

useful 2

vast 1
ventilation 5
ventilator 2
view 15
viewing 1
visible 1
vision 1

wall 4
wash 1
wide 2
winter 2
wood 1

31. ROUGH

bad 4
bag 1
ball 1
basket 1
bear 1
blisters 1
blow 1
board 10
boards 1
boisterous 4
bold 2
boy 4
boys 4
bristle 1
brush 2
brutal 3
brutality 1
bumpy 1
calm 2
careless 1
carpet 2
chaps 1
cloth 4
coarse 29
coarseness 1
cobblestones 1
cold 1
country 2
crooked 2
cross 1
cruel 1
gentle 8
girl 1
granite 1
granular 1
grater 1
grating 1
gravel 1
ground 8

hairy 1
hall 1
hand 2
hard 38
hardness 1
harsh 10
harshness 1
haste 1
hill 2
hills 2
hilly 5
horrid 1
house 1
porcupine 1
ice 3
impertinent 1
injurious 1
iron 2
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
32. CITIZEN

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

belong 4
belonging 1
beloved 1
beneficial 1
bird 1
born 3
Brooklyn 1
brother 1
business 1
C. 1
candidate 1
capital 1
cat 1
cistern 1
citizeness 1
city 27
civies 4
civilian 2
civilized 4
clothes 1
club 1
commander 1
community 3
comrade 1
conspirators 1
constitution 1
cosmopolitan 1
countrified 1
country 17
countryman 7
criticise 1
democrat 1
duties 2
duty 3
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
moral 1
Mr. A. 1
Mr. C. 1
Mr. S. 1
municipal 1
myself 1
name 1
nationality 1
native 25
natural 1
naturalization 1
naturalized 5
navy 1
near 1
neighbor 3
newspaper 1
New York 4
noble 1
nobleman 2
nonsense 1
obedient 1
obey 1
occupant 1
office 2
officer 1
undesirable 2
unit 1
United States 19
useful 2

village 2
vote 13
voting 4
Voter 35

Washington 1
woman 2
work 2

years 1

33. FOOT

anatomy 2
animal 2
ankle 11
appendage 2
arm 11
baby's 1
base 1
bicycle 1
big 2
black 3
body 34
bone 4
bones 5
boot 6
bottom 1
broken 1
brown 1
careful 1
comfort 3
corn 3
corns 2
dainty 1
difficult 1
distance 1
expansive 1
extremity 9
finger 1
firm 1
flat 1
flesh 6
football 1
foundation 3
gear 1
girls 1
going 1
good 1
ground 2
hand 185
hands 5
head 7
heel 3
help 1
helper 1
horse 1
house 1
human 1
humility 1
hurt 1

inch 3
inches 2

kick 4
knee 2

labor 1
lame 1
large 14
leg 54
legs 1
length 2
limb 58
long 2

man 5
measure 3
member 10
mine 1
Miss F. 1
movement 2
music 1

nail 1
naked 1
necessity 2
needful 1
organ 1

pain 1
painful 1
part 2
pavement 1
pedal 3
pedant 1
pedestal 1
pedestrian 1
person 5
plaster 1

quadruped 2

rheumatism 1
right 1
rubber 1
rule 4
ruler 1
run 2

shape 1
shoe 146
shoes 17
short 4
size 1
skin 1
slipper 2
small 22
sole 1
sore 8
speed 1
stability 1
stand 6
standing 1
standard 1
step 6
stepping 1
stocking 2
stone 1
strength 1
strong 1
stumps 1
support 1
swiftness 1

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

useful 5

velocity 1

walk 106
walking 38
warm 1

yard 1

34. SPIDER

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

glass 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
sharpeness 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
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
maroon 1
Mars 1
mixture 1
moon 1

object 1
objectionable 1
offensive 1
orange 1

paint 5
paper 4
passion 1
pencil 1
pink 1
plush 1
poinsettia 1
pretty 2
purple 6

ribbon 3
riding 1
robin 3
rose 15
rosy 3
rug 2

scarlet 3
shoe 1
sky 2
smooth 1
soldier 1
spots 1
story 1
sun 5
sunset 3
sweater 1

tablecloth 1
thread 4
tie 1
tomatoes 1
turkey 2

vivid 1

war 1
warm 6
warmth 3
whiskey 1
white 97
wool 1
world 1

yarn 1
yellow 15

37. SLEEP

awake 94
awaking 1
awaken 3
awakening 1

baby 2
beautiful 1
bed 75
bedstead 1

calm 2
chance 1
child 2
children 1
coma 1
comfort 30
dead 2
death 7
deep 5
desire 1
desperate 1
dope 1
dormitory 2
dose 1
doze 4
dream 28
dreams 10
drowsy 6
drowsiness 3
dullness 1
ease 3
easy 4
eat 4
enjoyable 1
enjoyment 1
enough 1
experiment 1
eyes 10

fast 1
fatigue 2
fine 1
forgetfulness 2
gentle 1
girl 1
go 1
good 5
habit 1
happiness 1
health 3
heavy 1
home 1
insomnia 2
lady 1
leisure 1
lain 1
lie 3
living 1
luxurious 1
luxury 1
mesmerism 1
quietude 1

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

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

thinking 1
tired 26
tiresome 1

unconscious 12
unconsciousness 7

wake 60
wakefulness 4
wakened 1
wakening 1
waking 4

walk 2
wanting 1
watchful 1
weariness 3
weary 1
well 1
woman 1

38. ANGER

abuse 1
aggravated 1
aggravation 2
agony 1
amiability 2
amiable 1
angry 6
anguish 2
annoyance 1
annoyed 3
appearance 1
aroused 1
awful 1

bad 13
bitter 2
bitterness 3
blow 1
blows 1
blush 1
boy 3
breathing 1
calm 7
calmness 1
cat 2
catching 1
cause 2
character 1
cheer 1
child 1
children 1
choler 1
cold 1
command 3
compose 1
control 5
cool 1
cranky 1
crazy 1
cross 44
crossness 2
covetous 1
cruel 1
cry 1
danger 1
deliberation 1
despise 1
devil 1
disagreeable 4
disappointed 1
disappointment 2
discomfort 3
dishonor 1
dislike 1
disobedience 1
disobedient 1
displeased 2
displeasure 2
disturbance 3
disturbed 5
dog 4
downhearted 1
duel 1

demotion 3
enemy 2
energy 1
enmity 1
excitability 1
excited 3
excitement 4
exclamation 1

face 1
father 1
fear 9
feeling 4
ferocity 1
fierce 1
fiery 1
fight 8
fighting 1
fist 1
flush 1
foolish 1
foolishness 3
force 1
forgive 1
forgiveness 3
frenzy 1
fret 1
fright 1
frown 1
frowning 1
fun 1
furious 2
fury 4
gentle 2
gentleness 3
giant 1
girl 1
glad 4
gladness 2
good 2
great 1
grief 3
grieve 1
grouchy 2

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

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

jealousy 1
Jimmy 1
joy 4
joyful 1
judgement 1

kind 2
kindness 2

laughter 1
light 1
lion 2
little 1
loud 3
love 5
low 1

mad 121
maddest 1
madness 19
malice 2
man 6
mean 1
meekness 4
mild 1
mind 4
mirth 2
myself 2

name 1
nature 1
nerves 1
nervous 1
never 1
nice 1
noise 2
noisy 1
none 1
nonsense 1
not 1
noticeable 1
obey 1
out 1
outrage 1

pain 1
passion 51
passionate 1
patience 3
peace 6
peaceful 1
peevish 1
person 2
placid 1
pleasant 5
pleasure 4
provocation 2
provoke 1
provoked 1
provoking 2

quarrel 3
quarreling 2
quarrelsome 1
quick 4
quickness 1
quiet 6
quietness 1
quite 1

rage 16
rarely 1
rashly 1
rashness 1
raving 1
reason 1
red 3
remorse 1
resentment 2
resistive 1
rest 1
restless 1
revenge 8
riled 2
rough 3
roughness 1
rude 1

sad 1
scold 2
scolding 2
scowl 1
sedative 1
selfishness 1
sharp 1
shorn 1
sick 1
sin 1
slow 1
smooth 2
sober 1
soft 1
soldier 1
sometimes 1
soothing 1
sorrow 10
spite 1
spiteful 1
storm 1
strike 1
strong 1
suffering 1
sulky 1
swear 1
sweetness 1
sword 1
talking 1
teacher 2
tears 1
temper 149
temperament 1
terrible 1
terror 1
thought 3
torment 1
trouble 6
turbulent 1
turmoil 1
ugliness 1
ugly 4
unbecoming 1
uncomfortable 1
unhealthy 1
unpleasant 4
very 1
vexation 3
vexed 13
vicious 1
violence 1
violent 2
voice 1

war 1
wicked 5
wickedness 1
wish 1
woman 4
words 1
wrath 52
wrathful 1
wroth 2
wrong 4

yelling 1

39. CARPET

appearance 1
article 1

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

chair 1
chairs 1
clean 3
cleaning 2
cleaner 1
cloth 20
color 6
colors 1
comfort 15
comfortable 8
cotton 2
cover 27
covering 76
curtains 1
dark 1
design 6
designer 1
dirt 2
down 1
drag 1
dullness 1
dust 4
duster 1
ease 3
electric 1
expense 1
fancy 2
figure 3
flat 1
floor 256
flooring 2
foot 2
fur 1
furnishing 1
furniture 4
nail
neatness
nice
none

oilcloth
oriental
ornament

parlor
pattern
pennant
pleasant
plush
pretty
protection

quick

rag
rags
ragged
red
reddish
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
has 1
hat 3
head 1
here 1
hood 1
hoop 1
human 7
humanity 1

immature 1
infant 2
innocence 3
innocent 1
intelligent 1
Irene 1

jealousy 1
jolly 2
joy 2

kid 1

lady 20
large 1
lassie 1
learning 1
little 3
lively 1
Lizzie 1
love 2
loving 1
lovely 4

maid 7
maiden 13
maidenhood 1
malt 1
man 7
men 1
meek 1
mischievous 1
miss 4
Miss S. 1
modesty 1
mother 2
myself 3

neat 2
necessity 2
nice 11
niece 2
noise 1
Pelar 1
person 18
petticoats 1
play 2
pleasure 4
pretty 29
pupil 1

quick 1

rarely 1
running 1

saucy 1
school 19
servant 3
sex 4
shirk 1
silly 4
sister 6
sixteen 2
skirts 1
slender 1
slight 1
slim 1
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
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
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
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
roundness 1

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

travel 1
tree 4
trees 5

unfertile 1
universe 8

vastness 1

vegetable 1

walk 3

water 10

wide 1

wood 1

world 46

worm 5

worms 2

45. TROUBLE

accident 2

affliction 4

aggravation 3

anger 6

angry 6

anguish 1

annoy 1

annoyed 2

annoyance 5

anxiety 15

avoid 2
bad 11
begins 1
black 1
borrowed 1
borrows 1
bother 4
bothered 2
bothersome 1
brains 1
brewing 1
broke 1
burden 1
burdens 1
business 1
busy 1
calm 1
calmness 1
care 27
cares 3
careless 1
children 4
college 1
comfort 6
comforts 1
comfortable 1
coming 2
consequences 1
contented 2
contentment 1
court 1
cry 1
crying 1
danger 6
darkness 1
day 1
death 16
deep 2
despair 2
difficult 1
difficulties 1
difficulty 1
disagreeable 1
disagreement 2
disappoint 1
disaster 3
discomfort 7
discontent 2
disease 3
dislike 2
disobedience 1
displayed 1
displeasing 1
displeasure 2
dissatisfactory 1
distress 7
disturbed 2
doctor 1
dogs 1
ease 4
easiness 1
easy 1
ended 1
enemies 1
enemy 1
error 1
everywhere 1
exams 1
excited 1
excitement 2
family 3
father 1
fear 3
feeling 1
few 1
fight 5
fighting 2
flunking 1
fret 1
friends 1
fun 1
funeral 1
fuss 3

girl 2
gossip 2
great 2
grief 26

handkerchief 1
happiness 19
happy 8
hard 5
hardship 6
harm 1
health 3
heart 1
heaviness 1
hemorrhage 1
home 2
horror 1
horse 1
hurried 1
husband 1

idea 1
illness 2
imaginary 1
inconvenience 2

joy 9

kindness 1
kinds 1

labor 1
laugh 1
lawyer 1
lessons 1
life 2
little 1
lonesome 1
loss 1
lots 5

mad 2
madness 1
man 5
many 1
marriage 2
me 2
mind 10
minded 1
mischief 8
miserable 1
misery 14
misfortune 6
misunderstanding 1
money 4
monotony 1
mother 1
Mrs. Wiggs 1
much 5

nervousness 1
no 3
noise 2
none 4
nuisance 1

pain 20
patience 2
patient 2
patients 1
peace 15
peaceful 3
people 3
perplexed 1
perplexity 1
person 3

pity 1
pleasure 10
plenty 1
poor 2
poverty 2
psychologist 1

quarrel 3
quarreling 3
quiet 3
quietness 1

release 1
relief 1
remorse 1
rest 1
reverses 2
Romeo 1
ruffled 1
sad 6
sadness 13
school 1
scrape 1
sea 1
seldom 1
sereneness 1
shadow 1
ship 1
shooting 1
sickness 47
simple 1
sin 1
sleep 1
sometimes 1
sorrow 202
sorrows 1
sorrowful 4
sport 1
squabble 1
study 1
suffer 1
suffering 1
sweetener 1
sympathy 2
table 1
task 1
tears 9
teasing 1
temper 1
temptation 1
thought 2
thoughts 1
torment 1
travel 1
trial 1
trials 3
troublesome 5

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

want 1
war 2
weak 1
weary 3
weeping 2
welfare 1
woe 1
woman 5
women 1
work 8
worked 1
working 1
worried 3
worries 2
worry 65
worrying 1
worriment 5
wrinkles 2
wrong 2

yesterday 1
youth 1

46. SOLDIER

academy 1
armlet 1
army 137
arms 3
Arnold 1
artillery 2

baseball 1
battle 8
bayonet 1
blood 1
blue 1
boy 23
boys 1
brave 46
braveness 1
bravery 8
Brazilian 1
brother 1
buttons 2

cadet 4
camp 2
cannon 2
cap 1
captain 8
cavalry 3
citizen 14
civilian 3
clothes 1
colonel 1
command 6
commanding 1
commander 3
costume 1
country 4
courage 5
danger 1
defender 2
defense 1
discipline 2
disliked 1
double 1
drill 2
drums 1
duty 4
enemy 1
England 1
English 1
erect 3

fellow 1
fight 17
fights 1
fighter 12
fighting 12
firearm 1
fort 2
fortune 1

general 4
Germany 1
glory 1
good 3
Grant 1
guard 8
guardian 1
guardsman 1
gun 27
guns 2
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<td>2</td>
</tr>
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<td>1</td>
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<td>1</td>
</tr>
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<td>navy</td>
<td>2</td>
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<td>necessary</td>
<td>1</td>
</tr>
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<td>nobility</td>
<td>1</td>
</tr>
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<td>obedience</td>
<td>1</td>
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<td>obey</td>
<td>1</td>
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<td>5</td>
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<td>person</td>
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<td>police</td>
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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
flint 1
floor 10
formidable 1
fruit 1
glass 2
glittering 1
gold 1
good 2
granite 1
ground 2
hammer 1
harsh 2
heart 2
hearted 2
heavy 2
hickory 1
hurt 1
ice 8
immovable 1
impenetrable 1
indestructible 1
individual 1
indurated 1
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

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
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
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
poppy 1
projection 1
prop 1

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

shank 2
short 6
slender 7
small 1
smoke 1
soft 1
stalk 21
steps 2
stern 6
stick 14
stiff 1
stone 1
stop 1
storm 1
straight 2
support 8
thin 4
thorn 2
tide 2
tobacco 1
top 1
tree 44
trees 2
trunk 3
twig 7

valve 1
violet 1
vine 3

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

52. LAMP
Aladdin 1
arc 1
articles 6
black 5
blaze 1
brass 1
bright 12
brightness 3
burn 20
burning 10
burner 3
burns 1
candle 13
chandelier 2
cheer 1
chimney 37
convenience 1
crockery 1
dangers 1
dark 3
darkness 2
daylight 1
distance 1
dull 1

electric 5
evening 1

fire 5
flame 1
full 1
furniture 2

gas 4
glaring 1
glass 8
globe 7

high 3
home 1
hot 1
house 1

illumination 2

kerosene 7
see 2
shade 37
shadow 1
small 1
smoke 4
smokes 1
smoking 1
smoky 1
stand 2
stove 1
student 1

table 8
tall 1

useful 2

vessel 2

warmth 1
wick 23
wisdom 1

53. DREAM
absence 1
angel 1
angels 1
anger 1
anything 1
asleep 6
awake 11
awaking 1
awaken 1
awakening 3

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

comfort 1
consciousness 2
conversation 1

dangerous 1
darkness 1
days 1
death 2
delusion 1
delusions 1
disagreeable 1
disappointment 1
discontent 1
disturbance 2
disturbing 1
doze 1
dread 1
dreary 2
easy 1
expectation 1
experiment 1
eyes 1
falling 2
fancy 9
fantasy 1
fear 1
feeling 1
feelings 1
forgotten 1
fortune 1
funny 1
kind 1

land 1
languid 2
lie 2
like 1
love 2

M. 1
man 2
mare 1
meditate 1
melancholy 1
melody 1
mesmeric 1
mind 8
money 1
music 1

nature 2
never 1
nice 3
night 42
nightmare 24
no 1
none 1
recollection 1
relax 1
remember 1
repose 2
reposing 1
rest 3
restless 6
restlessness 1
reverie 2

sad 2
sadness 1
scene 1
second 1
semiconscious 1
sensation 1
sense 1
shade 1
shadows 1
short 1
sickness 2
sight 1
sights 1
sleep 339
sleeping 39
sleeper 2
sleeplessness 2
sleepy 2
slept 1
slumber 20
something 1
somnambulist 1
snore 2
soliloquy 1
stale 1
startling 1
story 1
sweet 14
talk 1
terrible 1
things 3
think 29
thinking 8
thought 38
thoughts 22
tiring 1
trouble 1
true 2
uncomfortable 1
unconscious 1
unconsciousness 1
uneasiness 1
uneasy 2
unfortunate 1
unpleasant 5
unpleasantness 1
unreal 2
unrest 2
unstable 1

vacancy 1
vagueness 1
vision 48
visions 6
vivid 1

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

54. YELLOW

alive 1
amber 2
apple 3
autumn 1
banana 5
beautiful 3
beauty 2
becoming 1
bird 8
black 24
blossoms 1
blue 41
bright 23
brightness 2
brilliant 1
brown 13
buff 1
butter 7
buttercup 11
buttercups 2
butterfly 8

canary 4
cat 1
China 2
Chinaman 3
Chinee 3
Chinese 2
chrome 1
chrysanthemum 1
chrysanthemums 1
cloth 3
course 1
color 301
coloring 1
common 1
complexity 1
corn 1
cream 2
crocus 1
daffodil 3
daffodils 3
daaisy 6
dandelion 7
dark 6
delightful 1
desert 1
disagreeable 1
dog 1
door 1
dream 1
dress 9
dresses 1
dull 1
ecru 1
egg 1

fade 1
fancy 1
fence 1
fever 3
flag 4
flame 1
flower 38
flowers 9
fruit 3

G. 1
garments 1
gay 1
glare 1
gold 13
golden 5
goldenglow 1
goldenrod 5
goods 1
gorgeous 1
grass 1

green 41

hair 2

house 2

hue 1

ink 1

jasmine 2

jaundice 3

jealousy 6

jonquil 1

journal 2

kid 2

leaf 2

leaves 1

lemon 7

light 14

lily 2

maize 1

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

feed 1
flour 88
food 191
fresh 3
fruit 2

good 21
graham 2
grain 2

ham 1
hand 1
hard 3
heavy 2
holes 1
home 2
hot 1
hunger 7
hungry 4
knife 8

life 23
light 8
living 1
loaf 7
lunch 1

making 1
man 2
meal 1
meat 5
milk 1
mixing 1

necessary 1
necessity 2
needful 1
nourishment 4

oatmeal 1

pantry 1
pastry 1
plate 1
pudding 1

roll 1
rolls 2
rye 6

salt 1
salty 1
satisfaction 1
sister 1
soft 8
sour 1
staff 8
stale 3
strengthen 1
substance 2
substantial 1
sugar 1
sustenance 1
sweet 4

table 3
tea 2
toast 1
tough 1
useful 1

water 9
wheat 21
white 15
wholesome 1
wine 1
winner 1

yeast 8

56. JUSTICE

action 2
administered 2
administration 1
all 2
always 1
ask 1
authority 1

B. 1
bad 1
bed 1
blind 3
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
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
useless 1

water 1
whistle 1
whistles 1
wicked 1
wild 2
wildness 1
woman 2
woods 1
work 1
working 1

young 22
youngster 1
youth 33
youthful 1

58. LIGHT

agreeable 1
air 8
airy 1
arc 1
assistance 1
awake 1

beacon 1
beautiful 2
beautifying 1
beauty 1
biscuit 1
black 3
blue 2
bread 1
bright 47
brightness 21
brilliant 3
brown 1
burn 2
burning 1

candle 8
cheer 1
clear 2
clearness 2
ccoat 2
color 19
comfort 2
complexion 1
convenient 1
cork 1

dark 231
darkness 93
dawn 2
day 81
daylight 2
daytime 6
dimness 1
distance 1
dress 1
dull 1

early 2
easy 1
education 1
electric 7
electricity 8
element 1
emptiness 1
enjoy 1
evening 1
eyes 1

fair 1
feather 6
feathers 1
fire 6
flame 1
fleshy 1
forward 1
fuel 1

gas 21
glare 1
gleam 1
good 8

hair 2
happiness 4
health 1
healthy 1
hearted 1
heat 8
heaven 1
heavy 5
hills 1

Illuminate 1
illumination 7

joy 1
kerosene 1
knowledge 1

laboratory 1
lamp 82
lamps 1
life 7
long 1
look 1
luminous 1

match 1
moon 10
morning 7

dice 1
night 3
necessity 1

paper 1
pathway 1
peaceful 1
pink 1
pipe 1
steam 1
sun 85
sunlight 1
sunshine 11
swift 1

transparent 1
truth 1
twilight 1

ventilation 1
Vera 1
vibration 1
vision 2
vivid 1

waist 1
warmth 2
waves 1
weak 1
weight 2
white 8
whiteness 2
window 15
world 1
yellow 6

59. HEALTH

action 1
activity 2
air 9
athletics 1

bad 5
baseball 1
beautiful 1
beauty 10
better 1
blessing 4
blood 1
board 1
body 9
boon 1
boy 2
broad 1
buoyancy 2

care 1
careful 1
cheer 1
circulation 1
cleanliness 1
climate 1
color 1
comfort 26
condition 6
constitution 1
consumption 1
contentment 1
convenience 1
country 2
desirable 3
disease 9
doctor 4
eating 1
enjoyment 5
everything 2
excellent 1
excursion 1
exercise 3
existence 1
face 1
feel 2
feeling 12
fine 1
food 4
form 1
fortune 2
freedom 1
fun 1
gift 3
girl 1
gladness 2
glow 1
golf 1
good 94
goodness 1
grand 2
gymnasium 1
gymnastics 1

happiness 111
happy 7
haste 1
healing 1
healthful 1
healthy 1
heaven 1
holiness 2
hygiene 2

ill 3
illness 13

joy 6

life 5
light 1
live 1
living 3
luck 2
luxury 1

man 4
me 1
medicine 3
merriment 1
mother 1
mountain 1
moving 1

necessary 1
needed 1
valuable 1
vigor 11
virility 1

walking 1
want 2
warm 1
water 1
weakness 1
wealth 76
well 63
wholesome 1
woman 1
wonderful 1

youth 1

60. BIBLE

academy 1
all 1
ancient 1

beauty 1
true 2
truth 17
truthfulness 1

unnecessary 1
useful 2

verses 1

weariness 1
word 8
words 1
worship 2
writ 1

61. MEMORY

absent 2
acquire 1
aid 1
analysis 1
ancient 1
association 2
attention 1
aunt 1
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<th>Word</th>
<th>Count</th>
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<td>back</td>
<td>1</td>
</tr>
<tr>
<td>bad</td>
<td>19</td>
</tr>
<tr>
<td>beautiful</td>
<td>1</td>
</tr>
<tr>
<td>bird</td>
<td>1</td>
</tr>
<tr>
<td>blank</td>
<td>3</td>
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<td>book</td>
<td>2</td>
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<td>books</td>
<td>3</td>
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<tr>
<td>brain</td>
<td>46</td>
</tr>
<tr>
<td>brains</td>
<td>5</td>
</tr>
<tr>
<td>brightness</td>
<td>1</td>
</tr>
<tr>
<td>bucket</td>
<td>1</td>
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<td>1</td>
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<td>cause</td>
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<td>childhood</td>
<td>4</td>
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<tr>
<td>clear</td>
<td>1</td>
</tr>
<tr>
<td>concentration</td>
<td>2</td>
</tr>
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<td>connection</td>
<td>1</td>
</tr>
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<td>conscience</td>
<td>1</td>
</tr>
<tr>
<td>consciousness</td>
<td>2</td>
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<td>dancing</td>
<td>1</td>
</tr>
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<td>death</td>
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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
test 5
thankful 1
things 1
think 58
thinking 38
thinks 1
thought 81
thoughts 28
thoughtful 8
thoughtfulness 3
thoughtlessness 1
time 1
train 1
training 1
tree 1

unconsciousness 1
understand 3
understanding 6
unstable 1
useful 2

verses 2

weak 1
well 1
will 1
wit 1
wonderful 1
work 2

youth 2

62. SHEEP

animal 225
animals 18
astray 1
awkward 1

baa 1
beast 3
bed 1
Bethlehem 1
black 5
blind 1
buffalo 1

calf 1
calm 1
cattle 47
cloth 1
country 3
cow 22
cows 5
dead 1
deer 2
dirty 2
dog 6
dogs 2
eat 1
farm 4
feed 1
field 12
fields 6
fleece 3
flesh 1
flock 24
flocks 1
fold 4
follow 1
food 2
foolish 1
fowl 1
fur 1
gentle 1
gentleness 1
goad 1
goat 17
goats 10
good 2
grass 4
graze 1
grazing 5
group 1

hair 1
harmless 1
herd 4
herder 1
hill 1
hillside 2
horn 1
horse 1
humanity 1

innocence 5
innocent 2

jump 1
lamb 151
lambs 36
landscape 1
large 2
lecture 1
lowing 1

many 1
meadows 3
meat 5
meekness 1
mountain 3
mutton 60

nature 1

oxen 1

park 2
pasture 27
pastures 3
peace 1
peaceful 1
pet 1
tick 1
trust 1

wander 1
water 1
white 18
wolf 2
wool 143
woolly 10

63. BATH

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

clean 120
cleaning 1
cleanliness 109
cleanly 2
cleanness 9
cleanse 6

cleansing 8

cold 14

comfort 3

cool 3

Creal Springs 1

delight 1

dirt 4

dirty 5

dry 1

English 1

every 1

filth 1

filthiness 1

fine 1

flowers 1

fluid 1

fresh 2

good 7

health 9
healthful 1
healthiness 1
healthy 4
hot 10
house 4

invigorates 1
invigorating 2

joy 1

large 1
luxury 1

man 1
massage 1
morning 2

nakedness 1
neatness 1
necessary 5
nice 2
none 1

ocean 6
often 1
once 1

pleasant 3
pleasure 2
plenty 2
plunge 3
porcelain 1

refreshed 1
refreshing 6
refreshment 1
river 2
robe 3
room 6

salt 1
sanitary 1
scrub 1
sensation 1
shower 3
sleeping 1
soap 13
soothing 1
sponge 1
spray 4
springs 1
swim 10
swimming 5
take 1
taken 1
toilet 2
towel 6
towels 2
tub 71
vapor 1
vessel 1
want 1
warm 3
wash 102
washing 16
water 339
wet 5
wood 1

yesterday 2

64. COTTAGE
cottage 1
country 36
couple 2
cozy 2
cute 1
distant 1
door 2
dwelling 23

family 2
far 1
farm 4
fence 1
field 6
fine 2
flowers 4
frame 2

garden 7
green 3

habitable 1
habitation 3
hamlet 1
hammock 1
handsome 1
happiness 5
happy 1
hill 3
home 85
homelike 1
homestead 1
hope 1
hospital 1
house 461
houses 1

innocence 1
ivy 1

lake 5
lane 1
large 1
lawn 4
little 4
live 17
living 5
log 1
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
fastness 1
fear 1
fish 1
feet 5
flight 6
fly 3
flying 3
foot 1
girl 1
go 1
going 1
good 1
grand 1
Greek 1
heard 1
hare 1
haste 1
hear 1
high 1
horse 28
hurry 12
hurrying 1

Indian 1

kite 1

launch 1
lazy 1
light 2
lightening 4
lively 3

man 1
Marathon 1
Mercury 1
messenger 1
meteor 1
more 1
morning 1
motion 2
motoring 1
movement 2
moving 1
muscles 1

near 1
Niagara Falls 1

power 1

quick 117
quickly 13
quickness 5
quiet 1

race 6
rapid 27
rapidity 2
rapidly 2
real 1
riding 1
river 18
rivers 1
road 1
rocket 1
run 19
running 20
runner 18
rushing 1

sail 1
sharp 1
shot 1
sleigh 1
slow 100
slowly 4
smart 16
smartness 1
smooth 3
speed 29
speedily 1
speeding 1
speedy 7
spinchiled 1
spy 2
steam 1
sting 1
stone 1
stream 8
strong 2
sure 2
swallow 5
swallows 1

throw 1
tide 2
time 1
train 18
trains 1

walking 1
water 11
wind 8
work 1

66. BLUE
clothing 1
cloud 1
could 1
color 256
colors 2
coloring 2
dainty 1
dark 24
deep 5
depth 1
dress 18
dull 1
ether 1
eyes 6

fair 1
feeling 4
fidelity 1
flag 6
flower 3
forget-me-not 1
gentian 1
globe 1
gloominess 2

gloomy 2

glum 1

good 1

grass 2

gray 10

green 54

hat 1

heaven 5

heavens 2

heavenly 1

homesick 1

hopeful 1

horizon 1

house 1

hue 1

indigo 5

ink 6

lake 1

light 8

lily 1

lonesome 1
melancholy 2
Monday 1

navy 1
necktie 1

ocean 12

paint 8
pale 1
paper 1
pencil 1
pink 9
pleasant 2
pleasing 1
policeman 1
pretty 4
purity 1
purple 2

red 54
restful 1
ribbon 3
river 1
room 1
sad 2
sailor 1
sea 7
serge 1
shade 2
skies 1
sky 239
soft 1
somber 1
space 1
stripes 1
suit 1
tie 2
tint 1
true 7
truth 2
turquoise 1
unhappy 1
unrest 1
velvet 1
violet 2
violets 3
washing 2
water 8
white 47
wind 2

Yale 2
yellow 27

67. HUNGRY

aching 1
ambitious 1
angry 1
animal 2
appeasing 1
appetite 57
appetizing 2

baby 2
bad 3
bananas 1
bear 1
beggar 4
biscuit 1
boy 5
bread 26
breakfast 8
butcher 1
candy 1
child 5
children 5
cold 4
college 1
country 1
crackers 1
crave 1
craving 7
cupboard 1
dark 1
desirable 1
desire 11
devil 1
devour 1
dinner 31
disagreeable 1
discomfort 4
displeasure 1
dissatisfaction 1
dissatisfied 1
distress 1
dog 14
dogs 1
dry 1
eat 126
eating 64
eatables 2
emotion 1
emptiness 4
empty 13
exhausted 2
faint 9
fainting 1
famine 5
famish 1
famished 11
famishing 1
fascinating 1
fast 3
fasting 5
fatigue 4
fatigued 1
fed 4
feel 1
feeling 8
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
pulpit 1
purity 2

rabbì 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
current 1
dark 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
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
swift 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
cdiss 2
chief 2
chop 1
clear 1
comb 2
combs 1
consciousness 1
cover 1
covered 1
cow 2
cranium 11
crown 1
director 1
donkey 1
ear 1
ears 1
emptiness 1
empty 1
encephalon 1
end 1
extremity 1
eye 2
eyes 10

face 13
father 1
feature 1
features 2
feet 26
figure 1
firm 1
first 2
food 1
foot 64
forehead 1
front 1

girl 1
glasses 1
good 3
govern 1
great 1
hair 159
hand 11
hands 2
handsome 1
hard 2
hat 17
headless 1
heart 8
heels 2
high 3
highest 2
hot 2
house 1
human 4

individual 1
intellect 2
intelligence 3

king 1
knee 1
knowledge 17

large 19
leadership 1
shoulder 1
shoulders 12
skull 5
small 7
sore 2
square 1
statue 2

stomach 2
strong 1
superintendent 2
symmetry 1

tail 3
teeth 1
thick 2
think 9
thinking 6
thought 16
thoughts 4
tired 1
top 31
trunk 2

useful 2
whirl 1
wit 1
woman 1
woman's 2
work 1

71. STOVE

article 3

bake 1
baking 1
black 59
blacking 4
box 1
breakfast 1
bright 2
burn 12
burning 2

chair 1
chimney 1
coal 25
comfort 2
cook 24
hardware 1
heat 213
heating 1
heats 1
heater 2
heavy 2
home 1
hot 86
house 2
household 1

icebox 1
implement 1
instrument 2
iron 51
isinglass 1

kettle 4
kitchen 11

lamp 3
large 2
legs 2
lid 4
lifter 3
light 1
long 1
metal 2
oil 1
oven 1
painful 1
pipe 18
pipes 1
poker 5
polish 10
radiator 2
range 19
receptacle 1
red 1
room 2
round 1
rusty 1
shovel 1
sink 1
small 2
smoke 1
steel 3
structure 1
teakettle 1
using 1
utensil 2
warm 32
warmth 42
water 1
winter 2
wood 7
zinc 1

72. LONG

age 1
anxiety 1
arm 1
arms 1
avenue 2
away 1
pipe 1
plant 1
plenty 1
pole 20

railroad 4
railway 1
rails 1
reed 1
ribbon 3
ride 1
river 15
road 32
rod 1
room 1
rope 7
row 1
rug 1
rule 2
ruler 4

shape 1
sharp 1
shore 1
short 413
shovel 1
slender 1
slim 1
slow 1
small 1
snake 2
something 1
space 1
spacious 1
spire 1
square 1
stay 1
steamer 1
steeple 1
stick 8
sticks 1
story 2
straight 1
street 6
streets 1
strength 1
stretch 2
string 6
stupid 1
summer 1
table 3
tall 26
test 1
thin 2
thread 2
throw 1
time 15
tiresome 1
tower 1
track 3
train 2
tree 4
trip 1

vast 1
very 1

wait 1
waiting 2
walk 7
walking 1
walls 1
way 6
ways 1
weary 1
whale 1
while 1
wide 7
winter 1
wire 1
wishing 1
without 1
worm 1

yard 4
year 2

73. RELIGION

Abraham 1
aesthetics 1
aim 1
all 1
anything 1
association 1
atheism 2
atheism 4

Baptist 2
beauty 1
belief 39
beliefs 1
believe 2
believing 1
believer 1
belong 1
belonging 1
Bible 52
body 1
books 2
brain 3
Buddha 1
catechism 1
Catholic 56
ceremony 2
China 1
Christ 8
Christian 14
Christianity 7
Christlike 1
church 161
churches 4
churchman 1
civilize 1
clergyman 1
comfort 4
commandments 1
conduct 1
Congregational 1
conscience 2
conversion 1
Creator 2
creed 33

custom 1

deep 1
denomination 11
devotion 4
different 2
difficult 1
dislike 1
divine 1
doctrine 4
dogma 1
doubt 2
Druids 1
duties 1
duty 2

emotion 1

Episcopal 4

Episcopalian 1
eternity 1

ethics 2
everyday 1

fair 1

faith 47
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
sectarian 2
self 1
service 3
sheeney 1
society 1
solace 1
somewhat 1
soul 1
spirituality 1
stability 1
standby 1
study 1
superstition 1

tabernacle 1
table 1
teaching 1
temperament 1
temple 2
think 2
thinking 1
thought 12
thoughtful 1
training 1
true 1
trust 1
truth 6
uncertain 1
uncertainty 1
unknowable 1

virtuous 1
vow 1

want 1
wickedness 1
wide 1
woman 1
wonder 1
wonderful 1
work 1
worship 14
worshipping 1

Yankee 1

74. WHISKEY

abomination 1
alcohol 50
ale 1
dangerous 1
dark 1
death 1
degradation 1
despised 1
destruction 1
devil 1
deviltry 1
Dewar's 1
disagreeable 1
discontent 1
disgust 1
distillery 1
distress 1
dope 1
dreadful 1
drink 232
drinks 1
drinking 17
drinkable 1
drug 1
drunk 31
drunkard 18
drunkards 3

drunkenness 26

evil 2

fast 1

fire 4

flask 1

fluid 4

food 1

full 1

gin 8

glass 3

good 15

grain 1

hard 1

headache 1

Hennessey's 1

hops 1

horror 1

hot 2

hotels 1

Hunter 1
indulge 1
indulgence 1
inebriety 1
insanity 1
intemperance 5
intoxicant 13
intoxicants 2
intoxicated 3
intoxicating 14
intoxication 14

jag 1

Kentucky 1

knock 1

law 1
liquid 12
liquids 1
liquor 70

malt 2
men 2
medicine 4
misery 1
money 1
moonshine 1

narcotic 3
nice 3
none 1

odor 1
old 1

pint 1
place 1
pleasant 1
poison 4
poor 1
poorhouse 1
powerful 1
prohibition 2
punch 1

rarely 1
red 2
ruin 1
ruination 1
rum 23
rye 9
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
dearlest 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
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
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

depth 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
quine 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

dyness 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
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
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
80. SQUARE

accurate 1
acre 1
across 1
active 1
airy 1
angle 11
angles 6
angular 4
arithmetic 1
association 1

bed 1
best 1
big 1
block 71
board 4
book 4
box 36
brick 2
broad 5
building 2
business 1

carpenter 9
deal 1
dealing 1
decoration 1
desk 2
Dewey 1
dice 4
die 1
door 2
Duesseldorf 1

earth 1
ease 1
equal 6
even 19
evenness 1
exact 1

fair 3
field 4
figure 4
file 1
flat 4
floor 1
foot 2
form 1
four 10
frame 1
furlong 1
garden 5
green 3
grounds 1
hand 1
handkerchief 2
Harlem 1
Herald 2
heavy 1
honest 3
honesty 1
house 5
houses 3
inch 2
inches 1
instrument 1
iron 1
just 1
justice 2
junction 1
kindergarten 1
knob 1

land 2
large 5
Lawrence 1
length 2
level 10
lines 2
little 1
long 18
lot 1

Madison 12
man 5
mark 1
marks 1
masonry 1
mathematics 2
meal 1
measure 5
measurement 2
measurements 1
metal 1
mile 2
monument 1

New York 1

object 2
oblong 32
obtuse 1
open 1
oval 5

paper 5
parallel 1
parallelogram 1
park 14
pavements 1
people 2
perfect 2
picture 1
Pillow 2
place 4
plane 1
plot 1
proportion 1
public 2
quadrangle 1

rectangle 15
rectangular 3
rhomboid 1
right 5
Rittenhouse 1
road 1
room 5
round 250
rule 9
ruler 3

saddle 1
seat 1
shape 6
sharp 2
side 1
sides 6
sidewalk 1
size 1
sizing 1
small 6
smooth 1
solid 2
space 1
stand 2
steel 1
straight 7
street 9
streets 1
sugar 1
surface 1
surveyor 1

table 47
thoroughfare 1
times 3
tool 13
tree 1
trees 4
triangle 11
true 1
uneven 1
uniform 1
Union 4
upright 2
village 8
Walk 1
walks 1
wall 1
Washington 4
wide 2
window 1
wood 5

yard 2

81. BUTTER

bad 2
bill 2
biscuit 2
bread 206
breakfast 1
butter 1
butterine 1

cheese 41
churn 4
color 1
composition 1
cooking 1
cottolene 1
country 1
cup 1
cow 29
cows 11
cream 34
dairy 4
dairying 1
diet 2
dinner 2
dish 5
dripping 1
eat 34
eatable 12
eatables 2
eating 6
edible 1
egg 2
eggs 11
emollient 1
excellent 1
farm 1
farmer 1
fat 21
fatty 1
fish 1
flour 1
fly 7
food 63
fresh 3
fudge 1
goat 2
good 14
grease 76
greasy 6
grocer 1
healthful 1
indifference 1
ingredients 1
jam 3
ejelly 2
kerosene 1
knife 7
lard 15
luxury 1

meal 1
meat 2
melt 1
melting 2
milk 101
molasses 1
mush 1

nourishment 1
nut 2

oil 9
oily 3
oleomargarine 5

peaches 1
plate 3
pleasant 1
plenty 1
pound 1
pure 1
rancid 2

salt 13
salty 3
salve 1
smear 1
smooth 1
soft 65
softness 2
sour 1
spoon 1
spread 3
square 1
strong 2
substance 1
sugar 4
supper 1
sweet 12

table 2
tallow 1
taste 2
tea 2
thin 1
tub 1
use 1

vegetable 3

yellow 80

82. DOCTOR

administer 1
aid 3
ailment 1
apparatus 1
attendant 2

bad 1
bag 1
beard 2
better 2
bill 3
bills 2
bottle 1
brains 1
brother 1
butcher 1
C. 1
C. 1
care 2
carriage 2
case 1
chief 1
clergyman 1
clever 1
college 1
convenient 1
cure 9

D. 1
D. 1
D. 1
dead 1
dentist 6
disease 5
diseases 1
Divinity 1
doctress 1
dog 1
driving 1
Dr. 1
druggist 2
education 2

fakir 2
false 3
father 2
friend 3

G. 1
G. 1
gentleman 1
good 17
goodness 1
great 1
grip 2

healer 5
healing 2
health 18
help 3
helper 1
helpful 1
helpfulness 1
home 1
hospital 8
mean 1
medical 19
medicine 149
medicines 1
merchant 1
minister 7
mister 1
money 1
murder 1

N. 1
N. 1
necessity 2
need 1
needed 1
needful 1
nice 1
nurse 41
nurses 1

O. 1
office 1
old 1
one 1
operation 1
sick 52
sickness 104
smart 3
student 1
suffering 1
supervisor 1
surgeon 5
surgical 1
syringe 1
tend 1
treatment 1
trouble 3
trust 1
useful 2
useless 1
W. 1
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
dead 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
shriil 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
whisper 2
whistle 17
wide 1
wind 3

eyell 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
caucion 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
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
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
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
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
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
recline 1
recuperation 1
refreshing 1
repose 9
respite 1
rest 132
resting 5
restful 1
robe 1
room 16

seat 1
sheet 6
sheets 7
shoes 1
sick 2
sickness 5
sleep 345
sleeping 41
sleepiness 3
sleepy 7
slumber 3
sofa 7
soft 31
spread 5
spring 1
springs 1
square 1
stove 1
structure 1
table 2
tick 1
time 1
tired 7
twilight 1

Vassar 1

want 1
warm 1
weariness 1
white 2
whiteness 1
wide 1
wood 4

88. HEAVY

air 1
animal 1
anvil 1
carrying 1

cement 1

chair 1

change 1

cloth 1

clothes 1

cloudy 1

coal 4

coarse 1

coat 1

comfort 1

cumbersome 1

dark 1

difficult 1

dirt 1

disappointment 1

discomfort 1

dope 1

drag 1

drill 1

drowsiness 1

drowsy 10

dull 3

effort 1

elephant 3
F. 1
fall 1
feel 1
firmness 1
full 1

gold 3
gorgeous 1
grief 1
grip 2

hammer 3
hard 38
head 2
heart 1
hearted 2
heft 1
help 1
horse 2
house 1

iron 70
irons 2
labor 1
laden 2
large 18
lead 60
lift 7
lifting 1
light 273
lightness 1
load 57
loadsome 1
loud 1

machine 1
man 4
marble 1
mountain 1
much 1
mud 1
muscle 1
myself 1

no 1

obliging 1
opposing 1
oppression 1
oppressive 1

package 1
pail 1
person 1
piano 1
ponderous 2
pound 1
pounds 1
pressure 2

quicksilver 1
quiet 2

rock 2
rough 1

safe 2
sand 1
satchel 1
scales 1
sharp 1
ship 1
short 1
sickness 1
sleep 3
sleeping 1
slothful 1
slumber 1
soft 5
soggy 1
solid 3
sound 1
steel 1
stone 17
stones 2
stout 2
stove 3
strain 1
strength 4
strong 3
study 1
suit 1

table 5
thick 3
things 1
thoughtful 1
tired 21
tiresome 2
ton 4
tough 1
trunk 3
uncomfortable 1
underwear 1

very 1

weak 1
weariness 3
weary 3
weather 1
weigh 1
weighing 1
weight 177
weighted 1
weighty 22
wood 4
work 2

89. TOBACCO

amber 1
anger 1

bad 10
bite 1
bitter 4
Bob 1
breath 1
brown 7

chew 28
chewing 13
cigar 19
cigars 17
cigarette 12
cigarettes 6
comfort 2
curse 1

death 1
decay 1
deviltry 1
dirty 6
disagreeable 3
disgust 1
disgusting 1
drug 3
Durham 1

elevate 1
enjoyed 1
enjoyment 1
decrable 1
exhilaration 1
evil 1

field 1
fields 1
filth 4
filthiness 1
filthy 1
food 1

garden 1
good 5
green 3
grower 1
growing 1

habit 12
habits 1
hard 1
herb 3
herbs 1
horrid 1
horrors 1
Indian 1
injurious 3
intoxicate 1

juice 7

leaf 17
leaves 2
light 1
liquor 1
lungs 1
luxury 2

man 3
men 1

narcotic 10
nasty 2
nausea 1
nicotine 18
none 1
not 1
nuisance 1

obnoxious 1
odor 3
odorous 1
opium 4

pipe 69
pipes 3
plant 38
plants 1
pleasant 3
pleasure 2
poison 6
poor 1
pouch 2
plug 1

refrain 1
ruin 1

scent 1
sensation 1
sin 1
smell 5
smoke 387
smoking 98
smoker 1
snuff 15
solace 1
spit 4
stalk 1
stars 1
stimulant 1
stimulants 1
strong 7
substance 1
suffocation 1
sugar 2
sweet 2
tasty 1
tobacco 1
unclean 1
unnecessary 2
unpleasant 2
unwholesome 1
use 2
used 1
useful 1
useless 2
vegetable 3
vice 1
Virginia 2
weed 44
weeds 1
whiff 1
whiskey 1
wickedness 1

yellow 1

90. BABY

animal 1

beautiful 5
beauty 2
beginning 1
being 3
bib 1
big 1
birth 1
blessing 1
blue 1
body 2
bonnet 1
born 2
bottle 6
boy 32
bread 1
buggy 1
bundle 1
cap 1
care 3
carriage 28
cart 2
child 239
children 3
childhood 1
chubby 1
clothes 4
comfort 3
cradle 22
creation 1
crib 1
crooning 1
cross 2
cries 3
cry 37
crying 29
cunning 3
cute 8
cuteness 1
darling 4
daughter 1
delicate 1
dirty 1
doll 1
dress 6

embryonic 1
eyes 1

fair 1
family 2
fat 5
father 1
feet 1
female 1
flesh 1
food 1
friend 1
future 1

girl 26
good 1
goodness 1
growth 1
happiness 1
happy 1
harmless 1
helpless 1
helplessness 4
home 4
human 3

infant 168
infinitesimal 1
innocence 10
innocent 4

joy 7
jump 1

kid 4

lamb 1
laugh 1
laughing 2
Lawrence 1
life 2
light 1
little 12
Lorenzo 1
love 9
loveliness 1
lovely 1

mama 2
man 4
mankind 1
Mary 1
milk 1
mother 41

name 1
nice 5
noise 6
noisy 1
nuisance 3
nurse 7

offspring 2

pacifier 1
paper 1
person 2
pink 2
play 1
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
dark 2
delicate 1
delightful 1
dim 1
distance 4
dreaming 1

earth 5
eclipse 3
equator 1
evening 6

fair 1
fire 2
firmament 1
full 10

girl 1
globe 1
glowing 1
grand 1
great 1
guard 1
half 3
heaven 2
heavens 3
high 4
illumination 1

lady 1
lake 1
large 9
light 231
love 3
loveliness 1
lovely 2
lunar 3

man 8
moonlight 3
mountain 1
mystery 1

necessary 1
new 3
night 66

object 1
ocean 1
one 1
orbit 1

pale 2
planet 23
planets 1
pleasant 1

quiet 1

reflection 1
rise 1
rises 1
rising 1
round 33

satellite 4
sea 2
see 1
seeing 1
sentimental 1
shine 26
shines 4
shining 12
shiny 12
silver 4
silvery 6
size 1
sky 73
solar 1
sound 1
splendid 1
spoon 2
spooning 1
star 32
stars 93
starlight 1
steamer 1
stone 1
struck 2
sun 120
sweet 1
turkey 1
valuable 1
wan 1
water 2
white 8
wish 1
yellow 11

92. SCISSORS

apart 1
article 4

barber 2
blade 1
blades 1
blunt 1

cloth 35
clothing 1
cord 1
crooked 1
crossed 2
cut 347
cutting 114
cutlery 1

dress 1
dressmaker 2
dressmaking 3
dull 6
edge 1

fate 1
firecrackers 1
flowers 1

garments 2
glistening 1
goods 5
grating 1
grind 7

handle 1
handy 1

implement 6
instrument 36
instruments 1

knife 66
knives 6

lever 1
linen 1
lost 1

machine 2
material 1
metal 1
millinery 1
mother 1

nails 1
necessity 1
needle 4
needles 4
nickle 1
nippers 1

paper 6
point 1
pointed 1

razor 1
ruching 1

Sarah 1
screw 1
severing 1
sew 2
swing 10
sharp 190
sharpness 6
sharpen 1
shears 40
shut 2
silver 1
skirt 1
spool 1
steel 23
string 1
tailor 2
thimble 3
thread 4
tongs 1
tool 10
tools 1
trousers 1
useful 1
usefulness 1
utensil 1
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
crunch 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

family

feeling

genteel

gentle

gentleman

girl

good

green

happy

harmless

harsh

heaven

home

hour

house

hospital

humble

joy

landscape
laughing 1
library 1
life 2
like 1
loneliness 1
lonely 3
lonesome 2
looks 1
lovely 1
loud 48
low 1

man 1
melancholy 1
mind 1
Miss K. 1
moon 1
mountains 1
music 1
myself 1

nature 1
nice 2
night 38
noise 50
noiseless 16
noisiness 1
noisy 113
nook 1

park 1
peace 12
peaceable 2
peaceful 52
peacefulness 4
people 2
person 11
place 4
pleasant 4
pleasure 3

quick 1
quite 2

rabbits 1
refined 1
relief 1
repose 6
reserved 1
rest 68
resting 4
restful 19
restless 2
room 6
rough 1

sad 1
sea 1
serene 1
sheep 1
sickness 1
silence 18
silent 15
sleep 24
sleeping 3
sleepy 1
slow 3
slowness 1
slumber 1
slumbers 1
smart 1
smooth 1
sober 1
soft 10
softly 1
softness 1
solemn 3
solitude 2
soothing 3
sound 4
soundless 2
speechless 1
state 1
steady 2
still 136
stillness 16
study 2
stupid 1
subdued 1
summer 1
Sunday 1
sweet 2
talk 2
time 1
times 1
timid 1
tomb 1
tranquil 1
tree 1
twilight 1

village 1
violent 1
voice 1
walk 1
water 1
well 1
Wilton 1
wish 1
wood 1
woods 10

94. GREEN

apple 8

beautiful 2
bird 1
black 13
bloomy 1
blotter 2
blue 46
book 1
bright 5
brown 8
butterfly 1

cabbage 1
calm 1
carpet 1
cheese 1
cloth 3
color 200
colors 1
comfort 1
corn 1
country 1
covetous 1
cucumber 2
curtain 1
dark 8
Dartmouth 1
definite 1
dress 6
earth 2
envy 3
Erin 1
eyes 4
farmer 1
favorite 1
field 12
fields 10
flag 3
flower 4
flowers 2
foliage 2
food 1
foolishness 1
forest 1
fresh 3
fruit 1

gay 1
glasses 1
gold 1
grand 1
grapes 1
grass 284
gray 5
grew 1
grief 1

ground 1

hat 1
hill 1
horn 2
horrid 1
hue 1
Ireland 6
Irish 14

jealousy 1

landscape 1
laurel 1
lawn 5
leaf 8
leaves 13
light 4

meadow 1
meadows 1
mountain 2

name 1
nature 4

ocean 1
olive 1
orange 2

paint 3
paper 2
peaceful 1
peas 2
pink 11
plant 6
plants 1
pleasant 2
pleasing 1
pretty 4
purple 6

quiet 2

red 42
restful 6
ribbon 2
ripe 2

sea 2
shade 4
shamrock 2
shutters 1
sight 1
silk 1
sky 1
slow 1
small 1
soft 1
sour 2
spinach 1
spring 9
stain 1
summer 1

tea 1
tree 10
trees 29

unripe 1

vegetable 1
vegetables 1
verdant 3
verdure 1

warning 1
wearing 1
white 31
wood 1
woods 2

yellow 54
young 1

95. SALT

acrid 1
air 3
apple 1
apples 2
article 1

barre 1
barren 1
bath 1
beef 1
bitter 40
bowl 1
box 1
bread 2
brine 2
bromide 1
butter 7

celery 2
cellar 9
chemical 2
codfish 1
condiment 2
cook 1
cooking 2
cows 1
cream 1
deposit 1
digestible 1
dinner 3
dirt 1
disagreeable 1
dish 1
drink 1
dry 2
everth 5
eat 17
eatable 7
eating 8
eggs 2
epileptics 1

finish 1
fish 4
flavor 21
flavoring 3
food 46
France 1
fresh 11
glass 1
good 9
halite 1
ham 1
hard 4
horrid 1
ice-cream 1
ingredient 1
Kenilworth 1
kitchen 1
Lake 1
life 1
lot 1
mackerel 4
marsh 1
meat 18
meats 1
medicinal 1
melt 1
mine 2
mines 3
mineral 37
mustard 1

NaCl 1
necessary 5
necessity 3
needed 1
needful 1
nice 1

ocean 36

pantry 1
paper 1
pasture 1
pepper 142
petre 1
physic 1
pickles 1
pork 5
potassium 1
potato 2
potatoes 4
powder 1
preparation 1
preservation 2
preservatives 1
preserving 1

quotation 1

refreshing 1
relish 4
rock 7
rocks 1

saline 1
saltpetre 1
salty 3
sandwiches 1
Saratoga 1
saving 1
savor 10
savory 1
sea 18
season 12
seasoning 31
shake 2
shaker 4
sharp 8
sheep 1
smart 1
snapping 1
sodium 1
soup 2
sour 18
spice 5
spill 1
stickiness 1
sugar 88
sweet 27
Syracuse 1
table 14
tart 2
taste 87
tasting 1
tasteful 2		
tasty 6
tasteless 1		
temper 1
thirst 4
thirsty 2
trees 1
use 7
useful 2
uses 1
using 1

vegetable 5
vegetables 1
victuals 1
vinegar 1

water 34
wet 2
white 36

96. STREET

air 1
alley 18
asphalt 6
automobiles 1
avenue 63
avenues 1

better 1
cross 1
crowd 3
crowded 1
dark 1
Devon 1
direct 1
directions 1
dirt 4
dirty 5
distance 1
drive 1
driving 1
driveway 2
dry 1
dust 4
dusty 5
dwellings 1

earth 1
Eighty-sixth 1
Eleventh 1
Elm 1
even 1

fertile 1
passageway 1
passway 2
path 12
pathway 2
pave 1
paved 13
pavement 25
paving 1
pebble 1
pecan 1
people 22
place 16
Pleasant 2
Pleasure 1
pretty 2

racket 1
residence 1
road 91
roads 4
roadway 2

see 1
shopping 1
short 3
sidewalk 26
sidewalks 2
Sixty-seventh 1
Sixty-third 2
smooth 2
space 1
square 4
stone 8
stones 8
straight 17
sun 1
sweep 1
tenements 1
terrace 1
thoroughfare 23
town 26
tracks 1
traffic 7
travel 8
tree 1
trees 1
trolley 2
turmoil 1
vehicles 1
village 9
card 1
cards 1
card 1
chess 2
chief 1
command 3
commanding 1
commander 9
conqueror 2
country 13
court 1
courtier 1
crown 63
crowned 2
daughter 1
diamonds 1
dignity 1
dislike 1
dog 1
duke 1
Edward 30
emperor 11
empire 3
England 20
ermine 1
master 3
mean 1
Midas 1
monarch 49
monarchy 4

nation 1
nobility 1
noble 3
nobleman 2
none 1

officer 1
old 1

palace 2
person 6
picture 1
pompous 2
Power 18
powerful 4
president 4
princess 1
Prussia 1

queen 354
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
moon 2
mould 1
mouldy 1
mouse 13
mustard 2
	nice 1
nourishment 1
nutrition 1
	onder 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
taste 8

tasty 1

thin 1

vegetable 5

vegetables 1

wafers 1

white 3

worms 1

yellow 32

99. BLOSSOM

apple 50

apples 4

art 1

beautiful 10

beauty 9

beginning 1

berries 1
bloom 28
blooming 7
blow 1
book 1
bright 4
bud 23
buds 3
bursting 1
bush 1
bushes 2
buttercups 1

cherries 5
cherry 4
clematis 1
clover 1
color 5
colors 1
country 1

dainty 1
daisy 2
delicate 1

eat 1
lilacs 2
lily 1

magnificent 1
May 2
mimosa 1

nice 1

odor 2
orange 2
orchard 2

pansies 1
pansy 1
peacefulness 1
peach 4
petal 1
petals 1
picking 1
pink 7
plant 13
pleasure 1
plum 1
pour 1
pretty 15
red 3
rose 17
roses 4

scent 1
seeds 1
shrubberies 1
small 1
smell 2
soft 1
spring 23
sprout 1
stem 1
summer 4
sun 1
sweet 15

T. 1
tree 40
trees 17

vine 1
violet 3
weeds 1
white 8

yellow 2
youth 1

100. AFRAID

accidents 1
action 1
alarm 2
always 2
anger 3
angry 2
animal 2
animals 2
anxiety 1
automobile 2
awful 1

backwardness 1
bad 2
bashful 2
battle 1
bears 1
blow 1
bold 2
boy 1
brave 18
bravery 1
brother 1
burglar 3
burglars 2
careful 1
cat 2
cheerfulness 1
child 8
children 1
cold 1
comfort 1
comforted 1
company 1
confidence 1
conscience 1
courage 11
courageous 5
cow 1
cows 1
coward 53
cowardice 5
cowardly 3
crowd 1
crying 1

danger 15
dangerous 2
dare 1
dark 114
darkness 16
death 2
deep 1
depressed 1
desire 1
dislike 1
do 1
dog 1
dogs 1
don't 1
doubt 1
dread 7
dreading 1
dreadful 1
dream 1

emotion 2

faith 2

fear 197
fearful 8
fearless 8
feeling 2
fierce 1
forward 1
fright 9
frighten 2
frightened 48
frightful 1
frog 1
gallant 1
ghost 4
ghosts 2
girl 1
go 4
goblins 1
God 1
guilty 1
happy 1
harm 2
heart 1
heroism 1
hide 1
home 1
hope 1
horse 1
hurt 1

insect 1

joy 1
joyful 1

licked 1
lightning 1
lion 3
loneliness 1
lonely 3
lonesome 5
loss 1

man 3
manner 1
memory 1
mild 1
Miss K. 1
mice 1
mouse 2

need 1
retreat 1
riot 1
robbers 2
rocks 1
run 4
running 1

scare 1
scared 106
scary 1
scream 1
sensitive 1
shiver 1
shrinking 2
shudder 1
shy 2
sickness 1
sleep 1
soldier 1
somebody 1
sore 1
sorrow 2
sorry 1
spirit 1
spiritual 1
startled 1
startling 1
stay 1
stillness 1
strong 1
suddenness 1
suffering 1
sure 1
tempted 1
terrified 1
terror 9
thief 3
thought 1
threaten 1
thunder 1
timid 55
timidity 2
to-night 1
tremble 2
trouble 1
trust 1

unable 1
uncertain 1
uneasy 5
unhappiness 1
unknown 1
unprotected 1
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.
12. MUTTON

Any article of food; any meal.

Any animal, or class or group of animals, whose meat is used for human consumption as food.

Any article of table linen, china, silver; any cooking utensil.

Word designating any person engaged in the preparation of meats for consumption.

Word denoting any process employed in the preparation of meats for consumption.

13. COMFORT

Any agreeable or disagreeable subjective state.
Any object, act, or condition that contributes to comfort or produces discomfort.

14. HAND

Any simple function of the hand; work requiring special manipulation.

Word denoting skill or any degree of skill.

Any part or any tissue of the body.

15. SHORT

Any word involving the concept of duration.

Common or proper name of any person.

Any word denoting shape, relative or absolute dimension, or distance.

Any object in which characteristically one dimension exceeds any other.
16. FRUIT

Any article of food; any meal.

Any process employed in the cultivation of fruits or in their preparation for consumption.

Word designating any person engaged in the cultivation of fruits or in their preparation for consumption.

Any article of table linen, china, or silver.

17. BUTTERFLY

Any bird, worm, or insect

Any flower.

Any color.

18. SMOOTH
Any object possessing a smooth surface as a characteristic feature.

Any fabric.

19. COMMAND

Word denoting any means of influence of one mind upon another intended to produce acquiescence.

Word denoting or implying acquiescence or lack of it.

Term applied to any commanding officer or to any person in authority.

20. CHAIR

Any article of furniture.

Any room or apartment

21. SWEET

Any substance having a sweet taste.
Common or proper name of a child' or woman.

22. WHISTLE

Any instrument or any animal producing a shrill musical sound.

33. WOMAN

Word denoting or implying age of a person.

Any of the well-known female sexual characteristics.

Occupation or profession more or less peculiarly feminine.

Word pertaining to familial relationships or domestic organization.

Word pertaining to sexual relationships; any word denoting the opposite sex.

Name of any female person.

Any article of female apparel.
24. COLD

Name of any location characterized by low temperature.

Any illness or symptom which may be caused by exposure to cold.

Any division of the annual cycle.

Any food that is always or often served cold.

Any means or measure of protection against cold.

Any state of the natural elements causing a sensation of cold.

Word denoting subjective characterization of or reaction to cold.

25. SLOW

Any means or manner of locomotion.

Any word involving the concept of rate of progress with reference
either to time or to intensity of action.

Common or proper name of any person.

26. WISH

Word implying fulfillment of a wish either by achievement or through acquiescence.

Word implying non-fulfillment of a wish.

Word denoting any state of longing or anticipation.

Word denoting any state free from longing or anticipation.

Word denoting a prayer or request.

Word denoting a state of happiness.

27. RIVER

Any body of water.
Any part of a river.

Any plant or animal living in rivers.

Any term of physical geography.

Any vessel or contrivance for navigation.

28. WHITE

Any object or substance that is always or often white or very light in color.

Any color.

Any word clearly related to the word White used as a proper name.

29. BEAUTIFUL

Any word denoting aesthetic pleasure.

Name or any female person.
Any product of the fine arts or of decorative handicraft.

Any decorative plant or flower.

Any article of attire.

Natural scenery.

Any division of the diurnal cycle.

30. WINDOW

Any word pertaining to illumination.

Word pertaining to movements of air.

Any attachment to a window for the control of transmission of light or air.

Any building or apartment
31. ROUGH

Any object or substance which is characteristically rough to the touch.

Word denoting or implying irregularity of surface.

Any skin lesion which may impart to the skin the quality of roughness.

Any word implying carelessness, lack of consideration, or crudeness; any word used to designate action or conduct which may be characterized as careless, inconsiderate, or crude.

32. CITIZEN

Any word pertaining to political organization, or to factors either favorable or unfavorable to it.

Any term or proper name of political geography.

Common or proper name of any male person.

33. FOOT
Any means or manner of locomotion involving the use of the feet.

Any part or any tissue of the animal body.

Any article of foot-wear.

Any way constructed or used for walking.

Any unit of linear measure.

34. SPIDER

Word employed to designate subjective characterization of or reaction to an object of dislike.

Any insect.

Word pertaining to the characteristic habits of spiders, with reference either to location and construction of nest, or to manner of catching prey.

35. NEEDLE
Any material used in making clothes.

Any special sewing operation; any occupation in which sewing constitutes part of the work.

Any special kind of needles.

Any instrument which is used in connection with a needle in any operation, or of which a needle forms a part.

36. RED

Word which may be used to express subjective characterization of the red color.

Any object or substance which is always or often red in color.

Anything which is by convention or common usage connected with the red color.

Any organ, tissue, or lesion, exposed to view, which may have a red color imparted to it by the blood or by physiological pigment.
Any color or coloring material.

Any word implying light through incandescence.

37. SLEEP

Word denoting somnolence or a state of lowered consciousness; anything which is a cause of somnolence or of lowered consciousness; anything which induces a desire to sleep.

Word denoting a state of active consciousness or a transition from lowered to more active consciousness.

Any division of the diurnal cycle.

Any word more or less commonly used to characterize sleep in any way.

Any article of bedding, bed-linen, or night-clothes.

Any article of furniture used for sitting or lying.

38. ANGER
Any affective state; any common demonstration of emotion.

Any common cause or provocation of anger.

Action or conduct caused by anger; word used to characterize such action or conduct.

39. CARPET

Any material of which carpets are made.

Any article of house furniture, hangings, or decorations.

Word denoting home, house, or any part of a house.

Word pertaining to the manufacture or care of carpets, or denoting a person engaged in the manufacture, sale, or care of carpets.

Any country especially noted for the manufacture of carpets or rugs.

Any color.
40. GIRL

Word denoting or implying age of a person.

Any of the well-known female sexual characteristics.

Occupation or profession more or less peculiarly feminine.

Word pertaining to familial relationships or domestic organization.

Word pertaining to sexual relationships; any word denoting the opposite sex.

Name of any female person.

Any part of a person's body.

Any article of female apparel.

41. HIGH

Any word denoting or implying skill, training, achievement, or
position.

Any word denoting or implying valuation.

Any architectural structure.

Any object of which the vertical dimension characteristically exceeds any other.

Any act of progress from a lower to a higher level.

Name of any mountain or mountain range.

Anything characteristically situated at a high level.

Anything characteristically variable in height.

42. WORKING

Any occupation, profession, art, or labor.

Direct results or consequences of work.
Any place of employment.

Rest, recreation, inaction, or disinclination to work.

Word denoting energy, material, capital, equipment.

43. SOUR

Any substance or object which is always or often sour in taste.

Any word denoting a taste or flavor quality.

44. EARTH

Any substance which enters into the composition of soil.

Word pertaining to the utilization or cultivation of natural resources; any product of agriculture.

Any term of physical geography, geology, mineralogy, meteorology, or astronomy.
45. TROUBLE

Any affective state.

Any general cause of active emotional states.

Any common manifestation of emotion.

Word denoting or implying defeat.

Word denoting or implying caution or lack of it.

Any task.

46. SOLDIER

Word pertaining to military organization.

Word pertaining to any military operation.

Word pertaining to military discipline or to military decoration.
Any article of military or naval equipment or attire.

Common or proper name of any male person.

Name of any country.

Word pertaining to political organization.

47. CABBAGE

Any article of food; any meal.

Any article of table linen, china, silver; any cooking utensil.

Any process of cooking.

Word used to designate any person engaged in the cultivation of cabbages or in their preparation for consumption.

48. HARD

Any solid article of food.
Word denoting or implying impact.

Any task or labor.

Any substance which is hard or unyielding.

Any agency or process by which a substance is solidified or hardened.

Any article of furniture used for sitting or lying.

Any trait of disposition characterized by lack of readiness to yield or lack of consideration for others.

49. EAGLE

Any bird.

Any piece of currency.

Anything in connection with which the word eagle is used in a symbolic sense.
50. STOMACH

Any anatomical organ or region.

Any article of food; any meal.

Word pertaining to ingestion and assimilation of food.

Term denoting health or disease; any medicament.

51. STEM

Any object which has a stem.

Any part of a plant.

Any object which is long, slender, and more or less rigid.

52. LAMP

Any means or source of illumination.
Word denoting or implying illumination.

53. DREAM

Any product of imagination.

Any psychical phenomenon; any part of the psychical organ.

Word denoting or implying unreality or uselessness.

Word denoting or implying mystery or occultism.

Any division of the diurnal cycle.

Any article of bedding, bed-linen or night-clothes.

Any article of furniture used for sitting or lying.

Any narcotic substance.

54. YELLOW
Word which may be used to denote subjective characterization of the yellow color.

Any object or substance which is always or often yellow in color.

Any color or coloring material.

55. BREAD

Any article of food; any meal

Any article of table linen, china, or silver; any cooking utensil.

Any private or public eating place.

Word pertaining to ingestion and assimilation of food.

Any ceremony in connection with which bread is used.

56. JUSTICE

Any word implying crime or tendency to crime, legal trial, retribution
or lack of it, or repentance.

Any officer of the law.

Word pertaining to judiciary organization.

Word denoting any kind of ethical relationship.

Any deity.

The name of any justice or judge.

Any function of a judicial authority.

Any word denoting or implying equality.

57. BOY

Word denoting or implying age of a person.

Word pertaining to familial relationships or domestic organization.
Word pertaining to sexual relationships; any word denoting the opposite sex.

Common or proper name of any male person.

Any part of a person's body.

Any article of male apparel.

Any common boys toy or game.

Word pertaining to educational organization.

58. LIGHT

Any source, apparatus, or means of illumination.

Any color or coloring material.

Word implying light through incandescence.

Any term of optics; any optical phenomenon.
Any object or substance which is characteristically light in weight.

59. HEALTH

Any emotion; any common manifestation of emotion.

Any disease or symptom.

Word pertaining to prevention or treatment of disease.

Word pertaining to any normal bodily function.

Word pertaining to the preservation of health.

Word denoting or implying a state of health.

Any athletic sport or form of exercise.

Any anatomical organ or region.

60. BIBLE
Name of any personage mentioned in the Bible.

Any religion or religious denomination.

Any name or attribute employed in reference to the Deity.

Any article or act of religious ritual.

Word denoting or implying belief, disbelief, or doubt.

Any term of theology.

61. MEMORY

Word pertaining to operations, faculties, endowment, training, or condition of the mind.

Word denoting any degree of accuracy.

Word denoting the cranium; any part of the psychical organ.

Word pertaining to the past.
Any word implying transiency.

Any subject of study involving the exercise of memory.

Any method or means for the reinforcement of memory.

Any of the senses.

Word denoting retention.

62. SHEEP

Any animal raised or hunted for clothing material, for food, or for its services as a beast of burden.

Any product manufactured from the skin or wool of sheep.

Any of the more or less distinctive characteristics of sheep.

Any food product derived from sheep.

63. BATH
Word denoting or implying an effect of bathing on the body.

Any body of water.

Any kind of bath; any part of bath, lavatory, or toilet equipment.

Any material of which a bathing equipment is largely made.

Word denoting a state of partial or complete undress.

Any beach or bathing resort.

Any aquatic feat of gymnastics.

64. COTTAGE

Word pertaining to landscape gardening.

Any place of cottage location.

Any part of a house; any color.
Any material used in the construction of a cottage.

Any laborer or mechanic having to do with the construction of a cottage.

Any part of the process of construction of a cottage.

Any commercial term pertaining to ownership, taxes, mortgages, sale, renting, or occupancy of a cottage.

Any article of furniture.

65. SWIFT

Any means or manner of locomotion.

Word denoting or implying motion or rate of motion.

Any animal or familiar object characterized by rapid locomotion.

Any word clearly related to the word Swift used as a proper name.
66. BLUE

Word which may be used to express subjective characterization of the blue color.

Any object or substance which is always or often blue in color.

Anything which is by convention or common usage connected with the blue color.

Any organ, tissue, or lesion, exposed to view, which may have a blue color imparted to it by the blood or by physiological pigment.

Any color or coloring material.

67. HUNGRY

Any animal.

Any article of food; any meal.

Word denoting taste or flavor.
Word denoting or implying privation or torture.

Any article of table linen, china, or silver.

Any private or public eating place.

Any organ of digestion; any function of nutrition.

Word designating any person engaged in the preparation or sale of foods.

68. PRIEST

Any religion or denomination.

Any article or act of religious ritual.

Any term of theology.

Word denoting or implying sanctity.

Word denoting or implying belief, disbelief, or doubt.
Word pertaining to church organization.

Proper name of any priest.

Any article of clerical attire.

Any profession more or less peculiarly masculine.

69. OCEAN

Any body of water.

Any plant or animal living in the ocean.

Any term of physical geography.

Any vessel or contrivance for navigation.

Word pertaining to navigation; any nautical term.

Common or proper name of any place bordering on the ocean.
Any aquatic feat of gymnastics.

70. HEAD

Any organization which has a person occupying the highest office.

Word denoting or implying the highest office of any organization.

Any intellectual faculty, quality, or operation.

Any part of the head.

Any pathological condition affecting the head.

71. STOVE

Any part of a stove.

Any kitchen utensil.

Any artificial heating apparatus; any fuel.
Any manner of cooking; any person engaged in cooking food.

Any article of household furniture.

72. LONG

Any word involving the concept of duration.

Word denoting shape, relative or absolute dimension, or distance.

Any object in which characteristically one dimension exceeds any other.

73. RELIGION

Any religion or denomination; the name of any race or nation.

Any term of theology.

Any branch of metaphysical philosophy.
74. WHISKEY

Any beverage; the name of any brand of whiskey.

Any material of which whiskey is made.

Word denoting taste or flavor.

Any occasion or ceremony commonly associated with the use of alcoholic beverages.

Word denoting a state of lowered consciousness.

Any physiological or pathological effect of alcohol; also any well known, indirect effect.

75. CHILD

Word denoting or implying age of a person.

Word pertaining to familial relationships or domestic organization.

Name of any person.
Any part of a person's body.

Any article of a child's apparel.

Any common child's toy or game.

Word pertaining to educational organization.

Any word descriptive of the natural physical or mental make-up of a child, or of the rate or degree of physical or mental development.

Word pertaining to any custom or ceremony connected with the birth or rearing of children.

Any term of obstetrics.

Any word clearly related to the word Child used as a proper name.

76. BITTER

Any substance having a bitter, sour, sweet, or salt taste, or a complex taste quality which may be characterized as strong.
Word denoting a taste or flavor quality.

Any organ of taste.

Any word in connection with which the word bitter may be used in the sense of poignant.

77. HAMMER

Any tool or weapon.

Any trade involving the use of a hammer.

78. THIRSTY

Any beverage.

Any animal.

Word denoting taste or taste quality.
Any part of the upper end of the digestive tract.

Any drinking place; any container of a beverage.

Any fruit; any dessert.

Any food ingredient commonly known to excite thirst.

79. CITY

Name of any division of political geography.

Any architectural structure.

Any part of a city.

Word pertaining to the political organization of a city.

80. SQUARE

The name of any city.
The name of any square in a city or town.

Any geometrical figure or part of one.

Any object that is always or often square in shape.

Any device used in the arts for measuring angles, arcs, or distances between points.

Any part of a carpenter's or draughtsman's square.

Any trade involving the use of the square.

81. BUTTER

Any article of food; any meal.

Any article of table linen, china, or silver; any cooking utensil.

Any process of cooking.

82. DOCTOR
The name of any physician.

Any medical specialty 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.