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EIGHTY-SEVENTH ANNUAL REPORT
OF
THE TRUSTEES
OF THE
WORCESTER STATE HOSPITAL
FOR THE
YEAR ENDING NOVEMBER 30, 1919



BOSTON
WRIGHT & POTTER PRINTING CO., STATE PRINTERS
32 DERNE STREET
1920



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OFFICERS OF THE HOSPITAL.

TRUSTEES.

| | |
|---------------------------------|------------|
| WILLIAM J. DELEHANTY, | WORCESTER. |
| EDWARD F. FLETCHER, | WORCESTER. |
| JOHN E. WHITE, | WORCESTER. |
| JOHN G. PERMAN, | WORCESTER. |
| DONALD GORDON, | BOSTON. |
| CAROLINE M. CASWELL, | BOSTON. |
| GEORGIE A. BACON, | WORCESTER. |

RESIDENT OFFICERS.

| | |
|--------------------------------------|------------------------------------|
| B. HENRY MASON, M.D., | <i>Acting Superintendent.</i> |
| DONALD R. GILFILLAN, M.D., | <i>Senior Assistant Physician.</i> |
| ARTHUR H. MOUNTFORD, M.D., | <i>Senior Assistant Physician.</i> |
| ROBERT B. HARRIMAN, M.D., | <i>Assistant Physician.</i> |
| WILLIAM J. VIVIAN, M.D., | <i>Assistant Physician.</i> |
| ROY C. JACKSON, M.D., | <i>Assistant Physician.</i> |
| ADA F. HARRIS, M.D., | <i>Pathologist.</i> |
| ELSIE I. RICHARDS, R.N., | <i>Superintendent of Nurses.</i> |
| HERBERT W. SMITH, | <i>Steward.</i> |
| LILLIAN G. CARR, | <i>Matron.</i> |
| JOSEPH F. REYNOLDS, | <i>Farmer.</i> |

NONRESIDENT OFFICERS.

| | |
|-------------------------------------|-------------------------------|
| JENNIE A. HARRINGTON, | <i>Social Service Worker.</i> |
| BURTON E. LORING, D.D.S., | <i>Dentist.</i> |
| GEORGE W. PARESEAU, | <i>Druggist.</i> |
| JESSIE M. D. HAMILTON, | <i>Treasurer.</i> |
| JAMES DICKISON, JR., | <i>Engineer.</i> |

The Commonwealth of Massachusetts

TRUSTEES' REPORT.

To His Excellency the Governor and the Honorable Council.

The trustees of the Worcester State Hospital respectfully present their eighty-seventh annual report.

They desire first of all to express their high appreciation of the work of the acting superintendent, Dr. B. Henry Mason, who has conducted the affairs of the institution in an efficient, progressive and economical manner ever since the death of Dr. Scribner in June, 1918.

The principal event during the past year has been the absorption, under General Acts of 1919, chapter 74, of the hospital on Summer Street, formerly a part of the Grafton State Hospital. This means not only a larger institution but the opportunity for greatly extended service through the establishment of a psychopathic department.

Many important needs of the hospital have, by general consent, been unfulfilled during the war, but their continued postponement will mean (and already does mean) poor economy and a serious handicap. Notable among these needs are a cold-storage plant, an improved kitchen, and a larger laundry. But even more imperative is the call for fireproof stairs and an adequate water supply for protection from fire.

In order to keep the medical tone of such an institution as ours upon a high plane, the salaries of resident physicians must be raised to a point where they will inevitably attract

young men and women of ability and promise. That end has not yet been sufficiently attained.

The trustees wish to thank all members of the staff and all employees for the faithful service rendered by them.

Respectfully submitted,

WILLIAM J. DELEHANTY.

EDWARD F. FLETCHER.

JOHN E. WHITE.

JOHN G. PERMAN.

DONALD GORDON.

CAROLINE M. CASWELL.

GEORGIE A. BACON.

Nov. 30, 1919.

ACTING SUPERINTENDENT'S REPORT.

To the Trustees of the Worcester State Hospital.

I herewith respectfully submit the following report of the hospital for the year ending Nov. 30, 1919, it being the eighty-seventh annual report.

There remained on the hospital books Oct. 1, 1918, 1,894 patients, — 1,019 men and 875 women. During the year ending Sept. 30, 1919, there were admitted 617 patients, — 367 men and 250 women. Six hundred and thirty-eight patients — 389 men and 249 women — were discharged from the hospital. Of this number, 327 patients — 215 men and 112 women — were discharged; 245 patients — 133 men and 112 women — died; 66 patients — 41 men and 25 women — were transferred, leaving at the end of the statistical year 1,873 patients, — 997 men and 876 women. One thousand five hundred and fifty-five patients — 826 men and 729 women — were actually in the hospital. Of this number, 1,347 were supported by the State, 102 by friends, and 106 as reimbursing patients. Of the patients discharged, 69 were reported as recovered, 141 as improved, and 78 as not improved. Twenty-nine men and 10 women were discharged as not insane. Twenty-nine men and 15 women were transferred by the Massachusetts Commission on Mental Diseases to the Gardner State Colony; 4 men and 3 women to the Monson State Hospital; 3 men and 4 women to the State Infirmary; 2 men and 1 woman to the Boston State Hospital; 1 man to the Medfield State Hospital; 1 man to Herbert Hall; 1 man and 1 woman to the Danvers State Hospital; and 1 woman to the Foxborough State Hospital. Twelve men and 7 women were removed from the State, and 7 men and 1 woman were deported.

There remained in the hospital at the end of the year 6 less patients than at the beginning. The smallest number under treatment on any day was 1,562 patients, and the largest, 1,619. The daily average was 1,589.10.

The percentage of recoveries, calculated upon the number of discharges and deaths, was 10.81; calculated upon the number of admissions it was 11.18.

The death rate was 10.2, calculated on the whole number of patients under treatment, and 6.3, calculated on the daily average number.

There have been 16 less patients — 4 men and 12 women — admitted during the past fiscal year than there were during the year ending Sept. 30, 1918. Two hundred and seven, or 33.5 per cent of all patients admitted, were suffering from dementia præcox; 10.5 per cent from manic-depressive psychoses; 9.8 per cent from alcoholic psychoses; senile and cerebral arteriosclerosis psychoses, each 7.7 per cent; and 6.3 per cent were adjudged not insane. Thirty-four patients were admitted suffering from general paralysis and 34 were mentally deficient, of which 19 were psychotic.

It is an interesting fact that during the first nine months we received an average of $53\frac{1}{2}$ patients per month, but from July 1 to October 1, during which the wartime prohibition was in force, there was a decrease in the admission rate of 8.25 patients per month. From this showing we might be led to believe that alcohol alone played a paramount part in the production of mental aberration. In view of the fact, however, that there has been a yearly decrease in the number of patients admitted to the hospital since 1916, it is evident that there are other operative factors. As one of the principal factors among these, I would venture to mention the industrial success and thrift, which has resulted in less idleness and better living conditions.

Considering the principal forms of disease resulting in the death of patients, we find arteriosclerosis predominates, with pneumonia, syphilis of the central nervous system, influenza with complications, and tuberculosis in the order of their frequency.

HEALTH OF THE POPULATION.

The general health of the hospital has been good. A male patient died from diphtheria a few days after his admission, and two nurses were sent to the isolation hospital suffering with the disease. These were sporadic cases and the disease was undoubtedly contracted outside of the hospital. Two cases of pellagra were admitted.

SUICIDES AND SUDDEN DEATHS.

One patient strangled himself by tying one end of a sheet about his neck, the other to a rod at the head of the bed, and drew himself down towards the foot of the bed. Another patient secured a piece of suspender and committed suicide by hanging himself to a bedpost. Attempts at resuscitation failed in both cases. In a patient who had passed through a protracted illness, the autopsy revealed a few small particles of food in the trachea and bronchi. Upon investigation it was found he had been fed corn chowder about three hours before his death. Evidently while trying to swallow the nourishment he inspired some which caused sufficient irritation in the course of a few hours to extinguish the spark of life that remained. These deaths were immediately reported to the medical examiner and Dr. Myrtelle M. Canavan of the Massachusetts Commission on Mental Diseases, and both were present at the autopsies and investigated the circumstances which resulted in the death of the patients.

STAFF CONFERENCES.

An effort has been made to hold a clinical staff meeting every morning except Sundays and holidays. Saturday mornings are reserved for a literature meeting at which time abstracts are read, the articles and other clinical matters discussed. A laboratory staff meeting is scheduled to be held in the laboratory twice a month, at which time interesting pathological material is reviewed and a correlation is often made of clinical and pathological findings.

Two hundred and eleven clinical staff conferences were held the past year at which 667 cases were presented. All first

admission and readmission cases, showing new features of the psychoses, as well as many cases to determine the advisability of their return to the community, were presented. A clinical meeting consists of reading an abstract by the physician, which embraces a summary of the anamnesis, the condition of the patient when admitted, the physical and neurological findings, including the laboratory reports, the mental status, the social service report in many cases, and the psychological in a few; a stenographic report of the direct examination of the patient, which is included under date as a regular part of the case record; and the opinion of each member of the staff and visiting physicians present.

OCCUPATIONAL TRAINING.

Although we have been without a director of industrial therapeutics, the work in that department has been carried on in a manner worthy of comment. Under the stimulus of intelligent teaching by a tactful person well versed in the principles of ergo-therapy, it is certainly gratifying to see the improvement that often results in chronic patients through a process of re-education and awakening, and the rapid readjustment of habits and mental pose in those acutely ill. Our annual Christmas exhibition and sale attracted much attention in the community.

HYDROTHERAPY.

The hydrotherapeutic department is an important part of our therapeutic armament, which has been used extensively and with satisfactory results.

DENTAL WORK.

The dental clinic has been conducted by Dr. Burton E. Loring, who reports the following summary of work done: teeth treated, 171; extracted, 520; teeth restored with amalgam fillings, 82; cement fillings, 147; cleaned, 147; bridges reset, 2; crowns, 2; inlays, 2; and 1 case operated on for necrosed bone. Plates repaired, 12; and 132 patients were examined who did not require any dental work. A new

departure has been provided in examining all newly admitted cases after it has been determined that their detention in the hospital for treatment is necessary.

ELECTROTHERAPEUTIC DEPARTMENT.

The electrical treatment room, which includes the X-ray machine, has been of much service. There have been 44 skiagrams taken, filed and indexed of surgical cases and 31 of medical cases; 8 dental films; 3 cases of epithelioma and puritis treated; and considerable fleuroscopic work done. The wall plate has been frequently used for cases in the out-patient department.

TREATMENT OF SYPHILITIC CASES.

During the year 24 patients — 17 men and 7 women — have received intravenous injections of arsphenamine and intramuscular injections of mercury salicylate. Thirteen have received 5 grams or more in weekly doses of .3 to .6 grams.

The following diagnoses were made:—

| | Men. | Women. | Total. |
|---|------|--------|--------|
| General paresis, | 14 | 1 | 15 |
| Cerebrospinal syphilis, | 1 | — | 1 |
| Congenital syphilis, | — | 2 | 2 |
| Constitutional inferiority, | 2 | — | 2 |
| Dementia præcox, katatonic, | — | 1 | 1 |
| Acute alcoholic hallucinosis, | — | 1 | 1 |
| Involucional melancholia, | — | 1 | 1 |
| Manic-depressive, depressed, | — | 1 | 1 |

Treatments have been given weekly of intravenous injections of arsphenamine in doses of .3 to .6 grams and intramuscular injections of mercury salicylate 1 gram for ten consecutive weeks and again resumed. We have not had ptyalism in any instance from ten intramuscular injections of the salicylate. Check is kept on these cases by repeated Wassermann reaction and the treatment governed accordingly.

Cases Treated.

| | Died. | On Visit. | Transferred. | Remaining in Hospital. |
|-------------------------------|-------|-----------|--------------|---------------------------|
| General paresis, | 2 | 4 | 2 | 7 |
| Cerebrospinal syphilis, . . . | - | - | 1 | - |
| Congenital syphilis, | - | - | - | 2 |

One of the patients on visit reported for a number of weeks and becoming worse is being cared for at home. Two are employed and are of economic value to their families; 1 is improved and able to care for himself. Of those remaining in the hospital, 5 have shown no improvement and 2 are clinically improved and enjoy parole of the grounds.

The Wassermann test on spinal fluid has been positive in 13 cases of general paresis and cerebrospinal syphilis and negative in 3 cases, but all cases have shown characteristic findings of neurosyphilis in fluid. The 3 cases with a negative Wassermann on spinal fluid presented other symptoms of general paresis and had received treatment before coming to this institution.

FIELD WORK.

The social service work has been carried on by Miss Jennie A. Harrington, who has devoted time and study to the wide range of duties embraced in the field, in a commendable manner. Her report is appended.

TRAINING SCHOOL.

During the past year the training school has made a very creditable showing under the able and energetic guidance of Mrs. Elsie I. Richards, the superintendent of nurses. An affiliation was arranged with the Boston City Hospital, replacing the one we formerly had with the Bellevue and Allied Hospitals of New York City. This seems of advantage as the pupils now receive contagious work in addition to the fact that their entire training is received in Massachusetts. A class of twelve was graduated in November, several of whom have

already taken up private nursing or accepted more lucrative positions.

Miss Jennie C. Putnam, valedictorian of the class, was appointed assistant superintendent of nurses.

EMPLOYEES.

Much difficulty has been experienced during the year in securing sufficient help for the various departments of the institution. Although a general wage increase was granted last August, it affected only a temporary relief or improvement, as the great demand for labor in the industries and the continual increase in wages in the community resulted in a large percentage of our employees remaining in the service but a comparatively short time. Notwithstanding the difficulties under which we have been compelled to labor because of our inability to secure a full quota of officers and employees, the fields which embrace the humanitarian and therapeutic work of the hospital have been given energetic attention. That the increased demand has been met by conscientious endeavor, loyalty to the cause and hearty co-operation is plainly indicated by the fact that there have been one hundred and twenty-four more patients discharged than there were during the preceding year. It is true, however, that if the Commonwealth is to continue to maintain the high standard of care for these unfortunate individuals, who, because of mental disease, have become dependent upon the State for supervision and treatment, provision must be made which will enable us to offer better pay to the nurses and attendants, who often have to perform arduous duties that involve self-sacrifice, singleness of purpose and a good conscience.

SUMMER STREET DEPARTMENT.

Dec. 1, 1919, the institution located on Summer Street will become a department of the Worcester State Hospital (General Acts of 1919, chapter 74). This will offer an opportunity for the fulfillment of one of the most urgent needs of the community or district from which we now receive patients, — the establishment of a psychopathic department. There will be

opened to the troubled mind a place where it can seek advice and treatment at the mental clinic; and to the individual whose power of application has become so affected by reason of nervous or mental disease that he can no longer pursue his usual occupation, a place to go voluntarily for hospital care and treatment. By the expenditure of a small amount of money for equipment and minor changes in the interior of the buildings, there would be established a modern institution along the lines of a general hospital, where patients could be sent for the cure or amelioration of mental disease by intensive clinical study and treatment. Medical men in the community would be afforded an opportunity to attend clinics and staff conferences, that they might better understand and apply the principles of mental hygiene, foresee and detect early mental symptoms, institute preventive or remedial measures before the disease process is allowed to progress until it passes beyond the reach of human skill.

The out-patient department will also receive children and adults, from the schools, courts, charitable institutions and other agencies, who show subnormal mentality, delinquency or crime, to have their true mental status determined in order to assist the various agencies in choosing a course of action, in disposing of the case. Individuals suffering from neurosyphilis may go for intensive treatment, although able to live at home and possibly remain a wage earner. Through the out-patient and social service departments, also, those persons who appear to be misfits in our social organism might receive assistance in correcting mental habits or readjusting themselves to new environment, thereby preventing the development or progress of mental disease and preserving them as useful citizens.

PATHOLOGICAL LABORATORY.

The report of the pathologist, Dr. Ada F. Harris, giving detailed account of the work done in the laboratory the past year, is appended.

In addition to the routine work, special study was made of several cases which the autopsy showed to be of unusual interest.

Sixty-two autopsies were performed, being 26 per cent of all

deaths. The histological work and indexing has been kept up to date.

Five papers were written by members of the medical staff, three of which have been published. In order to effect a better staff organization and take advantage of the rich clinical and pathological fields at the hospital, it appears desirable that a clinical and pathological director should be appointed.

STAFF CHANGES.

We have been seriously handicapped many times in the past by not being able to secure or retain in the service many assistants that would have been a fine asset to the hospital staff, because of our inability to meet the financial inducements offered by certain other States; we trust the present Legislature will legalize a salary schedule that will remove this barrier to well-organized scientific advancement.

We were all pleased to welcome the return on April 25, 1919, of Maj. Donald R. Gilfillan, who had responded to the call of his country nearly two years before and had served in the neuropsychiatric unit of the medical department of the United States Army both at home and in France.

Dr. John C. Lindsay, who was on leave of absence, resigned July 24, 1919, immediately after receiving his discharge from the United States Navy, to become assistant superintendent of the Norfolk County Hospital. His wife, Dr. Marie S. Lindsay, also a creditable member of our staff, resigned at the same time.

Dr. Helen W. Ham resigned July 1, 1919, after a few months of loyal and efficient service, at a time when her work was greatly appreciated. It was her intention to prepare for public health work.

Mr. I. Mervyn Webber, a third-year student of the Bowdoin Medical School, served as intern from June 27 to Sept. 30, 1919.

Mr. John F. Corcoran, a third-year student of the medical department of the University of Vermont, served as intern from August 15 to Sept. 26, 1919.

Mr. Herbert W. Smith was appointed steward Dec. 18, 1918, to fill the vacancy that had existed since Sept. 1, 1918.

FARM AND GARDEN.

The farm and garden crops were unusually good in spite of the unfavorable weather conditions. Much care was exercised in the purchase of seed potatoes and the yield was heavy, but the frequent rains resulted in nearly two-thirds of the crop spoiling before or after digging. A Heider tractor and a 2-ton truck, which were purchased early in the year, have been of material assistance to the farmer in his successful operations. A larger number of acres under cultivation and labor shortage required the employment of more patients. Occupation out of doors of those who require but little supervision is beneficial, for the application of the mind of a person suffering with a chronic mental disease retards deterioration and hastens the return of self-confidence and normal interests in the life of recoverable cases.

FIRE.

Thursday morning, Feb. 6, 1919, a fire was discovered in the attic over that section of the hospital known as Washburns, in the northwest wing, which resulted in the destruction of the roof, extensive damage to the ward immediately beneath, and also considerable damage by water to the ceilings of the wards below. An excited patient tore an electric light fixture from the ceiling, causing a short circuit which led to the fire starting in the attic. All the patients on the various floors were moved to a zone of safety and later returned to their respective wards without accident or apparent discomfort. As a result of the fire, the housing accommodations of 11 patients were rendered useless. A special appropriation was granted by the last Legislature for the repair of the damages. The work has been completed and the ward is now occupied.

REPAIRS AND IMPROVEMENTS.

The institution carries a skeleton force of mechanics to attend to the ordinary work of repairs and improvements that occur during the year. Last spring the department was consolidated by the appointment of a foreman mechanic, who had charge of the carpenters, painters, masons and plumbers, and immediate supervision of all work. The rooms at the

steward's quarters were thoroughly renovated. Alterations were made on the lawn cottage. The employees' cottage, farmhouse and the new cottage at Hillside have been painted. The greenhouses were thoroughly overhauled and painted. A rat-proof room has been established in which flour and so forth is now stored. The engineer's cottage, the barn and shed at Hillside Farm have been shingled. A large amount of work has been done on the wards by our carpenters, painters, masons and plumbers. A modern piggery to house sixty-four hogs has been built at Hillside. The radiator surfaces of all steam pipes have been covered. Two Hays Co2 recorders, five draft gauges, and a Republic feed meter have been installed. Brick in fire boxes has been renewed and the grates repaired. Early in the year a Bell telephone system was installed in all the wards and departments of the hospital, and an addition was made to the switchboard of the central telephone exchange. One hundred and twenty stands and several tables were made for the wards, and our workmen, with the assistance of patients, have also kept the hospital furniture in good repair. Linoleum was laid in two wards, and the number of ornamental plants on the wards has been materially increased. In addition, the hospital has been its own contractor in making alterations on buildings at Hillside (Special Acts of 1919, chapter 153) and repairs of damage by fire to the Washburn wards, with the exception of replacing the roof and repairing the outer walls, which was done by a general contractor. The entire repair department has been centralized and located under one roof by moving the plumber's and mason's shops from the basement to the industrial building.

REQUIREMENTS.

In considering the special needs of the institution for the coming year, I desire first to call your attention to the water supply. The hospital receives water from the city's high-pressure service through an 8-inch main which runs from Belmont Street across the property to a point just southwest of the female wards, and from there it encircles the buildings. As was demonstrated at the fire, and since by testing, the volume is not sufficient to maintain pressure enough to be of

any service in case of an emergency, when more than one line of hose is in operation. The lives of patients and thousands of dollars of State property would be in danger should a fire once gain headway, for the firemen would be helpless under conditions which called for several lines of hose. To install another supply main to the present system and make the necessary connections, a sum of \$17,000 would be required.

The capacity of the present laundry is not sufficient to take care of the work of the Summer Street department. To maintain two laundry units would not be economical. By making an addition and certain alterations to the hospital laundry, the work could all be done here, which would effect a considerable reduction in expenditures for supplies and personal services. To build the addition and make the necessary alterations the sum of \$21,000 would be necessary.

For several years the main kitchen has been in need of quite extensive repairs and alterations. The two brick ovens are inadequate to properly handle the amount of work required to bake for our greatly increased population. These alterations to the kitchen building will require an appropriation of \$14,500.

Last year I called to your attention the fact that our present cold storage is inadequate, inefficient and in need of extensive repairs. The ice boxes are damp and offer unfavorable refrigeration, which makes it necessary to purchase supplies weekly. With a modern refrigerating plant advantage could be taken of the market, which would result in a considerable saving in buying meat and certain other commodities. For the erection of a cold-storage building and equipment, the sum of \$45,000 will be needed.

There are five wooden stairways in the hospital which should be replaced by fireproof iron or cement stairs. This would require an appropriation of \$11,000.

The sum of \$8,800 will be required to complete the water supply at the Shrewsbury Colony.

AMUSEMENTS.

The usual weekly dances, motion picture shows and Saturday afternoon convivial parties have served to amuse and entertain the patients. A very interesting musical program

was given us gratuitously by several young ladies from the Mothers Club; also a two-act farce comedy, which was greatly appreciated by the patients, was presented by the Girls League for Community Service.

MISCELLANEOUS.

Religious services have been held regularly by clergymen of different denominations.

Acknowledgments are made to the publisher of the "Fitchburg Sentinel" for copies of his paper, the Worcester Employment Society for sewing, and others who have contributed in any degree to the comfort of the patients.

I desire to thank the officers, heads of departments, nurses, attendants and all other employees for their loyal and helpful co-operation in the work of the past year.

I wish to express my appreciation to your Board for the aid and counsel given me in all matters pertaining to the welfare of the institution.

B. HENRY MASON,

Acting Superintendent.

Nov. 30, 1919.

REPORT OF THE SOCIAL SERVICE DEPARTMENT.

To the Acting Superintendent.

I herewith respectfully submit the following report of the social service department for the year ending Nov. 30, 1919.

The main divisions of the social service department consist of (a) home visiting; (b) social case work; (c) placing and care of patients boarding in private families; (d) investigations; (e) securing social and medical histories outside the hospital.

The territory of the Worcester State Hospital covers a large district, including three counties, — Worcester, Middlesex and Suffolk. At least thirteen cities and towns were visited monthly, making a total of one hundred and fifty-eight for the past year.

The year has included two hundred and eighty-nine working days, of which two hundred and twenty-five were spent in outside work and sixty-four spent in the hospital. The inside work consists mainly in record and file work, interviewing patients on the ward and other persons, attending staff meetings, etc.

A brief description of departmental work is as follows: —

(a) *Home Visiting.* — All patients who leave the hospital are automatically turned over to the social service department for care. Friendly advice and encouragement are the foundation principles of the home-visiting work. Special needs receive due consideration. One hundred and sixty-one home visits were made during the year.

(b) *Social Case Work.* — Social case work includes all problems of a social order, such as inharmonious family life, relief, legal difficulties and child welfare. Social case work is vitally

important to the welfare of the patient and his family in that a possibility of recurrence is to be considered. Eighty-one social cases were dealt with during the year.

(c) *Boarding-out Patients.* — It has been the policy of the State for several years to board certain types of patients in private families. These patients are visited quarterly. One hundred and seventy-one visits were made on boarding-out patients, 6 patients replaced, 12 placed, and 19 returned to the hospital. Patients were returned because of the death of two caretakers, unsuitable homes, and failure of patients to adjust themselves to the surroundings.

(d) *Investigations.* — Investigations form a large part of the social worker's duties. This may be said to be of five kinds: —

(1) Investigations of home prior to discharge from hospital: This is done to enable the patient to live in an environment which has been arranged for his special benefit. Twenty-seven of these investigations were made for the year.

(2) Investigations of complaint relative to patient: This type of work makes intelligent treatment possible. Nine investigations of complaint were made during the year.

(3) Investigations of patients to board in private families: Ten of these investigations were made.

(4) Court investigations: Several patients are sent by the court for observation and in order to do the patient justice a complete story of his life must be known to the physician. Twelve court investigations were made during the year.

(5) Investigations for employment: These investigations are made when the patient has no relatives or friends to help him. It is not the policy of the hospital to discharge a patient into the community without taking an interest in his future welfare and without taking into consideration the environment and employment. Twelve investigations of this nature were made.

(e) *Securing Histories.* — When the hospital physician is unable to secure a medical history the social worker goes into the community to obtain it. These histories include the social situation as well as the medical. It often happens that cases of need are discovered in this work, and such cases

receive proper attention. Ninety-eight histories were procured by the worker during the year.

This department aims to discover social factors connected with mental disorders of the hospital patient and to consider them in an efficient and humane manner.

Respectfully submitted,

JENNIE A. HARRINGTON,

Social Worker.

Nov. 30, 1919.

LABORATORY REPORT.

To the Acting Superintendent of the Worcester State Hospital.

The following report of the laboratory work for the year ending Nov. 30, 1919, is respectfully submitted.

The following clinical work has been completed:—

| | |
|---|-------|
| Urine analyses, | 1,424 |
| Cerebrospinal fluid examinations, | 72 |
| Blood cultures, | 3 |
| Blood counts, | 8 |
| Autogenous vaccines, | 3 |
| Gastric analyses, | 3 |
| Examination of feces, | 3 |
| Throat cultures, | 11 |
| Post-mortem smears, | 70 |
| Sputums, | 24 |
| Smears: abscess, eye, ear, | 9 |
| Smears: cervix and vagina, | 8 |
| <hr/> | |
| Total, | 1,638 |

Histologic examinations have been made of fifty-four autopsied cases and the interesting findings brought to the attention of the staff physicians.

Two cases of pernicious anæmia were worked up in detail, and an article prepared by a student intern, Mr. I. M. Webber, on "Psychoses associated with Pernicious Anæmia" was presented at laboratory staff meeting, the histologic changes occurring in the organs being demonstrated by the projectoscope. Two papers have been written by the pathologist: "Influenza as a Factor in Initiating Psychoses and Precipitating Latent Psychoses;" "Report of a Case of Tuberculosis of the Brain."

Sixty-two autopsies have been performed with the following psychiatric and major anatomical diagnoses:—

Psychoses: —

| | |
|---|----|
| Dementia præcox, | 13 |
| Senile, | 20 |
| With cerebral arteriosclerosis, | 8 |
| Chronic alcoholic hallucinosis, | 3 |
| Korsakow's, | 1 |
| Cerebrospinal syphilis, | 1 |
| General paresis, | 12 |
| With imbecility, | 1 |
| Unclassified, | 3 |
| <hr/> | |
| Total, | 62 |

The major anatomical diagnoses were —

| | |
|---|----|
| Lobar pneumonia, | 6 |
| Broncho-pneumonia (primary), | 1 |
| Broncho-pneumonia (terminal), associated with cardiovascular-renal, | 6 |
| Empyema following lobar pneumonia, | 1 |
| Empyema and pericarditis, | 1 |
| Chronic pulmonary tuberculosis, | 3 |
| Chronic pulmonary tuberculosis, with tuberculous meningitis, | 1 |
| Pulmonary edema, | 1 |
| Chronic myocarditis and interstitial nephritis, | 8 |
| Chronic myocarditis with arteriosclerosis, | 2 |
| Fatty myocarditis with arteriosclerosis, | 2 |
| Coronary thrombosis with arteriosclerosis, | 1 |
| General arteriosclerosis, | 8 |
| Acute enteritis with cardiovascular-renal, | 3 |
| Cerebral hemorrhage, | 3 |
| Syphilitic aortitis, | 1 |
| General paresis, | 6 |
| Carcinoma of gall bladder, | 1 |
| Carcinoma of sigmoid and liver, | 1 |
| Carcinoma of uterus and peritoneum, | 1 |
| Pyelonephritis with stones, | 1 |
| Pernicious anæmia, | 1 |
| Strangulated inguinal hernia, | 1 |
| Asphyxiation by food in bronchi, | 1 |
| Suicide by hanging, | 1 |
| <hr/> | |
| Total, | 62 |

The majority of autopsies have been on elderly people, as will be noted from the following table:—

| | | | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|----|
| 20-30 years, | . | . | . | . | . | . | . | . | . | . | . | . | 1 |
| 30-40 years, | . | . | . | . | . | . | . | . | . | . | . | . | 8 |
| 40-50 years, | . | . | . | . | . | . | . | . | . | . | . | . | 7 |
| 50-60 years, | . | . | . | . | . | . | . | . | . | . | . | . | 12 |
| 60-70 years, | . | . | . | . | . | . | . | . | . | . | . | . | 12 |
| 70-80 years, | . | . | . | . | . | . | . | . | . | . | . | . | 14 |
| 80-90 years, | . | . | . | . | . | . | . | . | . | . | . | . | 8 |

The Wassermann reaction on the blood serum on the autopsied cases has been positive in 15 instances, doubtful in 2; spinal fluid positive in 12, doubtful in 1.

A. F. HARRIS,
Pathologist.

VALUATION.

Nov. 30, 1919.

REAL ESTATE.

| | |
|-----------------------------|----------------|
| Land (578 acres), | \$274,040 00 |
| Buildings, | 1,634,567 19 |
| | <hr/> |
| | \$1,908,607 19 |

PERSONAL PROPERTY.

| | |
|-------------------------------------|--------------|
| Travel, | \$3,818 71 |
| Food, | 16,416 19 |
| Clothing, | 28,381 52 |
| Furnishings, | 101,478 01 |
| Medical and general care, | 13,902 27 |
| Heat, light and power, | 37,205 43 |
| Farm and stable, | 46,972 16 |
| Grounds, | 5,441 82 |
| Repairs, | 11,625 57 |
| | <hr/> |
| | \$265,241 68 |

SUMMARY.

| | |
|------------------------------|----------------|
| Real estate, | \$1,908,607 19 |
| Personal property, | 265,241 68 |
| | <hr/> |
| | \$2,173,848 87 |

TREASURER'S REPORT.

To the Commissioner of Mental Diseases.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1919:—

CASH ACCOUNT.

| | | |
|-----------------------|---------|----|
| Balance Dec. 1, 1918, | \$3,409 | 62 |
|-----------------------|---------|----|

Receipts.

Institution Receipts.

Board of inmates:—

| | | |
|-------------------------|----------|-------------|
| Private, | \$38,131 | 52 |
| Reimbursements, insane, | 24,000 | 62 |
| | | \$62,132 14 |

Sales:—

| | | |
|---|------|----|
| Travel, transportation and office expenses, | \$19 | 29 |
| Food, | 301 | 82 |
| Clothing and materials, | 316 | 61 |
| Furnishings and household supplies, | 190 | 60 |
| Medical and general care, | 21 | 88 |

Farm and stable:—

| | | |
|------------------|---------|----|
| Cows and calves, | \$2,617 | 00 |
| Pigs and hogs, | 769 | 00 |
| Hides, | 222 | 66 |
| Sundries, | 132 | 50 |

3,741 16

| | | |
|--------------------|----|----|
| Repairs, ordinary, | 14 | 57 |
|--------------------|----|----|

4,605 93

Miscellaneous receipts:—

| | | |
|----------------------------|-------|----|
| Interest on bank balances, | \$930 | 88 |
| Sundries, | 95 | 08 |

1,025 96

67,764 03

| | | |
|-------------------------------|-----|----|
| Sales, account of industries, | 625 | 67 |
|-------------------------------|-----|----|

Receipts from Treasury of Commonwealth.

Maintenance appropriations:—

| | | |
|---|----------|----|
| Balance of 1918, | \$17,452 | 76 |
| Advance money (amount on hand November 30), | 17,502 | 12 |
| Approved schedules of 1919, | 416,312 | 72 |

451,267 60

| | | |
|-------------------------|----------|----|
| Special appropriations, | \$24,591 | 04 |
|-------------------------|----------|----|

| | | |
|----------------|----|----|
| Less returned, | 17 | 69 |
|----------------|----|----|

24,573 35

| | | |
|--------|-----------|----|
| Total, | \$547,640 | 27 |
|--------|-----------|----|

Payments.

To treasury of Commonwealth:—

| | |
|---------------------------------|-------------|
| Institution receipts, | \$67,764 03 |
| Industries fund, | 625 67 |

Maintenance appropriations:—

| | |
|--|-------------|
| Balance November schedule, 1918, | \$20,862 38 |
| Eleven months' schedules, 1919, | 416,312 72 |
| November advances (\$16,837.31 + \$42.28), | 16,879 59 |
| | <hr/> |
| | 454,054 69 |

Special appropriations:—

| | |
|-------------------------------|-----------|
| Approved schedules, | 24,573 35 |
|-------------------------------|-----------|

Balance Nov. 30, 1919:—

| | |
|----------------------|---------|
| In bank, | \$60 45 |
| In office, | 562 08 |
| | <hr/> |
| | 622 53 |

| | |
|------------------|--------------|
| Total, | \$547,640 27 |
|------------------|--------------|

MAINTENANCE.

| | |
|---|--------------|
| Appropriation, current year, | \$538,500 00 |
| Balance from previous year brought forward, | 665 00 |

| | |
|---|--------------|
| Total, | \$539,165 00 |
| Expenses (as analyzed below), | 473,142 72 |

| | |
|--|-------------|
| Balance reverting to treasury of Commonwealth, | \$66,022 28 |
|--|-------------|

Analysis of Expenses.

Personal services:—

| | |
|--|--------------|
| B. Henry Mason, acting superintendent, | \$2,490 00 |
| Medical, | 8,075 61 |
| Administration, | 16,225 84 |
| Kitchen and dining-room service, | 8,925 45 |
| Domestic, | 18,120 81 |
| Ward service (male), | 33,458 92 |
| Ward service (female), | 27,803 04 |
| Industrial and educational department, | 2,291 82 |
| Engineering department, | 17,056 85 |
| Repairs, | 13,255 38 |
| Farm, | 12,563 96 |
| Stable, garage and grounds, | 2,556 92 |
| | <hr/> |
| | \$162,824 60 |

Religious instruction:—

| | |
|-----------------------|----------|
| Catholic, | \$600 00 |
| Hebrew, | 260 00 |
| Protestant, | 195 00 |
| | <hr/> |
| | 1,055 00 |

| | |
|-----------------------------------|--------------|
| Amount carried forward, | \$163,879 60 |
|-----------------------------------|--------------|

Amount brought forward, \$163,879 60

Travel, transportation and office expenses:—

| | |
|--|----------|
| Advertising, | \$177 84 |
| Automobiles, | 2,554 98 |
| Automobile repairs and supplies, | 1,821 70 |
| Postage, | 485 60 |
| Printing and binding, | 650 40 |
| Printing annual report, | 260 04 |
| Stationery and office supplies, | 1,500 84 |
| Telephone and telegraph, | 1,219 49 |
| Travel, | 1,223 26 |
| Freight, | 18 81 |

9,912 96

Food:—

| | |
|---|-------------|
| Flour, | \$25,007 27 |
| Cereals, rice, meal, etc., | 5,627 90 |
| Bread, crackers, etc., | 59 74 |
| Peas and beans (canned and dried), | 2,577 02 |
| Macaroni and spaghetti, | 869 29 |
| Potatoes, | 7,404 86 |
| Meat, | 31,966 70 |
| Fish (fresh, cured and canned), | 6,503 89 |
| Butter, | 2,696 00 |
| Butterine, etc., | 10,794 53 |
| Peanut butter, | 35 |
| Cheese, | 1,224 22 |
| Coffee, | 1,360 23 |
| Coffee substitutes, | 277 04 |
| Tea, | 830 32 |
| Cocoa, | 105 63 |
| Milk (whole), | 55 07 |
| Milk (condensed, evaporated, etc.), | 336 44 |
| Eggs (fresh), | 7,688 55 |
| Egg powders, etc., | 341 55 |
| Sugar (cane), | 5,039 77 |
| Fruit (fresh), | 1,095 76 |
| Fruit (dried and preserved), | 5,562 21 |
| Lard and substitutes, | 2,765 83 |
| Molasses and syrups, | 1,304 21 |
| Vegetables (fresh), | 554 72 |
| Vegetables (canned and dried), | 511 80 |
| Seasonings and condiments, | 611 51 |
| Yeast, baking powder, etc., | 240 97 |
| Sundry foods, | 373 48 |

123,786 86

Clothing and materials:—

| | |
|--------------------------------------|------------|
| Boots, shoes and rubbers, | \$2,451 21 |
| Clothing (outer), | 5,287 11 |
| Clothing (under), | 1,555 30 |
| Dry goods for clothing, | 3,125 19 |
| Hats and caps, | 88 71 |
| Leather and shoe findings, | 156 29 |
| Socks and smallwares, | 1,326 45 |
| Freight, | 68 24 |

14,058 50

Amount carried forward, \$311,637 92

Amount brought forward, \$311,637 92

Furnishing and household supplies:—

| | |
|---|-------------|
| Beds, bedding, etc., | \$11,160 80 |
| Carpets, rugs, etc., | 592 98 |
| Crockery, glassware, cutlery, etc., | 2,282 14 |
| Dry goods and smallwares, | 467 14 |
| Electric lamps, | 796 45 |
| Furniture, upholstery, etc., | 980 71 |
| Kitchen and household wares, | 4,204 81 |
| Laundry supplies and materials, | 3,135 38 |
| Lavatory supplies and disinfectants, | 1,403 71 |
| Machinery for manufacturing, | 11 61 |
| Table linen, paper napkins, towels, etc., | 1,120 24 |
| Freight, | 134 42 |

26,290 39

Medical and general care:—

| | |
|---|----------|
| Books, periodicals, etc., | \$406 72 |
| Entertainments, games, etc., | 763 98 |
| Funeral expenses, | 790 00 |
| Gratuities, | 104 78 |
| Ice and refrigeration, | 451 35 |
| Laboratory supplies and apparatus, | 204 30 |
| Manual training supplies, | 48 41 |
| Medicines (supplies and apparatus), | 2,897 79 |
| Medical attendance (extra), | 754 14 |
| Patients boarded out, | 4,465 94 |
| Return of runaways, | 157 20 |
| Tobacco, pipes, matches, | 2,434 80 |
| Water, | 6,654 01 |
| Freight, | 52 60 |

20,186 02

Heat, light and power:—

| | |
|---|-------------|
| Coal (bituminous), | \$27,451 67 |
| Freight and cartage, | 20,046 88 |
| Coal (anthracite), | 5,014 32 |
| Wood, | 14 00 |
| Electricity, | 82 45 |
| Gas, | 608 72 |
| Oil, | 261 05 |
| Operating supplies for boilers and engines, | 113 83 |
| Freight, | 8 60 |

53,601 52

Farm and stable:—

| | |
|--|-----------|
| Bedding materials, | \$565 25 |
| Blacksmithing and supplies, | 724 21 |
| Carriages, wagons and repairs, | 536 03 |
| Dairy equipment and supplies, | 261 65 |
| Fencing materials, | 104 13 |
| Fertilizers, | 612 90 |
| Grain, etc., | 17,993 17 |
| Hay, | 8,233 72 |
| Harnesses and repairs, | 247 94 |

Amounts carried forward, \$27,279 00 \$411,715 85

| | | |
|---|-------------|--------------|
| <i>Amounts brought forward,</i> | \$29,279 00 | \$411,715 85 |
| Farm and stable — <i>Con.</i> | | |
| Cows, | 2,962 00 | |
| Other live stock, | 185 00 | |
| Labor (not on pay roll), | 63 00 | |
| Rent, | 250 00 | |
| Spraying materials, | 68 66 | |
| Stable and barn supplies, | 141 94 | |
| Tools, implements, machines, etc., | 1,457 50 | |
| Trees, vines, seeds, etc., | 853 10 | |
| Veterinary services, supplies, etc., | 715 82 | |
| Sundries, | 3 00 | |
| Freight, | 530 72 | |
| Lime, | 135 00 | |
| | | 36,644 74 |
| Grounds: — | | |
| Road work and materials, | \$146 25 | |
| Tools, implements, machines, etc., | 52 80 | |
| Trees, vines, shrubs, seeds, etc., | 59 35 | |
| Freight, | 3 13 | |
| | | 261 63 |
| Repairs, ordinary: — | | |
| Brick, | \$7 20 | |
| Cement, lime, crushed stone, etc., | 450 26 | |
| Electrical work and supplies, | 1,425 48 | |
| Hardware, iron, steel, etc., | 2,808 92 | |
| Labor (not on pay roll), | 20 00 | |
| Lumber, etc. (including finished products), | 4,247 22 | |
| Paint, oil, glass, etc., | 5,258 13 | |
| Plumbing and supplies, | 1,506 80 | |
| Roofing and materials, | 1,296 96 | |
| Steam fittings and supplies, | 723 66 | |
| Tools, machines, etc., | 992 03 | |
| Boilers, repairs, | 524 54 | |
| Engines, repairs, | 48 68 | |
| Freight, | 184 61 | |
| | | 19,494 49 |
| Repairs and renewals: — | | |
| Collar ironer, | \$300 00 | |
| Press, | 365 00 | |
| Covering radiator surfaces, | 2,764 48 | |
| Boiler meters, | 531 63 | |
| Feed water meters, | 643 50 | |
| Freight, | 24 89 | |
| | | 4,629 50 |
| Industries: — | | |
| Tools, machinery, etc., | \$6 37 | |
| Materials, | 390 14 | |
| | | 396 51 |
| Total expenses for maintenance, | | \$473,142 72 |

SPECIAL APPROPRIATIONS.

| | |
|--|-------------|
| Balance Dec. 1, 1918, | \$15,353 94 |
| Appropriations for fiscal year, | 26,000 00 |
| <hr/> | |
| Total, | \$41,353 94 |
| Expended during the year, | \$25,219 58 |
| Reverting to treasury of Commonwealth, | 26 40 |
| <hr/> | |
| | 25,245 98 |
| <hr/> | |
| Balance Nov. 30, 1919, | \$16,107 96 |

INDUSTRIES FUND.

| | |
|---|------------|
| Appropriation, | \$500 00 |
| Receipts credited, | 625 67 |
| <hr/> | |
| | \$1,125 67 |
| <hr/> | |
| Expenditures, approved schedules, | \$396 51 |
| Balance Nov. 30, 1919, | 729 16 |
| <hr/> | |
| | \$1,125 67 |

RESOURCES AND LIABILITIES.

Resources.

| | |
|---|-------------|
| Cash on hand, | \$622 53 |
| November cash vouchers (paid from advance money), account of maintenance, | 16,879 59 |
| Due from treasury of Commonwealth from avail- able appropriation account November, 1919, schedules, | 39,327 88 |
| <hr/> | |
| | \$56,830 00 |

Liabilities.

| | |
|--|-------------|
| Schedules of November bills, | \$56,830 00 |
|--|-------------|

PER CAPITA.

During the year the average number of inmates has been 1,590.63.

Total cost for maintenance, \$473,142.72.

Equal to a weekly per capita cost of \$5.72.

Receipt from sales, \$5,231.60.

Equal to a weekly per capita of \$0.0632.

All other institution receipts, \$63,158.10.

Equal to a weekly per capita of \$0.7635.

Respectfully submitted,

JESSIE M. D. HAMILTON,

Treasurer.

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

ALONZO B. COOK,

Auditor.

STATEMENT OF FUNDS.

PATIENTS' FUND.

| | | |
|--|------------|-------------|
| Balance on hand Nov. 30, 1918, | \$7,355 23 | |
| Receipts, | 7,157 62 | |
| Interest, | 262 62 | |
| | <hr/> | \$14,775 47 |

| | | |
|---|------------|------------|
| Refunded, | \$6,391 52 | |
| Interest paid to State Treasurer, | 262 62 | |
| | <hr/> | 6,654 14 |
| | | <hr/> |
| | | \$8,121 33 |

Investment.

| | | |
|---|------------|------------|
| Worcester County Institution for Savings, | \$2,000 00 | |
| Worcester Five Cents Savings Bank, | 1,000 00 | |
| Worcester Mechanics Savings Bank, | 1,000 00 | |
| Balance Worcester Bank and Trust Company, | 3,921 54 | |
| Cash on hand Dec. 1, 1919, | 199 79 | |
| | <hr/> | \$8,121 33 |

LEWIS FUND.

| | | |
|--|------------|------------|
| Balance on hand Nov. 30, 1918, | \$1,649 14 | |
| Income, | 69 26 | |
| | <hr/> | \$1,718 40 |
| Expended for vault rent, | | 6 00 |
| | | <hr/> |
| | | \$1,712 40 |

Investment.

| | | |
|---|----------|------------|
| American Telephone and Telegraph Company collateral trust 4 per cent bond, | \$926 36 | |
| Worcester County Institution for Savings, | 349 44 | |
| Mechanics National Bank, savings department, | 348 11 | |
| Balance Worcester Bank and Trust Company, | 88 49 | |
| | <hr/> | \$1,712 40 |

WHEELER FUND.

| | | |
|--|------------|------------|
| Balance on hand Nov. 30, 1918, | \$6,268 25 | |
| Income, | 269 25 | |
| | <hr/> | \$6,537 50 |
| Expended for books, magazines, etc., | | 368 20 |
| | | <hr/> |
| | | \$6,169 30 |

Investment.

| | | |
|---|----------|------------|
| American Telephone and Telegraph Company collateral trust 4 per cent bond, | \$712 50 | |
| Worcester County Institution for Savings, | 332 00 | |
| Worcester Five Cents Savings Bank, | 403 85 | |
| Mechanics Savings Bank, | 221 11 | |
| Mechanics National Bank, savings department, | 392 89 | |
| Third Liberty Loan bonds, | 4,000 00 | |
| Balance Worcester Bank and Trust Company, | 106 95 | |
| | <hr/> | \$6,169 30 |

MANSON FUND.

| | | |
|--|------------|------------|
| Balance Worcester County Institution for Savings Nov. 30, 1918, | \$1,146 46 | |
| Income, | 51 78 | |
| | <hr/> | \$1,198 24 |
| Expended for entertainment, | | 36 00 |
| | | <hr/> |
| | | \$1,162 24 |

Investment.

| | |
|---|------------|
| Worcester County Institution for Savings, | \$1,162 24 |
|---|------------|

Respectfully submitted,

JESSIE M. D. HAMILTON,

Treasurer.

Nov. 30, 1919.

N. B.—The values assigned to the above securities are their respective purchase prices.

STATISTICAL TABLES

AS ADOPTED BY AMERICAN MEDICO-PSYCHOLOGICAL ASSOCIATION

PRESCRIBED BY MASSACHUSETTS COMMISSION ON MENTAL DISEASES

STATISTICAL TABLES.

TABLE 1. — *General Information.*

| | |
|---|----------------|
| 1. Date of opening as an institution for the insane: Jan. 18, 1833. | |
| 2. Type of institution: State. | |
| 3. Hospital plant: — | |
| Value of hospital property: — | |
| Real estate, including buildings, | \$1,908,607 19 |
| Personal property, | 265,241 68 |
| Total, | \$2,173,848 87 |

Total acreage of hospital property, 578.15.

Acreage under cultivation during previous year, 201.25.

| | | | |
|-------------------------------------|------|--------|--------|
| 4. Medical service: — | Men. | Women. | Total. |
| Superintendents (acting), | 1 | — | 1 |
| Assistant physicians, | 5 | 1 | 6 |
| Medical interns, | — | — | — |
| Clinical assistants, | — | — | — |
| Total physicians, | 6 | 1 | 7 |

| | | | |
|--|------|--------|--------|
| 5. Employees on pay roll (not including physicians): — | Men. | Women. | Total. |
| Graduate nurses, | — | 12 | 12 |
| Other nurses and attendants, | 50 | 58 | 108 |
| All other employees, | 80 | 71 | 151 |
| Total employees, | 130 | 141 | 271 |

| | | | |
|---|------|--------|--------|
| 6. Patients employed in industrial classes or in general hospital work on date of report, | Men. | Women. | Total. |
| | 255 | 300 | 555 |
| 7. Patients in institution on date of report (excluding paroles), | 818 | 723 | 1,541 |

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, 1919.

| | INSANE. | | | SANE, VOLUNTARY. | | | INEBRIATE. | | | TOTAL ON BOOKS. | | |
|---|----------|----------|----------|------------------|----------|---------|------------|----------|---------|-----------------|----------|----------|
| | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. |
| 1. Patients on books of institution Sept. 30, 1918, | 1,018 | 875 | 1,893 | 1 | — | 1 | — | — | — | 1,019 | 875 | 1,894 |
| Admissions during year: — | | | | | | | | | | | | |
| (a) First admissions, | 225 | 154 | 379 | 2 | 2 | 4 | — | — | — | 227 | 156 | 383 |
| (b) Readmissions, | 135 | 91 | 226 | — | — | — | — | — | — | 135 | 91 | 226 |
| (c) Total admissions, | 360 | 245 | 605 | 2 | 2 | 4 | — | — | — | 362 | 247 | 609 |
| (d) Transfers from other institutions for the insane, | 5 | 3 | 8 | — | — | — | — | — | — | 5 | 3 | 8 |
| 2. Total received during year, | 365 | 248 | 613 | 2 | 2 | 4 | — | — | — | 367 | 250 | 617 |
| 3. Total under treatment during year, | 1,383 | 1,123 | 2,506 | 3 | 2 | 5 | — | — | — | 1,386 | 1,125 | 2,511 |
| Discharged from books during year: — | | | | | | | | | | | | |
| (a) As recovered, | 39 | 30 | 69 | — | — | — | — | — | — | 39 | 30 | 69 |
| (b) As improved, | 97 | 44 | 141 | — | — | — | — | — | — | 97 | 44 | 141 |
| (c) As unimproved, | 50 | 28 | 78 | — | — | — | — | — | — | 50 | 28 | 78 |
| (d) As not insane, | 27 | 36 | 63 | 2 | 1 | 3 | — | — | — | 29 | 10 | 39 |
| (e) Transferred to other institutions for the insane, | 41 | 25 | 66 | — | — | — | — | — | — | 41 | 25 | 66 |
| (f) Died during year, | 133 | 112 | 245 | — | — | — | — | — | — | 133 | 112 | 245 |
| (g) Nominally dismissed for change of status, | — | — | — | — | — | — | — | — | — | — | — | — |
| 4. Total discharged from books during year, | 387 | 248 | 635 | 2 | 1 | 3 | — | — | — | 389 | 249 | 638 |
| 5. Patients remaining on books of institution Sept. 30, 1919, | 996 | 875 | 1,871 | 1 | 1 | 2 | — | — | — | 997 | 876 | 1,873 |
| <i>Supplementary Data.</i> | | | | | | | | | | | | |
| 6a. Average daily number of patients on books during the year, | 1,004.90 | 879.00 | 1,883.90 | 1.08 | .40 | 1.48 | — | — | — | 1,005.98 | 879.40 | 1,885.38 |
| 6b. Average daily number of patients actually in the institution during the year, | 823.84 | 726.60 | 1,550.44 | .30 | .40 | .70 | — | — | — | 824.14 | 727.00 | 1,551.14 |
| 7a. Average daily number of patients in family care, | .50 | 37.46 | 37.96 | — | — | — | — | — | — | .50 | 37.46 | 37.96 |
| 7b. Average daily number of patients on visit and escape, | 180.56 | 114.94 | 295.50 | .78 | — | .78 | — | — | — | 181.34 | 114.94 | 296.28 |
| 8. Number of voluntary patients admitted during year, | 3 | 1 | 4 | 2 | 2 | 4 | — | — | — | 5 | 3 | 8 |
| 9. Number of temporary-care cases admitted during the year, | 126 | 54 | 180 | — | — | — | — | — | — | 126 | 54 | 180 |

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

| NATIVITY. | PATIENTS. | | | PARENTS OF MALE PATIENTS. | | | PARENTS OF FEMALE PATIENTS. | | |
|-------------------------------|-----------|----------|---------|---------------------------------|----------|---------|-----------------------------------|----------|---------|
| | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. |
| United States, | 111 | 60 | 171 | 50 | 26 | 76 | 39 | 26 | 65 |
| Africa, | - | - | - | - | - | - | - | - | - |
| Asia, | - | - | - | - | - | - | - | - | - |
| Atlantic Islands, | - | - | - | - | - | - | - | - | - |
| Australia, | - | - | - | - | - | - | - | - | - |
| Austria, | - | - | - | 1 | - | 1 | 1 | - | 1 |
| Belgium, | - | - | - | - | - | - | - | - | - |
| Bohemia, | - | - | - | - | - | - | - | - | - |
| Canada, | 23 | 19 | 42 | 28 | 23 | 51 | 33 | 24 | 57 |
| Central America, | - | - | - | - | - | - | - | - | - |
| China, | - | - | - | - | - | - | - | - | - |
| Cuba, | - | - | - | - | - | - | - | - | - |
| Denmark, | - | - | - | - | - | - | - | - | - |
| England, | 6 | 5 | 11 | 11 | 6 | 17 | 12 | 6 | 18 |
| Europe, | - | - | - | - | - | - | - | - | - |
| Finland, | 4 | 2 | 6 | 5 | 2 | 7 | 5 | 2 | 7 |
| France, | - | - | - | 1 | - | 1 | 1 | - | 1 |
| Germany, | 6 | - | 6 | 7 | 2 | 9 | 6 | 2 | 8 |
| Greece, | 5 | 1 | 6 | 5 | 1 | 6 | 5 | 1 | 6 |
| Hawaii, | - | - | - | - | - | - | - | - | - |
| Holland, | - | 1 | 1 | - | 1 | 1 | - | 1 | 1 |
| Hungary, | - | - | - | - | - | - | - | - | - |
| India, | - | - | - | - | - | - | - | - | - |
| Ireland, | 25 | 32 | 57 | 46 | 46 | 92 | 48 | 47 | 95 |
| Italy, | 8 | 4 | 12 | 11 | 4 | 15 | 11 | 4 | 15 |
| Japan, | - | - | - | - | - | - | - | - | - |
| Mexico, | - | - | - | - | - | - | - | - | - |
| Norway, | - | - | - | - | - | - | - | - | - |
| Philippine Islands, | - | - | - | - | - | - | - | - | - |
| Poland, | 8 | 6 | 14 | 8 | 6 | 14 | 8 | 6 | 14 |
| Porto Rico, | - | - | - | - | - | - | - | - | - |
| Portugal, | 2 | - | 2 | 3 | - | 3 | 3 | - | 3 |
| Roumania, | - | - | - | - | - | - | - | - | - |
| Russia, | 13 | 10 | 23 | 13 | 10 | 23 | 13 | 10 | 23 |
| Scotland, | - | 2 | 2 | 3 | 4 | 7 | 2 | 3 | 5 |
| South America, | - | - | - | - | - | - | - | - | - |
| Spain, | - | - | - | - | - | - | - | - | - |
| Sweden, | 9 | 10 | 19 | 11 | 10 | 21 | 10 | 11 | 21 |
| Switzerland, | - | - | - | - | - | - | - | - | - |
| Syria, | 3 | 1 | 4 | - | 1 | 1 | - | 1 | 1 |
| Turkey in Asia, | - | - | - | 3 | - | 3 | 3 | - | 3 |
| Turkey in Europe, | 1 | - | 1 | 1 | - | 1 | 1 | - | 1 |
| Wales, | - | - | - | - | 1 | 1 | - | - | - |
| West Indies, | - | 1 | 1 | - | 1 | 1 | - | 1 | 1 |
| Other countries, | - | - | - | - | - | - | - | - | - |
| Born at sea, | - | - | - | - | - | - | - | - | - |
| Total foreign born, | 113 | 94 | 207 | 157 | 118 | 275 | 162 | 119 | 281 |
| Unascertained, | 1 | - | 1 | 18 | 10 | 28 | 24 | 9 | 33 |
| Grand total, | 225 | 154 | 379 | 225 | 154 | 379 | 225 | 154 | 379 |

TABLE 5. — *Citizens of First Admissions.*

| | Males. | Females. | Totals. |
|---------------------------------------|--------|----------|---------|
| Citizens by birth, | 111 | 60 | 171 |
| Citizens by naturalization, | 7 | 13 | 20 |
| Aliens, | 59 | 18 | 77 |
| Citizenship unascertained, | 48 | 63 | 111 |
| Total, | 225 | 154 | 379 |

TABLE 6. — *Psychoses of First Admissions.*

| PSYCHOSES. | Males. | Females. | Totals. | Males. | Females. | Totals. |
|--|--------|----------|---------|--------|----------|---------|
| 1. Traumatic, | - | - | - | - | - | - |
| 2. Senile, total, | 20 | 24 | 44 | - | - | - |
| (a) Simple deterioration, | 8 | 12 | 20 | - | - | - |
| (b) Presbyophrenic type, | - | 2 | 2 | - | - | - |
| (c) Delirious and confused states, | 3 | 1 | 4 | - | - | - |
| (d) Depressed and agitated states in addition to deterioration, | 1 | 1 | 2 | - | - | - |
| (e) Paranoid states in addition to deterioration, | 8 | 8 | 16 | - | - | - |
| 3. With cerebral arteriosclerosis, | 29 | 4 | 33 | 15 | 2 | 17 |
| 4. General paralysis, | 15 | 2 | 17 | 2 | - | 2 |
| 5. With cerebral syphilis, | 2 | - | 2 | - | - | - |
| 6. With Huntington's chorea, | - | - | - | - | - | - |
| 7. With brain tumor, | - | - | - | - | - | - |
| 8. With other brain or nervous diseases, total, | 1 | 2 | 3 | 1 | 2 | 3 |
| Cerebral embolism, | - | - | - | - | - | - |
| Paralysis, agitated, | - | - | - | - | - | - |
| Tubercular or other forms of meningitis, | 1 | - | 1 | - | - | - |
| Multiple sclerosis, | - | 1 | 1 | - | - | - |
| Tabo-paresis, | - | 1 | 1 | - | - | - |
| Acute chorea, | - | - | - | - | - | - |
| Other conditions, | - | - | - | - | - | - |
| 9. Alcoholic, total, | 37 | 6 | 43 | - | - | - |
| (a) Pathological intoxication, | 1 | - | 1 | - | - | - |
| (b) Delirium tremens, | 5 | - | 5 | - | - | - |
| (c) Acute hallucinosis, | 17 | 2 | 19 | - | - | - |
| (d) Acute paranoid type, | 2 | - | 2 | - | - | - |
| (e) Korsakow's psychosis, | 1 | 1 | 2 | - | - | - |
| (f) Chronic hallucinosis, | 2 | 3 | 5 | - | - | - |
| (g) Chronic paranoid type, | - | - | - | - | - | - |
| (h) Alcoholic deterioration, | 9 | - | 9 | - | - | - |
| (i) Other types, acute or chronic, | - | - | - | - | - | - |
| 10. Due to drugs and other exogenous toxins, total, | - | 1 | 1 | - | 1 | 1 |
| (a) Morphine, cocaine, bromides, chloral, etc., alone or combined, | - | 1 | 1 | - | - | - |
| (b) Metals, as lead, arsenic, etc., | - | - | - | - | - | - |
| (c) Gases, | - | - | - | - | - | - |
| (d) Other exogenous toxins, | - | - | - | - | - | - |
| 11. With pellagra, | - | 2 | 2 | - | 2 | 2 |
| 12. With other somatic diseases, total, | 5 | 8 | 13 | - | - | - |
| (a) Delirium with infectious diseases, | - | - | - | - | - | - |
| (b) Post-infectious psychoses, | 4 | 5 | 9 | - | - | - |
| (c) Exhaustion delirium, | 1 | 1 | 2 | - | - | - |
| (d) Delirium of unknown origin, | - | - | - | - | - | - |
| (e) Diseases of the ductless glands, | - | - | - | - | - | - |
| (f) Cardioresenal disease, | - | 2 | 2 | - | - | - |
| (g) Cancer, | - | - | - | - | - | - |
| (h) Pernicious anæmia, | - | - | - | - | - | - |

TABLE 6. — *Psychoses of First Admissions* — Concluded.

| PSYCHOSES. | Males. | Females. | Totals. | Males. | Females. | Totals. |
|--|--------|----------|---------|--------|----------|---------|
| 13. Manic-depressive, total, | | | | 7 | 16 | 23 |
| (a) Manic type, | 2 | 8 | 10 | | | |
| (b) Depressive type, | 3 | 6 | 9 | | | |
| (c) Stupor, | — | — | — | | | |
| (d) Mixed type, | 1 | 2 | 3 | | | |
| (e) Circular type, | 1 | — | 1 | | | |
| 14. Involution melancholia, | | | | 4 | 9 | 13 |
| 15. Dementia præcox, total, | | | | 61 | 47 | 108 |
| (a) Paranoid type, | 27 | 16 | 43 | | | |
| (b) Katatonic type, | 8 | 16 | 24 | | | |
| (c) Hebephrenic type, | 20 | 9 | 29 | | | |
| (d) Simple type, | 6 | 6 | 12 | | | |
| 16. Paranoia and paranoic conditions, | | | | — | 6 | 6 |
| 17. Psychoneuroses, total, | | | | 1 | 1 | 2 |
| (a) Hysterical type, | | 1 | 1 | | | |
| (b) Psychasthenic type, | 1 | — | 1 | | | |
| (c) Neurasthenic type, | — | — | — | | | |
| 18. With mental deficiency, | | | | 7 | 5 | 12 |
| 19. With constitutional psychopathic inferiority, | | | | 1 | 2 | 3 |
| 20. Epileptic, total, | | | | — | 1 | 1 |
| (a) Deterioration, | — | 1 | 1 | | | |
| (b) Clouded states, | — | — | — | | | |
| (c) Other conditions, | — | — | — | | | |
| 21. Undiagnosed, | | | | 13 | 11 | 24 |
| 22. Not insane, total, | | | | 22 | 7 | 29 |
| (a) Epilepsy without psychosis, | 2 | 1 | 3 | | | |
| (b) Alcoholism without psychosis, | 5 | 2 | 7 | | | |
| (c) Drug addiction without psychosis, | — | — | — | | | |
| (d) Constitutional psychopathic inferiority without psychosis, | 7 | 2 | 9 | | | |
| (e) Mental deficiency without psychosis, | 8 | — | 8 | | | |
| (f) Others (influenza), | — | 2 | 2 | | | |
| Total, | | | | 225 | 154 | 379 |

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

| RACE. | TOTAL. | | | PSYCHOSES. | | | | | | | | | | | | WITH CEREBRAL ARTERIO- SCLEROSIS. | | | WITH CEREBRAL SYPHILIS. | | | WITH HUNTINGTON'S CHOREA. | | | WITH BRAIN TUMOR. | | |
|-----------------------|--------|----------|---------|------------|----------|---------|---------|----------|---------|--------|----------|---------|--------|----------|---------|---|----------|---------|----------------------------|----------|---------|------------------------------|----------|---------|----------------------|----------|---------|
| | Males. | Females. | Totals. | TRAUMATIC. | | | SENILE. | | | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. |
| | | | | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | | | Males. | | | | | | | | | | | | | | |
| African (black), | 1 | 3 | 4 | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| American Indian, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Armenian, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bulgarian, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chinese, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cuban, | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| Dutch and Flemish, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| East Indian, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| English, | 17 | 10 | 27 | | | | 3 | 4 | 7 | | | | | | | 1 | | 1 | | | | | | | | | |
| Finnish, | 4 | 2 | 6 | | | | 1 | 1 | 2 | | | | | | | | | | | | | | | | | | |
| French, | 22 | 13 | 35 | | | | 4 | 4 | 8 | | | | | | | 2 | 1 | 3 | | | | | | | | | |
| German, | 4 | 2 | 6 | | | | 2 | 2 | 4 | | | | | | | | | | | | | | | | | | |
| Greek, | 5 | 1 | 6 | | | | | | | | | | | | | | | | | | | | | | | | |
| Hebrew, | 5 | 2 | 7 | | | | | | | | | | | | | | | | | | | | | | | | |
| Irish, | 42 | 49 | 91 | | | | 4 | 14 | 18 | | | | | | | 1 | | 1 | | | | | | | | | |
| Italian, | 11 | 4 | 15 | | | | | 1 | 1 | | | | | | | 3 | 1 | 4 | | | | | | | | | |
| Japanese, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Korean, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lithuanian, | 3 | 2 | 5 | | | | | | | | | | | | | | | | | | | | | | | | |
| Magyar, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mexican, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pacific Islander, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Portuguese, | 3 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Romanian, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scandinavian, | 12 | 10 | 22 | | | | 1 | 1 | 2 | | | | | | | 1 | | 1 | | | | | | | | | |
| Scotch, | 2 | 4 | 6 | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | |
| Slavonic, | 15 | 12 | 27 | | | | | | | | | | | | | | | | | | | | | | | | |
| Spanish, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Spanish-American, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Syrian, | 3 | 1 | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Turkish, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Welsh, | 1 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| West Indian, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Other specific races, | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mixed, | 73 | 36 | 109 | | | | | | | | | | | | | | | | | | | | | | | | |
| Race unspecified, | 2 | 2 | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Total, | 225 | 154 | 379 | | | | 20 | 24 | 44 | 29 | 4 | 33 | 15 | 2 | 17 | 2 | | 2 | 2 | | | | | | | | |

[illegible]

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

| PSYCHOSES. | TOTAL. | | | YEARS. | | | | | | | | | | | | | | | | | | | | |
|---|--------|----------|---------|-----------|----------|---------|--------|----------|---------|--------|----------|---------|--------|----------|---------|--------|----------|---------|--------|----------|---------|--------|----|----|
| | Males. | Females. | Totals. | UNDER 15. | | | 15-20. | | | 20-25. | | | 25-30. | | | 30-35. | | | 35-40. | | | 40-45. | | |
| | | | | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | | | |
| 1. Traumatic, | 20 | 24 | 44 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 2. Senile, | 29 | 4 | 33 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 3. With cerebral arteriosclerosis, | 15 | 2 | 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 4. General paralysis, | 2 | - | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 5. With cerebral syphilis, | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 6. With Huntington's chorea, | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 7. With brain tumor, | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 8. With other brain or nervous diseases, | 1 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 9. Alcoholic, | 37 | 6 | 43 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 10. Due to drugs and other exogenous toxins, | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 11. With pellagra, | 5 | 8 | 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 12. With other somatic diseases, | 7 | 16 | 23 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 13. Manic-depressive, | 4 | 9 | 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 14. Involution melancholia, | 61 | 47 | 108 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 15. Dementia precox, | 1 | 6 | 7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 16. Paranoia and paraoid conditions, | 1 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 17. Psychoneuroses, | 7 | 5 | 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 18. With mental deficiency, | 1 | 2 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 19. With constitutional psychopathic inferiority, | 1 | 1 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 20. Epileptic, | 13 | 11 | 24 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 21. Undiagnosed, | 22 | 7 | 29 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 22. Not insane, | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Total, | 225 | 154 | 379 | - | - | - | 12 | 7 | 19 | 15 | 11 | 26 | 26 | 19 | 45 | 24 | 14 | 38 | 22 | 21 | 43 | 12 | 13 | 25 |

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. | | |
|---|--------|----------|---------|-------------|----------|---------|-------------------|----------|---------|----------------|----------|---------|--------------|----------|---------|----------|----------|---------|----------------|----------|---------|
| | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. |
| | | | | | | | | | | | | | | | | | | | | | |
| 1. Traumatic, | 20 | 24 | 44 | 2 | 7 | 9 | 8 | 5 | 13 | 7 | 7 | 14 | 1 | 1 | 2 | 2 | 6 | 8 | 1 | 6 | 7 |
| 2. Senile, | 29 | 4 | 33 | 1 | 1 | 2 | 8 | 1 | 8 | 12 | 4 | 16 | 1 | 1 | 2 | 8 | 1 | 8 | 3 | 1 | 4 |
| 3. With cerebral arteriosclerosis, | 15 | 2 | 17 | 1 | 1 | 2 | 2 | 1 | 3 | 10 | 1 | 11 | 1 | 1 | 2 | 3 | 1 | 4 | 1 | 1 | 2 |
| 4. General paralysis, | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 5. With cerebral syphilis, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 6. With Huntington's chorea, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 7. With brain tumor, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 8. With other brain or nervous diseases, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 9. Alcoholic, | 37 | 6 | 43 | 3 | 1 | 4 | 9 | 2 | 11 | 16 | 2 | 18 | 1 | 1 | 2 | 7 | 1 | 8 | 1 | 1 | 2 |
| 10. Due to drugs and other exogenous toxins, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 11. With pellagra, | 5 | 8 | 13 | 1 | 1 | 2 | 2 | 1 | 3 | 3 | 6 | 9 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 12. With other somatic diseases, | 7 | 16 | 23 | 1 | 1 | 2 | 1 | 1 | 2 | 3 | 8 | 11 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 13. Manic-depressive, | 4 | 9 | 13 | 1 | 1 | 2 | 1 | 1 | 2 | 4 | 7 | 11 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 14. Involution melancholia, | 61 | 47 | 108 | 4 | 6 | 10 | 15 | 7 | 22 | 32 | 25 | 57 | 3 | 4 | 7 | 1 | 1 | 2 | 6 | 5 | 11 |
| 15. Dementia præcox, | 1 | 6 | 7 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 16. Paranoia and paranoid conditions, | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 4 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 17. Psycho-neuroses, | 7 | 5 | 12 | 1 | 2 | 3 | 2 | 2 | 4 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 18. With mental deficiency, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 19. With constitutional psychopathic inferiority, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 20. Epileptic, | 13 | 11 | 24 | 1 | 1 | 2 | 2 | 2 | 4 | 6 | 6 | 12 | 1 | 1 | 2 | 3 | 2 | 5 | 3 | 2 | 5 |
| 21. Undiagnosed, | 22 | 7 | 29 | 1 | 1 | 2 | 4 | 1 | 5 | 14 | 3 | 17 | 3 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 2 |
| 22. Not insane, | 225 | 154 | 379 | 13 | 17 | 30 | 52 | 23 | 75 | 115 | 80 | 195 | 11 | 12 | 23 | 2 | 22 | 54 | 32 | 22 | 54 |
| Total, | 225 | 154 | 379 | 13 | 17 | 30 | 52 | 23 | 75 | 115 | 80 | 195 | 11 | 12 | 23 | 2 | 22 | 54 | 32 | 22 | 54 |

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

| PSYCHOSES. | TOTAL. | | | URBAN. | | | RURAL. | | | UNASCERTAINED. | | |
|---|--------|----------|---------|--------|----------|---------|--------|----------|---------|----------------|----------|---------|
| | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. |
| | | | | | | | | | | | | |
| 1. Traumatic, | 20 | 24 | 44 | 16 | 23 | 39 | 4 | 1 | 5 | 1 | 1 | 2 |
| 2. Senile, | 29 | 4 | 33 | 23 | 2 | 25 | 6 | 2 | 8 | 1 | 1 | 2 |
| 3. With cerebral arteriosclerosis, | 15 | 2 | 17 | 14 | 2 | 16 | 1 | 1 | 2 | 1 | 1 | 2 |
| 4. General paralysis, | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 5. With cerebral syphilis, | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 6. With Huntington's chorea, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 7. With brain tumor, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 8. With other brain or nervous diseases, | 1 | 2 | 3 | 1 | 2 | 3 | 1 | 1 | 2 | 1 | 1 | 2 |
| 9. Alcoholic, | 27 | 6 | 33 | 27 | 5 | 32 | 9 | 1 | 10 | 1 | 1 | 2 |
| 10. Due to drugs and other exogenous toxins, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 11. With pellagra, | 5 | 2 | 7 | 4 | 2 | 6 | 1 | 1 | 2 | 1 | 1 | 2 |
| 12. With other somatic diseases, | 7 | 16 | 23 | 6 | 14 | 20 | 1 | 3 | 4 | 1 | 3 | 4 |
| 13. Manic-depressive, | 4 | 9 | 13 | 3 | 7 | 10 | 1 | 2 | 3 | 1 | 2 | 3 |
| 14. Involution melancholia, | 61 | 47 | 108 | 53 | 40 | 93 | 8 | 22 | 30 | 1 | 22 | 23 |
| 15. Dementia praecox, | 1 | 6 | 7 | 1 | 5 | 6 | 1 | 1 | 2 | 1 | 1 | 2 |
| 16. Paranoia and paranoid conditions, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 17. Psychoneuroses, | 7 | 5 | 12 | 3 | 3 | 6 | 4 | 2 | 6 | 1 | 2 | 3 |
| 18. With mental deficiency, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 19. With constitutional psychopathic inferiority, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 20. Epileptic, | 13 | 11 | 24 | 11 | 10 | 21 | 2 | 1 | 3 | 1 | 1 | 2 |
| 21. Undiagnosed, | 22 | 7 | 29 | 17 | 6 | 23 | 5 | 1 | 6 | 1 | 1 | 2 |
| 22. Not insane, | 225 | 154 | 379 | 180 | 129 | 309 | 44 | 25 | 69 | 1 | 1 | 2 |
| Total, | 225 | 154 | 379 | 180 | 129 | 309 | 44 | 25 | 69 | 1 | 1 | 2 |

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

| PSYCHOSES. | TOTAL. | | DEPENDENT. | | MARGINAL. | | COMFORTABLE. | | UNASCERTAINED. | |
|---|--------|----------|------------|--------|-----------|---------|--------------|----------|----------------|----------|
| | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Females. |
| 1. Traumatic. | — | — | — | — | — | — | — | — | — | — |
| 2. Senile. | 20 | 24 | 44 | 11 | 15 | 26 | 4 | 2 | 6 | — |
| 3. With cerebral arteriosclerosis. | 29 | 4 | 33 | 8 | — | 8 | 7 | — | 9 | — |
| 4. General paralysis. | 15 | 2 | 17 | 1 | — | 1 | 1 | — | 6 | — |
| 5. With cerebral syphilis. | 2 | — | 2 | — | — | — | 2 | — | 2 | — |
| 6. With Huntington's chorea. | — | — | — | — | — | — | — | — | — | — |
| 7. With brain tumor. | — | — | — | — | — | — | — | — | — | — |
| 8. With other brain or nervous diseases. | 1 | 2 | 3 | — | — | — | — | — | — | — |
| 9. Alcoholic. | 37 | 6 | 43 | 1 | 1 | 2 | 16 | — | 18 | — |
| 10. Due to drugs and other exogenous toxins. | — | 1 | 1 | — | — | — | — | — | 1 | — |
| 11. With pellagra. | — | 3 | 3 | — | — | — | — | — | 2 | — |
| 12. With other somatic diseases. | 5 | 8 | 13 | 3 | — | — | 3 | — | 4 | — |
| 13. Manic-depressive. | 7 | 16 | 23 | 4 | 5 | 9 | 3 | 8 | 11 | — |
| 14. Involution melancholia. | 4 | 9 | 13 | 1 | 1 | 2 | 3 | 5 | 8 | — |
| 15. Dementia praecox. | 61 | 47 | 108 | 23 | 5 | 28 | 32 | 19 | 51 | — |
| 16. Paranoia and paranoid conditions. | — | 6 | 6 | — | 1 | 1 | — | 4 | 4 | — |
| 17. Psychoneuroses. | 1 | 1 | 2 | — | 1 | 1 | — | 1 | 1 | — |
| 18. With mental deficiency. | 7 | 5 | 12 | 1 | 3 | 4 | — | 1 | 1 | — |
| 19. With constitutional psychopathic inferiority. | 1 | 2 | 3 | — | — | — | — | — | — | — |
| 20. Epileptic. | — | 1 | 1 | — | — | — | — | — | — | — |
| 21. Undiagnosed. | 13 | 11 | 24 | — | 1 | 1 | 8 | 4 | 12 | — |
| 22. Not insane. | 22 | 7 | 29 | 2 | — | 2 | 9 | 3 | 12 | — |
| | 225 | 154 | 379 | 25 | 29 | 54 | 92 | 58 | 150 | — |

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

| PSYCHOSES. | TOTAL. | | ABSTINENT. | | TEMPERATE. | | INTEMPERATE. | | UNASCERTAINED. | |
|---|--------|----------|------------|----------|------------|----------|--------------|----------|----------------|----------|
| | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. | Males. | Females. |
| 1. Traumatic, | 20 | 24 | 1 | 9 | 5 | 9 | 3 | 1 | 11 | 5 |
| 2. Senile, | 29 | 33 | 4 | 3 | 10 | 14 | 3 | 4 | 12 | 16 |
| 3. With cerebral arteriosclerosis, | 15 | 2 | 3 | 2 | 3 | 10 | 3 | 4 | 3 | 3 |
| 4. General paralysis, | 2 | 17 | 2 | 1 | 1 | 5 | 1 | 7 | 1 | 1 |
| 5. With cerebral syphilis, | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6. With Huntington's chorea, | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7. With brain tumor, | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8. With other brain or nervous diseases, | 37 | 6 | 1 | 1 | 1 | 1 | 37 | 6 | 1 | 2 |
| 9. Alcoholic, | 1 | 43 | 1 | 1 | 1 | 1 | 1 | 43 | 1 | 1 |
| 10. Due to drugs and other exogenous toxins, | 2 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 |
| 11. With pellagra, | 2 | 8 | 3 | 4 | 7 | 2 | 1 | 1 | 1 | 1 |
| 12. With other somatic diseases, | 5 | 16 | 3 | 7 | 3 | 1 | 2 | 1 | 3 | 4 |
| 13. Manic-depressive, | 7 | 23 | 2 | 4 | 9 | 3 | 2 | 2 | 1 | 6 |
| 14. Involution melancholia, | 4 | 9 | 1 | 2 | 3 | 4 | 1 | 1 | 2 | 5 |
| 15. Dementia precox, | 61 | 47 | 12 | 23 | 12 | 10 | 21 | 21 | 16 | 30 |
| 16. Paranoia and paranoid conditions, | 1 | 6 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 2 |
| 17. Psychoneuroses, | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| 18. With mental deficiency, | 7 | 5 | 2 | 1 | 2 | 3 | 4 | 4 | 1 | 4 |
| 19. With constitutional psychopathic inferiority, | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 20. Epileptic, | 13 | 1 | 1 | 1 | 4 | 8 | 4 | 4 | 4 | 9 |
| 21. Undiagnosed, | 22 | 11 | 4 | 2 | 3 | 5 | 9 | 1 | 6 | 6 |
| 22. Not insane, | 225 | 7 | 4 | 1 | 3 | 8 | 9 | 10 | 6 | 9 |
| Total, | 225 | 154 | 31 | 61 | 46 | 42 | 91 | 9 | 57 | 42 |
| | | 379 | | 92 | | 88 | | 100 | | 99 |

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

| PSYCHOSES. | TOTAL. | | | SINGLE. | | | MARRIED. | | | WIDOWED. | | | SEPARATED. | | | DIVORCED. | | | UNASCERTAINED. | | |
|---|--------|----------|---------|---------|----------|---------|----------|----------|---------|----------|----------|---------|------------|----------|---------|-----------|----------|---------|----------------|----------|---------|
| | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. |
| | | | | | | | | | | | | | | | | | | | | | |
| 1. Traumatic, | 20 | 24 | 44 | 3 | 3 | 6 | 9 | 4 | 13 | 7 | 17 | 24 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 2. Senile, | 29 | 4 | 33 | 4 | 4 | 8 | 19 | 1 | 20 | 6 | 3 | 9 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 3. With cerebral arteriosclerosis, | 15 | 2 | 17 | 5 | 1 | 6 | 8 | 1 | 9 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 4. General paralysis, | 2 | — | 2 | — | — | — | 2 | — | 2 | — | — | — | — | — | — | — | — | — | — | — | — |
| 5. With cerebral syphilis, | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 6. With Huntington's chorea, | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 7. With brain tumor, | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 8. With other brain or nervous diseases, | 1 | 2 | 3 | — | — | — | 1 | 2 | 3 | — | — | — | — | — | — | — | — | — | — | — | — |
| 9. Alcoholic, | 37 | 6 | 43 | 12 | 1 | 13 | 19 | 2 | 21 | 5 | 3 | 8 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 10. Due to drugs and other exogenous toxins, | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 11. With pellagra, | — | 2 | 2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 12. With other somatic diseases, | 5 | 8 | 13 | 2 | 1 | 3 | 1 | 3 | 4 | 2 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 13. Manic-depressive, | 7 | 16 | 23 | 2 | 2 | 4 | 3 | 1 | 4 | 2 | 2 | 4 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 14. Involution melancholia, | 4 | 9 | 13 | 2 | 2 | 4 | 4 | 4 | 8 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 15. Dementia præcox, | 61 | 47 | 108 | 47 | 25 | 72 | 13 | 16 | 29 | 1 | 5 | 6 | — | — | — | — | — | — | — | — | — |
| 16. Paranoia and paranoid conditions, | — | 6 | 6 | — | 4 | 4 | — | 1 | 1 | — | — | 1 | — | — | — | — | — | — | — | — | — |
| 17. Psychoneuroses, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | — | — | — | — | — | — | — | — | — | — | — | — |
| 18. With mental deficiency, | 1 | 1 | 2 | 1 | 1 | 2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 19. With constitutional psychopathic inferiority, | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 20. Epileptic, | 13 | 11 | 24 | 2 | 1 | 3 | 9 | 7 | 16 | 2 | 3 | 5 | — | — | — | 1 | 1 | 2 | — | — | — |
| 21. Undiagnosed, | 22 | 7 | 29 | 11 | 1 | 12 | 7 | 3 | 10 | 3 | 2 | 5 | — | — | — | — | — | — | — | — | — |
| 22. Not insane, | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Total, | 225 | 154 | 379 | 98 | 51 | 149 | 92 | 58 | 150 | 28 | 42 | 70 | 3 | — | 3 | 4 | 3 | 7 | — | — | — |

TABLE 14. — *Psychoses of Readmissions.*

| PSYCHOSES. | Males. | Females. | Totals. | Males. | Females. | Totals. |
|--|--------|----------|---------|--------|----------|---------|
| 1. Traumatic, | - | - | - | - | - | - |
| 2. Senile, total, | 1 | 3 | 4 | | | |
| (a) Simple deterioration, | - | - | - | | | |
| (b) Presbyophrenic type, | - | - | - | | | |
| (c) Delirious and confused states, | - | - | - | | | |
| (d) Depressed and agitated states in addition to deterioration, | - | 1 | 1 | | | |
| (e) Paranoid states in addition to deterioration, | 1 | 2 | 3 | | | |
| 3. With cerebral arteriosclerosis, | - | - | - | 1 | 3 | 4 |
| 4. General paralysis, | - | - | - | 15 | 2 | 17 |
| 5. With cerebral syphilis, | - | - | - | 1 | - | 1 |
| 6. With Huntington's chorea, | - | - | - | - | - | - |
| 7. With brain tumor, | - | - | - | - | - | - |
| 8. With brain or nervous diseases, total, | - | - | - | - | - | - |
| Cerebral embolism, | - | - | - | | | |
| Paralysis agitans, | - | - | - | | | |
| Tubercular or other forms of meningitis, | - | - | - | | | |
| Multiple sclerosis, | - | - | - | | | |
| Tabo-paresis, | - | - | - | | | |
| Acute chorea, | - | - | - | | | |
| Other conditions, | - | - | - | | | |
| 9. Alcoholic, total, | - | - | - | 17 | 1 | 18 |
| (a) Pathological intoxication, | - | - | - | | | |
| (b) Delirium tremens, | 1 | - | 1 | | | |
| (c) Acute hallucinosis, | 5 | - | 5 | | | |
| (d) Acute paranoid type, | - | - | - | | | |
| (e) Korsakow's psychosis, | - | - | - | | | |
| (f) Chronic hallucinosis, | 3 | - | 3 | | | |
| (g) Chronic paranoid type, | 3 | - | 3 | | | |
| (h) Alcoholic deterioration, | 5 | 1 | 6 | | | |
| (i) Other types, acute or chronic, | - | - | - | | | |
| 10. Due to drugs and other exogenous toxins, total, | - | - | - | - | - | - |
| (a) Morphine, cocaine, bromides, chloral, etc., alone or combined, | - | - | - | | | |
| (b) Metals, as lead, arsenic, etc., | - | - | - | | | |
| (c) Gases, | - | - | - | | | |
| (d) Other exogenous toxins, | - | - | - | | | |
| 11. With pellagra, | - | - | - | - | - | - |
| 12. With other somatic diseases, total, | - | - | - | - | 1 | 1 |
| (a) Delirium with infectious diseases, | - | - | - | | | |
| (b) Post-infectious psychoses, | - | - | - | | | |
| (c) Exhaustive delirium, | - | - | - | | | |
| (d) Delirium of unknown origin, | - | - | - | | | |
| (e) Diseases of the ductless glands, | - | - | - | | | |
| (f) Cardiorenal disease, | - | - | - | | | |
| (g) Cancer, | - | - | - | | | |
| (h) Other diseases or conditions (myoidema), | - | 1 | 1 | | | |
| 13. Manic-depressive, total, | - | - | - | 15 | 27 | 42 |
| (a) Manic type, | 12 | 16 | 28 | | | |
| (b) Depressive type, | 3 | 11 | 14 | | | |
| (c) Stupor, | - | - | - | | | |
| (d) Mixed type, | - | - | - | | | |
| (e) Circular type, | - | - | - | | | |
| 14. Involution melancholia, | - | - | - | 1 | 4 | 5 |
| 15. Dementia præcox, total, | - | - | - | 63 | 36 | 99 |
| (a) Paranoid type, | 39 | 15 | 54 | | | |
| (b) Katatonic type, | 9 | 10 | 19 | | | |
| (c) Hebephrenic type, | 11 | 9 | 20 | | | |
| (d) Simple type, | 4 | 2 | 6 | | | |
| 16. Paranoia and paranoic conditions, | - | - | - | - | 4 | 4 |
| 17. Psychoneuroses, total, | - | - | - | 2 | 1 | 3 |
| (a) Hysterical type, | - | - | - | | | |
| (b) Psychasthenic type, | 1 | 1 | 2 | | | |
| (c) Neurasthenic type, | 1 | - | 1 | | | |
| 18. With mental deficiency, | - | - | - | 4 | 3 | 7 |
| 19. With constitutional psychopathic inferiority, | - | - | - | - | 1 | 1 |
| 20. Epileptic, total, | - | - | - | 2 | - | 2 |
| (a) Deterioration, | 2 | - | 2 | | | |
| (b) Clouded states, | - | - | - | | | |
| (c) Other conditions, | - | - | - | | | |

TABLE 14. — *Psychoses of Readmissions* — Concluded.

| PSYCHOSES. | Males. | Females. | Totals. | Males. | Females. | Totals. |
|---|--------|----------|---------|--------|----------|---------|
| 21. Undiagnosed, | . | . | . | 7 | 1 | 8 |
| 22. Not insane, total, | . | . | . | 6 | 4 | 10 |
| (a) Epilepsy without psychosis, | — | — | — | | | |
| (b) Alcoholism without psychosis, | — | — | — | | | |
| (c) Drug addiction without psychosis, | — | — | — | | | |
| (d) Constitutional psychopathic inferiority with- out psychosis, | 2 | 1 | 3 | | | |
| (e) Mental deficiency without psychosis, | 4 | 3 | 7 | | | |
| (f) Others, | — | — | — | | | |
| Total, | . | . | . | 135 | 91 | 226 |

TABLE 15. — Discharges of Patients classified with Reference to Principal Psychoses and Condition of Discharge.

| PSYCHOSES. | TOTAL. | | | RECOVERED. | | | IMPROVED. | | | UNIMPROVED. | | | NOT INSANE. | | |
|---|--------|----------|---------|------------|----------|---------|-----------|----------|---------|-------------|----------|---------|-------------|----------|---------|
| | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. |
| | | | | | | | | | | | | | | | |
| 1. Traumatic, | 5 | 1 | 10 | — | — | — | 1 | 1 | 2 | 4 | 4 | 8 | — | — | — |
| 2. Senile, | 5 | 3 | 8 | — | — | — | 4 | 2 | 6 | 1 | 1 | 2 | — | — | — |
| 3. With cerebral arteriosclerosis, | 5 | 3 | 8 | — | — | — | 6 | 1 | 7 | 2 | — | 2 | — | — | — |
| 4. General paralysis, | 8 | — | 8 | — | — | — | 1 | 1 | 2 | 1 | — | 1 | — | — | — |
| 5. With cerebral syphilis, | 2 | 1 | 3 | — | — | — | 1 | — | — | — | — | — | — | — | — |
| 6. With Huntington's chorea, | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 7. With brain tumor, | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 8. With other brain or nervous diseases, | 1 | — | 1 | — | — | — | 1 | — | 1 | — | — | — | — | — | — |
| 9. Alcoholic, | 53 | 5 | 58 | 36 | 3 | 39 | 13 | 1 | 14 | 4 | 1 | 5 | — | — | — |
| 10. Due to drugs and other exogenous toxins, | — | 2 | 2 | — | 1 | 1 | — | 1 | 1 | — | — | — | — | — | — |
| 11. With pellagra, | 1 | 1 | 2 | 1 | 1 | 2 | — | — | — | — | — | — | — | — | — |
| 12. With other somatic diseases, | 13 | 1 | 14 | 1 | — | 1 | — | — | — | — | — | — | — | — | — |
| 13. Manic-depressive, | 23 | 10 | 36 | 1 | 18 | 19 | 10 | 5 | 15 | 2 | 2 | 4 | — | — | — |
| 14. Involution melancholia, | 71 | 43 | 114 | — | 7 | 7 | 48 | 27 | 75 | 23 | 16 | 39 | — | — | — |
| 15. Dementia præcox, | 2 | 6 | 8 | — | — | — | 2 | 2 | 4 | 1 | 2 | 3 | — | — | — |
| 16. Paranoia and paranoid conditions, | 1 | 1 | 2 | — | — | — | 3 | 1 | 4 | 1 | 1 | 2 | — | — | — |
| 17. Psychoneuroses, | 6 | 2 | 8 | — | — | — | — | — | — | — | — | — | — | — | — |
| 18. With mental deficiency, | 3 | — | 3 | — | — | — | 1 | 1 | 2 | — | — | — | — | — | — |
| 19. With constitutional psychopathic inferiority, | 3 | — | 3 | — | — | — | — | — | — | — | — | — | — | — | — |
| 20. Epileptic, | 2 | 1 | 3 | — | — | — | 1 | 1 | 2 | — | — | — | — | — | — |
| 21. Undiagnosed, | 12 | 1 | 13 | — | — | — | 7 | — | 7 | 4 | 1 | 5 | — | — | — |
| 22. Not insane, | 27 | 9 | 36 | — | — | — | — | — | — | — | — | — | 27 | 9 | 36 |
| Total, | 213 | 111 | 324 | 39 | 30 | 69 | 97 | 44 | 141 | 50 | 23 | 73 | 27 | 9 | 36 |

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

| PSYCHOSES. | TOTAL. | | | YEARS. | | | | | | | | | | | | | | | | | | | | |
|---|--------|----------|---------|-----------|----------|---------|--------|----------|---------|--------|----------|---------|--------|----------|---------|--------|----------|---------|--------|----------|---------|--------|---|----|
| | Males. | Females. | Totals. | UNDER 15. | | | 15-20. | | | 20-25. | | | 25-30. | | | 30-35. | | | 35-40. | | | 40-45. | | |
| | | | | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | | | |
| 1. Traumatic, | 24 | 31 | 55 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 2. Senile, | 15 | 10 | 25 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 3. With cerebral arteriosclerosis, | 29 | 10 | 39 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 4. General paralysis, | 3 | 1 | 4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 5. With cerebral syphilis, | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 6. With Huntington's chorea, | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 7. With brain tumor, | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 8. With other brain or nervous diseases, | 1 | 2 | 3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 9. Alcoholic, | 12 | 5 | 17 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 10. Due to drugs and other exogenous toxins, | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 11. With pellagra, | — | 1 | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 12. With other somatic diseases, | 1 | 3 | 4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 13. Manic-depressive, | 4 | 7 | 11 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 14. Involution melancholia, | 2 | 5 | 7 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 15. Dementia præcox, | 35 | 31 | 66 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 16. Paranoia and paranoid conditions, | — | 1 | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 17. Psychoneuroses, | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 18. With mental deficiency, | 2 | 2 | 4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 19. With constitutional psychopathic inferiority, | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 20. Epileptic, | 2 | — | 2 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 21. Undiagnosed, | 3 | 2 | 5 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| 22. Not insane, | — | 1 | 1 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | |
| Total, | 133 | 112 | 245 | — | — | — | 1 | — | 1 | 5 | — | 5 | 9 | 8 | 17 | 7 | 6 | 13 | 12 | 6 | 18 | 12 | 8 | 20 |

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

| PSYCHOSES. | TOTAL. | MONTHS. | | | | | | | | | | YEARS. | | | | | | | |
|---|--------|--------------|-----|----------|----|---------|----|--------|----|----------|---|---------|----|--------|----|----------|----|---------|----|
| | | LESS THAN 1. | | | | | | 1-3. | | 4-7. | | 8-12. | | 1-2. | | 3-4. | | | |
| | | Males. | | Females. | | Totals. | | Males. | | Females. | | Totals. | | Males. | | Females. | | Totals. | |
| | | | | | | | | | | | | | | | | | | | |
| 1. Traumatic, | 24 | 31 | 55 | 1 | 4 | 6 | 3 | 9 | 4 | 4 | 8 | 1 | 10 | 4 | 14 | 1 | 3 | 1 | 3 |
| 2. Senile, | 15 | 10 | 25 | 5 | 5 | 6 | 3 | 5 | 1 | 1 | 2 | 2 | 1 | 3 | 14 | 1 | 1 | 1 | 3 |
| 3. With cerebral arteriosclerosis, | 29 | 10 | 39 | 1 | 1 | 2 | 1 | 1 | 1 | 8 | 1 | 1 | 1 | 11 | 1 | 1 | 3 | 1 | 3 |
| 4. General paralysis, | 3 | 1 | 4 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 5. With cerebral syphilis, | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 6. With Huntington's chorea, | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 7. With brain tumor, | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 8. With other brain or nervous diseases, | 12 | 5 | 17 | 4 | 2 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 3 | 1 | 1 | 1 | 1 |
| 9. Alcoholic, | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10. Due to drugs and other exogenous toxins, | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11. With pellagra, | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12. With other somatic diseases, | 4 | 3 | 7 | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 13. Manic-depressive, | 2 | 5 | 7 | 1 | 1 | 2 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| 14. Involution melancholia, | 35 | 31 | 66 | 1 | 1 | 2 | 1 | 1 | 1 | 4 | 1 | 1 | 1 | 5 | 8 | 13 | 7 | 7 | 14 |
| 15. Dementia præcox, | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 | 5 | 2 | 2 | 2 | 2 |
| 16. Paranoia and paranoid conditions, | 2 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 |
| 17. Psychoneuroses, | 2 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 |
| 18. With mental deficiency, | 2 | 2 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 | 1 |
| 19. With constitutional psychopathic inferiority, | 3 | 1 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 20. Epileptic, | 3 | 2 | 5 | 2 | 1 | 3 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 21. Undiagnosed, | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 22. Not insane, | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total, | 133 | 112 | 245 | 16 | 14 | 30 | 22 | 17 | 39 | 16 | 9 | 6 | 15 | 25 | 53 | 12 | 12 | 24 | 24 |

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

| PSYCHOSES. | YEARS. | | | | | | | | | | | |
|---|--------|----------|---------|--------|----------|---------|--------|----------|---------|--------|----------|---------|
| | 5-10. | | | 10-15. | | | 15-20. | | | 20-25. | | |
| | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. | Males. | Females. | Totals. |
| 1. Traumatic, | 2 | 3 | 5 | 2 | 2 | 4 | 1 | 1 | 2 | 1 | 1 | 2 |
| 2. Senile, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 3. With cerebral arteriosclerosis, | 3 | 3 | 6 | 3 | 3 | 6 | 3 | 3 | 6 | 3 | 3 | 6 |
| 4. General paralysis, | 3 | 3 | 6 | 3 | 3 | 6 | 3 | 3 | 6 | 3 | 3 | 6 |
| 5. With cerebral syphilis, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 6. With Huntington's chorea, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 7. With brain tumor, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 8. With other brain or nervous diseases, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 9. Alcoholic, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 10. Due to drugs and other exogenous toxins, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 11. With pellagra, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 12. With other somatic diseases, | 3 | 1 | 4 | 2 | 2 | 4 | 1 | 1 | 2 | 1 | 1 | 2 |
| 13. Manic-depressive, | 3 | 1 | 4 | 2 | 2 | 4 | 1 | 1 | 2 | 1 | 1 | 2 |
| 14. Involution melancholia, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 15. Dementia præcox, | 9 | 9 | 18 | 4 | 1 | 5 | 3 | 3 | 6 | 2 | 1 | 3 |
| 16. Paranoia and paranoid conditions, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 17. Psychoneuroses, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 18. With mental deficiency, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 19. With constitutional psychopathic inferiority, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 20. Epileptic, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 21. Undiagnosed, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| 22. Not insane, | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 |
| Total, | 18 | 19 | 37 | 6 | 3 | 9 | 2 | 4 | 6 | 3 | 1 | 4 |

TABLE 19. — *Family-care Department.*

| | Males. | Females. | Totals. |
|--|--------|----------|---------|
| Remaining Sept. 30, 1918, | - | 43 | 43 |
| Admitted within the year, | 2 | 14 | 16 |
| Nominally returned from visit for discharge, . . . | - | - | - |
| Whole number of cases within the year, | 2 | 57 | 59 |
| Dismissed within the year, | 1 | 23 | 24 |
| Returned to institution, | 1 | 22 | 23 |
| Discharged, | - | - | - |
| Died, | - | 1 | 1 |
| Visit, | - | - | - |
| Escaped, | - | - | - |
| Remaining Sept. 30, 1919, | 1 | 34 | 35 |
| Supported by the State, | - | 23 | 23 |
| Private, | - | 7 | 7 |
| Self-supporting, | 1 | 4 | 5 |
| Number of different persons within the year, . . . | 1 | 50 | 51 |
| Number of different persons admitted, | 1 | 14 | 15 |
| Number of different persons dismissed, | 1 | 21 | 22 |
| Daily average number, | .51 | 37.45 | 37.96 |
| State, | - | 26.67 | 26.67 |
| Private, | - | 6.78 | 6.78 |
| Self-supporting, | .51 | 4.00 | 4.51 |





