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The Commonwealth of Massachusetts.

ANNUAL REPORT

OF THE

TRUSTEES

OF THE

Northampton State Hospital

FOR THE

Year ending November 30, 1924

DEPARTMENT OF MENTAL DISEASES



OFFICERS
OF THE
NORTHAMPTON STATE HOSPITAL

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MR. GEORGE C. LUNT, Greenfield
MR. A. K. DARLING, Sunderland

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JOHN A. HOUSTON, M.D., *Superintendent*
EDWARD W. WHITNEY, M.D., *Assistant Superintendent*
ANGELA BOBER, M.D., *Senior Assistant Physician*
ELIZABETH THOMAS, M.D., *Assistant Physician*
GEORGE L. PARKER, M.D., *Assistant Physician*
— — *Assistant Physician*
— — *Assistant Physician*
HARRIET W. WHITNEY, M.D., *Physician to Out-patient and Social Service Departments*
LUCIEN H. HARRIS, D.D.S., *Dentist*

NON-RESIDENT OFFICERS

MISS EVA L. GRAVES, *Chief Clerk and Treasurer (office at the hospital)*

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MR. FRANK W. SMITH, *Steward*
MR. JOHN DANIEL, *Farmer*
MISS S. E. WARREN, *Matron*
MISS F. A. MEYETTE, *Dietitian*
MISS LUCIA PRATT, *Social Service Worker*
— — *Director of Occupational Therapy*

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The Commonwealth of Massachusetts

TRUSTEES' REPORT

To His Excellency the Governor of the Commonwealth and the Honorable Council.

The Trustees of the Northampton State Hospital herewith present their report of the affairs of the hospital for the year 1924.

The total number of patients cared for during the year was 1795, an increase of 50 over the number under treatment last year. The daily average number maintained was 1091 which is 37 more than last year. The accommodations of the hospital are not adequate for the maintenance of so large a number consequently the Department of Mental Diseases transferred 148 patients to other institutions in the eastern part of the State within the year. The relief thus afforded was however only temporary. To provide for more permanent relief in the future, the Legislature made appropriations in 1923 and 1924 for the erection of two ward buildings, one for men and one for women, each to accommodate a hundred patients. These buildings are now under construction and are expected to be ready for use in a few months.

Even with these buildings completed and in use further provision will still be needed for the mental cases of our district. This matter is now being studied by the Department of Mental Diseases in conjunction with our Board.

In addition to the usual repairs that are necessary in a group of buildings so old as ours there are certain special repairs and renewals that are needed and we request that the Legislature of 1925 make appropriations for the following purposes which have received the approval of the Department of Mental Diseases:

For an electric wire cable to supply the third halls, south, and the new building adjacent, \$271.00.
For an extension of the electric clock system, \$285.00.
For an extension of the nightwatchman's clock system, \$75.00.
For fire alarm boxes near the central switchboard and near the engine room, \$480.00.
For a sprinkler alarm valve for the shop building, \$450.00.
For a boiler feed pump governor, \$50.00
For a dumbwaiter pump governor, \$50.00
For an Orstat flue gas analyzer, \$41.00.
For baffles for the Heine boilers, \$365.00.
For a feed-water controller for No. 4 boiler, \$230.00.
For a reducing valve on the high pressure steam line to the basements, \$175.00.
For a coal crusher and sampler, \$365.00.
For a meter for the hot water service, \$230.00.
For repairs and improvements to the heating system in the south infirmary, \$600.00.
For repairs to the Ames engine, \$600.00.
For a hot water heater for No. 1 greenhouse, \$320.00.
For a machine grinder, \$165.00.
For automatic stops for dumbwaiters, \$350.00.
For a truck for a fire ladder, \$250.00.
For storm sash for the first halls, south, \$165.00.
For linen fire hose, \$360.00.
For repairs to buildings, \$6,369.00.
For laundry machinery, \$7,580.00.
For plumbing materials for employees' cottage, \$280.00.
For lumber to erect a bin for crushed stone, \$300.00.
For a boiler-flue cleaner, \$125.00.

On December 9, 1924 Dr. Bourgon left the service. His place was filled by the appointment of Dr. George L. Parker who came to our hospital on January 12, 1924 after a service of one year in the Springfield Hospital and four months in the Providence, R. I. Lying-in Hospital.

The trustees are grieved to record the loss of a valued member of our Board by death, Mr. Harry L. Howard who died on August 6. In the records of our August monthly meeting the following entry was made: "The Trustees note with regret the death of our fellow member, Harry L. Howard, of Hatfield. He was a very loyal member of the Board towards the hospital and its interests and always very active in whatever was for the betterment of its patients. His genial pleasant manner made a very pleasant part of our gatherings and he will be greatly missed at our meetings. He died at Hatfield on August 6, 1924."

Mr. Albert K. Darling of Sunderland was appointed by the Governor and Council to fill the vacancy caused by the death of Mr. Howard.

The reports of the superintendent and treasurer appended to ours will give a more detailed account of the affairs of the institution.

EDWARD C. GERE.	CHARLES W. KING.
EMILY N. NEWTON.	GEORGE C. LUNT.
CAROLINE A. YALE.	A. K. DARLING.
LUKE CORCORAN.	

SUPERINTENDENT'S REPORT

To the Trustees of the Northampton State Hospital.

The Superintendent's report for the year ending November 30, 1924 is herewith respectfully submitted. The statistical tables which accompany it are for the twelve months period ending September 30, 1924.

MOVEMENT OF POPULATION.

On October 1, 1923 there were 1,336 patients recorded on our books as under our care, of whom 1,080 were in the hospital, 9 in family care, and 247 on visit or escape.

There were 459 patients admitted during the year making a total of 1,795 under our care—50 more than in 1923.

The number dismissed was 522, leaving 1,273 at the end of the year of whom, 1,059 were in the hospital, 11 in family care, and 203 on visit or escape.

The daily average number maintained was 1,091, an increase of 37 over the daily average for the year 1923. The largest number in the hospital on any one day was 1,119.

ADMISSIONS.

Of the total number of patients admitted 180 had been committed to our hospital before or to some other hospital for the care of the insane, 35 were admitted under temporary care or observation papers and were dismissed without being committed, and 346 were patients committed for the first time to any hospital. These latter are those considered in the statistical tables as "first admissions". Of these first admissions 122—35%—were foreign born, and 204—59%—were of foreign parentage.

The places of nativity of the foreign born were as follows: 27 in Ireland, 24 in Canada, 16 in Poland, 10 in Italy, 8 in Austria, 7 in Germany, 7 in Russia, 6 in England, 3 in France, 3 in Greece, 2 in Scotland, 2 in Hungary, 2 in Cape Verde Islands, and 1 each in Bohemia, China, Lithuania, Syria, and Turkey.

Many of the patients admitted were senile cases, 58 of the first admissions—17%—being over seventy years of age, 18 being over eighty years of age. The number of aged persons committed has increased year by year; this is due not to an actual increase in the number of old persons who become insane, it is believed, but to an increasing confidence and trust in our state institutions, thus leading to the commitment of patients who formerly would have been kept at home.

Of all cases admitted the leading forms of mental disease in points of number were dementia praecox in 124 cases, senile and arteriosclerotic psychoses in 73

cases, manic-depressive psychosis in 73 cases, alcoholic psychosis in 36 cases, general paralysis of the insane in 26 cases and somatic psychoses in 14 cases.

DISMISSALS.

Five hundred and twenty-two patients were dismissed during the year as follows: 242 were discharged, 148 were transferred to other hospitals in the Commonwealth, and 132 died.

Many patients were allowed to leave the hospital on trial visit, 181 being away from the hospital at the end of the year "on visit".

Eighty-eight of the patients were discharged as recovered, 115 as improved (some of whom went on to full recovery at home), 24 as unimproved and 15 as not insane. These latter included patients who were sent for observation and were judged by us not to have a clearly defined psychosis, and patients having some mental defect without psychosis.

Of those who died the principal causes of death were as follows: terminal changes due to old age, including chronic myocarditis, chronic nephritis and cerebral hemorrhage in 68 cases, general paralysis in 23 cases, pulmonary tuberculosis in 11 cases, carcinoma of various organs in 8 cases, cerebral embolism and thrombosis in 4 cases and diabetes mellitus in 2 cases.

Seventy-six of those who died—58%—were over sixty years of age, 15 of them being over eighty years old.

GENERAL HEALTH.

With the exception of several severe cases of influenza the general health throughout the hospital has been satisfactory.

In October a male nurse had an attack of diphtheria. He was quarantined and treated with antitoxin. All officers and nurses with whom he had come in contact and all the patients on his ward were given the Shick test. The test showed that 19 of 24 employees and 63 of 70 patients were immune to diphtheria. All cases who were susceptible were treated with antitoxin. Fortunately no other case occurred.

MEDICAL WORK.

A larger number of patients than ever before maintained, and a movement of population greater than in any previous year (there were nearly twelve hundred changes of patients coming and going) have made the past year a very busy one for the medical staff. The routine work alone is enough to employ their full time. There have been two vacancies on our staff for several years; it seems almost impossible to attract desirable and capable physicians to the service. If salary and living quarters were satisfactory more young physicians just out of general hospital internship might be induced to try our work and once a trial were made a certain number would be likely to continue in the service, but the rewards we are now allowed to offer apparently are not satisfactory to one who has given years to preliminary study, to the medical course and to postgraduate hospital training.

The usual analyses of blood, urine, sputum, and the like have been made.

All employees under sixty years of age receive a course of three inoculations of typhoid antitoxin as a matter of routine, and the same is given to all patients except those suffering from syphilis or nephritis.

Blood and spinal fluid tests for syphilis were made on 271 male and 490 female patients. There were 724 blood tests made. The findings were as follows: positive in 25 males and 13 females, negative in 225 males and 457 females. Spinal fluid findings in 37 cases were as follows: positive in 13 males and 9 females, negative in 8 males and 7 females. Thirty-two of these positive cases were given 309 treatments of sulpharsphenamine.

The dental report shows the following list of treatments: 410 amalgam fillings, 319 cement fillings, 66 synthetic fillings, 1 gutta percha filling, 1 gold inlay, 1 bridge, 749 cleanings, 298 extractions, 332 treatments, 3 plates made, 9 plates repaired, and 5 plates undergoing repair.

Lectures were given to classes from the Smith College School for Social Work to classes in Sociology and in Economics from Smith and Mt. Holyoke College and the International College at Springfield and to nurses from the Dickinson Hospital.

OUT-PATIENT DEPARTMENT.

The work of the out-patient department has been conducted by one physician whose whole time practically has been given to this service, assisted by a social worker and an assistant psychologist.

More cases have been presented at these clinics than ever before, at times requiring the services of two physicians.

Besides the weekly clinics held at Springfield, Greenfield, Pittsfield, and North Adams, the examination of cases at the Juvenile Court in Springfield has been continued each Friday. Other courts are now requesting the physicians' services with increasing frequency.

The work of the school clinic has been continued with a reduction in the number of cases examined, but with an increase in the number of re-examinations. Superintendents of schools and teachers report this work to be of great help to them in their estimation of what the retarded children are accomplishing. Cases are discussed by physician and teachers and the latter are encouraged on realizing that the child is doing all that his particular mind is capable of doing. Frequently conduct problems have arisen due to the child's having been forced beyond his mental powers. When the school authorities have realized the child's mental capacity and after the latter has been relieved of the strain of trying to keep up with the normal child, conduct disorders have disappeared and in several instances dismissal from school has been averted.

The number of persons seen at our various clinics may be summarized as follows: At our hospital clinics 274 patients reported, relatives and friends came to inquire in 462 cases and there were 71 consultations, a total of 807. There were 127 consultations outside the clinics, 125 cases referred by the courts and 531 cases at the school clinics, a total of 1,590 examinations, consultations and interviews.

The value of the work done at the juvenile courts is appreciated not only by the Department of Correction but by relatives of wayward children who bring them to the psychiatrist willingly, oftentimes before the case comes to court.

The social worker came in contact with 308 cases, of which number 215 were new cases referred by physicians to our attention. In these new cases the service involved the taking of histories in 104 cases, investigations in 32 cases, supervision of 165 cases and personal services to patients and their families in 15 cases. The problems involved were disease in 26 cases, sex in 15, environment in 38, personality in 18, educational in 3, legal in 5, and general problems in 60 cases.

The social worker made 724 visits as follows: 140 to patients on visit, 257 to relatives and friends, 35 to social agencies, 273 to others, and 19 to patients on the wards.

Patients in family care were regularly visited, 2 new patients being placed in families, 1 being replaced and 3 returned to the hospital. Seven boarding homes were investigated.

TRAINING SCHOOL FOR NURSES.

The number of pupil nurses in the training school is still small. The junior class began with two, both of whom completed their year on September 1 and entered the State Infirmary at Tewksbury for their affiliating course. The intermediate class completed their twelve months course in surgery, diseases of children and obstetrics at Tewksbury and returned to our hospital in September to complete their training here.

Our pupil nurses who go to Tewksbury value their experience there very highly, speaking in the highest terms of the instruction there and of their cordial and courteous reception by the officers of the Infirmary and by the members of their training school.

A course of instruction was carried on during the year for both our male and female attendants but much less comprehensive than the course for our nurses in training, and late in the year Dr. Rebekah B. Wright from the Department of

Mental Diseases gave us a course in hydrotherapy covering a period of three months. This course included conferences with the medical staff, talks to social service students, lectures to nurses and attendants on the physiological effects and therapeutic use of the wet pack sheet, the continuous bath and special applications of hot and cold water, tonic baths, the salt glow, tub shampoo, foot baths, fomentations, hot and cold applications to the spine and abdomen, the pail douche, and the like. These were supplemented by practical demonstrations to selected groups of two or three nurses over varying periods to ensure proficiency in the use of them.

Extensive use of packs and baths has been made by us since 1898 but Dr. Wright's instruction has been found very helpful, especially in the perfecting of method and in the recording of results on the daily reports devised by her.

ASSEMBLIES OF PATIENTS.

The therapeutic value of entertainments for the patients has always been recognized as ranking high and as usual our activities in this direction have been many and varied during the past year. Two religious services are held on each Lord's Day, one for Catholics, one for Protestants; moving pictures have been held on Monday evenings, and dances on Thursday evenings during the winter. Frequent gatherings for special purposes, as, concerts and amateur theatricals by outside talent, a Halloween party, sports on the "Fourth", a masquerade party at St. Valentine's time, observation of the holidays, especially Thanksgiving and Christmas. From a brilliantly decorated Christmas tree presents were distributed to all in the house. At the Christmas period the various halls throughout the institution were prettily decorated.

The number of formal assemblies during the year was 189 besides many informal gatherings.

OCCUPATIONAL AND INDUSTRIAL THERAPY.

Our quota of industrial teachers and occupational teachers is four, but we have had no head occupational therapist for more than a year. Those who are in the service are kept busy diverting the patients by means of various forms of activity, weaving, basketry, rug making, fancy needlework of all kinds, the making of tin-ware, brooms, clothing and underclothing, and many other things mentioned at length in previous reports. These activities are of value beyond estimation in the treatment of patients, contributing to their contentment and promoting their recovery. Patients in large numbers are employed in every department of the institution, in the housekeeping, in kitchens, dining rooms, laundry, sewing and mending rooms, in the shops, in the tailor house, in the gardens and orchards, on lawns, roadways and sidewalks, at the stables, barns and dairy, in the boiler rooms, in the storerooms, helping at cement work, in carpentry and electrical work. A list of work done in the industrial department follows: 182 pairs of shoes soled, 219 pairs of shoes heeled, 223 pairs of shoes patched, 510 mattresses made of old material, 178 mattresses made of new material, 269 pillows made of old material, 150 pillows made of new material, 57 chairs caned, 785 brooms made, 456 rag rugs made, 1,163 pairs of men's socks made, 159 pairs of overalls made, 37 pairs of wool trousers made, 162 baskets repaired, 14 new laundry baskets made, 72 chair cushions made, 9 couches upholstered, 12 settee cushions made.

FARM.

The farm was more profitable this year than last year despite a prolonged drought in the early weeks of summer.

About 230 tons of hay of good quality were harvested as a first crop, and about 75 tons green weight of first crop and of rowen were fed to the herd during the summer and early fall.

Ensilage corn matured slowly because of dry weather but with a favorable fall made a good yield. About 340 tons were cut into the silos.

Of green rye 60 tons were put into the silo for summer feeding.

Early potatoes planted on light land made a poor showing because of the lack of moisture, but the later varieties planted on the lower lands were benefitted by rains in time to make a good yield. The total crop was about 2,200 bushels, our requirements being about 4,100 bushels.

Early plantings of beets, carrots, chard and cabbage were practically failures but later plantings made unusually good yields helping to bring up our total productions to our needs.

Strawberries yielded well because of an improvised system of irrigation. Other small fruits produced a small yield for lack of water. A permanent system of pipes and sprinklers would prove of great benefit not only in the case of fruits but of most of our garden crops.

About 600 barrels of apples were gathered. This is one of our most valuable farm products and an increase in the productivity of our orchards is highly desirable. The apples we raised came largely from our newer orchards although a few of the older trees yielded well. Most of the latter are beyond the possibility of renovation. They should be replaced by new trees of standard varieties. During the year 100 young trees, Baldwins, Wealthy, and McIntosh were set out either as fillers to replace old trees or to start a new orchard.

Instead of spraying the apple trees as in previous years they were dusted with a new Niagara power duster purchased this year. The results were as satisfactory as, if not superior to, those obtained by spraying and was more easily done. The apples seemed fairer and to have fewer blemishes.

Our dairy is now in excellent condition. There are no animals that react to the tuberculin test. The reactors we had were disposed of and new animals were purchased to replace them. Ten heifers of our own raising freshened during the year and fifteen are now bred to freshen in 1925.

The two senior herd bulls were killed during the year in order to avoid inbreeding. Three bull calves and four heifer calves all of excellent breeding were sent to other State institutions.

The production of milk during the year surpassed the yield of any previous year, the herd maintaining on average production of 14,772 pounds per cow.

Several of the young cows raised on the farm have made excellent individual records. One gave 19,000 pounds.

A list of farm productions follows: 632 bbls. of apples, 4,284 lbs. of asparagus, 9,493 lbs. of string beans, 855 lbs. of shell beans, 51,306 lbs. of beets, 187 lbs. of beet greens, 73,552 lbs. of cabbage, 1,420 lbs. of cantaloupe, 23,835 lbs. of carrots, 8 lbs. of cauliflower, 7,342 lbs. of celery, 2,110 lbs. of Swiss chard, 909 lbs. of cherries, 19,810 lbs. of sweet corn, 317 tons of ensilage corn, 785 lbs. of currants, 8,319 lbs. of cucumbers, 742 lbs. of grapes, 446 tons of hay, 550 lbs. of lettuce, 722,399 lbs. of milk, 24,118 lbs. of onions, 5 lbs. of parsley, 8,175 lbs. of parsnips, 2,207 lbs. of green peas, 150 lbs. of peppers, 862 lbs. of plums, 280 lbs. of pears, 10,550 lbs. of pumpkins, 138,695 lbs. of potatoes, 110 lbs. of radish, 8,363 lbs. of rhubarb, 1,892 lbs. of scallions, 83 lbs. of spinach, 80,667 lbs. of squash, 4,346 qts. of strawberries, 6,750 lbs. of tomatoes, 11,355 lbs. of turnips.

The dairy barn has been thoroughly renovated during the year by the laying of a floor of cement and the installation of steel stanchions and individual drinking fountains. A DeLaval milking machine and three milking units were installed. This seemingly has had a tendency to increase the production of milk somewhat. Our milk is now clarified and pasteurized, consequently is as hygienic as seems possible to be produced.

About 40 cords of wood were produced (largely by the cutting down of our diseased chestnut trees), 50 poles were cut for electric transmission lines, and 25,000 feet of timber were obtained.

A large amount of stone was taken out of our fields and pastures and crushed for road making and cement work.

About 20 acres of land were reclaimed from the pastures for purposes of cultivation. The increase in our population makes necessary larger crops, consequently more land must be put under cultivation to allow a proper rotation of crops.

REPAIRS AND IMPROVEMENTS.

Much has been done throughout the institution in the way of repairs, of replacements and of improvements, the following being specially worthy of recording:

In order to increase the efficiency of the boilers and to prevent radiation of heat from the exposed portions of the boilers, rear doors were installed covering the

three Heine boilers, iron plates were fitted over the front water legs and angle irons around dampers and damper openings, and the brick work of the boiler settings was coated with bitumastic gum.

Gibby hand stokers were installed on all four boilers.

A CO₂ recording instrument made by the Uehling Instrument Company was installed

The section of main flue connecting the boilers with the chimney 11 feet long and 5 feet in diameter which had been in service since 1892 was replaced.

Steam mains and returns to the Earle building were renewed and covered; steam mains and returns to the laundry were renewed and covered; return steam pipes in the third south basement and from the south infirmary heating stack were renewed.

New heating coils were installed in the M I S and U I S dining rooms and in the cow stable.

A new 3" hot water supply pipe was laid from the boiler house to the laundry.

New water supply pipes were installed in the third halls, north and south.

Several hundred feet of 4" and 5" cast iron pipes were dug up in front of the buildings; this was pipe that formerly supplied the old fire hydrants and is available now for use elsewhere.

A lavatory bowl, two water closets and a shower bath were installed in the basement of the employees' dining room.

The female nurses' home and ten of the tenements occupied by employees were connected with the sewer recently laid by the city up West, Prince, Grove and Chapel Streets.

Hot water boilers were replaced in cottages No. 3 and No. 6, and plumbing fixtures in cottage No. 8.

The gutters at the north infirmary were filled in and slated over.

Twelve additional 2½-gallon chemical fire extinguishers were purchased.

A small electric drill for machine and electric work was purchased and a small motor driven blower for cleaning motors. Feeder cables for street lights and for the barn were placed in conduit under the engine room floor.

Installation of a switch board and transmission line to the stone crushing plant was completed.

Cables for the north infirmary were changed to the tunnel leading from the boiler room to the third halls.

Cottage No. 8 was wired for lighting.

A motor was installed on the milking machine and drinking fountains at the cow stables were piped

Seven new street-light poles were set, in cement foundations, two old ones were relocated and 1,000 feet of Simplex steel taped cable was laid.

Much cement work was laid including a new floor in the basement of the female nurses' home, a new floor in the cow stable (and iron stanchions set in same), 45 square yards of cement walk in front of the store house, five squares in the walk to the laundry and a cement floor in the garage under the hose house.

An ell to cottage No. 8 was plastered.

In many of the above projects patients helped largely in the unskilled labor.

There have been but few changes in the corps of officers. In December, Dr. Bourgon left the service and his place was filled by Dr. George L. Parker, who came in January. In August the dietitian Miss Rand left and her place was filled by the appointment of Miss F. A. M. Meyette.

I feel that all the members of our official family are giving loyal services and am pleased to express my gratitude to them for their untiring interest and co-operation.

To many friends who have given to the hospital money for various uses for the benefit of patients who have no relatives, presents for the Christmas tree, books and periodicals, also to the publishers of "The Messenger of the Sacred Heart", "The Christian Science Monitor" and "The Christian Leader" for free copies of their publications I give my heartfelt thanks.

Respectfully submitted,

JOHN A. HOUSTON, *Superintendent.*

VALUATION
NOVEMBER 30, 1924.

REAL ESTATE		
Land (513 acres)		\$127,553.78
Buildings		949,326.58
PERSONAL PROPERTY		\$1,076,880.31
Travel, Transportation and Office Expenses		\$1,593.28
Food		9,967.18
Clothing and Materials		17,465.36
Furnishings and Household Supplies		74,335.18
Medical and General Care		1,652.06
Heat, Light and Power		3,560.92
Farm		40,245.61
Garage, Stable and Grounds		7,330.11
Repairs		20,240.78
SUMMARY		\$176,390.36
Real Estate		\$1,076,880.31
Personal Property		176,390.36
		\$1,253,270.67

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, 1924.

CASH ACCOUNT		
Receipts		
<i>Income</i>		
Board of Inmates:		
Private	\$56,814.55	
Reimbursements, insane	50,281.83	
Personal Services:		\$107,096.38
Reimbursement from Board of Retirement		87.05
Sales:		
Travel, transportation and office expenses, telephones	\$2.00	
Food	442.12	
Clothing and materials	64.95	
Farm:		
Cows and calves	\$198.00	
Pigs and hogs	25.00	
Hides	66.36	
Sundries, barrels and bags	6.90	
Arts and crafts sales	296.26	
Miscellaneous:		1,022.05
Interest on bank balances	\$1,042.71	
Rent	652.50	
Total income		\$1,695.21
		\$109,900.69
MAINTENANCE		
Balance from previous year brought forward		\$3,413.75
Additional for purchase of cows, and for personal services		3,314.99
Appropriation, current year		344,920.00
Total		\$356,648.74
Expenses (as analyzed below)		339,934.51
Balance reverting to Treasury of Commonwealth		\$16,714.23
<i>Analysis of Expenses</i>		
Personal services		\$162,093.43
Religious instruction		1,230.00
Travel, transportation and office expenses		5,565.45
Food		61,572.28
Clothing and materials		6,718.15
Furnishings and household supplies		20,948.03
Medical and general care		11,412.37
Heat, light and power		19,522.10
Farm		25,294.74
Garage, stable and grounds		3,051.42
Repairs, ordinary		12,281.51
Repairs and renewals		10,245.02
Total expenses for maintenance		\$339,934.51

SPECIAL APPROPRIATIONS		
Balance December 1, 1923		\$103,904.50
Appropriations for current year		191,632.00
Total		\$295,536.50
Expended during the year (see statement below)		137,816.21
Balance November 30, 1924, carried to next year		\$157,720.29

OBJECT	Act or Resolve	Whole Amount	Expended During Fiscal Year	Total Expended to Date	Balance at End of Year
*Two Ward Buildings	Chap. 126 '23	\$270,500.00	\$137,234.93	\$137,330.43	\$133,169.57
*Purchase Courtney Property	Chap. 126 '23	4,000.00			4,000.00
*Sewer Connections	Chap. 126 '23	600.00	581.28	581.28	18.72
*Additional Sprinklers	Chap. 126 '23	9,175.00			9,175.00
*Standpipes	Chap. 126 '23	2,757.00			2,757.00
*Additional Fire Protection	Chap. 126 '23	8,600.00			8,600.00
		\$295,632.00	\$137,816.21	\$137,911.71	\$157,720.29

*Balance reverting to Treasury of the Commonwealth.

PER CAPITA

During the year the average number of inmates has been 1,076.
Total cost for maintenance, \$339,934.51.
Equal to a weekly per capita cost of \$6.0755. (52 weeks to year.)
Receipt from sales, \$1,022.05.
Equal to a weekly per capita of \$0.0193.
All other institution receipts, \$108,878.64.
Equal to a weekly per capita of \$1.9459.
Net weekly per capita, \$4.1113.

Respectfully submitted

EVA L. GRAVES, *Treasurer*

STATISTICAL TABLES

AS ADOPTED BY AMERICAN PSYCHIATRIC ASSOCIATION.

PRESCRIBED BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES.

TABLE 1.—General Information.

- Date of opening as an institution for the insane: Aug. 16, 1858.
- Type of institution: State.
- Hospital plant:

Real estate, including buildings and betterments	\$0,000,000.00
Personal property	000,000.00
Total	\$0,000,000.00
- Total acreage of hospital property: 513½.
Acreage under cultivation during year: 145.

4. Medical service:			
Superintendents	Men	Women	Totals
Assistants physicians	1	—	—
Dentist	2	3	5
Medical internes	1	—	1
Clinical assistants	—	—	—
	4	3	7
- Employees:

Graduate nurses	—	4	4
Other nurses and attendants	36	27	63
Social workers	—	1	1
All other employees	46	35	81
	82	67	149
- Percentage of patients employed during year

TABLE 2.—Financial Statement.

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

TABLE 3.—Movement of Patient Population for the Year Ending Sept. 30, 1924.

	INSANE			OTHER CLASSES						TOTAL ON BOOKS		
	M.	F.	T.	Sane, Voluntary			Temporary care and observation. Not committed			M.	F.	T.
				M.	F.	T.	M.	F.	T.			
1. Patients on books of institution Sept. 30, 1923	629	703	1,332	-	-	-	1	3	4	630	706	1,336
Admission during the year:												
a. First admissions	*175	*174	349	2	2	4	14	12	26	191	188	379
b. Readmissions	36	37	73	-	-	-	2	3	5	38	42	80
c. Transfers from other institutions for the insane	211	211	422	2	4	6	16	15	31	229	230	459
Total admissions	422	422	844	4	6	10	32	30	62	458	460	918
2. Total received during year	211	211	422	2	4	6	16	15	31	229	230	459
3. Total under treatment during year	840	914	1,754	2	4	6	17	18	35	859	936	1,795
Discharged from books during year:												
a. As recovered	37	42	79	-	-	-	3	3	6	40	45	85
b. As improved	52	50	102	-	-	-	8	5	13	60	55	115
c. As unimproved	7	14	21	-	-	-	2	1	3	9	15	24
d. As not insane	2	1	3	2	3	5	1	6	7	9	10	15
e. Transferred to other institutions for the insane	60	88	148	-	-	-	2	1	3	60	88	148
f. Died during year	71	58	129	-	-	-	2	1	3	73	59	132
Nominally dismissed for commitment	-	-	-	-	-	-	1	2	3	1	2	3
4. Total discharged from books during year	229	253	482	2	3	5	17	18	35	248	274	522
5. Patients remaining on books of institution Sept. 30, 1924	611	661	1,272	-	1	1	-	-	-	611	662	1,273
6. a. Average daily number of patients on books during year	619.96	686.89	1,306.85	.079	1.16	1.239	.337	.678	1.015	620.38	688.73	1,309.11
b. Average daily number of patients actually in institution during year	515.10	563.75	1,078.85	.079	1.16	1.239	.337	.678	1.015	515.52	565.59	1,081.11
7. a. Average daily number of patients in family care	104.86	9.93	218.07	-	-	-	-	-	-	104.86	9.93	218.07
b. Average daily number of patients on visit and escape	104.86	113.21	218.07	-	-	-	-	-	-	104.86	113.21	218.07
8. Number of voluntary patients admitted within the year	95	98	193	2	4	6	-	-	-	4	6	10
9. Number of temporary-care cases admitted within the year	95	98	193	-	-	-	16	15	31	111	113	224
10. Number of patients actually remaining in institution Sept. 30, 1924	522	536	1,058	-	1	1	-	-	-	522	537	1,059
State	453	343	796	-	-	-	-	-	-	453	343	796
Reimbursing	37	80	117	-	-	-	-	-	-	37	80	117
Private	32	113	145	-	1	1	-	-	-	32	114	146
11. Number of patients in family care Sept. 30, 1924	11	11	22	-	-	-	-	-	-	11	11	22
State	8	8	16	-	-	-	-	-	-	8	8	16
Private	2	2	4	-	-	-	-	-	-	2	2	4
Self-supporting	1	1	2	-	-	-	-	-	-	1	1	2
12. Number of different persons within the year	838	908	1,746	2	4	6	17	18	35	857	930	1,787
13. Number of different persons admitted from the community	211	210	421	2	4	6	16	15	31	229	229	458
14. Number of different persons dismissed, exclusive of transfers	169	165	334	2	3	5	17	18	35	188	186	374
15. Number of non-insane patients or inmates in institution at end of institution year:										Males	Females	Totals
a. Persons given advice or treatment in out-patient department during year										253	348	601

*Includes 1 male patient and 2 female patients committed after Oct. 1, 1923 from observation 1922-1923.

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

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
United States	110	114	224	64	63	127	74	78	152
Austria	7	1	8	8	1	9	2	-	2
Bohemia	2	1	3	2	1	3	-	-	-
Portugal	8	8	16	1	2	3	-	-	-
Canada	1	1	2	18	17	35	30	28	58
China	4	2	6	5	1	6	5	2	7
England	1	2	3	1	1	2	1	1	2
Finland	1	2	3	1	2	3	1	1	2
France	1	2	3	1	2	3	1	1	2
Germany	2	2	4	2	2	4	4	4	8
Hungary	2	2	4	2	2	4	1	1	2
Ireland	14	13	27	39	38	77	26	26	52
Italy	3	10	13	9	1	10	4	4	8
Lithuania	1	2	3	1	1	2	10	9	19
Poland	6	4	10	7	5	12	3	3	6
Russia	4	1	5	3	3	6	5	5	10
Scotland	1	1	2	1	1	2	1	1	2
Austria	1	1	2	1	1	2	1	1	2
Switzerland	1	1	2	1	1	2	1	1	2
Syria	1	1	2	1	1	2	1	1	2
Turkey in Europe	1	1	2	1	1	2	1	1	2
Total foreign born	64	58	122	108	107	215	96	90	186
Total	174	172	346	174	174	348	172	172	344

TABLE 5.—Citizenship of First Admissions.

	MALE	FEMALE	TOTAL
Citizens by birth	110	114	224
Citizens by naturalization	22	20	42
Aliens	40	37	77
Citizenship unascertained	2	1	3
Total	174	172	346

TABLE 6.—Psychoses of First Admissions.

PSYCHOSES	M.			F.			T.
	M.	F.	T.	M.	F.	T.	
1. Traumatic total	1	1	2	2	1	3	
a. Traumatic delirium	1	1	2	2	1	3	
b. Traumatic constitution	1	1	2	2	1	3	
2. Senile total	9	9	18	24	25	49	
a. Simple deterioration	9	9	18	24	25	49	
b. Psychopathic type	3	3	6	8	8	16	
c. Delirious and confused states	3	3	6	8	8	16	
d. Depressed and agitated states	2	2	4	5	5	10	
3. Paranoid type	2	2	4	7	7	14	
a. With cerebral arteriosclerosis	2	2	4	7	7	14	
b. General paresis	2	2	4	7	7	14	
c. With cerebral syphilis	2	2	4	7	7	14	
d. With Huntington's chorea	2	2	4	7	7	14	
e. With brain tumor	2	2	4	7	7	14	
f. With other brain or nervous diseases total	2	2	4	7	7	14	
4. Arthropal type	1	1	2	4	4	8	
a. With cerebral arteriosclerosis	1	1	2	4	4	8	
b. With Huntington's chorea	1	1	2	4	4	8	
c. With brain tumor	1	1	2	4	4	8	
d. With other brain or nervous diseases total	1	1	2	4	4	8	
5. Undetermined	1	1	2	4	4	8	
6. Alcoholic total	1	1	2	4	4	8	
a. Delirium tremens	1	1	2	4	4	8	
b. Acute hallucinosis	1	1	2	4	4	8	
c. Chronic hallucinosis	1	1	2	4	4	8	
d. Acute paranoid	1	1	2	4	4	8	
e. Chronic paranoid	1	1	2	4	4	8	
f. Due to drugs and other exogenous toxins total	1	1	2	4	4	8	
7. Pellegrini	1	1	2	4	4	8	

TABLE 6.—Psychoses of First Admissions—Concluded.

	M.			F.			T.		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
12. With other somatic diseases, total	7 7 14								
b. Post infections psychosis	2	-	2						
c. Exhaustion delirium	-	3	3						
d. Delirium of unknown origin	1	1	2						
e. Cardio-renal disease	4	2	6						
f. Disease of the ductless glands	-	1	1						
13. Manic-depressive, total	14 37 51								
a. Manic type	6	11	17						
b. Depressive type	5	15	20						
c. Stuporous type	2	2	4						
d. Mixed type	-	6	6						
e. Circular type	1	3	4						
14. Involution melancholia	1 5 6								
15. Dementia praecox, total	47 40 87								
a. Paranoid type	16	20	36						
b. Catatonic type	13	9	22						
c. Hebephrenic type	16	7	23						
d. Simple type	2	4	6						
16. Paranoia or paranoid conditions	-								
17. Epileptic, total	1 1 2								
a. Deterioration	1	-	1						
b. Clouded state	-	1	1						
18. Psychoneuroses and neuroses, total	1 2 3								
a. Hysterical type	-	1	1						
b. Psychathenic type	1	-	1						
d. Anxiety neurosis	-	1	1						
19. With psychopathi personality	- 3 3								
20. With mental deficiency	8 5 13								
21. Undiagnosed	3 10 13								
22. Without psychosis, total	11 4 15								
d. Psychopathic personality without psychosis	2	2	4						
e. Mental deficiency without psychosis	8	2	10						
f. Defective delinquent	1	-	1						
Total	174			172			346		

TABLE 7.—Race of First Admissions classified with Reference to Psychoses.

RACE	TOTAL			TRAUMATIC			SENILE			WITH CEREBRAL ARTERIO-SCLEROSIS			GENERAL PARALYSIS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Turkey	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
African	3	5	8	-	-	-	-	-	-	-	-	-	-	-	-
Chinese	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
English	4	3	7	-	-	-	2	-	2	1	-	1	-	-	-
Finnish	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
French	20	26	46	-	-	-	1	1	2	-	-	4	3	7	-
German	2	5	7	-	-	-	1	3	4	-	-	-	-	-	-
Greek	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	1	1	2	-	-	-	-	-	-	1	1	-	-	-	-
Irish	43	28	71	1	-	1	9	6	15	4	3	7	4	2	6
Italian	9	4	13	-	-	-	-	-	-	-	-	-	-	-	-
Lithuanian	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Magyar	3	1	4	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian	1	1	2	-	-	-	-	-	-	-	-	-	1	-	1
Scotch	2	6	8	-	-	-	-	1	1	-	-	-	2	-	2
Slavonic	20	13	33	-	-	-	-	-	-	-	-	-	-	-	-
Syrian	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	60	77	137	1	1	2	13	14	27	6	9	15	3	2	5
Total	174	172	346	2	1	3	24	25	49	12	13	25	15	7	22

TABLE 7.—Race of First Admissions classified with Reference to Psychoses—Continued.

RACE	CEREBRAL SYPHILIS			HUNTINGTON'S CHOREA			WITH OTHER BRAIN OR NERVOUS DISEASES			ALCOHOLIC			SOMATIC		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Turkey	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-
African	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Chinese	-	-	-	-	-	-	-	1	1	-	-	-	1	1	2
English	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Finnish	-	-	-	-	-	-	-	2	2	5	1	6	1	1	2
French	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-
German	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Greek	-	-	-	-	-	-	-	-	-	7	-	7	-	1	1
Hebrew	-	-	-	-	-	-	-	-	-	2	-	2	1	-	1
Irish	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Italian	-	-	-	-	-	-	-	-	-	2	-	2	-	-	-
Lithuanian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Magyar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian	-	-	-	-	-	-	-	1	1	1	-	1	1	-	1
Scotch	-	-	-	-	-	-	-	-	-	7	1	8	-	-	-
Slavonic	-	-	-	-	-	-	-	-	-	-	-	-	2	3	5
Syrian	-	-	-	-	-	-	-	2	2	2	-	2	-	-	-
Mixed	-	1	1	-	1	1	-	-	-	-	-	-	7	7	14
Total	-	3	3	-	1	1	-	6	6	28	2	30	7	7	14

TABLE 7.—Race of First Admissions classified with Reference to Psychoses—Continued.

RACE	MANIC DEPRESSIVE			INVOLUTION MELANCHOLIA			DEMENTIA PRAECOX			EPILEPTIC			PSYCHO-NEUROSES		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Turkey	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
African	-	-	-	-	-	-	5	-	5	-	-	-	-	-	-
Chinese	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
English	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
Finnish	1	7	8	-	-	-	4	4	8	-	1	1	-	1	1
French	-	1	1	-	-	-	1	1	2	-	-	-	-	-	-
German	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-
Greek	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	1	-	1	-	-	-	8	8	16	-	-	-	1	-	1
Irish	5	5	10	-	-	-	4	1	5	-	-	-	-	-	-
Italian	1	2	3	-	-	-	1	-	1	-	-	-	-	-	-
Lithuanian	-	-	-	-	-	-	1	1	2	-	-	-	-	-	-
Magyar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian	1	-	1	-	-	-	-	-	-	1	1	1	-	-	-
Scotch	-	2	2	-	-	-	-	-	-	1	3	9	-	-	-
Slavonic	1	9	10	-	-	-	6	3	9	-	-	-	-	-	-
Syrian	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mixed	4	11	15	1	5	6	17	15	32	1	-	1	-	1	1
Total	14	37	51	1	5	6	47	40	87	1	1	2	1	2	3

TABLE 7.—Race of First Admissions classified with Reference to Psychoses—
Concluded.

RACE	WITH PSYCHOPATHIC PERSONALITY			MENTAL DEFICIENCY			UNDIAGNOSED			WITHOUT PSYCHOSIS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Turkey	-	-	-	-	-	-	-	-	-	-	-	-
African	-	-	-	-	-	-	-	-	-	-	-	-
Chinese	-	-	-	-	-	-	-	-	-	-	-	-
English	-	-	-	-	-	-	-	-	-	-	-	-
Finnish	-	-	-	-	-	-	1	1	-	-	-	-
French	-	-	-	-	-	-	-	-	-	-	-	-
German	-	-	-	1	-	1	-	1	1	3	2	5
Greek	-	-	-	-	-	-	-	-	-	-	-	-
Hebrew	-	-	-	-	-	-	-	-	-	-	-	-
Irish	-	-	-	2	1	3	-	-	-	-	-	-
Italian	-	-	-	-	-	-	2	2	2	-	-	2
Lithuanian	-	-	-	-	-	-	1	1	1	-	-	1
Magyar	-	-	-	-	-	-	-	-	-	-	-	-
Scandinavian	-	-	-	-	-	-	-	-	-	-	-	-
Scottish	-	-	-	-	-	-	-	-	-	-	-	-
Slavonic	-	-	-	-	-	-	1	1	1	-	-	-
Syrian	-	1	1	-	-	-	1	1	1	2	-	2
Mixed	-	2	2	5	4	9	2	4	6	3	2	5
Total	-	3	3	8	5	13	3	10	13	11	4	15

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

PSYCHOSES	TOTAL			UNDER 15 YEARS			15-19 YEARS			20-24 YEARS			25-29 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	24	25	49	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	12	13	25	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	15	7	22	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	6	6	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	28	2	30	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	7	7	14	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive	14	37	51	-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia	1	5	6	-	-	-	1	1	1	3	4	-	-	-	-
15. Dementia praecox	47	40	87	-	-	-	5	2	7	15	4	19	5	6	11
16. Paranoia and paranoic conditions	1	1	2	-	-	-	-	-	-	-	-	-	1	-	1
17. Epileptic	1	2	3	-	-	-	-	-	-	-	-	-	1	-	1
18. Psychoneuroses	1	3	3	-	-	-	1	-	1	-	-	-	-	-	-
19. With psychopathic personality	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	8	5	13	-	-	-	1	-	1	-	-	-	1	-	1
21. Undiagnosed	3	10	13	-	-	-	-	-	1	1	1	1	1	-	1
22. Without psychoses	11	4	15	-	-	-	2	-	2	-	2	2	-	-	1
Total	174	172	346	-	-	-	9	3	12	17	10	27	13	13	26

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

PSYCHOSES	30-34 YEARS			35-39 YEARS			40-44 YEARS			45-49 YEARS			50-54 YEARS			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
2. Senile	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis	2	2	4	3	-	3	5	2	7	2	-	2	1	-	1	-
5. With cerebral syphilis	-	-	-	1	1	-	-	1	1	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	1	1	-	-	-	-	-	-	2	2
9. Alcoholic	3	-	3	7	-	7	5	2	7	6	-	6	4	-	-	4
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	2	3	1	-	1	1
12. With other somatic diseases	1	-	1	-	3	3	2	6	8	1	6	6	1	-	2	2
13. Manic-depressive	1	7	8	-	-	-	-	-	-	-	1	1	2	-	2	-
14. Involution melancholia	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox	5	4	9	6	4	10	3	3	6	3	11	14	2	3	5	-
16. Paranoia and paranoic conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-
19. With psychopathic personality	-	1	1	-	-	-	-	-	-	-	1	1	2	-	-	-
20. With mental deficiency	2	-	2	1	2	3	1	-	1	1	1	1	1	-	1	1
21. Undiagnosed	-	1	1	-	-	-	3	1	4	3	-	3	1	-	-	-
22. Without psychoses	-	-	-	3	1	4	-	-	-	-	-	-	-	-	-	-
Total	14	15	29	20	12	32	20	17	37	14	24	38	9	11	20	-

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

PSYCHOSES	55-59 YEARS			60-64 YEARS			65-69 YEARS			70-74 YEARS			75-79 YEARS			OVER 80 YEARS			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	1	-	1	2	1	3	4	6	10	4	4	8	9	5	14	4	9	13	-
3. With cerebral arteriosclerosis	-	-	-	2	-	2	1	1	2	-	4	4	6	6	12	3	2	5	-
4. General paralysis	2	3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	2	2	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	1	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	1	-	1	1	4	5	1	1	2	1	1	2	-	-	-	-	-	-	-
13. Manic-depressive	1	3	4	2	-	2	1	1	2	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox	-	1	1	3	3	6	-	-	1	1	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoic conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	1	1	2	-	-	-	-	1	1	-	-	-	-	-	-	-
21. Undiagnosed	-	2	2	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychoses	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	11	12	23	13	14	27	7	10	17	5	9	14	15	11	26	7	11	18	-

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

PSYCHOSES	TOTAL			ILLITERATE			READS AND WRITES			COMMON SCHOOL			HIGH SCHOOL			COLLEGE			UNASCERTAINED			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
																						TOTAL
1. Traumatic	2	1	3	3	1	4	8	7	15	2	1	3	1	3	4	1	1	2	1	2	1	3
2. Senile	24	25	49	1	4	5	10	13	23	10	13	23	10	13	23	10	13	23	10	13	23	10
3. With cerebral arteriosclerosis	12	13	25	1	1	2	1	4	5	9	18	27	2	2	4	2	2	4	2	2	4	2
4. General paralysis	15	7	22	1	1	2	1	4	5	9	15	24	1	1	2	1	1	2	1	1	2	1
5. With cerebral syphilis	3	3	6	1	1	2	1	1	2	2	4	6	1	1	2	1	1	2	1	1	2	1
6. With Huntington's chorea	1	1	2	1	1	2	1	1	2	2	4	6	1	1	2	1	1	2	1	1	2	1
7. With brain tumor	1	1	2	1	1	2	1	1	2	2	4	6	1	1	2	1	1	2	1	1	2	1
8. With other brain or nervous diseases	8	6	14	1	1	2	1	1	2	2	4	6	1	1	2	1	1	2	1	1	2	1
9. Alcoholic	28	2	30	5	5	10	14	14	28	9	9	18	2	2	4	1	1	2	1	1	2	1
10. Due to drugs and other exogenous toxins	7	7	14	1	1	2	3	3	6	2	2	4	1	1	2	1	1	2	1	1	2	1
11. With pellagra	14	37	51	1	1	2	3	3	6	3	3	6	1	1	2	1	1	2	1	1	2	1
12. With other somatic diseases	7	7	14	1	1	2	3	3	6	3	3	6	1	1	2	1	1	2	1	1	2	1
13. Manic-depressive	14	37	51	1	1	2	3	3	6	3	3	6	1	1	2	1	1	2	1	1	2	1
14. Involution melancholia	1	5	6	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1
15. Dementia praecox	47	40	87	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1
16. Paranoia and paranoic conditions	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1
17. Epileptic	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1
18. Psychoneuroses	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1
19. With psychopathic personality	3	3	6	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1
20. With mental deficiency	8	5	13	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1
21. Undiagnosed	3	10	13	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1
22. Without psychosis	11	4	15	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1
Total	174	172	346	19	10	29	48	35	83	92	173	265	34	48	82	8	8	16	1	1	2	1

TABLE 10.—Environment of First Admission classified with Reference to Principal Psychoses.

PSYCHOSES	TOTAL			URBAN			RURAL		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	1	3	1	1	2	1	-	1
2. Senile	24	25	49	13	18	31	11	7	18
3. With cerebral arteriosclerosis	12	13	25	9	9	18	3	4	7
4. General paralysis	15	7	22	13	6	19	2	1	3
5. With cerebral syphilis	3	3	6	3	3	6	-	-	-
6. With Huntington's chorea	1	1	2	1	1	2	-	-	-
7. With brain tumor	1	1	2	1	1	2	-	-	-
8. With other brain or nervous diseases	8	6	14	4	4	8	-	2	2
9. Alcoholic	28	2	30	21	-	21	7	2	9
10. Due to drugs and other exogenous toxins	7	7	14	6	5	11	1	2	3
11. With pellagra	14	37	51	8	29	37	6	8	14
12. With other somatic diseases	7	7	14	6	5	11	1	2	3
13. Manic-depressive	14	37	51	8	29	37	6	8	14
14. Involution melancholia	1	5	6	1	4	5	-	1	1
15. Dementia praecox	47	40	87	29	33	62	18	7	25
16. Paranoia and paranoic conditions	1	1	2	1	1	2	-	-	-
17. Epileptic	1	2	3	1	2	3	-	-	-
18. Psychoneuroses	1	2	3	1	2	3	-	-	-
19. With psychopathic personality	3	3	6	3	3	6	-	-	-
20. With mental deficiency	8	5	13	5	4	9	3	1	4
21. Undiagnosed	3	10	13	2	8	10	1	2	3
22. Without psychosis	11	4	15	6	3	9	5	1	6
Total	174	172	346	116	134	250	58	38	96

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

PSYCHOSES	TOTAL			DEPENDENT			MARGINAL			COMFORTABLE			UNASCERTAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	2	1	3	-	-	-	2	-	2	-	1	1	-	-	-
2. Senile	24	25	49	6	5	11	14	17	31	4	3	7	-	-	-
3. With cerebral arteriosclerosis	12	13	25	-	-	-	10	8	18	2	5	7	-	-	-
4. General paralysis	15	7	22	1	1	2	14	6	20	1	-	1	-	-	-
5. With cerebral syphilis	3	3	6	1	1	2	2	2	4	-	-	-	-	-	-
6. With Huntington's chorea	1	1	2	-	-	-	1	1	2	-	-	-	-	-	-
7. With brain tumor	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	8	6	14	-	-	-	4	4	8	2	2	4	-	-	-
9. Alcoholic	28	2	30	1	1	2	27	2	29	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	7	7	14	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	14	37	51	-	-	-	6	4	10	1	3	4	-	-	-
12. With other somatic diseases	7	7	14	-	-	-	6	4	10	1	3	4	-	-	-
13. Manic-depressive	14	37	51	-	-	-	11	30	41	3	7	10	-	-	-
14. Involution melancholia	1	5	6	1	1	2	1	3	4	2	2	4	-	-	-
15. Dementia praecox	47	40	87	3	3	6	42	30	72	5	7	12	-	-	-
16. Paranoia and paranoic conditions	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	1	2	3	-	-	-	1	1	2	-	-	-	-	-	-
18. Psychoneuroses	1	2	3	-	-	-	1	1	2	-	-	-	-	-	-
19. With psychopathic personality	3	3	6	-	-	-	3	3	6	-	-	-	-	-	-
20. With mental deficiency	8	5	13	5	1	6	2	4	6	1	-	1	-	-	-
21. Undiagnosed	3	10	13	-	-	-	3	9	12	-	-	1	-	-	-
22. Without psychosis	11	4	15	1	1	2	10	3	13	-	-	-	-	-	-
Total	174	172	346	13	14	27	144	126	270	17	32	49	-	-	-

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

PSYCHOSES	TOTAL			ABSTINENT			TEMPERATE			INTEM- PERATE			UNASCE- TAINED		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
	1. Traumatic	2	1	3	2	1	3	-	-	-	-	-	-	-	-
2. Senile	24	25	49	7	7	14	-	-	-	-	-	-	-	-	-
3. Cerebral arteriosclerosis	12	13	25	5	5	10	18	13	31	3	3	6	1	2	2
4. General paralysis	15	7	22	3	6	9	4	1	5	1	1	2	1	2	2
5. With cerebral syphilis	-	3	3	-	1	1	6	1	7	5	-	5	1	-	1
6. With Huntington's chorea	-	1	1	-	1	1	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	6	6	-	3	3	-	-	-	-	-	-	-	-	-
9. Alcoholic	28	2	30	-	-	-	1	1	2	28	2	30	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellegra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	7	7	14	1	7	8	2	2	4	4	4	8	-	-	-
13. Manic-depressive	14	37	51	6	36	42	5	1	6	3	3	6	-	-	-
14. Involution melancholia	1	5	6	1	5	6	-	-	-	-	-	-	-	-	-
15. Dementia praecox	47	40	87	26	38	64	16	2	18	5	5	10	-	-	-
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	1	1	2	1	1	2	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	1	2	3	1	1	2	1	1	2	-	-	-	-	-	-
19. With psychopathic personality	-	3	3	-	2	2	-	-	-	-	-	-	-	-	-
20. With mental deficiency	8	5	13	5	5	10	1	1	2	2	2	4	-	-	-
21. Undiagnosed	3	10	13	2	8	10	-	-	-	-	-	-	-	-	-
22. Without psychosis	11	4	15	4	3	7	6	6	12	1	1	2	1	1	2
Total	174	172	346	63	154	217	54	12	66	52	2	54	5	4	9

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

PSYCHOSES	TOTAL			SINGLE			MARRIED			WIDOWED			SEPARATED			DIVORCED			UNASCE- TAINED			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
	1. Traumatic	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	24	25	49	5	2	7	3	2	5	1	1	2	-	-	-	-	-	-	-	-	-	-
3. Cerebral arteriosclerosis	12	13	25	1	2	3	2	2	4	1	1	2	-	-	-	-	-	-	-	-	-	-
4. General paralysis	15	7	22	3	1	4	2	2	4	1	1	2	-	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	28	2	30	6	1	7	14	2	16	1	1	2	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellegra	-	-	-	-	-	-	4	3	7	1	1	2	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	7	7	14	2	2	4	8	2	10	1	1	2	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive	14	37	51	2	6	8	1	2	3	2	2	4	1	1	2	-	-	-	-	-	-	-
14. Involution melancholia	1	5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15. Dementia praecox	47	40	87	1	2	3	1	2	3	1	1	2	-	-	-	-	-	-	-	-	-	-
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	1	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency	8	5	13	3	1	4	1	2	3	1	1	2	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed	3	10	13	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	11	4	15	4	3	7	6	6	12	1	1	2	1	1	2	-	-	-	-	-	-	-
Total	174	172	346	80	49	129	67	75	142	41	5	63	1	5	6	2	2	4	2	2	2	2

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			60-64 YEARS			65-69 YEARS			70-74 YEARS			75-79 YEARS			OVER 80 YEARS				
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.		
1. Traumatic																										
2. Senile																										
3. With cerebral arteriosclerosis																										
4. General paralysis																										
5. With cerebral syphilis																										
6. With Huntington's chorea																										
7. With brain tumor																										
8. With other brain or nervous diseases																										
9. Alcoholic																										
10. Due to drugs and other exogenous toxins																										
11. With pellagra																										
12. With other somatic diseases																										
13. Manic-depressive																										
14. Involution melancholia																										
15. Dementia praecox																										
16. Paranoia and paranoid conditions																										
17. Epileptic																										
18. Psychoneuroses																										
19. With psychopathic personality																										
20. With mental deficiency																										
21. Undiagnosed																										
22. Without psychosis																										
Total	3	6	9	2					10	5	15	4	8	12	9	4	13	7	7	14	12	10	22	7	8	15

TABLE 18.—Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses.

PSYCHOSES	TOTAL			LESS THAN 1 MONTH			1-3 MONTHS			4-7 MONTHS			
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	
1. Traumatic													
2. Senile	19	8	27	6	3	9	6	1	7	4	1	5	
3. With cerebral arteriosclerosis	9	16	25	4	4	8	3	3	6	3	4	7	
4. General paralysis	16	7	23	1	2	3	2	2	4	1	1	1	
5. With cerebral syphilis	1	5	6	2	2	4	1	1	2				
6. With Huntington's chorea													
7. With brain tumor													
8. With other brain or nervous diseases		1	1								1	1	
9. Alcoholic	6	1	7	3		3				1		1	
10. Due to drugs and other exogenous toxins													
11. With pellagra													
12. With other somatic diseases	4	3	7	3	1	4							
13. Manic-depressive	7	3	10								2	2	
14. Involution melancholia	2	2	4	1		1							
15. Dementia praecox	5	11	16										
16. Paranoia and paranoid conditions													
17. Epileptic													
18. Psychoneuroses													
19. With psychopathic personality													
20. With mental deficiency	2	1	3	1		1							
21. Undiagnosed													
22. Without psychosis													
Total	71	58	129	15	12	27	9	6	15	10	7	17	

TABLE 18.—Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses—Continued.

PSYCHOSES	8-12 MONTHS			1-2 YEARS			3-4 YEARS			5-10 YEARS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic												
2. Senile	1		1		3	3	1		1			
3. With cerebral arteriosclerosis	1		1	1	2	3	3	1	4	1	2	3
4. General paralysis	2		2	3	1	4	6	1	7	2		2
5. With cerebral syphilis					1	1		2	2			
6. With Huntington's chorea												
7. With brain tumor												
8. With other brain or nervous diseases											1	1
9. Alcoholic				1		1						
10. Due to drugs and other exogenous toxins												
11. With pellagra					1	1	1	1	2			
12. With other somatic diseases	1		1		1	1	2	1	3	1	1	2
13. Manic-depressive				1	1	2					1	1
14. Involution melancholia	1		1	1	3	4		1	1		3	3
15. Dementia praecox												
16. Paranoia and paranoid conditions												
17. Epileptic												
18. Psychoneuroses												
19. With psychopathic personality					1	1	1	1				
20. With mental deficiency												
21. Undiagnosed												
22. Without psychosis												
Total	6		6	7	14	21	14	7	21	5	7	12

TABLE 18.—*Total Duration of Hospital Life of Patients dying in Hospital classified according to Psychoses—Concluded.*

PSYCHOSES	10-15 YEARS			15-20 YEARS			20 YEARS AND OVER		
	M.	F.	T.	M.	F.	T.	F.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	1	-	1	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-
4. General paralysis	-	-	-	-	-	-	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	-	-	-	-	-	-	-	-
9. Alcoholic	-	-	-	1	1	-	-	-	-
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	-	-	-	-	-
13. Manic-depressive	1	-	1	-	-	-	-	-	-
14. Involution melancholia	-	-	-	-	-	-	-	-	-
15. Dementia præcox	1	2	3	-	2	2	2	-	2
16. Paranoia and paranoie conditions	-	-	-	-	-	-	-	-	-
17. Epileptic	-	-	-	-	-	-	-	-	-
18. Psychoneuroses	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	-	-	-
20. With mental deficiency	-	-	-	-	-	-	-	-	-
21. Undiagnosed	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-
Total	2	2	4	1	3	4	2	-	2

TABLE 19.—*Family-care Department.*

	MALE	FEMALE	TOTAL
Remaining October 1, 1923	-	9	9
Committed within the year	-	4	4
Whole number of cases within the year	-	13	13
Dismissed within the year	-	3	3
Returned to institution	-	3	3
Discharged	-	2	2
Died	-	-	-
Escaped	-	-	-
Remaining September 30, 1924	-	11	11
Supported by State	-	8	8
Private	-	2	2
Self-supporting	-	1	1
Number of different persons within the year	-	13	13
Number of different persons admitted	-	4	4
Number of different persons dismissed	-	2	2
Daily average number	-	9.92	9.92
State	-	7.83	7.83
Private	-	2	2
Self-supporting	-	.006	.006