

The Commonwealth of Massachusetts.

ANNUAL REPORT

OF THE

Mass:

TRUSTEES OF THE GRAFTON
STATE HOSPITAL at

North Grafton and Worcester,
(Insane).
FOR THE

YEAR ENDING NOVEMBER 30, 1923

DEPARTMENT OF MENTAL DISEASES



4

MASSACHUSETTS
STATE ARCHIVES
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PUBLICATION OF THIS DOCUMENT
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OFFICERS OF THE HOSPITAL

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The Commonwealth of Massachusetts.

TRUSTEES' REPORT

To His Excellency, the Governor and His Honorable Council:

The Trustees of the Grafton State Hospital herewith submit the forty-sixth annual report, with the reports of the Superintendent and Treasurer appended.

The past year has been one of great achievement at the hospital and the results attained are most gratifying to this board.

The general health of the patients has been excellent and but very few accidents have occurred. Improved methods have been adopted in caring for patients, that have resulted in their greater benefit and happiness.

The wards have been made homelike and attractive; entertainments and diversions of various kinds have been provided to a greater extent than ever before. Progress has been the keynote. The completion of large projects of construction, the beautifying of the Hospital grounds, and a greatly increased farm production, are among the gratifying reports of the year. We take great pride in the physical condition of our wards. The highest standard of cleanliness is maintained everywhere. Every ward is adorned with pictures, draperies, flowers, refinished furniture, etc., so that even our most disturbed wards have a decidedly homelike atmosphere, all being products of our patients' work along the line of Occupational Therapy, and therefore made available at practically no expense.

The efforts of the Superintendent in securing outside entertainments from organizations who gave their services, have been remarkably successful, and this has resulted in contributing many happy hours to the patients.

The clearing and beautifying of the Hospital grounds has been progressive and has reached such a point, that it attracts favorable attention and is much appreciated by visitors and patients. The large, swampy area near the railroad tracks and carpenter shop has been filled in and a large salvage house constructed there.

The water system connecting the Hospital grounds with Worcester has been completed, also the laying of many thousands of feet of pipe and the placing of hydrants on the hospital grounds. Every building containing patients now has

P.D. 112.

an inside standpipe with hose. Since the larger pipe and hydrants have been installed on hospital grounds and our pressure increased we are now in a stronger condition to care for any fire than ever before. It happens that our wooden buildings housing patients are at the extremity of our groups, a mile away from the Central Firehouse, and their location is an argument in favor of the hospital having good roads on its own property.

Two different road construction projects have been carried out, giving us macadam road from the Hospital to Oaks Street. New road construction has been carried out at the Oaks Group. We feel that money should be appropriated especially for the purpose of constructing roads in order that the business of the Hospital may be carried on more economically, and in case of fire, our apparatus may reach outlying wards more readily.

The large barns built entirely by Hospital labor were covered in and plastered, and No. 1 Barn was in use at the end of the year.

The installation of a new cement conduit for steam pipes at the Oaks was started. This is a very large project and should result in an economy in the saving of coal at this group.

Until a Chapel and Central Assembly Hall is granted, a deplorable lack of proper accommodations will continue to exist at the Hospital. The necessity of this building is self-evident, and an appropriation has been asked for, year after year. We urgently request you to give your most favorable consideration to this pressing need, that has been so long deferred.

Our buildings are so situated that all patients must walk a considerable distance out of doors in going to and coming from their meals. This means that the opportunities of escape are so great, and the exposure of the patients to the various kinds of weather so undesirable and oft times dangerous, we feel that there should be tunnels constructed in the two groups where are housed our more disturbed mental patients. We, therefore, ask for money for the construction of a tunnel from Elms A to the Elms Service Building and for a tunnel in the Pines Group.

Fifteen thousand dollars for an addition to the Pines kitchen is again requested since it is felt that this will result in economies of food and the number of employees.

We desire at this time to express our appreciation of our esteemed Superintendent, Dr. Harlan L. Paine, who has the interests of the Hospital so greatly at heart and who labors devotedly and unceasingly for its welfare. We wish also to express our gratitude to the Staff, and to the employees of the Hospital, all of whom have co-operated loyally and unselfishly in the faithful performance of their respective duties.

It is this spirit of co-operation and good-will, linked with the vision and efficiency of our devoted Superintendent, that has placed Grafton State Hospital where it stands today, a leader among the Hospitals of the State.

FRANK B. HALL, *Chairman*.

FRANCIS PRESCOTT.

MARGARET A. CASHMAN.

ENOS H. BIGELOW.

FLORA M. CANGIANO.

ERNEST L. ANDERSON.

WINSLOW P. BURHOE.

SUPERINTENDENT'S REPORT

To the Trustees of the Grafton State Hospital:

I respectfully present herewith the forty-sixth annual report of the Superintendent for the fiscal year ending November 30, 1923, with the statistics relating to patients for the period of one year ending, September 30, 1923.

MOVEMENT OF THE POPULATION.

The hospital year began October 1, 1922, with 1,465 patients in the hospital, 24 on visit, 28 on escape and 7 in family care, a total of 1,507. Fifty-eight patients were admitted during the year, twenty-six directly from the community diagnosed as epileptics with psychosis.

MEDICAL WORK.

Dr. T. Roland Ekwall was appointed June 1st, 1923, as Assistant Physician with the understanding that he could leave the service to fill an appointment at the Worcester City Hospital, December 1st. He gave us excellent service.

Dr. Charles E. LaFleur was appointed, September 29, 1923.

During the summer months two internes, Harold J. Curran and Ambrose J. Connelly, students from Tufts Medical School gave us faithful and conscientious service.

We had no resignations during the year from the Hospital Staff.

During the year a complete physical examination and urine examination was done on each patient. Notes were made on all patients at least once every three months. No restraint was used in this hospital during the past year. Great strides have been made in cutting down the amount of seclusion and a corresponding increase in the use of hydrotherapy in the treatment of our patients.

A physician, social worker and psychologist have held clinics in Natick, Northbridge, Stowe, Belmont, Groton, Concord and Chelmsford for the examination of backward school children.

The dentist has continued his most useful service caring for patients' teeth using our well equipped offices on each side. In his laboratory he has been able to make many plates for artificial teeth which have been greatly appreciated by our patients.

The dental report for the following year is as follows: Cement and porcelain fillings 78; Amalgam 141; Cleaning 1,521; Roots extracted 1,018; Teeth extracted 854; Denture 44; Interdental splints were made for two patients with fractured maxilla (lower).

The room in the basement of the Administration Building has been finished, a concrete floor installed and our pharmacy moved in there. The large room formerly used for a pharmacy is now used for a laboratory. A complete laboratory equipment which has been purchased during the last two years has been installed there and Dr. Ashmore appointed pathologist.

The X-Ray machine installed last year is operated by Dr. Smith and has given excellent service.

An orchestra under the direction of Dr. McAuslan has resulted in the saving of a considerable sum of money and has made available music for the entertainment of patients as desired.

DIVERSIONAL TREATMENT.

Cognizant of the benefits to the patients along this line of treatment last year the same effort was expended this year to procure entertainments and a great many organizations and individuals responded to the invitation extended them. I

wish to thank the William DeLisle Post of the American Legion of Grafton and North Grafton and their auxiliary for their untiring efforts in interesting outside organizations in presenting entertainments at this hospital, as well as for the suppers, dinners and other good times given our Ex-service men patients, also the Auxiliary for the frequent gifts of candy, fruit, and reading matter sent to the hospital during the year. I also thank the Upton and Westboro American Legion Auxiliaries for their kind remembrances during the year. To the Knott Motor Car Company of Westboro, the National Sugar Refining Company, and the Plymouth Cordage Company I thank for some very splendid film versions of their products. I also wish to thank at this time the following for entertainments, books and magazines, candy and other remembrances: Mr. Frank B. Hall, M. Francis Prescott, Dr. Enos H. Bigelow, Miss Margaret Brigham, the teachers and pupils of the Norcross School of Grafton, the Christian Workers Union of Framingham, also an unknown donor who weekly sends pictorials from Wellesley Hills, the members of the choir of St. Mary's Church, the Congregational Church of Grafton, the Second Baptist Church of North Grafton, the Woman's Club of North Grafton, the North Grafton Brass Band, the Disabled Veterans' Association of Worcester and the employees of this hospital who so willingly and kindly gave their time and efforts in the various amateur performances thruout the year, also the members of the Hospital Orchestra.

The Christmas festivities were carried to an extent never reached before. Early in the month in response to letters and folders sent out, packages came in for the patients, numbering nine hundred and seventy-five before Christmastide had passed. In many instances money was sent in lieu of gifts with request that our discretion be used in purchasing a suitable gift for some designated patient. I wish to express my grateful appreciation for donations of money received from Dr. Enos H. Bigelow of Framingham, Mrs. L. Vernon Briggs of Boston and Miss Fife Beals of Rockland, to be expended for worthy patients not receiving home gifts. Every patient received a gift from the hospital. Evergreen trees were electrically lighted with red and green bulbs, one in front of the Women's hospital and another in front of the Men's Hospital and, in addition to being visible to most of our patients, could be seen for many miles in either direction from the steam and electric railroads.

The various holidays thru out the year were celebrated in some way, either with an entertainment provided by the hospital employees or some outside organization or by a dance in the afternoon or evening.

Weekly dances have been held, also a weekly motion picture entertainment of very high grade.

FARM.

The farm has had the most successful year of its career. The milk production has increased 1,200 pounds per cow during the past year. This is an increase of 2,170 pounds during the past two years. On November 30th we had 31 heifer calves and recent test shows them free from tuberculosis. Twenty-eight cows recently purchased have been installed in our new barn together with tubercular free stock raised during the past two years. All tubercular cattle have been moved to the Oaks Group. The barn at Employees Cottage is now being torn down.

We have continued to clear fields and have entirely completed the clearing of our large field east of the Administration Building. New drains have been made in this field in addition to the one constructed last year and it should be possible to work this field easily in the Spring and raise most of our small vegetables there.

Practically all of the dead chestnut has been cut on the hospital grounds and replacement made of five thousand evergreen trees, 2,000 Scotch Pine, 2,000 Spruce and one thousand White Pine. These have been set in areas designated by a representative of the State Forestry Department. The largest amount of pork ever produced in this hospital was produced this year, (60,000 lbs.); a larger number of eggs were produced than ever before with a smaller number of hens.

An idea of the amount of vegetables raised may be judged by the few following figures: Potatoes 357,200 lbs., Tomatoes 35,319 lbs., Turnips 20,677 lbs., Cabbage 30,178 lbs., Beets 13,900 lbs., with sundry other vegetables in like quantities.

REPAIRS AND IMPROVEMENTS.

We have continued to beautify our wards with paint, pictures, rugs, flowers, etc., so that now even the most disturbed wards have a decided home atmosphere.

A new maple floor was laid in Pines B. New concrete baseboards were installed.

Radiator guards at the Men's Hospital have been installed and also at Pines C, and Elms A. It was felt to be very necessary since we have many epileptics in these three buildings. The danger of their falling and being burned has always been great.

The wooden floor above the bake ovens has been protected by metal lath and cement so that the danger from fire should be greatly reduced in that location.

A large cement conduit 500 feet long has been built to care for the steam pipe line at the Oaks Group. A 5" steam line with 2" returns has been installed, protected by suitable covering to retain heat and securely bound in place by copper wire. This takes the place of old rotted wooden boxes thru which steam pipes formerly run. This was a very large project. Hundreds of tons of rock were removed from the land in front of Oaks A and B and used in building a stone pier several hundred feet long to support the cement conduit in order that it might be kept at the proper level to secure returns.

Patients have painted Elms A and Elms D, interior, also Pines D, during the year. The painters during the year completed painting the interior and exterior of the buildings comprising the Elms Group, the Administration Building, two cottages on the Westboro Road, Pines B and D, Pines Nurses Home and most of the buildings at the Willows Group.

SPECIAL APPROPRIATIONS.

The installation of water pipes from Worcester was completed and water turned on August 13th with appropriate ceremony, and the appropriation of \$45,000.00 for installation for the pipes and fire protection on the hospital grounds was completed in November. We have now a 12" water line running from Worcester to the hospital and distributed to each group in 10" pipes. Water can be thrown on each building with 100 feet of hose from two hydrants. Fifty four additional hydrants were installed. Many hundreds of feet of 4" water pipe were replaced with larger pipe. Check valves installed and hundreds of shut-off valves were put in so that now we have a complete and perfect water system. The water pressure has been increased everywhere 35 lbs.; the Administration Building pressure is 75 lbs., and the boiler room 90 lbs., to the square inch.

A new fence was built around the reservoir which is so constructed it will keep any small animal or a man from climbing over or a mouse from digging under. Since we plan to hold water there for long periods as an emergency measure it is necessary to have the protection of such a fence.

At the end of the year a second cow barn had been completed. This makes two large barns, 124 feet long, and one large hay barn constructed during the past two years by our employees and has enabled us to destroy the tumbled down structures that formerly housed our cattle and horses.

No. 1 Barn was built of hollow tile; No. 2 Barn of cement blocks made on the grounds (of which 5,300 were made by patients during the past winter). The entire group of barns were covered with stucco and concrete asbestos shingles put on the roof which makes a very attractive appearance.

A cement block building 18 x 100' was built and a very large area filled in with stone foundation in the rear of the Carpenter Shop. This area and building will be used for a Salvage Yard.

IMPROVEMENTS RECOMMENDED.

Each day the disadvantages of the hospital location and distribution of buildings has been brought out with increased force. The hospital grounds borders along the main highway for a distance of about two miles with many of our buildings very close to the road. This is a much travelled road between Central Massachusetts and Boston and we are continually bothered by automobile parties creating

disturbances at night, trespassing on our grounds and stealing garden products. Our grounds are not protected by fences nor our entrances by gates. Other town highways go thru our grounds so that the cost of providing proper fences and gates would be prohibitive. Also we have the main trunk line of the Boston and Albany Railroad going directly thru our grounds and separating the male from the female side.

In addition to this our patients are cared for in separate buildings, so spread out and not connected by tunnels or roads that it is difficult to supervise and run economically. Costly equipment which in the block type hospital has only to be provided once, with our hospital in its many buildings has to be provided in each building. If the buildings were arranged in such a manner that there could be a central service unit, a farm center, industrial center, etc., our task would be much easier. As they are now laid out it will always be impossible to establish such centers in advantageous locations.

It is difficult to conceive of a hospital having its buildings distributed in a more inconvenient or inefficient manner for heating, the giving of service to the patients such as heating, feeding, the drainage of grounds, the providing of nursing and medical service.

We are able to report continual and great progress in landscape work in beautifying the grounds and the installation of roads. Thousands of tons of rock were moved during the past year.

Again we ask for money for an Assembly Hall, centrally located where patients could be brought for church services, entertainments, etc. At the present time the day halls at Pines C and Elms B are used for this purpose and the amount of time, including that of men, horses and either attendants or nurses, in transporting such commodities as are needed in either place is very large in the course of a season. Also there is the danger of taking the patients from their wards to these recreation points after dark.

The addition to the Pines Kitchen is also asked for this year. If this is granted we would be able to close the Willows Kitchen and thus save the wages of two employees.

Tunnels in the Pines Group and one from Elms A to the Elms Service Building to care for patients going from their wards to the dining rooms is again asked for. The hazard to their health from exposure to all sorts of weather as well as the opportunities afforded for their escape when travelling back and forth for meals is so emphatic that we respectfully ask that this project be given careful consideration.

CONCLUSIONS.

I wish to thank the officers and employees for their faithfulness and co-operation in our mutual purpose in alleviating the mental and physical suffering of those in our charge.

To you, the Board of Trustees, I wish to acknowledge the help and advice which has been given so freely and I fully appreciate the many evidences of your continued support and confidence, and thank you for them.

Respectfully submitted,

HARLAN L. PAINE,
Superintendent.

TREASURER'S REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1923.

CASH ACCOUNT

| | | |
|---|--------------------|--------------|
| Balance December 1, 1922..... | | \$13,597.94 |
| <i>Income</i> | <i>Receipts</i> | |
| Board of Inmates: | | |
| Private | \$1,825.00 | |
| Reimbursements, insane..... | <u>10,404.13</u> | |
| | | \$12,229.13 |
| Personal Services: | | |
| Reimbursement from Board of Retirement | | 177.66 |
| Sales: | | |
| Food | \$3,164.39 | |
| Clothing and materials | 79.64 | |
| Furnishings and household supplies | 15.00 | |
| Medical and general care | 35.75 | |
| Farm: | | |
| Cows and calves | \$184.48 | |
| Pigs and hogs | 5.00 | |
| Hides | 68.01 | |
| Other stock..... | 10.00 | |
| Use of teams | 2.00 | |
| Sundries | <u>2.16</u> | |
| | | 271.65 |
| Repairs, ordinary | <u>46.16</u> | |
| Total sales | | 3,612.59 |
| Miscellaneous: | | |
| Interest on bank balances | 611.30 | |
| Rent | <u>1,244.95</u> | |
| | | 1,856.25 |
| Total income | | 17,875.63 |
| Other receipts: | | |
| Refunds of previous year | | 114.01 |
| Refunds account of wages unclaimed | | <u>13.61</u> |
| | | 127.62 |
| <i>Receipts from Treasury of Commonwealth</i> | | |
| Maintenance Appropriations: | | |
| Balance of 1922 | \$47,405.94 | |
| Advance money (Amount on hand Nov. 30), returned to State Treasurer | — | |
| Approved schedules of 1923 | <u>456,011.53</u> | |
| | | 503,417.47 |
| Special appropriations: | | |
| Balance of 1922 | 1,984.15 | |
| Approved schedules of 1923 | <u>36,094.29</u> | |
| | | 38,078.44 |
| Total | | \$573,097.10 |
| | <i>Payments</i> | |
| To Treasury of Commonwealth: | | |
| Institution income..... | \$17,875.63 | |
| Refunds of Previous Year | 114.01 | |
| Refunds account of wages unclaimed | <u>13.61</u> | |
| | | \$18,003.25 |
| Maintenance appropriations: | | |
| November schedules | \$87,405.94 | |
| Less advances | <u>26,230.99</u> | |
| | | \$61,174.95 |
| Approved schedules of 1923 | <u>441,011.53</u> | |
| | | 517,186.48 |
| Special appropriations: | | |
| Balance of schedules of previous year | \$1,984.15 | |
| Approved schedules of 1923 | <u>\$36,094.29</u> | |
| Less returned | 171.07 | |
| Less advances, last year's report | <u>35,923.22</u> | |
| | | 37,907.37 |
| Total | | \$573,097.10 |

MAINTENANCE

| | |
|--|---------------------|
| Balance from previous year, brought forward | \$992.07 |
| Appropriation, current year | 533,321.03 |
| Total | \$534,313.10 |
| Expenses (as analyzed below) | 513,707.01 |
| Balance reverting to Treasury of Commonwealth | \$20,606.09 |

Analysis of Expenses

| | |
|--|---------------------|
| Personal services | \$228,980.50 |
| Religious instruction | 1,380.00 |
| Travel, transportation and office expenses | 4,330.08 |
| Food | 94,508.07 |
| Clothing and materials | 19,653.49 |
| Furnishings and Household supplies | 27,536.49 |
| Medical and general care | 10,511.96 |
| Heat, light and power | 60,215.46 |
| Farm | 27,798.29 |
| Garage, stable and grounds | 4,493.49 |
| Repairs, ordinary | 19,186.04 |
| Repairs and renewals | 15,113.14 |
| Total expenses for maintenance | \$513,707.01 |

SPECIAL APPROPRIATIONS

| | |
|--|--------------------|
| Balance December 1, 1922 | \$74,150.41 |
| Expended during the year (see statement below) | \$50,745.67 |
| Reverting to Treasury of Commonwealth | 552.97 |
| Balance November 30, 1923, carried to next year | \$22,851.77 |

| ОБЪЕКТ | Act or Resolve | Whole Amount | Expended during Fiscal Year | Total Expended to Date | Balance at End of Year |
|----------------------------------|----------------|--------------|-----------------------------|------------------------|------------------------|
| Additional Water Supply | C313-1917 | 105,000.00 | 24,463.90 | \$92,231.20 | 12,768.80 |
| Coal Trestle | C 50-1918 | 10,000.00 | 536.83* | 10,000.00 | |
| Additional Fire Protection | C153-1919 | 6,000.00 | 480.05 | 5,985.11 | 14.89* |
| Cow Barn | C203-1921 | 10,400.00 | 2,394.59 | 10,398.75 | 1.25* |
| Water System | C129-1922 | 45,000.00 | 11,807.00 | 43,148.90 | 1,851.10 |
| Cottage | C129-1922 | 5,000.00 | 1,764.61 | 1,764.61 | 3,235.39 |
| Certain Barns | C129-1922 | 15,000.00 | 9,851.66 | 10,019.66 | 4,980.34 |
| | | \$196,400.00 | \$851,298.64 | \$8173,548.23 | \$22,851.77 |

| | |
|--|--------------------|
| *Balance reverting to Treasury of the Commonwealth | \$16.14 |
| Balance carried to next year | 22,835.63 |
| Total as above | \$22,851.77 |

RESOURCES AND LIABILITIES

Total advance returned to State Treasurer Nov. 30, 1923.

PER CAPITA

During the year the average number of inmates has been 1,457.43.
 Total cost for maintenance, \$513,707.01.
 Equal to a weekly per capita cost of \$6.7782. (52 weeks to year.)
 Receipt from sales, \$3,612.59.
 Equal to a weekly per capita of \$0.0476.
 All other institution receipts, \$14,263.04.
 Equal to a weekly per capita of \$0.1882.
 Net weekly per capita \$6.5424.

Respectfully submitted,

SUSIE G. WARREN,
Treasurer.

Examined and found correct as compared with the records in the office of the Comptroller.

JAMES C. McCORMICK,
Comptroller.

VALUATION

NOVEMBER 30, 1923.

REAL ESTATE

| | |
|-----------------------|----------------|
| Land (908 Acres)..... | \$28,426.50 |
| Buildings..... | 1,406,614.47 |
| | <hr/> |
| | \$1,435,040.97 |

PERSONAL PROPERTY

| | |
|--|--------------|
| Travel, Transportation and Office Supplies | \$497.22 |
| Food | 28,053.34 |
| Clothing and Materials | 28,540.48 |
| Furnishings and Household Supplies | 92,740.17 |
| Medical and General Care | 8,938.19 |
| Heat, Light and Power..... | 26,417.08 |
| Farm | 28,631.15 |
| Garage, Stable and Grounds | 3,910.24 |
| Repairs | 19,391.73 |
| | <hr/> |
| | \$237,119.60 |

SUMMARY

| | |
|-------------------------|----------------|
| Real Estate | \$1,435,040.97 |
| Personal Property | 237,119.60 |
| | <hr/> |
| | \$1,672,160.57 |

STATISTICAL TABLES

AS ADOPTED BY AMERICAN PSYCHIATRIC ASSOCIATION

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES.

TABLE 1.—*General Information.*

| | | | |
|--|-------|-------|-------------|
| 1. Date of opening institution, Oct. 23, 1877. | | | |
| 2. Type of institution, State. | | | |
| 3. Hospital plant: | | | |
| Real estate, including building | | | \$1,435,041 |
| Personal property | | | 237,119 |
| | | | <hr/> |
| Total | | | \$1,672,160 |
| Total acreage, 908. | | | |
| Acreage under cultivation, 180.25. | | | |
| 4. Medical service: | Men | Women | Total |
| Superintendent | 1 | — | 1 |
| Assistant superintendent | 1 | — | 1 |
| Assistant physicians | 5 | 1 | 6 |
| Dentist | 1 | — | 1 |
| | <hr/> | <hr/> | <hr/> |
| | 8 | 1 | 9 |
| 5. Employees: | | | |
| Graduate nurses | — | 9 | 9 |
| Other nurses and attendants | 50 | 48 | 98 |
| Social worker | — | 1 | 1 |
| All other employees | 77 | 50 | 127 |
| | <hr/> | <hr/> | <hr/> |
| | 127 | 108 | 235 |
| 6. Percentage of patients employed during year | 50 | 39 | 44 |

TABLE 2.—*Financial Statement.*

See treasurer's report for data requested under this table.

TABLE 3.—*Movement of Patients Population for the year ending September 30, 1923.*

| | M. | F. | T. |
|---|--------|--------|----------|
| 1. Patients on books of Institution Sept. 30, 1921 | 779 | 746 | 1,525 |
| 2. Admissions during year: | | | |
| a. First admissions | 10 | 8 | 18 |
| b. Re-admissions | 5 | 3 | 8 |
| Total admissions | 15 | 11 | 26 |
| c. Transfers from other institutions | 2 | 30 | 32 |
| 3. Total received during year | 17 | 41 | 58 |
| 4. Total on books during year | 786 | 787 | 1,583 |
| 5. Discharged from books during year: | | | |
| a. As recovered | - | - | - |
| b. As improved | 7 | - | 7 |
| c. As unimproved | 14 | 1 | 15 |
| d. As without psychosis | 2 | - | 2 |
| e. Transferred to other institutions for insane | 3 | 1 | 4 |
| f. Died during year | 23 | 24 | 47 |
| 6. Total discharged, transferred, and died during year | 49 | 26 | 75 |
| 7. Patients remaining on books, Sept. 30, 1923 | 747 | 760 | 1,507 |
| <i>Supplementary Data</i> | | | |
| 8. a. Average daily number of patients on books during year | 761.17 | 735.74 | 1,496.91 |
| b. Average daily number of patients actually in institution during year | 725.05 | 723.42 | 1,448.47 |
| 9. a. Number of voluntary patients admitted during year | 1 | - | 1 |
| b. Number of temporary care patients admitted during year | - | - | - |
| 10. a. Average daily number of patients in family care during year | - | 6.944 | 6.944 |
| b. Average daily number of patients on visit and escape during year | 35.12 | 12.32 | 47.44 |
| 11. Number of patients actually remaining in institution Sept. 30, 1923 | 715 | 739 | 1,454 |
| State | 712 | 737 | 1,449 |
| Private | 3 | 2 | 5 |
| 12. Number of patients in family care, Sept. 30, 1923 | - | 11 | 11 |
| State | - | 7 | 7 |
| (Self supporting), private | - | 4 | 4 |
| 13. Number of different persons within the year | 796 | 787 | 1,583 |
| 14. Number of different persons admitted from community | 15 | 11 | 26 |
| 15. Number of different persons dismissed exclusive of transfer | 46 | 26 | 72 |
| 16. Number of non-insane patients or inmates at end of year | - | - | - |

TABLE 4.—*Nativity of First Admissions and of Parents of First Admissions.*

| | Patients | | | Parents of Male Patients | | | Parents of Female Patients | | |
|---------------|-----------|----------|-----------|--------------------------|-----------|-----------|----------------------------|----------|-----------|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| United States | 8 | 7 | 15 | 8 | 5 | 13 | 1 | 1 | 2 |
| Canada | 2 | - | 2 | 1 | 2 | 3 | - | - | - |
| Lithuania | - | - | - | - | - | - | 1 | 1 | 2 |
| Ireland | - | - | - | - | 2 | 2 | 2 | 2 | 4 |
| Russia | - | 1 | 1 | - | - | - | 1 | - | 1 |
| Unascertained | - | - | - | 1 | 1 | 2 | 3 | 4 | 7 |
| Total | 10 | 8 | 18 | 10 | 10 | 20 | 8 | 8 | 16 |

TABLE 5.—*Citizenship of First Admissions.*

| | M. | F. | T. |
|---------------|-----------|----------|-----------|
| By birth | 8 | 7 | 15 |
| Naturalized | - | - | - |
| Aliens | 2 | - | 2 |
| Unascertained | - | 1 | 1 |
| Total | 10 | 8 | 18 |

TABLE 6.—*Psychoses of First Admissions.*

| PSYCHOSES | | | | | | |
|--------------------|-----------|----------|-----------|-----------|----------|-----------|
| | M. | F. | T. | M. | F. | T. |
| Epileptic | 10 | 8 | 18 | - | - | - |
| With deterioration | - | - | - | 6 | 7 | 13 |
| With psychoses | - | - | - | 3 | - | 3 |
| Not insane | - | - | - | 1 | - | 1 |
| Clouded states | - | - | - | - | 1 | 1 |
| Total | 10 | 8 | 18 | 10 | 8 | 18 |

TABLE 7.—Races of First Admissions Classified with Reference to Psychoses.

| RACE | PSYCHOSES | | | | | | | | |
|-----------------------|-----------|----|----|-----------|----|----|------------|----|----|
| | TOTAL | | | EPILEPTIC | | | NOT INSANE | | |
| | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| African (Black) | 1 | 1 | 2 | 1 | 1 | 2 | | | |
| English | 7 | 4 | 11 | 6 | 4 | 10 | 1 | 0 | 1 |
| Irish | 2 | 1 | 3 | 2 | 1 | 3 | | | |
| Lithuanian | - | 1 | 1 | - | 1 | 1 | | | |
| Slavonic | - | 1 | 1 | - | 1 | 1 | | | |
| Total | 10 | 8 | 18 | 9 | 8 | 17 | 1 | - | 1 |

TABLE 8.—Age of First Admissions Classified with Reference to Principal Psychoses

| PSYCHOSES | YEARS TOTAL | | | 15-19 YEARS | | | 20-24 YEARS | | | 25-29 YEARS | | | 30-34 YEARS | | |
|-------------------------|-------------|----|----|-------------|----|----|-------------|----|----|-------------|----|----|-------------|----|----|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| Epileptic | 9 | 8 | 17 | - | 1 | 1 | - | 1 | 1 | 1 | 2 | 3 | 3 | 1 | 4 |
| Without psychosis | 1 | - | 1 | | | | | | | | | | | | |
| Total | 10 | 8 | 18 | - | 1 | 1 | - | 1 | 1 | 1 | 2 | 3 | 3 | 1 | 4 |

TABLE 8.—Age of First Admissions Classified with Reference to Principal Psychoses—Concluded.

| PSYCHOSES | 35-39 YEARS | | | 40-44 YEARS | | | 45-49 YEARS | | | 50-54 YEARS | | | 55-59 YEARS | | |
|-------------------------|-------------|----|----|-------------|----|----|-------------|----|----|-------------|----|----|-------------|----|----|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| Epileptic | | | | 2 | - | 2 | 1 | 2 | 3 | 2 | - | 2 | - | 1 | 1 |
| Without psychosis | 1 | - | 1 | | | | | | | | | | | | |
| Total | 1 | - | 1 | 2 | - | 2 | 1 | 2 | 3 | 2 | - | 2 | - | 1 | 1 |

TABLE 9.—Degree of Education of First Admissions Classified with Reference to Psychoses.

| PSYCHOSES | TOTAL | | | COMMON SCHOOL | | | UNASCERTAINED | | |
|-------------------------|-------|----|----|---------------|----|----|---------------|----|----|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| Epileptic | 9 | 8 | 17 | 9 | 7 | 16 | - | 1 | 1 |
| Without psychosis | 1 | - | 1 | 1 | - | 1 | | | |
| Total | 10 | 8 | 18 | 10 | 7 | 17 | 0 | 1 | 1 |

TABLE 10.—Environment of First Admissions Classified with Reference to Principal Psychoses.

| PSYCHOSES | TOTAL | | | URBAN | | | RURAL | | |
|-------------------------|-------|----|----|-------|----|----|-------|----|----|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| Epileptic | 9 | 8 | 17 | 9 | 8 | 17 | | | |
| Without psychosis | 1 | - | 1 | 1 | - | 1 | | | |
| Total | 10 | 8 | 18 | 10 | 8 | 18 | | | |

TABLE 11.—*Economic Condition of First Admissions Classified with Reference to Principal Psychoses.*

| PSYCHOSES | TOTAL | | | MARGINAL | | | COMFORTABLE | | |
|-------------------------|-------|----|----|----------|----|----|-------------|----|----|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| Epileptic | 9 | 8 | 17 | 8 | 6 | 14 | 1 | 2 | 3 |
| Without psychoses | 1 | - | 1 | 1 | - | 1 | | | |
| Total | 10 | 8 | 18 | 9 | 6 | 15 | 1 | 2 | 3 |

TABLE 12.—*Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses.*

| PSYCHOSES | TOTAL | | | ABSTINENT | | | TEMPERATE | | | INTEMPERATE | | |
|-------------------------|-------|----|----|-----------|----|----|-----------|----|----|-------------|----|----|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| Epileptic | 9 | 8 | 17 | 4 | 7 | 11 | 3 | 1 | 4 | 2 | - | 2 |
| Without psychoses | 1 | - | 1 | | | | 1 | - | 1 | | | |
| Total | 10 | 8 | 18 | 4 | 7 | 11 | 4 | 1 | 5 | 2 | - | 2 |

TABLE 13.—*Marital Condition of First Admissions with Reference to Principal Psychoses.*

| PSYCHOSES | TOTAL | | | SINGLE | | | MARRIED | | |
|-------------------------|-------|----|----|--------|----|----|---------|----|----|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| Epileptic | 9 | 8 | 17 | 4 | 4 | 8 | 5 | 4 | 9 |
| Without psychoses | 1 | - | 1 | | | | 1 | - | 1 |
| Total | 10 | 8 | 18 | 4 | 4 | 8 | 6 | 4 | 10 |

TABLE 14.—*Psychoses of Re-Admissions.*

| PSYCHOSES | M. | F. | T. |
|------------------------------------|----|----|----|
| Hebephrenic Dementia Praecox | - | 1 | 1 |
| Epilepsy with Psychosis | 1 | 1 | 2 |
| Epilepsy, clouded states | - | 1 | 1 |
| Epilepsy with deterioration | 3 | - | 3 |
| Epilepsy, not insane | 1 | - | 1 |
| Total | 5 | 3 | 8 |

TABLE 15.—*Discharge of Patients Classified with Reference to Principal Psychoses and Condition on Discharge.*

| PSYCHOSES | TOTAL | | | IMPROVED | | | UNIMPROVED | | |
|------------------------------|-------|----|----|----------|----|----|------------|----|----|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| Alcoholic | 1 | - | 1 | 1 | - | 1 | | | |
| Manic depressive | 3 | 1 | 4 | 2 | 1 | 3 | 1 | - | 1 |
| Dementia praecox | 9 | - | 9 | 3 | - | 3 | 6 | - | 6 |
| Psychoneurosis | 1 | - | 1 | 1 | - | 1 | 1 | - | 1 |
| With mental deficiency | 2 | - | 2 | 1 | - | 1 | 1 | - | 1 |
| Without psychosis | 1 | - | 1 | 1 | - | 1 | | | |
| Epileptic psychosis | 4 | . | 5 | 2 | - | 2 | 2 | 1 | 3 |
| Total | 21 | 2 | 23 | 10 | 1 | 11 | 11 | 1 | 12 |

TABLE 16.—Causes of Death of Patients Classified with Reference to Principal Psychoses.

| CAUSES OF DEATH | TOTAL | | | GENERAL PARALYSIS | | | ALCOHOLIC | | | MANIC DEPRESSIVE | | | DEMENTIA PRÆCOX | | |
|---|-------|----|----|-------------------|----|----|-----------|----|----|------------------|----|----|-----------------|----|----|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| General diseases | | | | | | | | | | | | | | | |
| Influenza | 2 | - | 2 | | | | | | | | | | 2 | - | 2 |
| Tuberculosis of lungs | 5 | 7 | 12 | | | | | | | | | | 3 | 3 | 6 |
| Pellagra | - | 1 | 1 | | | | | | | | | | - | 1 | 1 |
| Nervous system | | | | | | | | | | | | | | | |
| Cerebral Hemorrhage | 1 | - | 1 | | | | 1 | - | 1 | | | | | | |
| General paralysis | 1 | 2 | 3 | 1 | 2 | 3 | | | | | | | | | |
| Epilepsy | 2 | 2 | 4 | | | | | | | | | | | | |
| Asphyxia during seizure | 1 | - | 1 | | | | | | | | | | | | |
| Circulatory system | | | | | | | | | | | | | | | |
| Endocarditis | 2 | 2 | 4 | | | | | | | | | | 1 | - | 1 |
| Myocarditis | 3 | - | 3 | | | | | | | | | | 1 | - | 1 |
| Organic heart disease | 1 | 1 | 2 | | | | 1 | - | 1 | | | | - | 1 | 1 |
| Chronic valvular heart disease | 1 | 2 | 3 | | | | | | | - | 1 | 1 | | | |
| Respiratory system | | | | | | | | | | | | | | | |
| Bronchopneumonia | 2 | 1 | 3 | | | | | | | | | | 2 | - | 2 |
| Lobar pneumonia | - | 1 | 1 | | | | | | | | | | | | |
| Pulmonary oedema | 1 | - | 1 | | | | | | | | | | | | |
| Digestive system | | | | | | | | | | | | | | | |
| Intestinal obstruction | 1 | 1 | 2 | | | | | | | | | | | | |
| Peritonitis, cause undetermined | - | 1 | 1 | | | | | | | | | | | | |
| Cirrhosis of liver | - | 1 | 1 | | | | | | | | | | - | 1 | 1 |
| Fracture of cervical vertebrae during seizure | - | 1 | 1 | | | | | | | | | | | | |
| Accidental burns in bath | - | 1 | 1 | | | | | | | | | | | | |
| Total | 23 | 24 | 47 | 1 | 2 | 3 | 2 | - | 2 | - | 1 | 1 | 10 | 7 | 17 |

TABLE 16.—Causes of Death of Patients Classified with Reference to Principal Psychoses—Concluded.

| CAUSES OF DEATH | EPILEPTIC | | | WITH MENTAL DEFICIENCY | | | SENILE | | | OTHER PSYCHOSES | | |
|---|-----------|----|----|------------------------|----|----|--------|----|----|-----------------|----|----|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| General diseases | | | | | | | | | | | | |
| Influenza | | | | | | | | | | | | |
| Tuberculosis of lungs | 2 | 1 | 3 | - | 2 | 2 | - | 1 | 1 | | | |
| Pellagra | | | | | | | | | | | | |
| Nervous system | | | | | | | | | | | | |
| Cerebral Hemorrhage | | | | | | | | | | | | |
| General paralysis | 2 | 2 | 4 | | | | | | | | | |
| Epilepsy | 1 | - | 1 | | | | | | | | | |
| Asphyxia during seizure | | | | | | | | | | | | |
| Circulatory system | | | | | | | | | | | | |
| Endocarditis | 1 | 1 | 2 | - | 1 | 1 | | | | | | |
| Myocarditis | 1 | - | 1 | 1 | - | 1 | | | | | | |
| Organic heart disease | | | | | | | | | | | | |
| Chronic valvular heart disease | | | | | | | | | | | | |
| Respiratory system | | | | | | | | | | | | |
| Bronchopneumonia | - | 1 | 1 | | | | | | | | | |
| Lobar pneumonia | | | | - | 1 | 1 | | | | | | |
| Pulmonary oedema | | | | | | | | | | 1 | - | 1 |
| Digestive system | | | | | | | | | | | | |
| Intestinal obstruction | 1 | - | 1 | - | 1 | 1 | | | | | | |
| Peritonitis, cause undetermined | - | 1 | 1 | | | | | | | | | |
| Cirrhosis of liver | | | | | | | | | | | | |
| Fracture of cervical vertebrae during seizure | - | 1 | 1 | | | | | | | | | |
| Accidental burns in bath | - | 1 | 1 | | | | | | | | | |
| Total | 8 | 8 | 16 | 1 | 5 | 6 | - | 1 | 1 | 1 | - | 1 |

TABLE 17.—Age of Patients at Time of Death Classified with Reference to Principal Psychoses.

| PSYCHOSES | TOTAL YEARS | | | 20-24 YEARS | | | 25-29 YEARS | | | 30-34 YEARS | | | 35-39 YEARS | | | 40-44 YEARS | | |
|---------------------|-------------|----|----|-------------|----|----|-------------|----|----|-------------|----|----|-------------|----|----|-------------|----|----|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| Senile | - | 1 | 1 | | | | | | | | | | | | | | | |
| General paralysis | 1 | 2 | 3 | | | | | | | 1 | - | 1 | | | | | | |
| Huntington's chorea | 1 | - | 1 | | | | | | | | | | | | | | | |
| Alcoholic | 2 | - | 2 | | | | | | | | | | | | | | | |
| Manic depressive | - | 1 | 1 | | | | | | | | | | | | | | | |
| Dementia præcox | 10 | 7 | 17 | | | | - | 1 | 1 | 2 | - | 2 | | | | 2 | 1 | 3 |
| Epileptic | 8 | 8 | 16 | | | | | | | 2 | - | 2 | 1 | - | 1 | - | 3 | 3 |
| Mental deficiency | 1 | 5 | 6 | - | 1 | 1 | | | | | | | | | | - | 1 | 1 |
| Total | 23 | 24 | 47 | - | 1 | 1 | - | 1 | 1 | 5 | - | 5 | 1 | - | 1 | 2 | 5 | 7 |

TABLE 17.—Age of Patients at Time of Death Classified with Reference to Principal Psychoses—Concluded.

| PSYCHOSES | 45-49 YEARS | | | 50-54 YEARS | | | 55-59 YEARS | | | 65-69 YEARS | | | OVER 70 YEARS | | |
|---------------------------|-------------|----|----|-------------|----|----|-------------|----|----|-------------|----|----|---------------|----|----|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| Senile | | | | - | 2 | 2 | | | | | | | - | 1 | 1 |
| General paralysis | | | | | | | 1 | - | 1 | | | | | | |
| Huntington's Chorea | | | | | | | 1 | - | 1 | 1 | - | 1 | | | |
| Alcoholic | | | | | | | | | | 1 | - | 1 | | | |
| Manic depressive | | | | | | | | | | 1 | 1 | 2 | | | |
| Dementia praecox | 1 | 2 | 3 | 4 | - | 4 | - | 1 | 1 | 1 | 1 | 3 | | | |
| Epileptic | 3 | 1 | 4 | 1 | - | 1 | - | 2 | 2 | 1 | 1 | 2 | - | 1 | 1 |
| Mental deficiency | - | 2 | 2 | | | | - | 1 | 1 | 1 | - | 1 | | | |
| Total | 4 | 5 | 9 | 5 | 2 | 7 | 2 | 4 | 6 | 4 | 4 | 8 | - | 2 | 2 |

TABLE 18.—Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Psychoses.

| PSYCHOSES | TOTAL YEARS | | | 1-3 MONTHS | | | 1-2 YEARS | | | 3-4 YEARS | | | 5-6 YEARS | | |
|--------------------------------|-------------|----|----|------------|----|----|-----------|----|----|-----------|----|----|-----------|----|----|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| Senile | - | 1 | 1 | | | | | | | | | | - | 1 | 1 |
| General paralysis | 1 | 2 | 3 | | | | 1 | - | 1 | - | 1 | 1 | - | 1 | 1 |
| With Huntington's chorea | 1 | - | 1 | | | | | | | | | | 1 | - | 1 |
| Alcoholic | 2 | - | 2 | | | | | | | | | | | | |
| Manic depressive | - | 1 | 1 | | | | | | | | | | | | |
| Dementia praecox | 10 | 7 | 17 | | | | | | | | | | | | |
| Epileptic | 8 | 8 | 16 | - | 1 | 1 | 2 | - | 2 | - | 2 | 2 | 2 | 2 | 4 |
| Mental deficiency | 1 | 5 | 6 | | | | | | | | | | 1 | - | 1 |
| Total | 23 | 24 | 47 | - | 1 | 1 | 3 | - | 3 | - | 5 | 5 | 4 | 4 | 8 |

TABLE 18.—Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Psychoses—Concluded.

| PSYCHOSES | 7-8 YEARS | | | 9-10 YEARS | | | 13-14 YEARS | | | 15-19 YEARS | | | OVER 20 YEARS | | |
|--------------------------------|-----------|----|----|------------|----|----|-------------|----|----|-------------|----|----|---------------|----|----|
| | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. | M. | F. | T. |
| Senile | | | | | | | | | | | | | | | |
| General paralysis | | | | | | | | | | | | | | | |
| With Huntington's chorea | | | | | | | | | | | | | | | |
| Alcoholic | | | | | | | | | | 1 | - | 1 | 1 | - | 1 |
| Manic depressive | | | | | | | | | | | | | | 1 | 1 |
| Dementia praecox | 2 | 1 | 3 | | | | 1 | - | 1 | 1 | 2 | 3 | 4 | - | 4 |
| Epileptic | 1 | 2 | 3 | - | 2 | 2 | - | 1 | 1 | 1 | - | 1 | 3 | - | 3 |
| Mental deficiency | 1 | 1 | 2 | - | 2 | 2 | - | 1 | 1 | - | 1 | 1 | | | |
| Total | 4 | 4 | 8 | - | 4 | 4 | 1 | 2 | 3 | 3 | 3 | 6 | 8 | 1 | 9 |

TABLE 19.—Family Care Department.

| | M. | F. | T. |
|---|----|-------|-------|
| Remaining September 30, 1922 | - | 7 | 7 |
| Admitted within year | - | 5 | 5 |
| Whole number of cases within year | - | 12 | 12 |
| Dismissed during year | - | 1 | 1 |
| Remaining September 30, 1923 | - | 11 | 11 |
| Supported by State | - | 7 | 7 |
| Self-supporting | - | 4 | 4 |
| Number of different persons within year | - | 11 | 11 |
| Number of different persons dismissed within year | - | 1 | 1 |
| Daily average number | - | 6.944 | 6.944 |
| State average number | - | 6.5 | 6.5 |

