

## **The Morison Lectures, 1907 / by A. R. Urquhart.**

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THE MORISON LECTURES, 1907.

By A. R. URQUHART, M.D., F.R.C.P.Ed.,  
*James Murray's Royal Asylum, Perth.*

*A. R. Urquhart*

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# THE MORISON LECTURES, 1907.

By A. R. URQUHART, M.D., F.R.C.P.Ed.,  
*James Murray's Royal Asylum, Perth.*

## TABLES.

- I. A General Statement of Admissions and Removals, with Percentages, 1880-1904 inclusive. Certified Patients.
- II. A Statement of Insane and Neuropathic Heredity recorded in reference to 809 persons. Certified Patients.
- III. A Statement of the Distribution of Neuropathic Disorders among the Relatives of 623 Persons. Certified and Voluntary Patients.
- IV. Chart of the Children of Neuropathic Parents. Certified and Voluntary Patients.
- V. Chart of the Incidence of Insanity in Neuropathic Families. Certified and Voluntary Patients. VA. Families containing at least one Insane Member.
- VI. Showing the Numbers of Patients affected by Mental Disorders on First Attack, Pathological and Ordinary Forms, correlated with Causal Factors and Age Periods, from inception to final information, 1906. Certified Patients.
- VII. Showing Conditions associated with Insanity on First Admissions, Pathological and Ordinary Forms correlated. Certified Patients.
- VIII. Showing Occupation and Environment in relation to Ordinary and Pathological Insanity, correlated with Heredity and Stress and Results of Treatment. Certified Patients. Asylum Statistics.
- IX., IXA., and IXB. Charts of all Admissions, Recoveries, and Deaths, showing Monthly Incidence, also of Mania and Melancholia. Certified Patients.
- X. Showing Duration of Attack on Admission, correlated with Heredity and Results, Age Periods and Results. Ordinary Insanity only. Certified Patients. Asylum Statistics.
- XI., XIA., XIB., and XIC. Charts of Age on First Attack, by Quinquennial Periods—Males, Females, and Total. Certified Patients. Age on First Recovery, First Relapse, and Death, by Quinquennial Periods—Males, Females and Total. Certified Patients. Showing Age on Death of Patients under Observation, compared with Tables of the Institute of Actuaries. A statement of these in figures.
- XII. Asylum Statistics of Net Recoveries. Certified Patients.
- XIII. Showing Recoveries after First Admission, correlated with Neuropathic Heredity, Age Periods and Duration since First Attack, with Note of Relapses. Certified Patients. XIII A. Relapsed Cases.
- XIV. Showing Causes of Death correlated with Neuropathic Heredity and Forms of Mental Disorder on Admission. All Deaths in Certified Patients. Asylum Statistics.
- XV. Showing Ages at Death, with Duration of Fatal Malady and Duration of Mental Disorder from First Attack. All Deaths in Certified Patients. Asylum Statistics.
- XVI. Showing Correlations of Bodily and Mental Disorders.
- XVII. Showing incidence of Heredity among Alcoholic Patients.



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JAMES MURRAY'S ROYAL ASYLUM, PERTH.

TABLE I.—*A General Statement of Admissions and Removals, regarding Admissions, Readmissions, and Totals; with Percentages during the Period under Review, 1880-1904 inclusive.*

| FIRST ADMISSIONS.                    |       |       | READMISSIONS.              |       |       | TOTAL CASES UNDER CARE.    |       |       |
|--------------------------------------|-------|-------|----------------------------|-------|-------|----------------------------|-------|-------|
| M.                                   | F.    | T.    | M.                         | F.    | T.    | M.                         | F.    | T.    |
| Persons admitted for the First Time. |       |       | Readmitted . . .           |       |       | Total Cases admitted . .   |       |       |
| 120                                  | 132   | 252   | 23                         | 38    | 61    | 143                        | 170   | 313   |
| Of these { Recovered . . .           |       |       | Of these { Recovered . . . |       |       | Of these { Recovered . . . |       |       |
| 163                                  | 152   | 315   | 25                         | 30    | 55    | 188                        | 182   | 370   |
| 86                                   | 54    | 140   | 9                          | 15    | 24    | 95                         | 69    | 164   |
| Died . . .                           |       |       | Died . . .                 |       |       | Died . . .                 |       |       |
| 86                                   | 54    | 140   | 9                          | 15    | 24    | 95                         | 69    | 164   |
| Remaining . . .                      |       |       | Remaining . . .            |       |       | Remaining . . .            |       |       |
| 50                                   | 52    | 102   | 19                         | 14    | 33    | 69                         | 66    | 135   |
| Of the above—                        |       |       | Of the above—              |       |       | Of the above—              |       |       |
| M.                                   | F.    | T.    | M.                         | F.    | T.    | M.                         | F.    | T.    |
| Percentage Recovered . .             | 23.63 | 33.84 | Percentage Recovered . .   | 30.26 | 39.17 | Percentage Recovered . .   | 28.80 | 34.90 |
| Unrecovered . . .                    | 38.90 | 38.97 | Unrecovered . . .          | 32.89 | 30.92 | Unrecovered . . .          | 37.97 | 37.30 |
| Died . . .                           | 20.52 | 13.84 | Died . . .                 | 11.84 | 15.46 | Died . . .                 | 19.19 | 14.16 |
| Remaining . . .                      | 11.93 | 13.33 | Remaining . . .            | 25.00 | 14.43 | Remaining . . .            | 13.93 | 13.74 |

Percentage of Readmissions on Total Numbers admitted—Males, 15.35; Females, 19.91; Total, 17.61.



TABLE II.—*A Statement of Insane and Neuropathic Heredity recorded in reference to 809 Persons—  
1884–1904 inclusive.*

|                       | Total Admitted. |     |     | No Heredity of Insanity. |     |     | Heredity of Insanity. |     |     | Heredity of Insanity, etc. |     |     | Percentage of Hereditary Insanity. |       |       | Percentage of Heredity of Insanity, etc. |       |       |
|-----------------------|-----------------|-----|-----|--------------------------|-----|-----|-----------------------|-----|-----|----------------------------|-----|-----|------------------------------------|-------|-------|------------------------------------------|-------|-------|
|                       | M.              | F.  | T.  | M.                       | F.  | T.  | M.                    | F.  | T.  | M.                         | F.  | T.  | M.                                 | F.    | T.    | M.                                       | F.    | T.    |
| Period I. ending 1884 | 99              | 100 | 199 | 58                       | 56  | 114 | 41                    | 44  | 85  | 59                         | 59  | 118 | 41·41                              | 44·00 | 42·71 | 59·59                                    | 59·00 | 59·29 |
| Period II. „ 1894     | 139             | 130 | 269 | 77                       | 75  | 152 | 62                    | 55  | 117 | 101                        | 83  | 184 | 44·60                              | 42·30 | 43·49 | 72·66                                    | 63·84 | 68·40 |
| Period III. „ 1904    | 181             | 160 | 341 | 102                      | 73  | 175 | 79                    | 87  | 166 | 145                        | 134 | 279 | 43·64                              | 54·37 | 48·68 | 80·11                                    | 83·75 | 81·81 |
| Total .               | 419             | 390 | 809 | 237                      | 204 | 441 | 182                   | 186 | 368 | 305                        | 276 | 581 | 43·43                              | 47·69 | 45·48 | 72·79                                    | 70·76 | 71·81 |



TABLE III.—Showing Neuropathic Relatives affected, Direct and Collateral (including Voluntary Patients).  
Total Cases, 1104. Persons recorded: Males, 331; Females, 292; Total, 623.

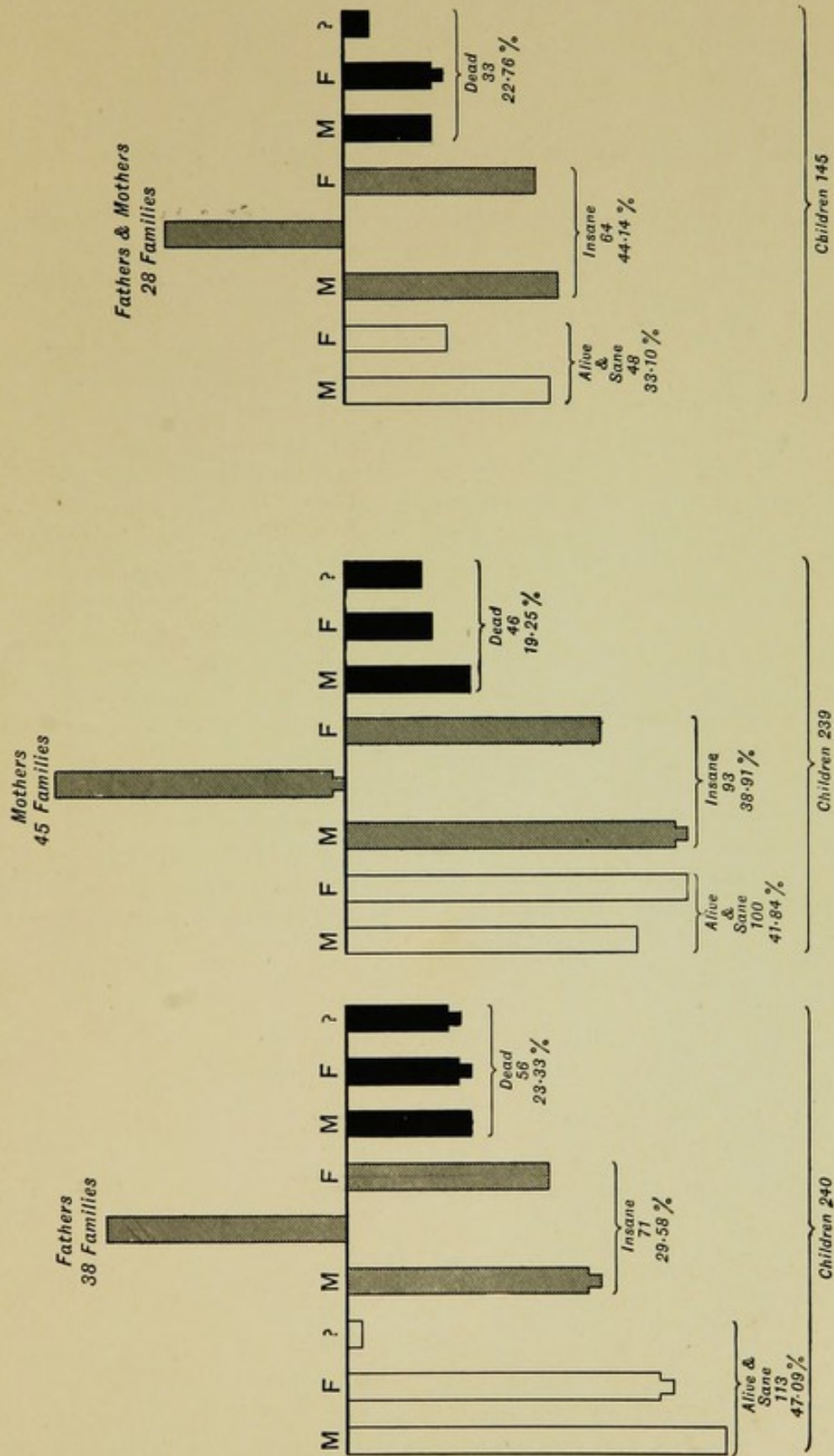
| INSANE RELATIONS. |       |     |     |     |         |    |     |     |     | ECCENTRICITY AND NEUROSES. |     |     |     |     |         |     |     |     |     |
|-------------------|-------|-----|-----|-----|---------|----|-----|-----|-----|----------------------------|-----|-----|-----|-----|---------|-----|-----|-----|-----|
|                   |       |     |     |     | Direct. |    |     |     |     | Collateral.                |     |     |     |     | Totals. |     |     |     |     |
|                   |       |     |     |     | M.      | F. | T.  | M.  | F.  | T.                         | M.  | F.  | T.  | M.  | F.      | T.  | M.  | F.  | T.  |
| Group 1           | Coll. | M.  | F.  | T.  | 36      | 31 | 67  | 2   | 2   | 4                          | 20  | 16  | 36  | 22  | 19      | 4   | 34  | 29  | 63  |
|                   | F. F. | 2   | 2   | 4   |         |    |     |     |     |                            |     |     |     |     |         |     |     |     |     |
|                   | F. M. | 2   | 4   | 6   |         |    |     |     |     |                            |     |     |     |     |         |     |     |     |     |
|                   | F. S. | 30  | 24  | 54  |         |    |     |     |     |                            |     |     |     |     |         |     |     |     |     |
| Group 2           | Coll. | 15  | 11  | 26  | 36      | 31 | 67  | 2   | 2   | 4                          | 31  | 13  | 44  | 36  | 16      | 52  | 36  | 16  | 52  |
|                   | F. F. | 12  | 10  | 22  |         |    |     |     |     |                            |     |     |     |     |         |     |     |     |     |
|                   | F. M. | 2   | 1   | 3   |         |    |     |     |     |                            |     |     |     |     |         |     |     |     |     |
|                   | F. S. | 4   | 1   | 5   |         |    |     |     |     |                            |     |     |     |     |         |     |     |     |     |
| Group 3           | Coll. | 28  | 38  | 66  | 36      | 31 | 67  | 2   | 2   | 4                          | 31  | 13  | 44  | 36  | 16      | 52  | 36  | 16  | 52  |
|                   | F. F. | 9   | 12  | 21  |         |    |     |     |     |                            |     |     |     |     |         |     |     |     |     |
|                   | F. M. | 15  | 12  | 27  |         |    |     |     |     |                            |     |     |     |     |         |     |     |     |     |
|                   | F. S. | 49  | 51  | 100 |         |    |     |     |     |                            |     |     |     |     |         |     |     |     |     |
| Group 4           | Coll. | 39  | 71  | 110 | 36      | 31 | 67  | 2   | 2   | 4                          | 31  | 13  | 44  | 36  | 16      | 52  | 36  | 16  | 52  |
|                   | F. F. | 5   | 1   | 6   |         |    |     |     |     |                            |     |     |     |     |         |     |     |     |     |
|                   | F. M. | 127 | 112 | 239 |         |    |     |     |     |                            |     |     |     |     |         |     |     |     |     |
|                   | F. S. | 346 | 356 | 702 |         |    |     |     |     |                            |     |     |     |     |         |     |     |     |     |
| Total             |       |     |     |     | 76      | 74 | 150 | 270 | 282 | 352                        | 346 | 356 | 702 | 346 | 356     | 702 | 346 | 356 | 702 |

| PARALYSIS. |       |    |    |    |         |    |     |    |    | ALCOHOLISM. |    |    |    |    |         |     |    |    |     |
|------------|-------|----|----|----|---------|----|-----|----|----|-------------|----|----|----|----|---------|-----|----|----|-----|
|            |       |    |    |    | Direct. |    |     |    |    | Collateral. |    |    |    |    | Totals. |     |    |    |     |
|            |       |    |    |    | M.      | F. | T.  | M. | F. | T.          | M. | F. | T. | M. | F.      | T.  | M. | F. | T.  |
| Group 1    | Coll. | M. | F. | T. | 43      | 32 | 75  | 11 | 3  | 14          | 26 | 19 | 45 | 34 | 29      | 63  | 34 | 29 | 63  |
|            | F. F. | 6  | 4  | 10 |         |    |     |    |    |             |    |    |    |    |         |     |    |    |     |
|            | F. M. | 33 | 26 | 59 |         |    |     |    |    |             |    |    |    |    |         |     |    |    |     |
|            | F. S. | 4  | 1  | 5  |         |    |     |    |    |             |    |    |    |    |         |     |    |    |     |
| Group 2    | Coll. | 8  | 3  | 11 | 43      | 32 | 75  | 11 | 3  | 14          | 11 | 4  | 15 | 18 | 18      | 23  | 18 | 18 | 23  |
|            | F. F. | 2  | 2  | 4  |         |    |     |    |    |             |    |    |    |    |         |     |    |    |     |
|            | F. M. | 17 | 19 | 36 |         |    |     |    |    |             |    |    |    |    |         |     |    |    |     |
|            | F. S. | 0  | 2  | 2  |         |    |     |    |    |             |    |    |    |    |         |     |    |    |     |
| Group 3    | Coll. | 3  | 8  | 11 | 43      | 32 | 75  | 11 | 3  | 14          | 27 | 30 | 57 | 42 | 40      | 82  | 42 | 40 | 82  |
|            | F. F. | 11 | 11 | 22 |         |    |     |    |    |             |    |    |    |    |         |     |    |    |     |
|            | F. M. | 23 | 4  | 27 |         |    |     |    |    |             |    |    |    |    |         |     |    |    |     |
|            | F. S. | 16 | 10 | 26 |         |    |     |    |    |             |    |    |    |    |         |     |    |    |     |
| Total      |       |    |    |    | 70      | 56 | 126 | 46 | 19 | 65          | 37 | 23 | 60 | 95 | 74      | 169 | 95 | 74 | 169 |

NOTE.—For F. F. read Father's Father, F. B. Father's Brother, etc.



TABLE IV.—*Chart of the Children of Parents Insane, Alcoholic, or otherwise Neuropathic.*

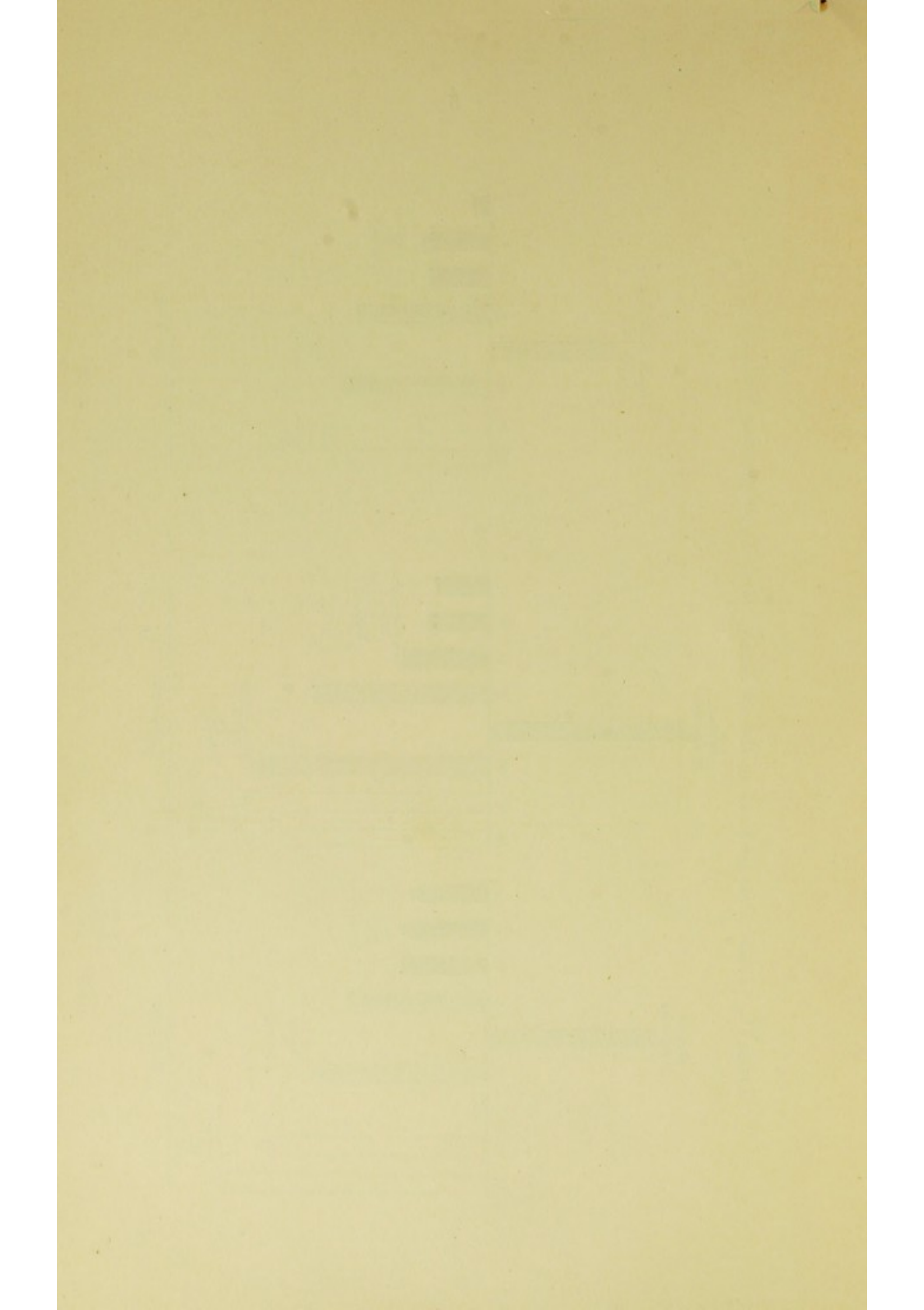


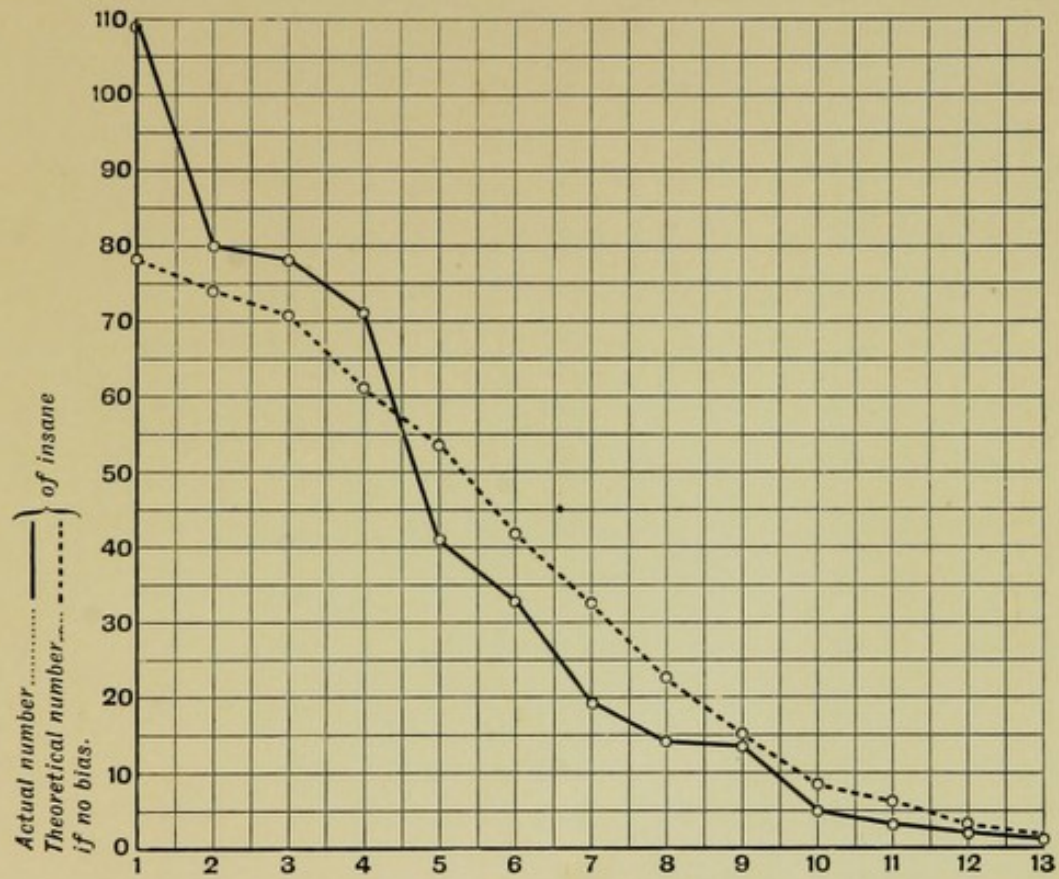
TABLE V.—*Chart of the Incidence of Insanity in Neuropathic Families.*



TABLE VA.—*Families containing at least one Insane Member.*

| I.<br>Frequency of size<br>of Family. |                 | II.<br>No. of Persons born<br>1st, 2nd, etc. |                 | III.<br>No. of Persons born<br>1st, 2nd, etc.,<br>actually Insane. |                 | IV.<br>No. of Persons<br>born, 1st, 2nd,<br>etc., and Insane,<br>if no bias. |                 |
|---------------------------------------|-----------------|----------------------------------------------|-----------------|--------------------------------------------------------------------|-----------------|------------------------------------------------------------------------------|-----------------|
| No. in<br>Family.                     | Fre-<br>quency. | Order.                                       | Fre-<br>quency. | Order.                                                             | Fre-<br>quency. | Order.                                                                       | Fre-<br>quency. |
| 1                                     | 10              | 1st                                          | 315             | 1st                                                                | 108             | 1st                                                                          | 77·3            |
| 2                                     | 14              | 2nd                                          | 305             | 2nd                                                                | 80              | 2nd                                                                          | 74·8            |
| 3                                     | 42              | 3rd                                          | 291             | 3rd                                                                | 78              | 3rd                                                                          | 71·4            |
| 4                                     | 30              | 4th                                          | 249             | 4th                                                                | 71              | 4th                                                                          | 61·1            |
| 5                                     | 48              | 5th                                          | 219             | 5th                                                                | 41              | 5th                                                                          | 53·7            |
| 6                                     | 37              | 6th                                          | 171             | 6th                                                                | 33              | 6th                                                                          | 41·9            |
| 7                                     | 41              | 7th                                          | 134             | 7th                                                                | 19              | 7th                                                                          | 32·9            |
| 8                                     | 38              | 8th                                          | 93              | 8th                                                                | 14              | 8th                                                                          | 22·8            |
| 9                                     | 20              | 9th                                          | 55              | 9th                                                                | 13              | 9th                                                                          | 13·5            |
| 10                                    | 13              | 10th                                         | 35              | 10th                                                               | 5               | 10th                                                                         | 8·6             |
| 11                                    | 8               | 11th                                         | 22              | 11th                                                               | 3               | 11th                                                                         | 5·4             |
| 12                                    | 9               | 12th                                         | 14              | 12th                                                               | 2               | 12th                                                                         | 3·4             |
| 13                                    | 5               | 13th                                         | 5               | 13th                                                               | 1               | 13th                                                                         | 1·2             |
|                                       | 315             |                                              | 1908            |                                                                    | 468             |                                                                              | 468·0           |

Family = Fraternity.







TABLE VI.—Continued.

| Mental Disorders.                       | Net Total of Ordinary Insanity. | Causal. On First Admission.                        | FINAL RESULTS.                            |                                     |                                          |                                          |                                     |                                     |                                          |                                          |                                  |                                          |                                  |                                  | PERCENTAGES.         |                      |                      |                      |                      |                      |                         |                      |                      |                      |                      |                      |                      |          |          |
|-----------------------------------------|---------------------------------|----------------------------------------------------|-------------------------------------------|-------------------------------------|------------------------------------------|------------------------------------------|-------------------------------------|-------------------------------------|------------------------------------------|------------------------------------------|----------------------------------|------------------------------------------|----------------------------------|----------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------|----------|
|                                         |                                 |                                                    | Recovered                                 |                                     |                                          | Recovered and Relapsed.                  |                                     |                                     | Unrecovered.                             |                                          |                                  | Died Insane.                             |                                  |                                  | Total.               |                      |                      | Recovered.           |                      |                      | Recovered and Relapsed. |                      |                      | Unrecovered.         |                      |                      | Died Insane.         |          |          |
|                                         |                                 |                                                    | M. F. T.                                  | M. F. T.                            | M. F. T.                                 | M. F. T.                                 | M. F. T.                            | M. F. T.                            | M. F. T.                                 | M. F. T.                                 | M. F. T.                         | M. F. T.                                 | M. F. T.                         | M. F. T.                         | M. F. T.             | M. F. T.             | M. F. T.             | M. F. T.             | M. F. T.             | M. F. T.             | M. F. T.                | M. F. T.             | M. F. T.             | M. F. T.             | M. F. T.             | M. F. T.             | M. F. T.             | M. F. T. | M. F. T. |
| Melancholia—Recent.                     | M. F. T.<br>42 79 121           | { Innate .<br>Acquired .<br>Mental .<br>Physical . | 10 23 33<br>5 6 11<br>6 11 17<br>10 25 35 | 3 3 4<br>2 2 4<br>5 5 10<br>2 6 8   | 7 10 21<br>5 11 16<br>5 17 22<br>6 24 30 | 3 4 7<br>2 4 5<br>5 10 17<br>6 13 20     | 1 0 1<br>0 1 1<br>8 13 15<br>5 8 13 | 1 0 1<br>0 1 1<br>8 13 15<br>5 8 13 | 3 6 9<br>6 7 13<br>8 14 22<br>15 26 30   | 5 6 8<br>5 6 8<br>5 10 13<br>5 10 13     | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 5 6 8<br>5 6 8<br>5 10 13<br>5 10 13     | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 27 12 38<br>31 82 20             | 33 79 28             | 13 56 13             | 42 37 35<br>36 40 48 | 38 51 16<br>38 51 16 | 95 12 36<br>95 12 36 | 14 19 19<br>14 19 19 | 27 12 38<br>31 82 20    | 33 79 28             | 13 56 13             | 42 37 35<br>36 40 48 | 38 51 16<br>38 51 16 | 95 12 36<br>95 12 36 | 14 19 19<br>14 19 19 |          |          |
| Melancholia—Chronic.                    | 39 52 91                        | { Innate .<br>Acquired .<br>Mental .<br>Physical . | 2 5 7<br>2 4 6<br>4 11 15<br>13 20 33     | 1 0 1<br>0 1 1<br>8 13 15<br>5 8 13 | 3 6 9<br>6 7 13<br>8 14 22<br>15 26 30   | 5 6 8<br>5 6 8<br>5 10 13<br>5 10 13     | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5    | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5    | 5 6 8<br>5 6 8<br>5 10 13<br>5 10 13     | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5         | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5         | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 31 82 20<br>31 82 20             | 33 79 28             | 13 56 13             | 42 37 35<br>36 40 48 | 38 51 16<br>38 51 16 | 95 12 36<br>95 12 36 | 14 19 19<br>14 19 19 | 27 12 38<br>31 82 20    | 33 79 28             | 13 56 13             | 42 37 35<br>36 40 48 | 38 51 16<br>38 51 16 | 95 12 36<br>95 12 36 | 14 19 19<br>14 19 19 |          |          |
| Mania—Recent.                           | 46 61 107                       | { Innate .<br>Acquired .<br>Mental .<br>Physical . | 4 12 16<br>7 14 21<br>12 24 36<br>4 6 10  | 2 6 8<br>3 6 9<br>8 16 18<br>9 9 18 | 5 10 17<br>5 10 17<br>5 10 17<br>5 10 17 | 6 13 20<br>6 13 20<br>6 13 20<br>6 13 20 | 2 6 8<br>2 6 8<br>2 6 8<br>2 6 8    | 2 6 8<br>2 6 8<br>2 6 8<br>2 6 8    | 8 14 22<br>8 14 22<br>8 14 22<br>8 14 22 | 5 10 13<br>5 10 13<br>5 10 13<br>5 10 13 | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 5 10 13<br>5 10 13<br>5 10 13<br>5 10 13 | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 37 91 31<br>27 78 45 | 32 31 16<br>32 31 16 | 27 27 22<br>27 27 22 | 22 22 22<br>22 22 22 | 23 64 26<br>23 64 26 | 51 25 36<br>51 25 36 | 18 18 18<br>18 18 18    | 28 28 28<br>28 28 28 | 19 19 19<br>19 19 19 | 34 34 34<br>34 34 34 | 42 42 42<br>42 42 42 | 78 78 78<br>78 78 78 | 25 25 25<br>25 25 25 |          |          |
| Mania—Chronic.                          | 27 57 84                        | { Innate .<br>Acquired .<br>Mental .<br>Physical . | 1 4 5<br>1 7 8<br>1 8 9<br>2 2 4          | 0 1 1<br>0 1 1<br>0 1 1<br>0 1 1    | 1 3 3<br>1 3 3<br>1 3 3<br>1 3 3         | 2 5 6<br>2 5 6<br>2 5 6<br>2 5 6         | 1 1 1<br>1 1 1<br>1 1 1<br>1 1 1    | 1 1 1<br>1 1 1<br>1 1 1<br>1 1 1    | 3 6 9<br>3 6 9<br>3 6 9<br>3 6 9         | 5 10 13<br>5 10 13<br>5 10 13<br>5 10 13 | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 5 10 13<br>5 10 13<br>5 10 13<br>5 10 13 | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 37 91 31<br>27 78 45 | 32 31 16<br>32 31 16 | 27 27 22<br>27 27 22 | 22 22 22<br>22 22 22 | 23 64 26<br>23 64 26 | 51 25 36<br>51 25 36 | 18 18 18<br>18 18 18    | 28 28 28<br>28 28 28 | 19 19 19<br>19 19 19 | 34 34 34<br>34 34 34 | 42 42 42<br>42 42 42 | 78 78 78<br>78 78 78 | 25 25 25<br>25 25 25 |          |          |
| Delusional Insanity.                    | 38 42 80                        | { Innate .<br>Acquired .<br>Mental .<br>Physical . | 0 0 0<br>0 1 1<br>0 1 1<br>0 1 1          | 0 0 0<br>0 1 1<br>0 1 1<br>0 1 1    | 1 3 3<br>1 3 3<br>1 3 3<br>1 3 3         | 2 5 6<br>2 5 6<br>2 5 6<br>2 5 6         | 1 1 1<br>1 1 1<br>1 1 1<br>1 1 1    | 1 1 1<br>1 1 1<br>1 1 1<br>1 1 1    | 3 6 9<br>3 6 9<br>3 6 9<br>3 6 9         | 5 10 13<br>5 10 13<br>5 10 13<br>5 10 13 | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 5 10 13<br>5 10 13<br>5 10 13<br>5 10 13 | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 37 91 31<br>27 78 45 | 32 31 16<br>32 31 16 | 27 27 22<br>27 27 22 | 22 22 22<br>22 22 22 | 23 64 26<br>23 64 26 | 51 25 36<br>51 25 36 | 18 18 18<br>18 18 18    | 28 28 28<br>28 28 28 | 19 19 19<br>19 19 19 | 34 34 34<br>34 34 34 | 42 42 42<br>42 42 42 | 78 78 78<br>78 78 78 | 25 25 25<br>25 25 25 |          |          |
| Dementia (including circular Insanity). | 43 28 71                        | { Innate .<br>Acquired .<br>Mental .<br>Physical . | 0 0 0<br>0 0 0<br>0 0 0<br>0 2 2          | 0 0 0<br>0 0 0<br>0 0 0<br>0 1 1    | 1 3 3<br>1 3 3<br>1 3 3<br>1 3 3         | 2 5 6<br>2 5 6<br>2 5 6<br>2 5 6         | 1 1 1<br>1 1 1<br>1 1 1<br>1 1 1    | 1 1 1<br>1 1 1<br>1 1 1<br>1 1 1    | 3 6 9<br>3 6 9<br>3 6 9<br>3 6 9         | 5 10 13<br>5 10 13<br>5 10 13<br>5 10 13 | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 5 10 13<br>5 10 13<br>5 10 13<br>5 10 13 | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 2 2 5<br>2 2 5<br>2 2 5<br>2 2 5 | 37 91 31<br>27 78 45 | 32 31 16<br>32 31 16 | 27 27 22<br>27 27 22 | 22 22 22<br>22 22 22 | 23 64 26<br>23 64 26 | 51 25 36<br>51 25 36 | 18 18 18<br>18 18 18    | 28 28 28<br>28 28 28 | 19 19 19<br>19 19 19 | 34 34 34<br>34 34 34 | 42 42 42<br>42 42 42 | 78 78 78<br>78 78 78 | 25 25 25<br>25 25 25 |          |          |
| Totals.                                 | 235 319 554                     |                                                    |                                           |                                     |                                          |                                          |                                     |                                     |                                          |                                          |                                  |                                          |                                  |                                  |                      |                      |                      |                      |                      |                      |                         |                      |                      |                      |                      |                      |                      |          |          |
| Grand Total.                            | 235 319 554                     | Innate and Acquired                                | 47 91 138                                 | 33 41 74                            | 102 121 223                              | 53 66 119                                | 235 319 554                         |                                     |                                          |                                          |                                  |                                          |                                  |                                  |                      |                      |                      |                      |                      |                      |                         |                      |                      |                      |                      |                      |                      |          |          |

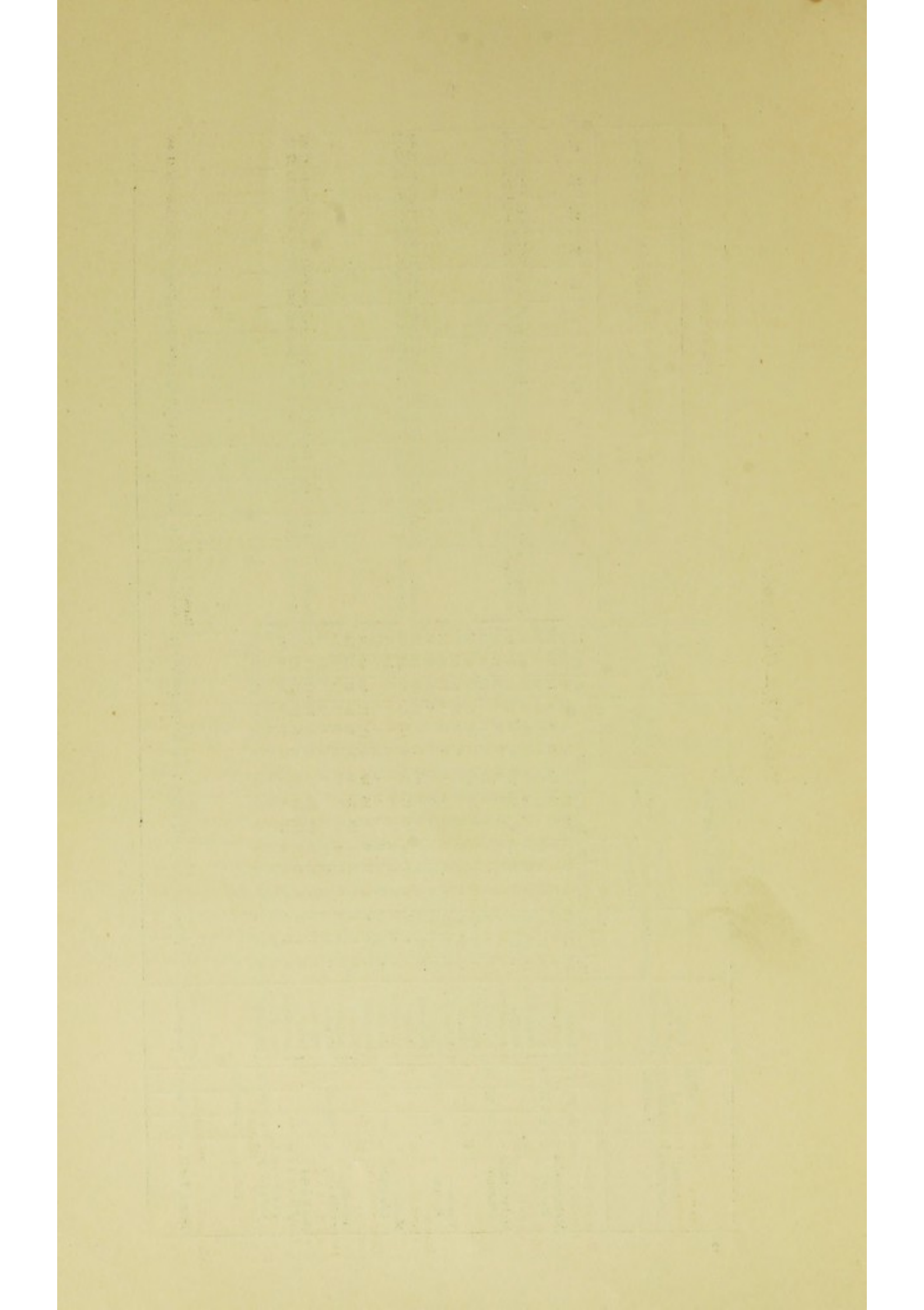


TABLE VI.—Continued.

[illegible]

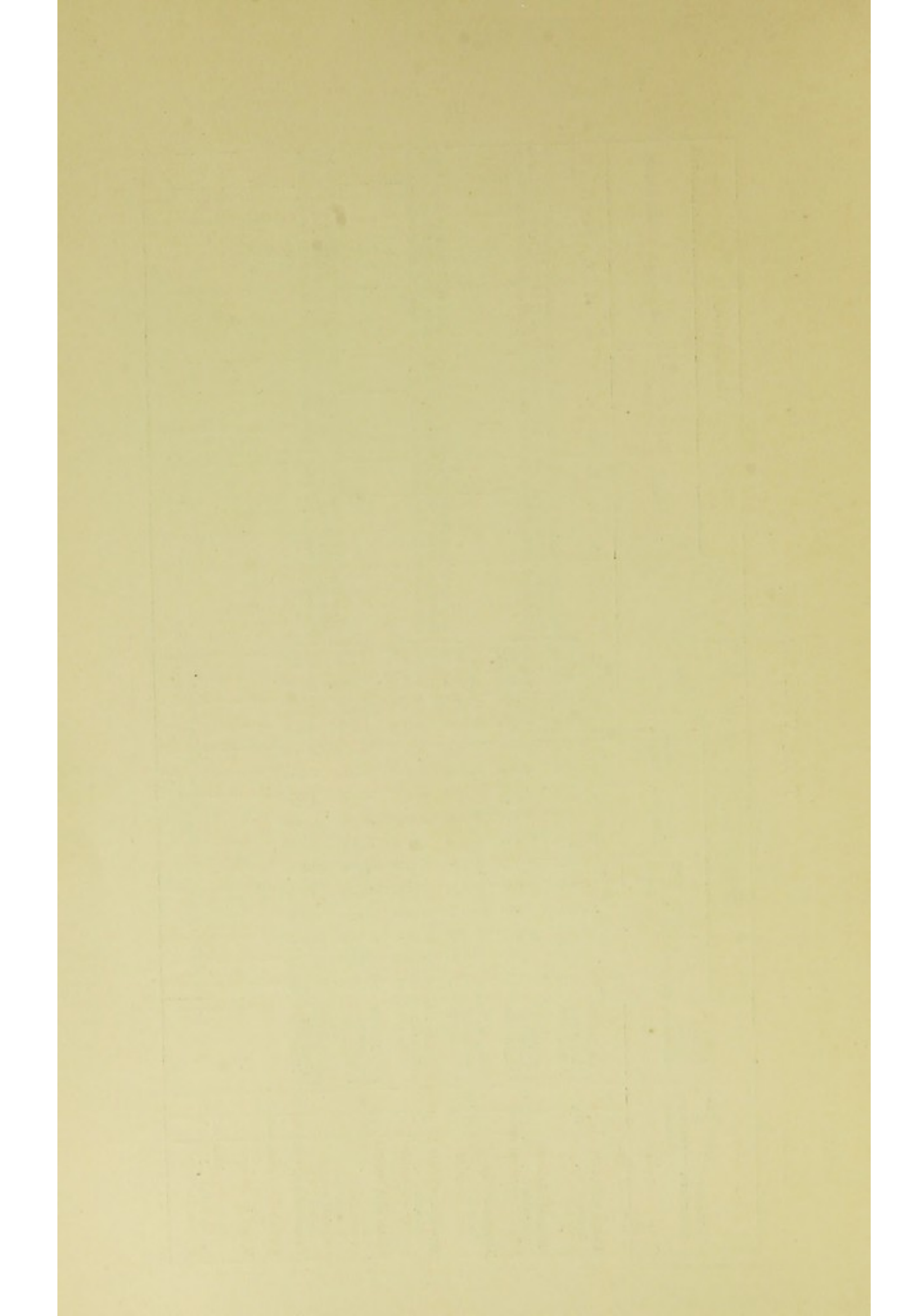


TABLE VII.—Conditions associated with Insanity, as ascertained on First Admissions—all forms included.  
Asylum Statistics—Certified Patients.

| Persons Observed.          | Total Incidence. |     |     | Total Neuropathic Heredity. |     | Heredity of Insanity. |     | Exhaustion (non-toxic). |    | Epilepsy |    | General Paralysis |    | Other Organic Diseases of the Brain. |    | Alcoholic. |    | Auto-toxic (Gout, Rheumatism, etc.) |    | Tubercle Syphilis. |    | Traumata. |    | Senile. |    |
|----------------------------|------------------|-----|-----|-----------------------------|-----|-----------------------|-----|-------------------------|----|----------|----|-------------------|----|--------------------------------------|----|------------|----|-------------------------------------|----|--------------------|----|-----------|----|---------|----|
|                            | M.               | F.  | T.  | M.                          | F.  | M.                    | F.  | M.                      | F. | M.       | F. | M.                | F. | M.                                   | F. | M.         | F. | M.                                  | F. | M.                 | F. | M.        | F. | M.      | F. |
| Total Neuropathic Heredity | 305              | 276 | 581 | 305                         | 276 | 182                   | 186 | 9                       | 18 | 12       | 3  | 31                | 1  | 7                                    | 4  | 69         | 17 | 24                                  | 37 | 15                 | 10 | 12        | 3  | 22      | 24 |
| Heredity of Insanity       | 182              | 186 | 368 | ..                          | ..  | ..                    | ..  | 4                       | 14 | 4        | 1  | 10                | .. | 3                                    | 2  | 39         | 8  | 16                                  | 25 | 10                 | 9  | 10        | .. | 18      | 16 |
| Exhaustion (not toxic)     | 16               | 26  | 42  | 9                           | 18  | 4                     | 14  | 16                      | 26 | ..       | .. | 2                 | .. | ..                                   | .. | ..         | .. | 1                                   | .. | ..                 | .. | 1         | 2  | ..      | .. |
| Epilepsy                   | 20               | 4   | 24  | 12                          | 3   | 4                     | 1   | ..                      | .. | 20       | 4  | 1                 | .. | ..                                   | .. | 10         | 1  | 2                                   | .. | ..                 | .. | 3         | .. | ..      | 1  |
| General Paralysis          | 39               | 1   | 40  | 31                          | 1   | 10                    | ..  | 2                       | .. | 1        | .. | 39                | 1  | ..                                   | .. | 14         | .. | 3                                   | .. | 23                 | .. | 1         | .. | ..      | .. |
| Organic cerebral diseases  | 11               | 5   | 16  | 7                           | 4   | 3                     | 2   | ..                      | .. | ..       | .. | ..                | .. | 11                                   | 5  | 4          | 1  | ..                                  | .. | ..                 | .. | 1         | .. | 6       | 1  |
| Hæmopoietic                | 16               | 25  | 41  | 11                          | 17  | 5                     | 12  | 1                       | 1  | ..       | .. | ..                | .. | ..                                   | .. | ..         | .. | 2                                   | 3  | 1                  | 1  | ..        | .. | ..      | .. |
| Cardio-vascular            | 72               | 73  | 145 | 52                          | 46  | 35                    | 36  | 1                       | 4  | 4        | .. | 1                 | .. | 1                                    | .. | 18         | 4  | 7                                   | 12 | 1                  | 2  | ..        | 2  | 9       | 16 |
| Respiratory (not Phthisis) | 4                | 12  | 16  | 3                           | 11  | 2                     | 8   | ..                      | .. | ..       | .. | ..                | .. | ..                                   | .. | 1          | 1  | ..                                  | .. | ..                 | .. | ..        | 1  | 2       | .. |
| Gastro-intestinal          | 34               | 61  | 95  | 24                          | 46  | 18                    | 26  | 3                       | .. | ..       | .. | 2                 | .. | 1                                    | .. | 6          | .. | 2                                   | 7  | 1                  | 3  | 1         | .. | 4       | 5  |
| Renal and vesical          | 19               | 16  | 35  | 14                          | 11  | 8                     | 4   | 1                       | .. | 2        | .. | ..                | 1  | 2                                    | 1  | 6          | .. | 2                                   | 3  | ..                 | .. | ..        | 3  | 1       | .. |
| Generative                 | 8                | 82  | 90  | 6                           | 60  | 2                     | 45  | 5                       | 1  | 1        | 1  | ..                | .. | ..                                   | 1  | 1          | 1  | 5                                   | 1  | 1                  | 1  | ..        | 2  | 1       | .. |
| Others                     | 29               | 30  | 59  | 17                          | 21  | 10                    | 12  | 1                       | .. | 1        | 1  | 1                 | 1  | ..                                   | .. | 4          | 3  | 2                                   | .. | 1                  | .. | ..        | 2  | 1       | .. |
| Exotoxic—Alcohol, etc.     | 90               | 25  | 115 | 69                          | 17  | 39                    | 8   | ..                      | .. | 10       | 1  | 14                | .. | 4                                    | 1  | 90         | 25 | 5                                   | 1  | 2                  | 2  | 11        | 3  | 3       | 1  |
| Autotoxic—Gout, etc.       | 38               | 55  | 93  | 24                          | 37  | 16                    | 25  | ..                      | 1  | 2        | .. | 3                 | .. | ..                                   | .. | 5          | 1  | 38                                  | 55 | 1                  | 1  | 1         | 9  | 1       | .. |
| Microbic Tubercle          | 21               | 14  | 35  | 15                          | 10  | 10                    | 9   | ..                      | .. | ..       | .. | ..                | .. | ..                                   | .. | 2          | 2  | 1                                   | 1  | 14                 | .. | ..        | .. | ..      | .. |
| Syphilis                   | 33               | 1   | 34  | 28                          | ..  | 15                    | ..  | ..                      | .. | 2        | .. | 23                | .. | ..                                   | .. | 11         | 1  | ..                                  | .. | 33                 | 1  | ..        | .. | ..      | .. |
| Traumata                   | 20               | 6   | 26  | 12                          | 3   | 10                    | ..  | ..                      | 1  | 3        | .. | 1                 | .. | 1                                    | .. | 3          | .. | 1                                   | .. | ..                 | .. | 20        | 6  | 1       | .. |
| Senile                     | 35               | 35  | 70  | 22                          | 24  | 18                    | 16  | 2                       | .. | ..       | 1  | ..                | .. | 6                                    | 1  | 3          | 1  | 9                                   | 1  | ..                 | .. | 1         | .. | 35      | 35 |







TABLE VIII.—Continued.

| Occupations and Dependents. | MENTAL STRESS. |     |     |              |    |       |    |                   |     |               |    |                |    |              |     |       |     |
|-----------------------------|----------------|-----|-----|--------------|----|-------|----|-------------------|-----|---------------|----|----------------|----|--------------|-----|-------|-----|
|                             | Total Persons. |     |     | Hereditary.  |    |       |    | Mental Disorders. |     |               |    | Final Results. |    |              |     |       |     |
|                             |                |     |     | Neuropathic. |    | None. |    | Ordinary.         |     | Pathological. |    | Recovered.     |    | Unrecovered. |     | Died. |     |
|                             | M.             | F.  | T.  | M.           | F. | T.    | M. | F.                | T.  | M.            | F. | T.             | M. | F.           | T.  | M.    | T.  |
| Government, Army, etc.      | 19             | 7   | 26  | 1            | 1  | 2     | 1  | 1                 | 1   | 1             | 1  | 2              | 1  | 1            | 1   | 1     | 3   |
| Clerical                    | 12             | 14  | 26  | 5            | 4  | 9     | 2  | 4                 | 8   | 2             | 2  | 2              | 1  | 3            | 6   | 1     | 2   |
| Legal                       | 19             | 4   | 23  | 2            | 2  | 4     | 2  | 2                 | 4   | 1             | 1  | 1              | 1  | 1            | 1   | 5     | 4   |
| Medical                     | 19             | 5   | 24  | 2            | 1  | 3     | 2  | 2                 | 3   | 1             | 1  | 1              | 1  | 1            | 2   | 4     | 4   |
| Teaching                    | 6              | 26  | 32  | 3            | 8  | 11    | 1  | 3                 | 12  | 1             | 1  | 3              | 1  | 2            | 4   | 3     | 12  |
| Artistic and Literary       | 12             | 5   | 17  | 1            | 1  | 2     | 2  | 2                 | 4   | 1             | 1  | 1              | 1  | 2            | 3   | 3     | 5   |
| Other Professions           | 11             | 11  | 22  | 1            | 1  | 2     | 1  | 1                 | 2   | 1             | 1  | 1              | 1  | 1            | 2   | 2     | 2   |
| Domestic Service            | 128            | 44  | 172 | 12           | 12 | 24    | 3  | 15                | 15  | 1             | 1  | 4              | 12 | 6            | 7   | 36    | 15  |
| Commercial                  | 6              | 47  | 53  | 27           | 9  | 36    | 1  | 22                | 35  | 14            | 1  | 6              | 14 | 4            | 16  | 14    | 50  |
| Railways and Seafaring      | 65             | 43  | 108 | 13           | 10 | 23    | 4  | 14                | 27  | 3             | 2  | 3              | 10 | 10           | 20  | 17    | 32  |
| Agricultural                | 69             | 78  | 147 | 18           | 21 | 39    | 5  | 20                | 45  | 3             | 2  | 9              | 16 | 15           | 31  | 23    | 50  |
| Trades                      | 7              | 5   | 12  | 2            | 3  | 5     | 1  | 2                 | 5   | 3             | 2  | 2              | 1  | 3            | 3   | 2     | 5   |
| Manufacturers               | 10             | 13  | 23  | 2            | 2  | 4     | 1  | 3                 | 5   | 3             | 1  | 2              | 1  | 2            | 3   | 3     | 7   |
| Hotel-keepers, etc.         | 16             | 80  | 96  | 2            | 20 | 22    | 1  | 26                | 28  | 1             | 1  | 6              | 1  | 18           | 19  | 2     | 29  |
| Independent Means           | 9              | 9   | 18  | 3            | 2  | 5     | 1  | 3                 | 7   | 1             | 1  | 2              | 1  | 4            | 5   | 3     | 7   |
| No Occupation               | 11             | 3   | 14  | 1            | 1  | 2     | 1  | 1                 | 2   | 1             | 1  | 1              | 1  | 1            | 1   | 1     | 1   |
| Unknown                     | 11             | 3   | 14  | 1            | 1  | 2     | 1  | 1                 | 2   | 1             | 1  | 1              | 1  | 1            | 1   | 1     | 1   |
| Idiots and Imbeciles        | 11             | 3   | 14  | 1            | 1  | 2     | 1  | 1                 | 2   | 1             | 1  | 1              | 1  | 1            | 1   | 1     | 1   |
| Totals                      | 419            | 390 | 809 | 82           | 98 | 180   | 26 | 78                | 203 | 30            | 6  | 37             | 52 | 78           | 130 | 108   | 239 |

| Occupations and Dependents. | PHYSICAL STRESS. |     |     |              |     |       |    |                   |     |               |    |                |     |              |     |       |     |
|-----------------------------|------------------|-----|-----|--------------|-----|-------|----|-------------------|-----|---------------|----|----------------|-----|--------------|-----|-------|-----|
|                             | Total Persons.   |     |     | Hereditary.  |     |       |    | Mental Disorders. |     |               |    | Final Results. |     |              |     |       |     |
|                             |                  |     |     | Neuropathic. |     | None. |    | Ordinary.         |     | Pathological. |    | Recovered.     |     | Unrecovered. |     | Died. |     |
|                             | M.               | F.  | T.  | M.           | F.  | T.    | M. | F.                | T.  | M.            | F. | T.             | M.  | F.           | T.  | M.    | T.  |
| Government, Army, etc.      | 19               | 7   | 26  | 4            | 4   | 8     | 1  | 1                 | 2   | 1             | 1  | 2              | 1   | 1            | 2   | 1     | 3   |
| Clerical                    | 12               | 14  | 26  | 8            | 4   | 12    | 3  | 9                 | 13  | 3             | 3  | 3              | 4   | 5            | 9   | 13    | 19  |
| Legal                       | 19               | 4   | 23  | 11           | 7   | 18    | 5  | 18                | 23  | 3             | 3  | 3              | 8   | 10           | 18  | 10    | 18  |
| Medical                     | 19               | 5   | 24  | 1            | 1   | 2     | 1  | 1                 | 2   | 1             | 1  | 1              | 1   | 1            | 2   | 1     | 16  |
| Teaching                    | 6                | 26  | 32  | 1            | 15  | 16    | 2  | 18                | 19  | 2             | 2  | 2              | 3   | 4            | 7   | 1     | 15  |
| Artistic and Literary       | 12               | 5   | 17  | 3            | 3   | 6     | 1  | 4                 | 7   | 1             | 1  | 1              | 1   | 1            | 2   | 1     | 20  |
| Other Professions           | 11               | 11  | 22  | 3            | 3   | 6     | 1  | 4                 | 8   | 1             | 1  | 2              | 1   | 2            | 3   | 1     | 19  |
| Domestic Service            | 128              | 44  | 172 | 22           | 22  | 44    | 1  | 26                | 28  | 3             | 1  | 6              | 10  | 13           | 23  | 5     | 36  |
| Commercial                  | 6                | 47  | 53  | 71           | 25  | 96    | 25 | 36                | 61  | 6             | 6  | 13             | 41  | 33           | 54  | 96    | 130 |
| Railways and Seafaring      | 65               | 43  | 108 | 24           | 21  | 45    | 12 | 30                | 50  | 16            | 2  | 17             | 17  | 21           | 38  | 36    | 68  |
| Agricultural                | 69               | 78  | 147 | 37           | 41  | 78    | 10 | 29                | 59  | 18            | 11 | 25             | 27  | 26           | 53  | 47    | 108 |
| Trades                      | 7                | 5   | 12  | 3            | 3   | 6     | 1  | 4                 | 9   | 2             | 2  | 4              | 2   | 4            | 6   | 2     | 6   |
| Manufacturers               | 10               | 13  | 23  | 3            | 6   | 9     | 1  | 7                 | 14  | 5             | 1  | 7              | 2   | 4            | 6   | 8     | 16  |
| Hotel-keepers, etc.         | 16               | 80  | 96  | 10           | 39  | 49    | 2  | 44                | 51  | 5             | 11 | 12             | 6   | 31           | 37  | 12    | 55  |
| Independent Means           | 9                | 9   | 18  | 3            | 5   | 8     | 2  | 9                 | 12  | 2             | 2  | 3              | 1   | 7            | 8   | 5     | 14  |
| No Occupation               | 11               | 3   | 14  | 1            | 1   | 2     | 1  | 1                 | 2   | 1             | 1  | 1              | 1   | 1            | 1   | 1     | 2   |
| Unknown                     | 11               | 3   | 14  | 1            | 1   | 2     | 1  | 1                 | 2   | 1             | 1  | 1              | 1   | 1            | 1   | 1     | 1   |
| Idiots and Imbeciles        | 11               | 3   | 14  | 1            | 1   | 2     | 1  | 1                 | 2   | 1             | 1  | 1              | 1   | 1            | 1   | 1     | 1   |
| Totals                      | 419              | 390 | 809 | 196          | 201 | 397   | 77 | 137               | 389 | 136           | 37 | 88             | 130 | 144          | 274 | 273   | 562 |



TABLE IX.—*Chart of Total Numbers, showing the Monthly Incidence of the Attacks, Recoveries, and Deaths. All Certified Cases.*

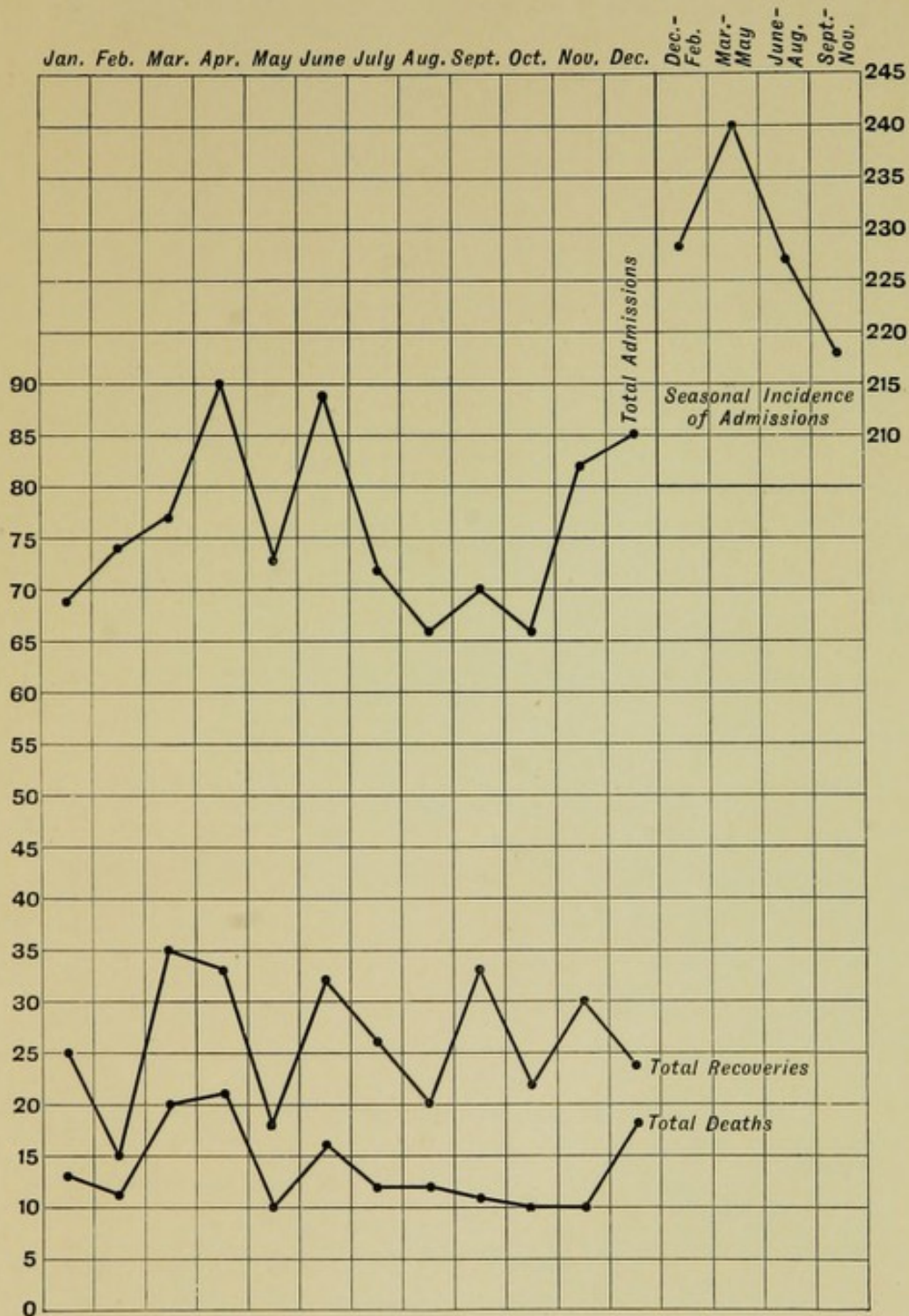


TABLE I.—Amount of Total Receipts, Showing the Monthly Receipts of the Illinois Manufacturers and Dealers in Cotton Goods.

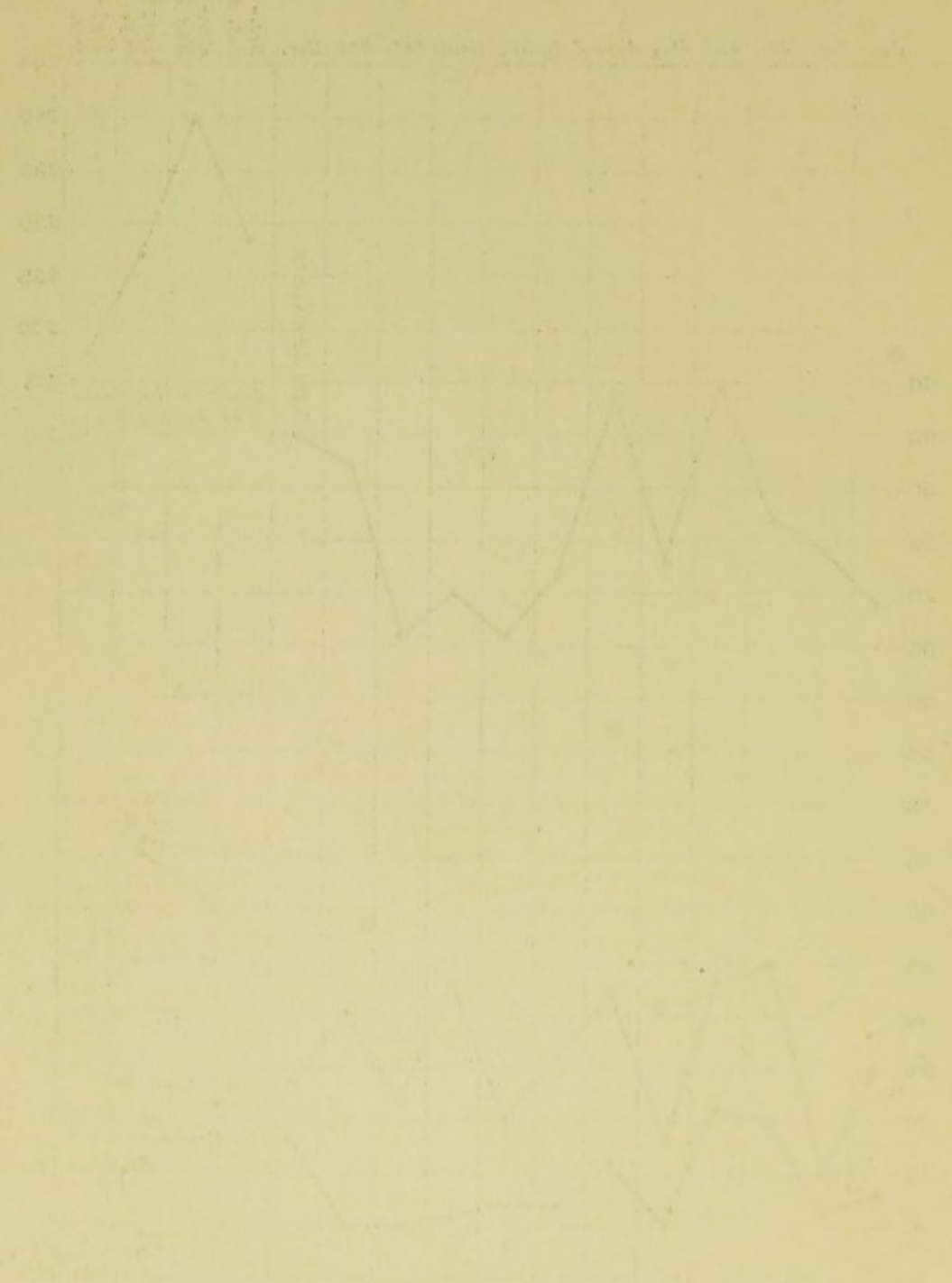
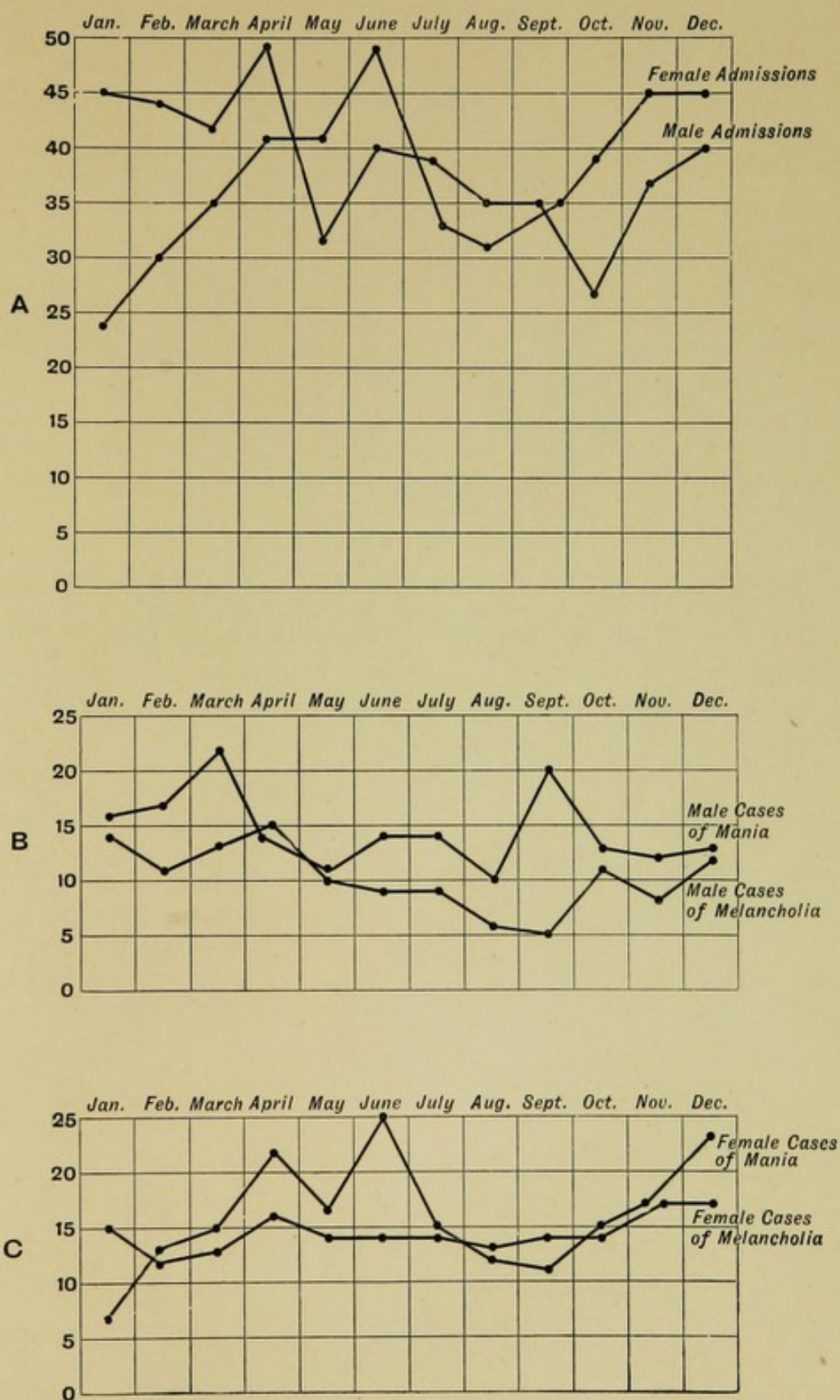


TABLE IXA.—*Chart of (a) Male and Female Admissions, (b) Male Cases of Mania and Melancholia, (c) Female Cases of Mania and Melancholia, showing the Monthly Incidence of the Attacks. Certified Patients.*



The following table shows the results of the experiments conducted at the University of California, Berkeley, during the summer of 1907. The experiments were conducted by the following persons:

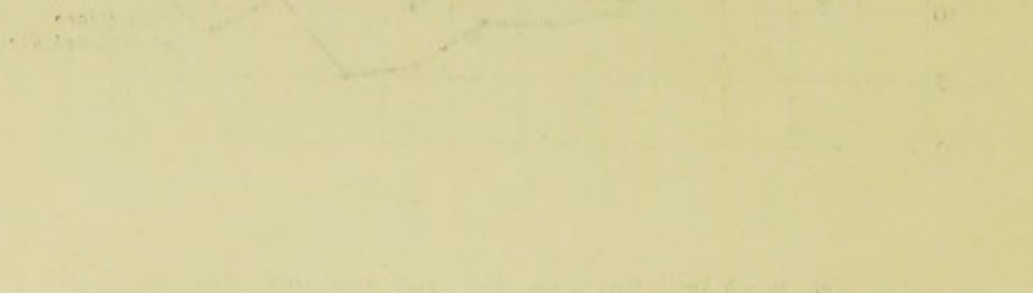
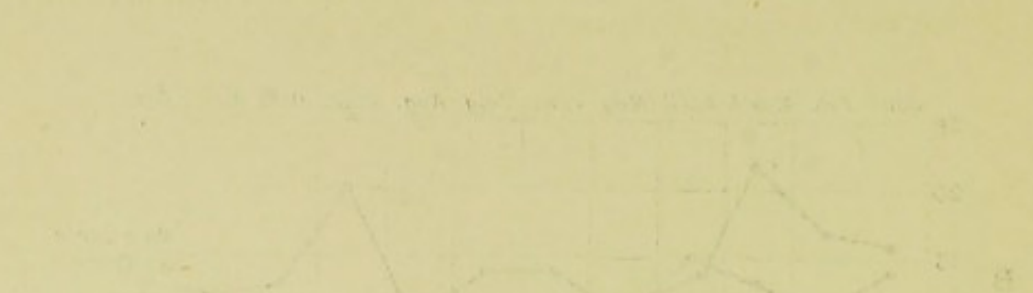
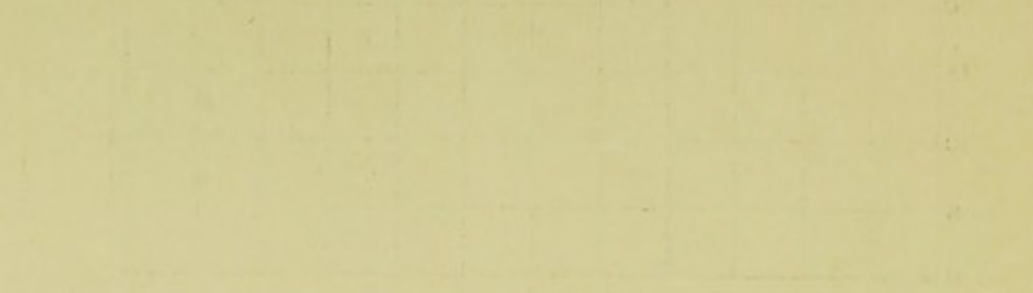
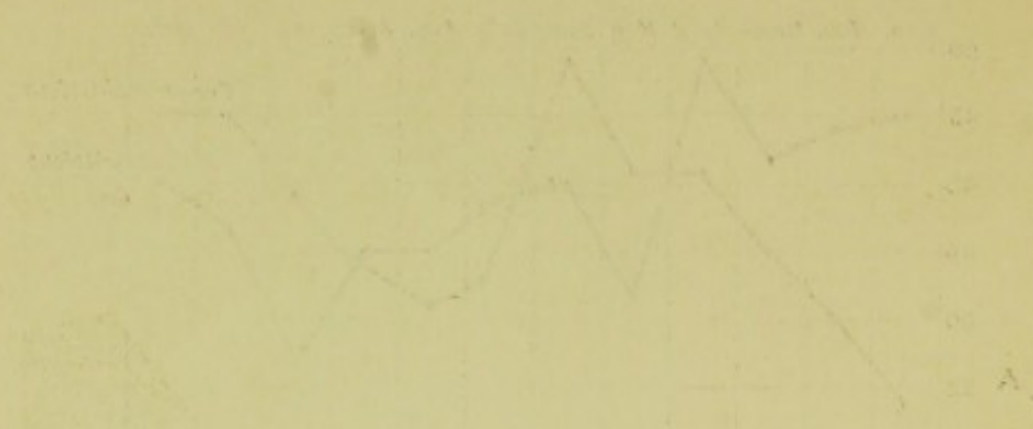
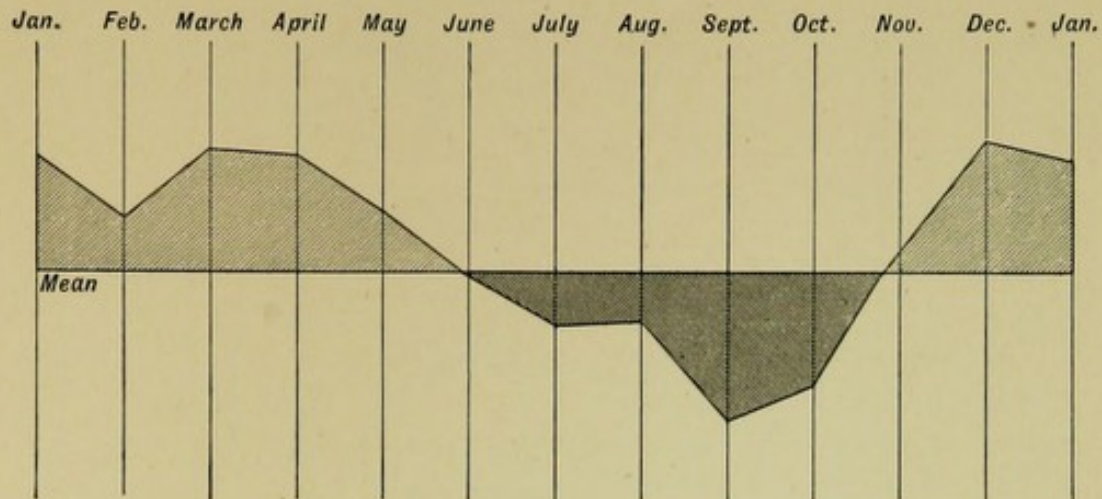
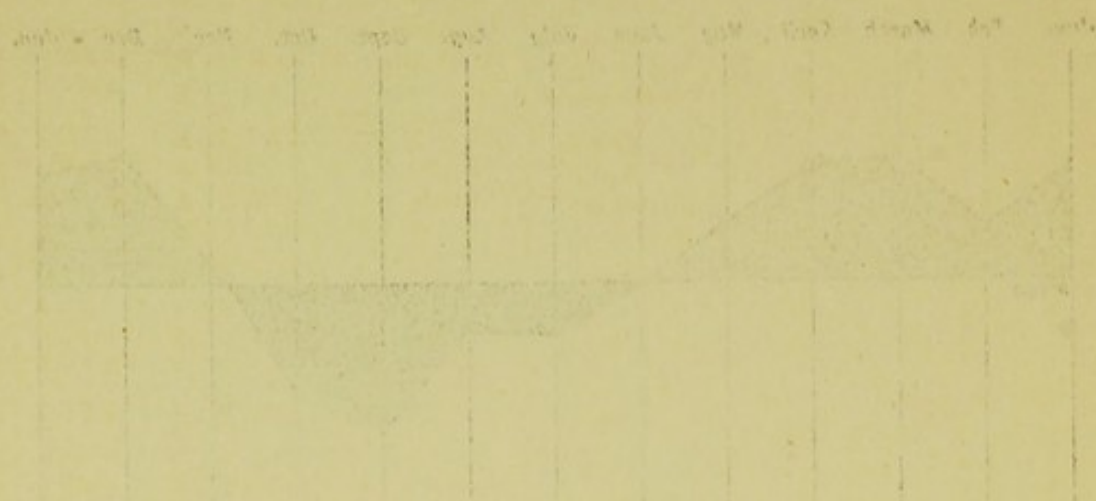


CHART IXB.



767 Cases, showing the curve of monthly incidence at inception of attack, constructed from percentages, and showing the incidence in the month immediately preceding and the month immediately following any month.

CHART IX.



The line showing the curve of the surface of the water at the time of the survey, from the point of departure to the point of arrival, and the line showing the curve of the surface of the water at the time of the survey, from the point of departure to the point of arrival, and the line showing the curve of the surface of the water at the time of the survey, from the point of departure to the point of arrival.

TABLE X.—*Showing the Duration of Attack on admission in relation to ordinary Insanity and the facts of Heredity, and the Results of Treatment correlated with the Age Periods. First admissions. Certified Patients.*

| DURATION OF ATTACK. |                         | AGE PERIODS.                               |       |              |            |             |        |            |       |            |            |           |        |
|---------------------|-------------------------|--------------------------------------------|-------|--------------|------------|-------------|--------|------------|-------|------------|------------|-----------|--------|
|                     |                         | ORDINARY INSANITY, INCLUDING SENILE CASES. |       |              |            | ADOLESCENT. |        |            |       | MATURITY.  |            |           |        |
|                     |                         | NP. Hered.                                 |       | No Heredity. |            | NP. Hered.  |        | No Hered.  |       | NP. Hered. |            | No Hered. |        |
|                     |                         |                                            |       |              |            |             |        |            |       |            |            |           |        |
| Males—              | Less than three months  | Recovered.                                 | Died. | Total.       | Recovered. | Died.       | Total. | Recovered. | Died. | Total.     | Recovered. | Died.     | Total. |
|                     |                         | 20                                         | 14    | 3            | 37         | 8           | 7      | 2          | 17    | 5          | 1          | 13        | 3      |
|                     |                         | 7                                          | 6     | 1            | 14         | 4           | 7      | 2          | 13    | 4          | 2          | 6         | 2      |
|                     |                         | 6                                          | 16    | 3            | 25         | 2           | 4      | 2          | 8     | 1          | 4          | 1         | 6      |
| Females—            | Three to six months     | Recovered.                                 | Died. | Total.       | Recovered. | Died.       | Total. | Recovered. | Died. | Total.     | Recovered. | Died.     | Total. |
|                     |                         | 25                                         | 67    | 17           | 109        | 5           | 24     | 9          | 38    | 11         | 26         | 3         | 40     |
|                     |                         | 3                                          | 15    | 5            | 23         | 1           | 6      | 0          | 7     | 1          | 1          | 1         | 3      |
|                     |                         | 38                                         | 83    | 14           | 135        | 10          | 30     | 13         | 53    | 13         | 20         | 4         | 37     |
| Totals              | Less than three months  | Recovered.                                 | Died. | Total.       | Recovered. | Died.       | Total. | Recovered. | Died. | Total.     | Recovered. | Died.     | Total. |
|                     |                         | 90                                         | 130   | 27           | 247        | 29          | 58     | 15         | 102   | 27         | 24         | 6         | 57     |
|                     |                         | 56                                         | 32    | 10           | 98         | 22          | 19     | 2          | 43    | 20         | 8          | 3         | 31     |
|                     |                         | 20                                         | 20    | 2            | 42         | 8           | 17     | 4          | 29    | 4          | 3          | 1         | 7      |
| Totals              | Three to six months     | Recovered.                                 | Died. | Total.       | Recovered. | Died.       | Total. | Recovered. | Died. | Total.     | Recovered. | Died.     | Total. |
|                     |                         | 63                                         | 150   | 31           | 244        | 15          | 54     | 22         | 91    | 24         | 46         | 7         | 77     |
|                     |                         | 9                                          | 31    | 8            | 48         | 3           | 10     | 2          | 15    | 2          | 4          | 1         | 7      |
|                     |                         | 63                                         | 150   | 31           | 244        | 15          | 54     | 22         | 91    | 24         | 46         | 7         | 77     |
| Totals              | Six to twelve months    | Recovered.                                 | Died. | Total.       | Recovered. | Died.       | Total. | Recovered. | Died. | Total.     | Recovered. | Died.     | Total. |
|                     |                         | 148                                        | 233   | 51           | 432        | 48          | 100    | 30         | 178   | 50         | 61         | 11        | 122    |
|                     |                         | 56                                         | 32    | 10           | 98         | 22          | 19     | 2          | 43    | 20         | 8          | 3         | 31     |
|                     |                         | 20                                         | 20    | 2            | 42         | 8           | 17     | 4          | 29    | 4          | 3          | 1         | 7      |
| Totals              | More than twelve months | Recovered.                                 | Died. | Total.       | Recovered. | Died.       | Total. | Recovered. | Died. | Total.     | Recovered. | Died.     | Total. |
|                     |                         | 63                                         | 150   | 31           | 244        | 15          | 54     | 22         | 91    | 24         | 46         | 7         | 77     |
|                     |                         | 9                                          | 31    | 8            | 48         | 3           | 10     | 2          | 15    | 2          | 4          | 1         | 7      |
|                     |                         | 63                                         | 150   | 31           | 244        | 15          | 54     | 22         | 91    | 24         | 46         | 7         | 77     |
| Totals              | More than twelve months | Recovered.                                 | Died. | Total.       | Recovered. | Died.       | Total. | Recovered. | Died. | Total.     | Recovered. | Died.     | Total. |
|                     |                         | 148                                        | 233   | 51           | 432        | 48          | 100    | 30         | 178   | 50         | 61         | 11        | 122    |
|                     |                         | 56                                         | 32    | 10           | 98         | 22          | 19     | 2          | 43    | 20         | 8          | 3         | 31     |
|                     |                         | 20                                         | 20    | 2            | 42         | 8           | 17     | 4          | 29    | 4          | 3          | 1         | 7      |

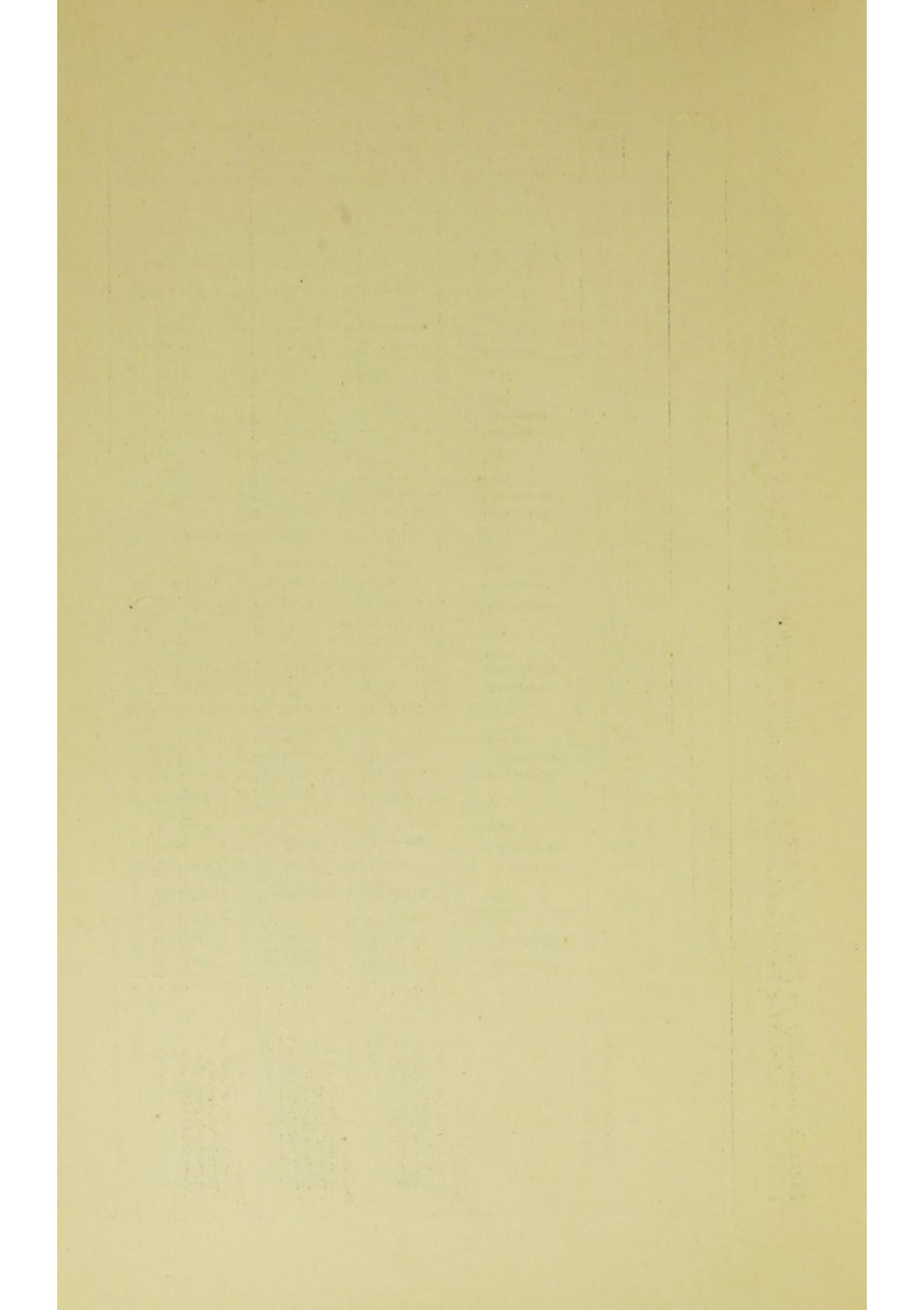


TABLE XI.—*Chart showing Age on First Attack by Quinquennial Periods—Males, Females, and Totals.*

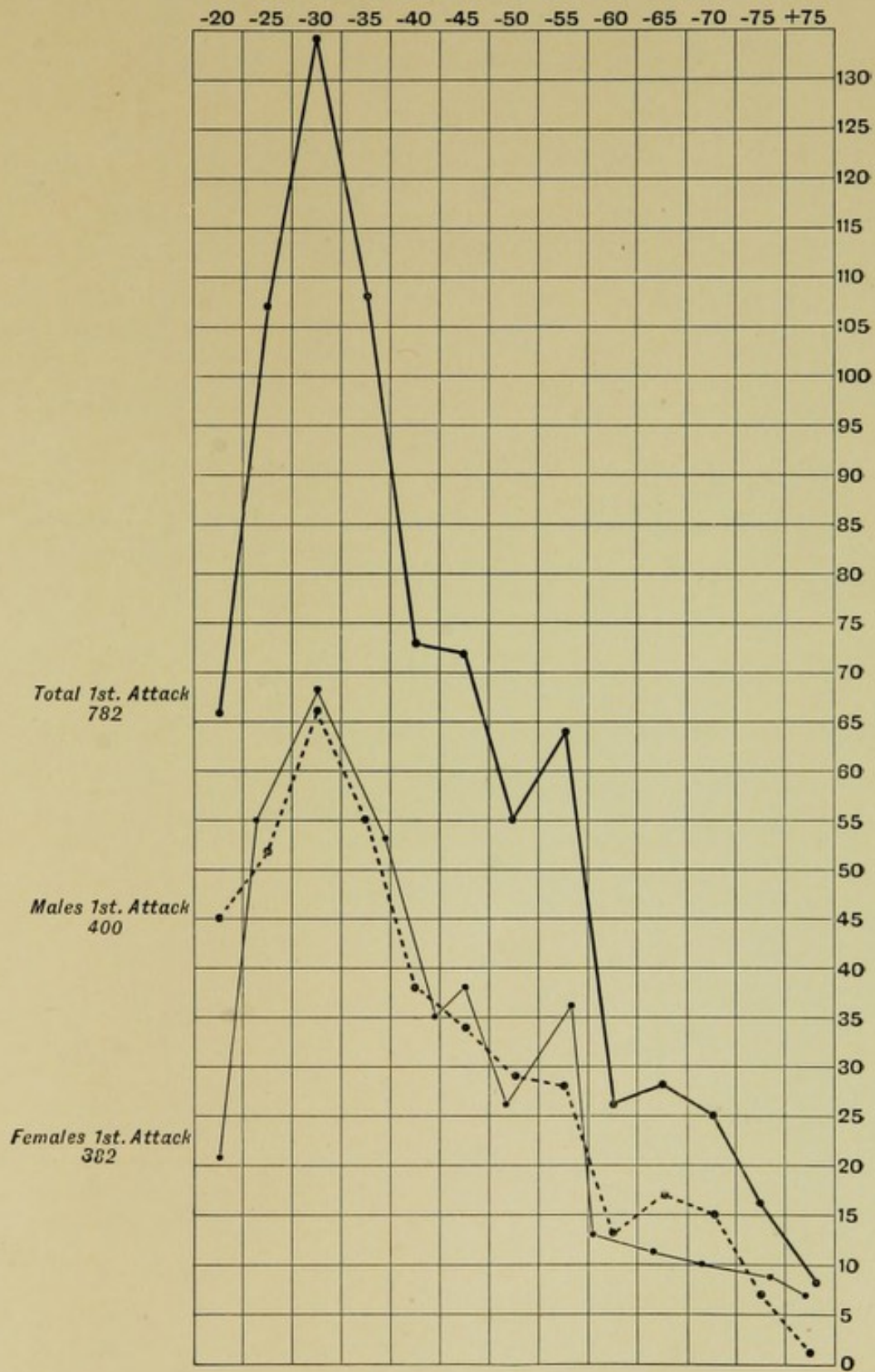




TABLE XIA.—Chart showing Ages on First Recovery, First Relapse, and Death—Males, Females, and Totals.

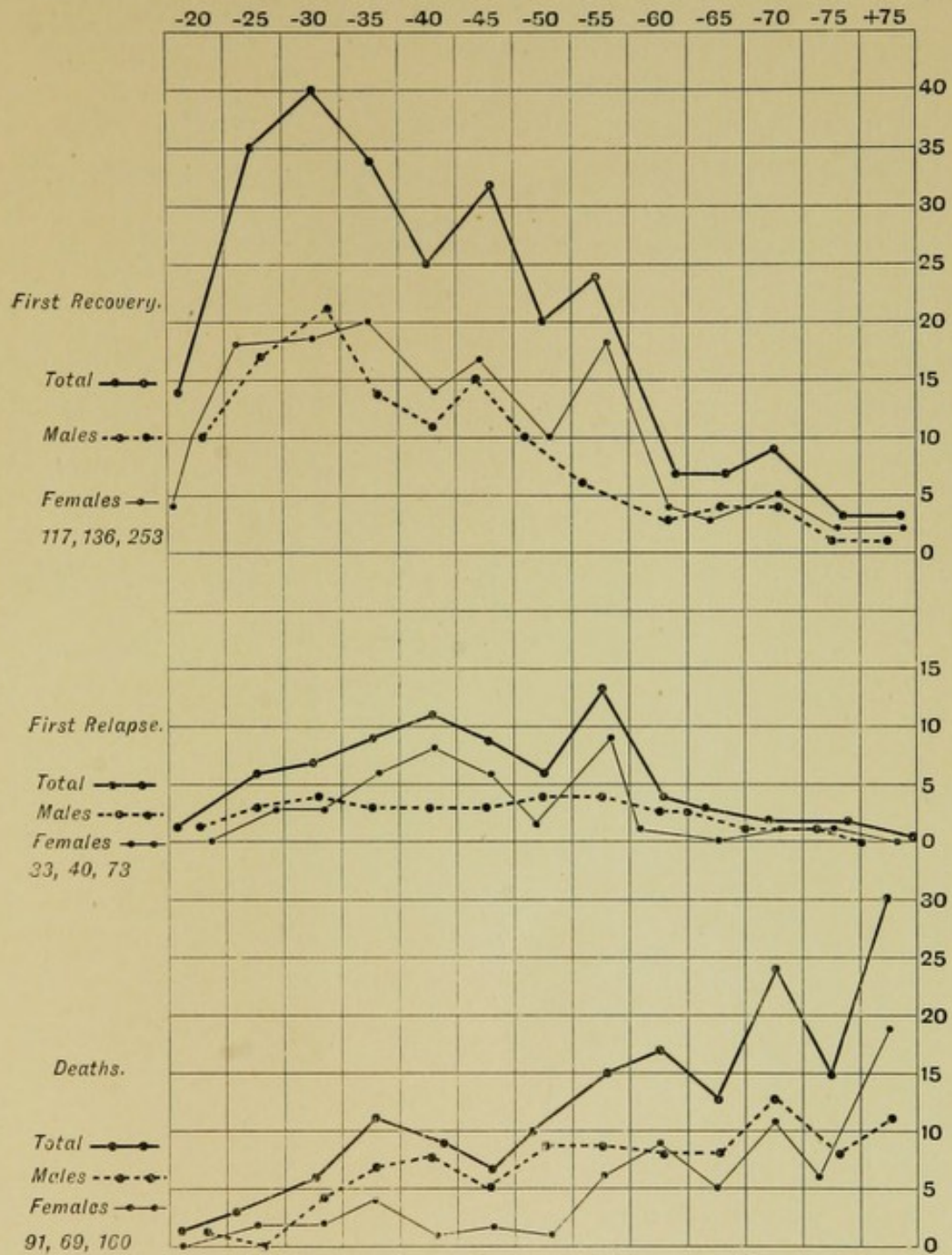




TABLE XIb.—*Showing Age on Death of Patients under observation, compared with the Tables of the Institute of Actuaries.*

| Age Group. | INSANE.               |                                                 | HM. TABLE.            |                                                 | Age Group. |
|------------|-----------------------|-------------------------------------------------|-----------------------|-------------------------------------------------|------------|
|            | Average Age at Death. | Percentage of Number of Deaths to Total Number. | Average Age at Death. | Percentage of Number of Deaths to Total Number. |            |
| 15-25      | 21                    | 2                                               | 20                    | 5                                               | 15-25      |
| 25-40      | 33                    | 16                                              | 32                    | 11                                              | 25-40      |
| 40-60      | 51                    | 31                                              | 51                    | 24                                              | 40-60      |
| 60-75      | 67                    | 33                                              | 68                    | 36                                              | 60-75      |
| Over 75    | ...                   | 18                                              | 82                    | 24                                              | Over 75    |

| TABLE I                                   |          |             |        |
|-------------------------------------------|----------|-------------|--------|
| Summary of the results of the experiments |          |             |        |
| Experiment                                | Time     | Temperature | Result |
| 1                                         | 10 min   | 25°C        | 1.0    |
| 2                                         | 20 min   | 25°C        | 1.5    |
| 3                                         | 30 min   | 25°C        | 2.0    |
| 4                                         | 40 min   | 25°C        | 2.5    |
| 5                                         | 50 min   | 25°C        | 3.0    |
| 6                                         | 60 min   | 25°C        | 3.5    |
| 7                                         | 70 min   | 25°C        | 4.0    |
| 8                                         | 80 min   | 25°C        | 4.5    |
| 9                                         | 90 min   | 25°C        | 5.0    |
| 10                                        | 100 min  | 25°C        | 5.5    |
| 11                                        | 110 min  | 25°C        | 6.0    |
| 12                                        | 120 min  | 25°C        | 6.5    |
| 13                                        | 130 min  | 25°C        | 7.0    |
| 14                                        | 140 min  | 25°C        | 7.5    |
| 15                                        | 150 min  | 25°C        | 8.0    |
| 16                                        | 160 min  | 25°C        | 8.5    |
| 17                                        | 170 min  | 25°C        | 9.0    |
| 18                                        | 180 min  | 25°C        | 9.5    |
| 19                                        | 190 min  | 25°C        | 10.0   |
| 20                                        | 200 min  | 25°C        | 10.5   |
| 21                                        | 210 min  | 25°C        | 11.0   |
| 22                                        | 220 min  | 25°C        | 11.5   |
| 23                                        | 230 min  | 25°C        | 12.0   |
| 24                                        | 240 min  | 25°C        | 12.5   |
| 25                                        | 250 min  | 25°C        | 13.0   |
| 26                                        | 260 min  | 25°C        | 13.5   |
| 27                                        | 270 min  | 25°C        | 14.0   |
| 28                                        | 280 min  | 25°C        | 14.5   |
| 29                                        | 290 min  | 25°C        | 15.0   |
| 30                                        | 300 min  | 25°C        | 15.5   |
| 31                                        | 310 min  | 25°C        | 16.0   |
| 32                                        | 320 min  | 25°C        | 16.5   |
| 33                                        | 330 min  | 25°C        | 17.0   |
| 34                                        | 340 min  | 25°C        | 17.5   |
| 35                                        | 350 min  | 25°C        | 18.0   |
| 36                                        | 360 min  | 25°C        | 18.5   |
| 37                                        | 370 min  | 25°C        | 19.0   |
| 38                                        | 380 min  | 25°C        | 19.5   |
| 39                                        | 390 min  | 25°C        | 20.0   |
| 40                                        | 400 min  | 25°C        | 20.5   |
| 41                                        | 410 min  | 25°C        | 21.0   |
| 42                                        | 420 min  | 25°C        | 21.5   |
| 43                                        | 430 min  | 25°C        | 22.0   |
| 44                                        | 440 min  | 25°C        | 22.5   |
| 45                                        | 450 min  | 25°C        | 23.0   |
| 46                                        | 460 min  | 25°C        | 23.5   |
| 47                                        | 470 min  | 25°C        | 24.0   |
| 48                                        | 480 min  | 25°C        | 24.5   |
| 49                                        | 490 min  | 25°C        | 25.0   |
| 50                                        | 500 min  | 25°C        | 25.5   |
| 51                                        | 510 min  | 25°C        | 26.0   |
| 52                                        | 520 min  | 25°C        | 26.5   |
| 53                                        | 530 min  | 25°C        | 27.0   |
| 54                                        | 540 min  | 25°C        | 27.5   |
| 55                                        | 550 min  | 25°C        | 28.0   |
| 56                                        | 560 min  | 25°C        | 28.5   |
| 57                                        | 570 min  | 25°C        | 29.0   |
| 58                                        | 580 min  | 25°C        | 29.5   |
| 59                                        | 590 min  | 25°C        | 30.0   |
| 60                                        | 600 min  | 25°C        | 30.5   |
| 61                                        | 610 min  | 25°C        | 31.0   |
| 62                                        | 620 min  | 25°C        | 31.5   |
| 63                                        | 630 min  | 25°C        | 32.0   |
| 64                                        | 640 min  | 25°C        | 32.5   |
| 65                                        | 650 min  | 25°C        | 33.0   |
| 66                                        | 660 min  | 25°C        | 33.5   |
| 67                                        | 670 min  | 25°C        | 34.0   |
| 68                                        | 680 min  | 25°C        | 34.5   |
| 69                                        | 690 min  | 25°C        | 35.0   |
| 70                                        | 700 min  | 25°C        | 35.5   |
| 71                                        | 710 min  | 25°C        | 36.0   |
| 72                                        | 720 min  | 25°C        | 36.5   |
| 73                                        | 730 min  | 25°C        | 37.0   |
| 74                                        | 740 min  | 25°C        | 37.5   |
| 75                                        | 750 min  | 25°C        | 38.0   |
| 76                                        | 760 min  | 25°C        | 38.5   |
| 77                                        | 770 min  | 25°C        | 39.0   |
| 78                                        | 780 min  | 25°C        | 39.5   |
| 79                                        | 790 min  | 25°C        | 40.0   |
| 80                                        | 800 min  | 25°C        | 40.5   |
| 81                                        | 810 min  | 25°C        | 41.0   |
| 82                                        | 820 min  | 25°C        | 41.5   |
| 83                                        | 830 min  | 25°C        | 42.0   |
| 84                                        | 840 min  | 25°C        | 42.5   |
| 85                                        | 850 min  | 25°C        | 43.0   |
| 86                                        | 860 min  | 25°C        | 43.5   |
| 87                                        | 870 min  | 25°C        | 44.0   |
| 88                                        | 880 min  | 25°C        | 44.5   |
| 89                                        | 890 min  | 25°C        | 45.0   |
| 90                                        | 900 min  | 25°C        | 45.5   |
| 91                                        | 910 min  | 25°C        | 46.0   |
| 92                                        | 920 min  | 25°C        | 46.5   |
| 93                                        | 930 min  | 25°C        | 47.0   |
| 94                                        | 940 min  | 25°C        | 47.5   |
| 95                                        | 950 min  | 25°C        | 48.0   |
| 96                                        | 960 min  | 25°C        | 48.5   |
| 97                                        | 970 min  | 25°C        | 49.0   |
| 98                                        | 980 min  | 25°C        | 49.5   |
| 99                                        | 990 min  | 25°C        | 50.0   |
| 100                                       | 1000 min | 25°C        | 50.5   |

TABLE XIc.—*A Statement of Age on First Attack, First Recovery, First Relapse, calculated from information obtained. Age on Death from Asylum Statistics.*

| Age on First Attack. |     |     |     | First Recovery. |     |     | First Relapse. |     |        | Age on Death. |     |     |
|----------------------|-----|-----|-----|-----------------|-----|-----|----------------|-----|--------|---------------|-----|-----|
|                      | M.  | F.  | T.  | M.              | F.  | T.  | M.             | F.  | T.     | M.            | F.  | T.  |
| - 20                 | 45  | 21  | 66  | 10              | 4   | 14  | 1              | ... | 1      | 1             | ... | 1   |
| 25                   | 52  | 55  | 107 | 17              | 18  | 35  | 3              | 3   | 6      | ...           | 2   | 2   |
| 30                   | 66  | 68  | 134 | 21              | 19  | 40  | 4              | 3   | 7      | 4             | 2   | 6   |
| 35                   | 55  | 53  | 108 | 14              | 20  | 34  | 3              | 6   | 9      | 7             | 4   | 11  |
| 40                   | 38  | 35  | 73  | 11              | 14  | 25  | 3              | 8   | 11     | 8             | 1   | 9   |
| 45                   | 34  | 38  | 72  | 15              | 17  | 32  | 3              | 6   | 9      | 5             | 2   | 7   |
| 50                   | 29  | 26  | 55  | 10              | 10  | 20  | 4              | 2   | 6      | 9             | 1   | 10  |
| 55                   | 28  | 36  | 64  | 6               | 18  | 24  | 4              | 9   | 13     | 9             | 6   | 15  |
| 60                   | 13  | 13  | 26  | 3               | 4   | 7   | 3              | 1   | 4      | 8             | 9   | 17  |
| 65                   | 17  | 11  | 28  | 4               | 3   | 7   | 3              | ... | 3      | 8             | 5   | 13  |
| 70                   | 15  | 10  | 25  | 4               | 5   | 9   | 1              | 1   | 2      | 13            | 11  | 24  |
| 75                   | 7   | 9   | 16  | 1               | 2   | 3   | 1              | 1   | 2      | 8             | 7   | 15  |
| + 75                 | 1   | 7   | 8   | 1               | 2   | 3   | ...            | ... | ...    | 11            | 19  | 30  |
|                      | 400 | 382 | 782 | 117             | 136 | 253 | 33             | 40  | 73     | 91            | 69  | 160 |
| Unknown              | 8   | 5   | 13  |                 |     |     |                |     |        |               |     |     |
| Idiots .             | 11  | 3   | 14* |                 |     |     |                |     | Idiots | 4             | ... | 4   |
|                      | 419 | 390 | 809 |                 |     |     |                |     |        | 95            | 69  | 164 |



TABLE XII.—*Showing the Admissions and Recoveries of Persons during Forty Years, so far as Asylum Statistics go.*

|                                                                                              | M.  | F.  | T.   |                                                                           |
|----------------------------------------------------------------------------------------------|-----|-----|------|---------------------------------------------------------------------------|
| Persons admitted . . . . .                                                                   | 504 | 475 | 979  |                                                                           |
| Of whom discharged recovered                                                                 | 156 | 166 | 322  | Being 32·89 per cent. of<br>the persons admitted<br>(M. 30·95, F. 34·94). |
| Of whom readmitted relapsed .                                                                | 39  | 48  | 87   |                                                                           |
| Leaving recovered and not<br>relapsed . . . . .                                              | 117 | 118 | 235  |                                                                           |
| Relapsed persons recovered .                                                                 | 26  | 25  | 51   |                                                                           |
| Net recovered persons . . .                                                                  | 143 | 143 | 286  | Being 29·21 per cent. of<br>the persons admitted<br>(M. 28·37, F. 30·10). |
| <i>Showing Admissions and Recoveries of Cases during Forty Years.<br/>Asylum Statistics.</i> |     |     |      |                                                                           |
| Admitted . . . . .                                                                           | 599 | 585 | 1184 |                                                                           |
| Recovered . . . . .                                                                          | 180 | 204 | 384  | Being 32·43 per cent. of<br>the cases admitted<br>(M. 30·05, F. 34·87).   |



TABLE XIII.—*Recoveries after First Admission, correlated with Neuro-Persons recovered and not*

| Form of Mental Disorder on First Attack. | Heredity Neuro-pathic or None. | Number of Recoveries. |     | AGE PERIODS.     |    |    |      |    |    |       |    |    |         |    |    |              |    |    |      |    |    |       |    |    |         |    |    |    |
|------------------------------------------|--------------------------------|-----------------------|-----|------------------|----|----|------|----|----|-------|----|----|---------|----|----|--------------|----|----|------|----|----|-------|----|----|---------|----|----|----|
|                                          |                                |                       |     | On First Attack. |    |    |      |    |    |       |    |    |         |    |    | On Recovery. |    |    |      |    |    |       |    |    |         |    |    |    |
|                                          |                                |                       |     | Adol.            |    |    | Mat. |    |    | Clim. |    |    | Senile. |    |    | Adol.        |    |    | Mat. |    |    | Clim. |    |    | Senile. |    |    |    |
|                                          |                                |                       |     | M.               | F. | T. | M.   | F. | T. | M.    | F. | T. | M.      | F. | T. | M.           | F. | T. | M.   | F. | T. | M.    | F. | T. | M.      | F. | T. |    |
| Melancholia, Recent                      | NP.                            | 19                    | 22  | 41               | 6  | 4  | 10   | 8  | 11 | 19    | 2  | 6  | 8       | 3  | 1  | 4            | 5  | 4  | 9    | 9  | 11 | 20    | 2  | 6  | 8       | 3  | 1  | 4  |
|                                          | None                           | 8                     | 7   | 15               | .. | .. | ..   | 4  | 6  | 10    | 3  | 1  | 4       | 1  | .. | 1            | .. | .. | 4    | 6  | 10 | 3     | 1  | 4  | 1       | .. | 1  |    |
|                                          | Both                           | 27                    | 29  | 56               | 6  | 4  | 10   | 12 | 17 | 29    | 5  | 7  | 12      | 4  | 1  | 5            | 5  | 4  | 9    | 13 | 17 | 30    | 5  | 7  | 12      | 4  | 1  | 5  |
| Melancholia, Chronic                     | NP.                            | 19                    | 14  | 33               | 6  | 5  | 11   | 8  | 6  | 14    | 4  | 3  | 7       | 1  | .. | 1            | 2  | .. | 2    | 7  | 5  | 12    | 9  | 8  | 17      | 1  | 1  | 2  |
|                                          | None                           | 5                     | 7   | 12               | 3  | 1  | 4    | 1  | .. | 1     | 1  | 4  | 5       | .. | 2  | 2            | 1  | .. | 1    | 3  | 1  | 4     | 1  | 4  | 5       | .. | 2  | 2  |
|                                          | Both                           | 24                    | 21  | 45               | 9  | 6  | 15   | 9  | 6  | 15    | 5  | 7  | 12      | 1  | 2  | 3            | 3  | .. | 3    | 10 | 6  | 16    | 10 | 12 | 22      | 1  | 3  | 4  |
| Mania, Recent                            | NP.                            | 30                    | 30  | 60               | 8  | 10 | 18   | 15 | 12 | 27    | 7  | 8  | 15      | .. | .. | 8            | 9  | 17 | 15   | 13 | 28 | 6     | 8  | 14 | 1       | .. | 1  |    |
|                                          | None                           | 10                    | 14  | 24               | 6  | 4  | 10   | 2  | 4  | 6     | 2  | 5  | 7       | .. | 1  | 1            | 4  | 4  | 8    | 4  | 4  | 8     | 2  | 5  | 7       | .. | 1  | 1  |
|                                          | Both                           | 40                    | 44  | 84               | 14 | 14 | 28   | 17 | 16 | 33    | 9  | 13 | 22      | .. | 1  | 1            | 12 | 13 | 25   | 19 | 17 | 36    | 8  | 13 | 21      | 1  | 1  | 2  |
| Mania, Chronic                           | NP.                            | 13                    | 26  | 39               | 7  | 8  | 15   | 3  | 9  | 12    | 1  | 8  | 9       | 2  | 1  | 3            | 5  | 2  | 7    | 4  | 9  | 13    | 2  | 13 | 15      | 2  | 2  | 4  |
|                                          | None                           | 11                    | 5   | 16               | 2  | 2  | 4    | 5  | 2  | 7     | 2  | 1  | 3       | 2  | .. | 2            | .. | 2  | 2    | 7  | 1  | 8     | 2  | 1  | 3       | 2  | 1  | 3  |
|                                          | Both                           | 24                    | 31  | 55               | 9  | 10 | 19   | 8  | 11 | 19    | 3  | 9  | 12      | 4  | 1  | 5            | 5  | 4  | 9    | 11 | 10 | 21    | 4  | 14 | 18      | 4  | 3  | 7  |
| Delusional                               | NP.                            | 1                     | 4   | 5                | .. | .. | ..   | 1  | 2  | 3     | .. | 2  | 2       | .. | .. | ..           | .. | .. | 1    | 3  | 4  | ..    | 1  | 1  | ..      | .. | .. | .. |
|                                          | None                           | 2                     | 1   | 3                | .. | 1  | 1    | 2  | .. | 2     | .. | .. | ..      | .. | .. | ..           | .. | 1  | 1    | 2  | .. | 2     | .. | .. | ..      | .. | .. |    |
|                                          | Both                           | 3                     | 5   | 8                | .. | 1  | 1    | 3  | 2  | 5     | .. | 2  | 2       | .. | .. | ..           | .. | 1  | 1    | 3  | 3  | 6     | .. | 1  | 1       | .. | .. | .. |
| Dementia                                 | NP.                            | 2                     | 1   | 3                | .. | .. | ..   | .. | .. | 2     | 1  | 3  | ..      | .. | .. | ..           | .. | .. | ..   | .. | .. | 2     | 1  | 3  | ..      | .. | .. | .. |
|                                          | None                           | ..                    | 1   | 1                | .. | .. | ..   | 1  | 1  | ..    | .. | .. | ..      | .. | .. | ..           | .. | .. | 1    | 1  | .. | ..    | .. | .. | ..      | .. | .. |    |
|                                          | Both                           | 2                     | 2   | 4                | .. | .. | ..   | .. | .. | ..    | .. | .. | ..      | .. | .. | ..           | .. | .. | 1    | 1  | .. | ..    | .. | .. | ..      | .. | .. |    |
| Totals Neuropathic                       |                                | 84                    | 97  | 181              | 27 | 27 | 54   | 35 | 40 | 75    | 16 | 28 | 44      | 6  | 2  | 8            | 20 | 15 | 35   | 36 | 41 | 77    | 21 | 37 | 58      | 7  | 4  | 11 |
| ,, None                                  |                                | 36                    | 35  | 71               | 11 | 8  | 19   | 14 | 13 | 27    | 8  | 11 | 19      | 3  | 3  | 6            | 5  | 7  | 12   | 20 | 13 | 33    | 8  | 11 | 19      | 3  | 4  | 7  |
| ,, Both                                  |                                | 120                   | 132 | 252              | 38 | 35 | 73   | 49 | 53 | 102   | 24 | 39 | 63      | 9  | 5  | 14           | 25 | 22 | 47   | 56 | 54 | 110   | 29 | 48 | 77      | 10 | 8  | 18 |



*pathic Heredity, Age Periods, and Duration since First Attack. Also relapsed. Certified Patients.*

| DURATION SINCE FIRST ATTACK IN MONTHS AND YEARS. |    |    |            |    |    |             |    |    |              |    |    |              |    |    |              |    |    |               |    |    | RECOVERED.    |    |    |               |    |    |               |    |    |           |    |    |               |    |    |
|--------------------------------------------------|----|----|------------|----|----|-------------|----|----|--------------|----|----|--------------|----|----|--------------|----|----|---------------|----|----|---------------|----|----|---------------|----|----|---------------|----|----|-----------|----|----|---------------|----|----|
| -3<br>mos.                                       |    |    | -6<br>mos. |    |    | -12<br>mos. |    |    | -2<br>years. |    |    | -3<br>years. |    |    | -5<br>years. |    |    | -10<br>years. |    |    | -20<br>years. |    |    | -30<br>years. |    |    | +30<br>years. |    |    | Relapsed. |    |    | Not Relapsed. |    |    |
| M.                                               | F. | T. | M.         | F. | T. | M.          | F. | T. | M.           | F. | T. | M.           | F. | T. | M.           | F. | T. | M.            | F. | T. | M.            | F. | T. | M.            | F. | T. | M.            | F. | T. | M.        | F. | T. |               |    |    |
| 2                                                | .. | 2  | 7          | 6  | 13 | 5           | 8  | 13 | 5            | 5  | 10 | ..           | 1  | 1  | ..           | 1  | 1  | ..            | 1  | 1  | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..        | .. | .. | ..            |    |    |
| 2                                                | 1  | 3  | ..         | .. | .. | 5           | 4  | 9  | 1            | 2  | 3  | ..           | .. | .. | ..           | .. | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..        | .. | .. | ..            |    |    |
| 4                                                | 1  | 5  | 7          | 6  | 13 | 10          | 12 | 22 | 6            | 7  | 13 | ..           | 1  | 1  | ..           | 1  | 1  | ..            | 1  | 1  | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..        | .. | .. | ..            |    |    |
| 2                                                | .. | 2  | 3          | .. | 3  | 3           | .. | 3  | 6            | .. | 6  | ..           | 3  | 3  | 2            | 3  | 5  | 1             | 4  | 5  | 2             | .. | 2  | ..            | 2  | 2  | ..            | 2  | 2  | ..        | .. | .. | ..            | .. |    |
| ..                                               | .. | .. | 3          | .. | 3  | 1           | 1  | 2  | 1            | .. | 1  | ..           | 1  | 1  | ..           | 2  | 2  | ..            | 1  | 1  | ..            | 1  | 1  | ..            | 1  | 1  | ..            | .. | .. | ..        | .. | .. | ..            | .. |    |
| 2                                                | .. | 2  | 6          | .. | 6  | 4           | 1  | 5  | 7            | .. | 7  | ..           | 4  | 4  | 2            | 5  | 7  | 1             | 5  | 6  | 2             | 1  | 3  | ..            | 3  | 3  | ..            | 2  | 2  | ..        | .. | .. | ..            | .. |    |
| 8                                                | 7  | 15 | 12         | 12 | 24 | 7           | 8  | 15 | 3            | 2  | 5  | ..           | 1  | 1  | ..           | .. | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..        | .. | .. | ..            | .. |    |
| 1                                                | 3  | 4  | 5          | 7  | 12 | 4           | 3  | 7  | ..           | 1  | 1  | ..           | .. | .. | ..           | .. | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..        | .. | .. | ..            | .. |    |
| 9                                                | 10 | 19 | 17         | 19 | 36 | 11          | 11 | 22 | 3            | 3  | 6  | ..           | .. | .. | ..           | .. | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..        | .. | .. | ..            | .. |    |
| 3                                                | .. | 3  | ..         | .. | .. | 4           | 2  | 6  | 2            | 4  | 6  | 1            | 5  | 6  | 2            | 3  | 5  | 1             | 6  | 7  | ..            | 4  | 4  | ..            | 2  | 2  | ..            | .. | .. | ..        | .. | .. | ..            | .. | .. |
| ..                                               | .. | .. | 4          | .. | 4  | 2           | .. | 2  | 3            | 3  | 6  | ..           | .. | .. | 1            | .. | 1  | 1             | 1  | 2  | ..            | 1  | 1  | ..            | .. | .. | ..            | .. | .. | ..        | .. | .. | ..            | .. | .. |
| 3                                                | .. | 3  | 4          | .. | 4  | 6           | 2  | 8  | 5            | 7  | 12 | 1            | 5  | 6  | 3            | 3  | 6  | 2             | 7  | 9  | ..            | 5  | 5  | ..            | 2  | 2  | ..            | .. | .. | ..        | .. | .. | ..            | .. | .. |
| ..                                               | .. | .. | 1          | 1  | .. | ..          | .. | .. | 1            | 1  | .. | ..           | .. | .. | 1            | 1  | 1  | 1             | 2  | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..        | .. | .. | ..            | .. | .. |
| ..                                               | .. | .. | ..         | .. | .. | 1           | 1  | 2  | 1            | .. | 1  | ..           | .. | .. | ..           | .. | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..        | .. | .. | ..            | .. | .. |
| ..                                               | .. | .. | 1          | 1  | 1  | 1           | 1  | 2  | 1            | 1  | 2  | ..           | .. | .. | 1            | 1  | 1  | 1             | 2  | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..        | .. | .. | ..            | .. | .. |
| ..                                               | 1  | 1  | 1          | .. | 1  | ..          | .. | .. | ..           | .. | .. | ..           | .. | .. | 1            | .. | 1  | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..        | .. | .. | ..            | .. | .. |
| ..                                               | 1  | 1  | 1          | .. | 1  | ..          | .. | .. | ..           | .. | .. | ..           | .. | .. | 1            | 1  | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..        | .. | .. | ..            | .. | .. |
| ..                                               | 2  | 2  | 2          | .. | 2  | ..          | .. | .. | ..           | .. | .. | ..           | .. | .. | 1            | 1  | 2  | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..            | .. | .. | ..        | .. | .. | ..            | .. | .. |
| 15                                               | 8  | 23 | 23         | 19 | 42 | 19          | 18 | 37 | 16           | 12 | 28 | 1            | 10 | 11 | 5            | 8  | 13 | 3             | 12 | 15 | 2             | 4  | 6  | ..            | 4  | 4  | ..            | 2  | 2  | ..        | .. | .. | ..            | .. | .. |
| 3                                                | 4  | 7  | 12         | 7  | 19 | 13          | 9  | 22 | 6            | 6  | 12 | ..           | 1  | 1  | 1            | 3  | 4  | 1             | 2  | 3  | ..            | 2  | 2  | ..            | 1  | 1  | ..            | .. | .. | ..        | .. | .. | ..            | .. | .. |
| 18                                               | 12 | 30 | 35         | 26 | 61 | 32          | 27 | 59 | 22           | 18 | 40 | 1            | 11 | 12 | 6            | 11 | 17 | 4             | 14 | 18 | 2             | 6  | 8  | ..            | 5  | 5  | ..            | 2  | 2  | ..        | .. | .. | ..            | .. | .. |



TABLE XIII<sub>A</sub>.—*Relapsed Cases.*

|                  | M.  | F.  | T.  |                                                 | M.  | F.  | T.  |
|------------------|-----|-----|-----|-------------------------------------------------|-----|-----|-----|
| First Admissions | 419 | 390 | 809 | —of whom these had one or more previous attacks | 92  | 103 | 195 |
| Readmissions . . | 76  | 97  | 173 | —of whom these were admitted relapsed .         | 31  | 45  | 76  |
| Total            | 495 | 487 | 982 |                                                 | 123 | 148 | 271 |
|                  |     |     |     | Add reported relapsed after final discharge     | 11  | 7   | 18  |
|                  |     |     |     |                                                 | 134 | 155 | 289 |

## RELAPSED PERSONS.

(289 Cases as above referable to 250 Persons.)

|                | M.  | F.  | T.  |                                      |
|----------------|-----|-----|-----|--------------------------------------|
| Of 250 persons | 81  | 74  | 155 | had 2 attacks, being 19·15 % of 809. |
|                | 16  | 22  | 38  | „ 3 „ „ 4·69 „                       |
|                | 2   | 13  | 15  | „ 4 „ „ 1·85 „                       |
|                | 0   | 3   | 3   | „ 5 „ „ 0·36 „                       |
|                | 3   | 2   | 5   | „ 6 „ „ 0·61 „                       |
|                | 12  | 11  | 23  | had many „ „ 2·96 „                  |
|                | 5   | 6   | 11  | unknown number, „ 1·36 „             |
|                | 119 | 131 | 250 | Sum 30·98 „                          |

Or

|                |     | Recovered here<br>after First<br>Admission. | Recovered after<br>Removal. | Recovered after<br>Removal and<br>Readmission. | Total. |
|----------------|-----|---------------------------------------------|-----------------------------|------------------------------------------------|--------|
| Of Males . . . | 419 | 120                                         | 25                          | 1                                              | 146    |
| „ Females . .  | 390 | 132                                         | 26                          | 3                                              | 161    |
| Total . . .    | 809 | 252                                         | 51                          | 4                                              | 307    |

## Not Relapsed.

| Of Males . . . | 146 | 53  | 12 | 1 | 66  |
|----------------|-----|-----|----|---|-----|
| „ Females . .  | 161 | 57  | 14 | 2 | 73  |
| Total . . .    | 307 | 110 | 26 | 3 | 139 |

## Percentages.

|                |     | Total Recoveries 34·84% | Permanent Recoveries 15·75% |
|----------------|-----|-------------------------|-----------------------------|
| Of Males . . . | 419 | „ „ 41·28%              | „ „ 18·71%                  |
| „ Females . .  | 390 | „ „ 37·94%              | „ „ 17·18%                  |
| Total . . .    | 809 |                         |                             |





TABLE XIV.—*Causes of Death, correlated with Neuropathic Heredity and Forms of Mental Disorder on admission. Certified Patients admitted and readmitted. Asylum Statistics.*

|                    |     | FORMS OF ORDINARY INSANITY. |    |    |        |    |    |             |    |    |           |    |    |            |    |     |
|--------------------|-----|-----------------------------|----|----|--------|----|----|-------------|----|----|-----------|----|----|------------|----|-----|
| Cause of Death.    |     | Melancholia.                |    |    | Mania. |    |    | Delusional. |    |    | Dementia. |    |    | Aggregate. |    |     |
|                    |     | M.                          | F. | T. | M.     | F. | T. | M.          | F. | T. | M.        | F. | T. | M.         | F. | T.  |
| Cerebro-Spinal . . | NP. | 3                           | .. | 3  | 11     | 10 | 21 | 3           | .. | 3  | 15        | 2  | 17 | 32         | 12 | 44  |
|                    | O.  | 2                           | 2  | 4  | 7      | 6  | 13 | 3           | 1  | 4  | 8         | 1  | 9  | 20         | 10 | 30  |
|                    | T.  | 5                           | 2  | 7  | 18     | 16 | 34 | 6           | 1  | 7  | 23        | 3  | 26 | 52         | 22 | 74  |
| Circulatory . .    | NP. | 1                           | 3  | 4  | 2      | 4  | 6  | 1           | .. | 1  | 2         | 1  | 3  | 6          | 8  | 14  |
|                    | O.  | ..                          | 2  | 2  | 2      | 4  | 6  | 2           | .. | 2  | 1         | .. | 1  | 5          | 6  | 11  |
|                    | T.  | 1                           | 5  | 6  | 4      | 8  | 12 | 3           | .. | 3  | 3         | 1  | 4  | 11         | 14 | 25  |
| Respiratory . .    | NP. | 3                           | .. | 3  | 3      | 4  | 7  | ..          | .. | .. | ..        | .. | .. | 6          | 4  | 10  |
|                    | O.  | 1                           | .. | 1  | 1      | 1  | 2  | 1           | 1  | 2  | 2         | .. | 2  | 5          | 2  | 7   |
|                    | T.  | 4                           | .. | 4  | 4      | 5  | 9  | 1           | 1  | 2  | 2         | .. | 2  | 11         | 6  | 17  |
| Alimentary . .     | NP. | ..                          | 3  | 3  | 1      | .. | 1  | ..          | .. | .. | ..        | 1  | 1  | 1          | 4  | 5   |
|                    | O.  | ..                          | .. | .. | ..     | .. | .. | ..          | .. | .. | ..        | .. | .. | ..         | .. | ..  |
|                    | T.  | ..                          | 3  | 3  | 1      | .. | 1  | ..          | .. | .. | ..        | 1  | 1  | 1          | 4  | 5   |
| Urinary . . . .    | NP. | ..                          | 1  | 1  | 2      | 1  | 3  | ..          | 2  | 2  | ..        | 1  | 1  | 2          | 5  | 7   |
|                    | O.  | ..                          | .. | .. | ..     | .. | .. | ..          | .. | .. | ..        | .. | .. | ..         | .. | ..  |
|                    | T.  | ..                          | 1  | 1  | 2      | 1  | 3  | ..          | 2  | 2  | ..        | 1  | 1  | 2          | 5  | 7   |
| General . . . .    | NP. | 2                           | 3  | 5  | 3      | 5  | 8  | 2           | .. | 2  | 4         | 2  | 6  | 11         | 10 | 21  |
|                    | O.  | 1                           | 1  | 2  | 1      | 3  | 4  | ..          | 1  | 1  | 2         | 2  | 4  | 4          | 7  | 11  |
|                    | T.  | 3                           | 4  | 7  | 4      | 8  | 12 | 2           | 1  | 3  | 6         | 4  | 10 | 15         | 17 | 32  |
| Accidental . . .   | NP. | ..                          | 1  | 1  | 2      | .. | 2  | ..          | .. | .. | 1         | .. | 1  | 3          | 1  | 4   |
|                    | O.  | ..                          | .. | .. | ..     | .. | .. | ..          | .. | .. | ..        | .. | .. | ..         | .. | ..  |
|                    | T.  | ..                          | 1  | 1  | 2      | .. | 2  | ..          | .. | .. | 1         | .. | 1  | 3          | 1  | 4   |
| Grand Aggregate {  | NP. | 9                           | 11 | 20 | 24     | 24 | 48 | 6           | 2  | 8  | 22        | 7  | 29 | 61         | 44 | 105 |
|                    | O.  | 4                           | 5  | 9  | 11     | 14 | 25 | 6           | 3  | 9  | 13        | 3  | 16 | 34         | 25 | 59  |
|                    | T.  | 13                          | 16 | 29 | 35     | 38 | 73 | 12          | 5  | 17 | 35        | 10 | 45 | 95         | 69 | 164 |

Table 1. Summary of results obtained with the method of  
analysis of the data obtained from the various patients  
and the results obtained from the various patients.

| Patient |   | Results |   |
|---------|---|---------|---|
| 1       | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 2       | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 3       | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 4       | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 5       | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 6       | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 7       | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 8       | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 9       | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 10      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 11      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 12      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 13      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 14      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 15      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 16      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 17      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 18      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 19      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 20      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 21      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 22      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 23      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 24      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 25      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 26      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 27      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 28      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 29      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 30      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 31      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 32      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 33      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 34      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 35      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 36      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 37      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 38      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 39      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 40      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 41      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 42      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 43      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 44      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 45      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 46      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 47      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 48      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 49      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 50      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 51      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 52      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 53      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 54      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 55      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 56      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 57      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 58      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 59      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 60      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 61      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 62      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 63      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 64      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 65      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 66      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 67      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 68      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 69      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 70      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 71      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 72      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 73      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 74      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 75      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 76      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 77      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 78      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 79      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 80      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 81      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 82      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 83      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 84      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 85      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 86      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 87      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 88      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 89      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 90      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 91      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 92      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 93      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 94      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 95      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 96      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 97      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 98      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 99      | 1 | 1       | 1 |
|         | 2 | 2       | 2 |
| 100     | 1 | 1       | 1 |
|         | 2 | 2       | 2 |

TABLE XV.—Age at Death, with duration of Fatal Malady and duration of Mental Disorder from First Attack.  
All Deaths from first admissions and readmissions. Asylum Statistics.

| Age at Death in Years. | Duration of Fatal Malady. |         |         |         |        |         |         |         |         |         | Duration of Mental Disorder. |        |         |         |         |         |          |          |          |          | Total Deaths. |          |          |
|------------------------|---------------------------|---------|---------|---------|--------|---------|---------|---------|---------|---------|------------------------------|--------|---------|---------|---------|---------|----------|----------|----------|----------|---------------|----------|----------|
|                        |                           |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
|                        | -1 mo.                    | -3 mos. | -6 mos. | -9 mos. | -1 yr. | -2 yrs. | -3 yrs. | +3 yrs. | -3 mos. | -6 mos. | -9 mos.                      | -1 yr. | -2 yrs. | -3 yrs. | -4 yrs. | -5 yrs. | -10 yrs. | -20 yrs. | -30 yrs. | -40 yrs. |               | -50 yrs. | -60 yrs. |
| Males.                 |                           |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -15 .                  | 1                         |         |         |         |        |         |         |         |         |         |                              |        | 1       |         |         |         |          |          |          |          |               |          |          |
| -20 .                  |                           |         |         |         |        |         |         |         |         |         |                              |        | 1       |         |         |         |          |          |          |          |               |          |          |
| -25 .                  |                           |         |         |         |        |         |         |         |         |         |                              |        | 1       |         |         |         |          |          |          |          |               |          |          |
| -30 .                  | 1                         | 1       | 1       | 1       | 1      | 2       | 2       | 7       | 2       | 4       | 4                            | 1      | 1       | 4       |         |         |          |          | 1        | 2        |               |          |          |
| -40 .                  | 2                         | 1       | 1       | 1       | 1      |         |         |         | 1       |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -45 .                  | 2                         |         |         |         |        |         |         |         |         |         |                              |        | 2       |         |         |         |          |          |          |          |               |          |          |
| -50 .                  |                           |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -55 .                  | 1                         |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -60 .                  | 5                         | 1       |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -65 .                  | 3                         |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -75 .                  | 9                         |         |         |         |        |         |         |         |         |         |                              |        | 3       | 1       | 1       |         |          | 2        | 1        | 2        | 1             | 1        |          |
| -80 .                  | 4                         |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          | 1        | 1        | 2        | 2             | 1        |          |
| -90 .                  | 2                         |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          | 1        | 1        | 1        | 1             | 3        |          |
| Totals                 | 30                        | 3       | 2       | 2       | 5      | 5       | 10      | 38      | 16      | 7       | 7                            | 3      | 8       | 11      | 5       | 1       | 6        | 12       | 4        | 5        | 5             |          |          |
| Females.               |                           |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -15 .                  | 1                         |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -20 .                  |                           |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -25 .                  |                           |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -30 .                  | 1                         |         |         |         |        |         |         |         |         |         |                              |        | 2       |         |         |         |          |          |          |          |               |          |          |
| -35 .                  | 2                         |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -40 .                  | 1                         |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -45 .                  |                           | 2       |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -50 .                  | 1                         |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -55 .                  | 1                         |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -60 .                  | 1                         | 1       | 2       |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -65 .                  | 3                         | 1       |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -70 .                  | 5                         | 2       |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -75 .                  | 3                         |         |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| -80 .                  | 3                         | 1       |         |         |        |         |         |         |         |         |                              |        | 1       | 1       | 2       | 1       | 1        | 2        | 1        | 1        | 2             | 2        |          |
| -90 .                  | 4                         | 1       |         |         |        |         |         |         |         |         |                              |        |         |         |         |         |          |          |          |          |               |          |          |
| Totals                 | 26                        | 8       | 4       | 2       | 7      | 3       | 10      | 26      | 7       | 5       | 4                            | 3      | 3       | 8       | 6       | 2       | 13       | 4        | 2        | 3        | 5             | 1        | 69       |
| Grand Totals           | 56                        | 11      | 6       | 2       | 12     | 8       | 20      | 64      | 23      | 12      | 11                           | 6      | 11      | 19      | 11      | 3       | 19       | 16       | 6        | 8        | 10            | 1        | 164      |

1875

1876

1877

1878

1879

1880

1881

1882

1883

1884





TABLE XVI.—continued.

|                               |                           |              |              |              |             |             |              |              |               |              |             |              |              |              |         |     |               |                |              |              |              |              |                |              |               |               |              |               |                |              |                |                |
|-------------------------------|---------------------------|--------------|--------------|--------------|-------------|-------------|--------------|--------------|---------------|--------------|-------------|--------------|--------------|--------------|---------|-----|---------------|----------------|--------------|--------------|--------------|--------------|----------------|--------------|---------------|---------------|--------------|---------------|----------------|--------------|----------------|----------------|
| Organic Cerebral Disease .    | { M. 45<br>F. 6           | 7<br>1       | 7<br>1       | 7<br>1       | 2<br>..     | 2<br>..     | 2<br>2       | 2<br>2       | 1<br>1        | 1<br>5       | 2<br>..     | 2<br>..      | 3<br>2       | 3<br>1       | ..      | ..  | 17<br>2       | 25<br>5        | 6<br>..      | 8<br>1       | 6<br>1       | 10<br>1      | 30<br>3        | 2<br>2       | 26<br>1       | 6<br>2        | 3<br>1       | 8<br>1        | 45<br>7        | 1<br>1       | 7<br>..        | 36<br>3        |
| Exotoxic—Alcohol, etc. .      | { T. 51<br>M. 66<br>F. 18 | 8<br>10<br>2 | 8<br>13<br>1 | 8<br>10<br>2 | 2<br>4<br>1 | 2<br>8<br>1 | 2<br>10<br>3 | 2<br>47<br>8 | 1<br>3<br>8   | 2<br>1<br>1  | 2<br>..     | 2<br>..      | 5<br>13<br>1 | 4<br>2<br>.. | ..      | ..  | 19<br>19<br>8 | 30<br>37<br>9  | 6<br>4<br>1  | 9<br>15<br>4 | 7<br>7<br>3  | 11<br>6<br>3 | 33<br>32<br>11 | 4<br>4<br>1  | 27<br>14<br>3 | 8<br>6<br>1   | 4<br>12<br>3 | 9<br>63<br>14 | 2<br>6<br>3    | 7<br>10<br>1 | 39<br>27<br>12 |                |
| Autotoxic—Gout, etc. .        | { T. 84<br>M. 20<br>F. 16 | 12<br>2<br>3 | 14<br>3<br>2 | 14<br>3<br>2 | 3<br>..     | 4<br>..     | 4<br>..      | 9<br>2<br>3  | 13<br>7<br>11 | 5<br>2<br>3  | 1<br>2<br>1 | 1<br>1<br>.. | 14<br>1<br>1 | 2<br>1<br>2  | 2<br>.. | ..  | 27<br>8<br>10 | 46<br>12<br>13 | 5<br>3<br>2  | 19<br>4<br>2 | 10<br>1<br>4 | 9<br>..      | 43<br>8<br>8   | 5<br>5<br>6  | 17<br>3<br>.. | 33<br>7<br>3  | 7<br>1<br>3  | 15<br>3<br>3  | 77<br>19<br>14 | 9<br>4<br>1  | 11<br>4<br>..  | 39<br>8<br>7   |
| Tuberculous . . .             | { T. 36<br>M. 18<br>F. 9  | 5<br>1<br>1  | 5<br>7<br>2  | 5<br>7<br>2  | ..          | ..          | ..           | 3<br>3<br>1  | 18<br>11<br>6 | 5<br>2<br>2  | 2<br>2<br>1 | 2<br>..      | 3<br>1<br>1  | 3<br>..      | ..      | ..  | 18<br>6<br>6  | 25<br>8<br>8   | 5<br>6<br>.. | 6<br>2<br>3  | 5<br>2<br>3  | ..           | 16<br>11<br>6  | 11<br>6<br>1 | 3<br>2<br>1   | 10<br>6<br>4  | 3<br>1<br>.. | 6<br>..       | 33<br>19<br>6  | 5<br>5<br>2  | 4<br>2<br>1    | 15<br>3<br>7   |
| Syphilitic . . .              | { T. 27<br>M. 24<br>F. 1  | 2<br>2<br>.. | 9<br>6<br>1  | 9<br>6<br>1  | ..          | 2<br>..     | 2<br>..      | 1<br>5<br>.. | 17<br>16<br>1 | 5<br>5<br>.. | ..          | ..           | 3<br>1<br>.. | 1<br>4<br>.. | ..      | ..  | 12<br>10<br>1 | 16<br>17<br>1  | 6<br>3<br>.. | 5<br>5<br>.. | 5<br>2<br>.. | 1<br>3<br>.. | 17<br>13<br>.. | 7<br>2<br>.. | 3<br>7<br>..  | 10<br>10<br>1 | 3<br>2<br>.. | 1<br>..       | 25<br>24<br>1  | 7<br>4<br>.. | 3<br>7<br>..   | 10<br>11<br>.. |
| Traumatic and Sunstroke .     | { M. 16<br>F. 1           | ..           | 1<br>..      | 1<br>..      | ..          | ..          | ..           | 1<br>2<br>.. | 2<br>..       | 5<br>1<br>.. | 2<br>..     | 2<br>..      | 1<br>1<br>.. | 4<br>1<br>.. | ..      | ..  | 11<br>6<br>.. | 18<br>7<br>..  | 3<br>..      | 5<br>..      | 2<br>3<br>.. | 3<br>6<br>.. | 13<br>6<br>..  | 2<br>2<br>.. | 7<br>3<br>..  | 11<br>6<br>.. | 2<br>3<br>.. | 3<br>..       | 25<br>16<br>.. | 4<br>3<br>.. | 7<br>3<br>..   | 11<br>8<br>..  |
| Sequelæ Fevers . . .          | { T. 17<br>M. 13<br>F. 12 | ..           | 1<br>2<br>1  | 1<br>2<br>1  | ..          | ..          | ..           | 1<br>2<br>.. | 2<br>6<br>2   | 1<br>..      | 1<br>..     | 1<br>..      | 1<br>..      | ..           | ..      | ..  | 6<br>11<br>5  | 7<br>12<br>5   | ..           | ..           | 2<br>4<br>.. | 3<br>1<br>.. | 6<br>7<br>4    | 2<br>4<br>2  | 3<br>..       | 6<br>4<br>5   | 2<br>3<br>1  | 3<br>2<br>2   | 16<br>13<br>12 | 3<br>3<br>2  | 3<br>1<br>2    | 8<br>6<br>5    |
| Tot. of above—M. 202, F. 63 = | T. 25                     | 3            | 3            | 3            | ..          | ..          | ..           | 2<br>8       | 141           | 33           | 141         | 7            | 27           | 14           | 2       | ..  | 109           | 159            | 25           | 50           | 36           | 28           | 139            | 37           | 62            | 87            | 25           | 41            | 1253           | 35           | 38             | 133            |
| Grand Totals—M. 390, F. 342 = | T. 25                     | 84           | 118          | 118          | 27          | 24          | 35           | 90           | 378           | 18           | 103         | 54           | 2            | 1            | 292     | 470 | 115           | 150            | 84           | 72           | 421          | 153          | 112            | 252          | 75            | 101           | 7700         | 148           | 81             | 282          |                |                |



TABLE XVII.—*Showing the Incidence of Heredity in Patients addicted to the intemperate use of Alcohol and Drugs. Certified Class.*

| Heredity of—         |    |    |     | Percentage calculated on 110. |       |       |
|----------------------|----|----|-----|-------------------------------|-------|-------|
|                      | M. | F. | T.  | M.                            | F.    | T.    |
| Insanity . . . .     | 39 | 8  | 47  | 45·88                         | 32·00 | 42·73 |
| Neuroses . . . .     | 5  | 1  | 6   | 5·88                          | 4·00  | 5·45  |
| Alcoholism . . . .   | 16 | 8  | 24  | 18·83                         | 32·00 | 21·82 |
| None ascertained . . | 25 | 8  | 33  | 29·41                         | 32·00 | 30·00 |
|                      | 85 | 25 | 110 | 100·00                        |       |       |

| By Periods—           |    |    |     | Percentage calculated on 110. |       |       |
|-----------------------|----|----|-----|-------------------------------|-------|-------|
|                       |    |    |     |                               |       |       |
| First to 1884 . . . . | 10 | 3  | 13  | 11·77                         | 12·00 | 11·82 |
| Second to 1894 . . .  | 22 | 5  | 27  | 25·88                         | 20·00 | 24·54 |
| Third to 1904 . . . . | 53 | 17 | 70  | 62·35                         | 68·00 | 63·64 |
|                       | 85 | 25 | 110 | 100·00                        |       |       |



