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EIGHTY-FOURTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

WORCESTER STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1916.



BOSTON:
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
32 DERNE STREET.
1917.

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APPROVED BY THE
SUPERVISOR OF ADMINISTRATION.

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OFFICERS OF THE HOSPITAL.

TRUSTEES.

DONALD GORDON,	BOSTON.
ELLEN A. SHEEHAN,	WORCESTER.
GEORGIE A. BACON,	WORCESTER.
WILLIAM J. DELEHANTY,	WORCESTER.
<hr/>	
AMOS B. CHASE,	LYNN.
JOHN G. PERMAN,	WORCESTER.

RESIDENT OFFICERS.

ERNEST V. SCRIBNER, M.D.,	<i>Superintendent.</i>
B. HENRY MASON, M.D.,	<i>Senior Assistant Physician.</i>
HAROLD C. AREY, M.D.,	<i>Assistant Physician.</i>
JENNIE G. McINTOSH, M.D.,	<i>Assistant Physician.</i>
ARTHUR H. MOUNTFORD, M.D.,	<i>Assistant Physician.</i>
LILLIAN L. MacPHEE, M.D.,	<i>Junior Assistant Physician.</i>
MARIAN K. LIBBY,	<i>Director of Industrial Therapeutics.</i>
EMMA J. WRIGHT,	<i>Superintendent of Nurses.</i>
ARTHUR E. GILMAN,	<i>Steward.</i>
BERTHA HARRIS,	<i>Matron.</i>
JOSEPH T. REYNOLDS,	<i>Farmer.</i>

NONRESIDENT OFFICERS.

HAROLD I. GOSLINE, M.D.,	<i>Pathologist.</i>
HOWARD BEAL, M.D.,	<i>Consulting Surgeon.</i>
MARIE L. DONOHUE,	<i>Social Service Worker.</i>
WAYNE F. SHIPMAN, D.D.S.,	<i>Dentist.</i>
GEORGE E. PARESEAU,	<i>Druggist.</i>
JESSIE M. D. HAMILTON,	<i>Clerk.</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 herewith present their eighty-fourth annual report, and respectfully call your attention to the appended reports of the superintendent, treasurer and pathologist, which furnish a more complete understanding of the condition and needs of the institution and its inmates.

Last year we presented the need of a laundry and industrial building which would bring the equipment of the institution more thoroughly up to date and allow the present laundry to be converted into a congregate dining room, thereby doing away with a large number of small ward dining rooms, and providing additional space for dormitory purposes.

We asked for appropriations to construct two cottages and two bungalows, that service at the hospital might be strengthened through greater possibilities for home life on the part of men with families.

We again renewed our request for the installation of a cold-storage plant, and we emphasized a solution of the sewage problem.

While these needs are even more urgent than at any time in the history of the institution, we hold in abeyance the continued presentation of all except that which relates to sewage disposal.

The Legislature of 1916, according to Special Acts, chapter 363, endeavored to meet this particular need; but the proponent of the measure having failed to thoroughly acquaint himself with the situation before presenting his petition, the appropriation granted was too small and the time limit too short to make

compliance with the act possible. We therefore urge most strongly that you lend your influence towards the passage of the bill which is to be presented to the Legislature of 1917, and which, without doubt, will cover the whole situation.

A need that has existed for some time, but which we have attempted to meet by degrees through our allowance for repairs and improvements, is the renewal of plumbing in the main building at the hospital proper.

The constant use of the water sections and their manner of treatment by irresponsible persons cause rapid deterioration. Many sections are still fitted with antiquated conveniences and further depreciation might become a menace to the health of the inmates. This need which is most insistent we recommend to your thoughtful consideration.

For many years the institution has owned a farm of some 130 acres in the town of Shrewsbury. At a distance from the center it has provided an ideal place for the hospital's swine and poultry. It is there that the non-milk producing herd is kept.

For a great many years no money has been expended at Hill-side except for minor improvements and repairs. Last year, at the request of the State Board of Insanity, the Legislature appropriated the sum of \$20,000 for the construction of a building to house 50 male patients; this is rapidly nearing completion and, when finished, 50 patients, besides employees, will be located there.

This increase of population makes an adequate water supply and facilities for the proper disposal of sewage an immediate necessity. We therefore recommend this need to your earnest consideration.

A certain proportion of our patients who pass to the great beyond are buried at the expense of the State, and the present capacity of the hospital's burial lot at Hope Cemetery is inadequate for the needs of even the immediate future. We therefore urge your approval of the purchase of additional land, that a final resting place for these poor unfortunates may be assured.

The expense of maintaining the State's institutions has assumed such proportions that it is with some hesitancy that we mention the question of wages and salaries.

Institution labor is brought into competition with that in the

outside world, and our inability to meet the rate of wages paid by private enterprises, or in certain instances with that paid in other State institutions, makes the securing and retaining of employees more and more difficult. We beg that you will use your influence towards a satisfactory adjustment of this problem.

Changes occur annually in our medical staff, but the year that is past has witnessed an unusual number of resignations. The more attractive service of a general hospital, larger pay and greater opportunity for advancement have been the reasons given.

Among the resignations of the year which we have accepted with regret was that of Miss Elsie I. MacKenzie, superintendent of nurses, a woman eminently qualified for the position, and who through wise direction brought the nursing force of the institution up to a higher standard of efficiency. The call to preside over a home of her own made it impossible to retain her services for a longer period.

For two years we have sought an increase in the salary of our superintendent, a man of rare skill and judgment, who for more than thirty-two years has served the best interests of the State. We trust the time is near at hand when his ability can and will be recognized by an advance equal to that given men of many years' less service.

To our superintendent we say, "Well done, good and faithful servant;" to the members of his staff and to those who in any capacity have been associated with the institution we express our appreciation of the services they have rendered.

Respectfully submitted,

DONALD GORDON.
ELLEN A. SHEEHAN.
GEORGIE A. BACON.
WILLIAM J. DELEHANTY.

AMOS B. CHASE.
JOHN G. PERMAN.

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, 1916, it being the eighty-fourth annual report.

There remained at the hospital Oct. 1, 1915, 1,459 patients, — 715 men and 744 women. During the year ending Sept. 30, 1916, there were admitted 872 patients, — 517 men and 355 women. Eight hundred and twenty-seven patients — 432 men and 395 women — were dismissed from the hospital. Of this number, 322 patients — 203 men and 119 women — were discharged; 231 patients — 112 men and 119 women — died; 95 patients — 13 men and 82 women — were transferred; and 175 patients — 101 men and 74 women — left on visit or escape; leaving at the end of the statistical year, 1,504 patients — 800 men and 704 women. Of this number, 1,301 were supported by the State, 110 by friends, and 93 as reimbursing patients. Of the 417 patients discharged and transferred, 43 were reported recovered, 91 capable of self-support, 65 improved and 100 not improved. Fourteen men and 9 women were discharged as not insane. Seven men and 12 women were transferred by the Massachusetts Commission on Mental Diseases to the State Infirmary; 1 woman to the Danvers State Hospital; 2 men to the Boston State Hospital; 30 women to the Grafton State Hospital; 1 woman to Dr. Ring's Sanitarium; 1 man and 1 woman to the Foxborough State Hospital; 1 man and 35 women to the Gardner State Colony; 1 man to the School for Feeble-minded; 1 man to Pinewood Rest; 1 woman to the Westborough State Hospital; and 1 woman to the Medfield State Hospital. Thirteen men and 4 women were removed from the State; and 18 men and 8 women were deported.

There remained at the end of the year 45 patients more than at the beginning. The smallest number under treatment on any

one day was 1,459, and the largest, 1,539. The daily average number was 1,504.87.

The percentage of recoveries, calculated upon the number of discharges and deaths, was 7.7; calculated upon the number of admissions it was 4.9.

The death rate was 9.9, calculated on the whole number of patients under treatment, and 15.3, calculated on the daily average number.

In considering the movement of the hospital population it is of interest to note that 872 patients were admitted, 517 men and 355 women, and that the men were largely in excess of the women. The number of admissions is the largest of any year in the history of the institution. Considering the forms of mental disease in those admitted for the first time, we find dementia præcox largely predominates, followed by organic and senile dementia, general paralysis and manic-depressive insanity, given in the order of frequency. It will be noted that considerable numbers of patients have been transferred to other State institutions. The general effect of these transfers, while it lessens the numbers, is to cause an accumulation here of the feeble, the demented and the turbulent. The increase in the temporary-care cases, to which your attention was called in the last report, has continued, the number in this class having nearly doubled within the year. I would again advise that it would be of benefit to the community if the time of detention under this act should be increased to twenty-one days.

Alcohol and syphilis are as usual prominent exciting causes in the cases admitted, showing the necessity of continued public agitation and education on these subjects.

Pellagra is a little more in evidence, this disease having been found in 3 patients newly admitted from the community. Four cases of death were due to this cause.

There have been no cases of contagious disease among the patients, which is rather remarkable when we come to consider the large numbers admitted and that by far the greatest number come from the more congested centers of population. The sanitary condition of the institution is good. Pneumonia, heart disease and general paralysis have been the chief causes of death.

Our nurses' training school has lost its superintendent, Miss

MacKenzie, who resigned her position to marry and retire to private life. Her work here was appreciated and I wish to express my regret at her retirement from the service. The vacancy was filled by the promotion of the assistant superintendent of nurses, who enters upon her larger field of work with a good equipment and every promise of success. The year has been an active one in our training course. The members of the school have been diligent and efficient and I wish to commend their good and capable work. The affiliation with the New York hospitals has added to the interest in the nursing course and has done much to encourage our nurses and to retain them in the service.

Considerable difficulty has been experienced in securing and retaining in the hospital service not only nurses and attendants but all classes of persons employed at the institution. The prevailing wage of the community has been so much at variance with the compensation offered for hospital service that I wonder that it has been possible to find persons in numbers sufficient to conduct the affairs of the institution.

The therapeutic industrial work has been continued. Large numbers of patients have been interested in employing themselves and thus directing their minds to a contemplation of more normal thoughts and activities. Our products have been placed in several exhibitions in different parts of the country, where they have attracted favorable notice from the community. Our pottery work, done wholly by patients, has reached quite a high state of proficiency, many of the articles produced being justly entitled to consideration as works of art of no mean value. The conception under which this therapeutic work is undertaken rather precludes the turning out of large quantities of manufactured articles, as a great part of the effort is absorbed in the attempt to interest the apathetic and demented, — particularly the re-education of the dementia præcox cases. It is my idea that the success of this work should be judged by the amount of good which has been done for the patients, rather than by the number of bales of finished goods turned out. It is left for the regular manufacturing departments of the institution to turn out the routine products.

The transfers to the Gardner State Colony absorb to some

extent the quiet and tractable cases from which we might hope to recruit the ranks in our regular manufacturing departments, and thus assist to curtail the output. Despite this fact, however, the regular industries of the matron's department contribute in no small measure to lessen the expense of maintenance.

I wish to commend the work of the medical staff, the members of which, although a large part of the time working short-handed, have given a painstaking care and attention to the needs of our patients that has done much in many instances for those under treatment. Special attention has been given to the treatment of syphilis of the nervous system. A series of 15 cases has been treated with injections of salvarsan. In many instances the improvement has been marked. Five of these cases have normal reactions and have been able to leave the hospital on visit or have returned to regular employment. The type of disease which these cases have represented has formerly been considered of the most hopeless character, and it is a cause of congratulation that some hope can now be given to those suffering from this affliction. Through the activities of the staff permission for autopsy has been obtained in a larger number of cases than ever before, and the staff members have shown a lively interest in the scientific study of their cases. A large amount of work has been done in the laboratory in the examination of clinical specimens and in the study of diseased conditions. The report of the pathologist is appended, which gives a more detailed description of the laboratory activities.

In addition to the regular work of the institution the medical staff has visited and examined the boarded-out patients and conducted regular clinics for out-patients at the hospital, at City Hall and at Spencer.

I regret that it has not been possible to accord to the members of the staff such increase in compensation as would bring their salaries more nearly to a parity with what is paid in other States. Several members of my staff resigned during the year to accept more lucrative positions elsewhere. It is in some measure a satisfaction to feel that the institution has in its employ physicians of such character and capacity that they are sought for by other hospitals, but it would certainly be an

added satisfaction to be able to offer such substantial recognition here as to keep men of capacity and experience longer in the service.

There is no more arduous or difficult task in the service of the Commonwealth than that which is entailed in the proper care and treatment of the insane. In all branches of the service it is difficult to obtain and still more difficult to retain capable and efficient persons at the compensation which the institution management is able to offer. I trust that the appropriations of the coming year will be sufficiently liberal to bring the compensation of our employees generally to such an amount as will in some measure keep pace with the generally increased cost of living.

The farming operations have again proved profitable, both in a financial way and in providing suitable healthy out-of-door occupation for the more robust of our male inmates. For a considerable time following the loss of our herd from the foot-and-mouth disease it was found necessary to buy a large part of our milk supply. During the summer we have been able to make good the numbers of our cattle, though it has been necessary to buy grade stock largely. Very good animals have been secured, however, and now practically all of the milk used here is produced on the place, a fact which is a cause for self-congratulation in these times of high and advancing milk prices.

Last year the Legislature granted an appropriation for the erection of a dormitory building at the Hillside farm. This building is now in process of construction, and will probably be available for use some time next spring. The erection of this building will necessitate the provision of a water supply which will not only furnish water for domestic use but also prove adequate for fire protection. The number of people at the Hillside farm has been so small in the past that quite primitive methods of sewage disposal have sufficed. Now, however, with the proposed large addition to the population there some method of sewage purification must be provided which will be adequate to the new requirements. Again, when this new building is occupied, more employees will be required there than provision has been made for. Plans for the housing of the additional persons should be made at as early a date as possible. The com-

pletion of the building now under construction will enable us to undertake farming operations at Hillside on a larger scale than has hitherto been attempted there.

In considering the special needs of the institution for the coming year, in addition to the work pointed out at Hillside, I wish to reiterate all of the requests embodied in the last annual report which were not granted. I will also call your attention to the large amount of plumbing which should be renewed in certain of our wards. This work is too extensive to be undertaken from maintenance, and in my opinion should be provided for by special appropriation.

The connection of the hospital sewers with the system of the city of Worcester, which for so many years has annually figured in our hospital reports, although authorized by the last Legislature, failed of accomplishment because the money appropriated was insufficient for the work. I trust that the next Legislature will re-enact the bill, correcting the financial insufficiency.

The institution has owned a lot in Hope Cemetery where are interred all bodies of patients dying here who must have State burial. This lot is now filled and it will be necessary to at once provide additional burial space. I trust that the purchase of a new lot at the cemetery will be authorized at as early a date as possible.

Regular religious services have been held in the chapel.

The usual weekly dances, movies and miscellaneous chapel entertainments have served to amuse the patients. Another phonograph and a new piano have been purchased for use in the wards.

The publishers of the "Fitchburg Sentinel" and the "Worcester Evening Gazette" have continued to contribute copies of their papers, and the Worcester Employment Society has given assistance in sewing.

I wish to thank your Board for the kindly support and consideration which has always so freely been given to me, and to express my appreciation of the faithful service of officers and employees.

E. V. SCRIBNER,
Superintendent.

LABORATORY REPORT.

To the Superintendent of the Worcester State Hospital.

The report of the laboratory for the year Oct. 1, 1915, to Sept. 30, 1916, is herewith respectfully submitted.

The following routine work has been completed:—

Urinalyses,	1,141
Cerebrospinal fluid examinations,	185
Post mortem cultures,	496
Smears from post-mortem cultures,	172
Sputum examinations,	88
Throat cultures,	15
Smears from throat,	2
Pleural exudate,	1
Blood examinations,	45
Stomach contents,	11
Fecal examinations,	13
Vaginal smears,	22
Cervical smears,	5
Abscess cultures,	2
Abscess smears,	8
Ear smears,	2
Eye smears,	1
Animal inoculation,	1
Total,	2,210

Between the dates above noted, 85 autopsies were performed, representing 36.8 per cent. of the deaths during this period.

The psychiatric diagnoses in the cases were as follows:—

Senile dementia,	26
Senile paranoid condition,	1
Organic dementia,	16
General paralysis,	12
Cerebrospinal syphilis,	1
Brain tumor,	1
Alcoholic deterioration with senile changes,	1

Acute alcoholic hallucinosis,	1
Alcoholic paranoid condition,	1
Imbecility,	1
Idiocy,	1
Toxic psychosis,	1
Traumatic delirium,	1
Dementia præcox,	15
Manic-depressive insanity,	5
General paralysis (?), dementia præcox (?),	1
	<hr/>
Total,	85

The major anatomical diagnoses were:—

Tuberculosis,	3
Tubercular pneumonia,	3
Acute bronchitis,	7
Bronchopneumonia,	15
Lobar pneumonia,	10
Pulmonary œdema,	3
Pulmonary gangrene,	1
Hematothorax,	1
Myocarditis (syphilitic),	1
Myocardial degeneration,	1
Chronic myocarditis,	1
Coronary sclerosis,	2
Arteriosclerosis,	5
Pulmonary thrombosis,	1
Pyelonephrosis,	1
Acute hemorrhagic pancreatitis,	1
Acute enteritis,	1
Colitis,	3
Acute peritonitis,	3
General paralysis,	3
Tabo-paresis,	1
Organic brain disease,	2
Cerebral hemorrhage,	2
Meningitis (pellagra),	1
Fractured skull,	1
Pellagra,	4
Erysipelas,	1
Septicæmia,	1
Carcinoma,	3
Katatonic exhaustion,	1
Asphyxiation,	2
	<hr/>
Total,	85

In addition to the routine work of the laboratory, two other phases should be mentioned. The first is systematization of material, and the second is the publication of results.

Under the first may be noted the following:—

A card index of the clinical symptoms in about 500 autopsied cases has been completed. Various pathological specimens have been mounted. The microscopic slides since the beginning of the laboratory have been systematized so that comparative studies will be possible in the future. The brains of the past years have been stored in crocks for easy access.

Under the second may be grouped the following:—

A study of the staining reactions possible on frozen sections is near completion. A method has been devised for making serial micro-photographs. A freezing microtome disc for total brain section and other large sections of tissue was invented. A photographic record of the external appearance of the brains from the autopsies of 1915 has been completed. Nurses working in the laboratory during spare time have prepared brains for photographing, and have completed figures and percentage comparison of the weights of the organs in 35 autopsies. The routine bacteriological diagnosis was instituted and carried out on about 65 cases. This work had to be discontinued, as it required the entire time of one person. A translation of Kraepelin's "Paranoid Conditions" was published. A case of brain tumor was presented, and proof has been corrected for publication. A case of general paresis was presented at a meeting on neurosyphilis. Two papers on the relation of tuberculosis to dementia præcox are in the hands of the publishers. The abstracts of several other contributions, based on the work of the past year have been written.

Two autopsies were performed and one body viewed, as prosector to the Massachusetts Commission on Mental Diseases.

Presentations at the literary meetings of the staff and lectures to nurses completed the work of the year.

Attendance at autopsies by the physicians and student nurses and by physicians from outside the hospital demonstrates an active interest in the work of the laboratory, and is greatly appreciated by the laboratory staff.

H. I. GOSLINE, M.D.,
Pathologist.

VALUATION.

Travel, transportation and office expenses,	\$684 00
Food,	5,065 00
Clothing,	10,977 00
Furnishings,	79,949 00
Heat, light and power,	8,704 00
Repairs and improvements	3,623 00
Farm, stable and grounds,	57,211 00
Medical and general care,	15,711 00
Total,	<u>\$181,924 00</u>

TREASURER'S REPORT.

To the Trustees of the Worcester State Hospital.

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1916:—

CASH ACCOUNT.		
Balance Dec. 1, 1915,	\$11,258 21	
<i>Receipts.</i>		
<i>Institution Receipts.</i>		
Board of inmates:—		
Private,	\$32,686 89	
Reimbursements, insane,	16,959 73	
	\$49,646 62	
Sales:—		
Food,	\$288 75	
Clothing and materials,	429 56	
Furnishings and household supplies,	148 95	
Medical and general care,	10 50	
Farm and stable:—		
Cows and calves,	\$220 00	
Hides,	91 99	
Ice,	3 00	
Sundries,	46 82	
	361 81	
Repairs, ordinary,	20 74	
	1,260 31	
Miscellaneous receipts:—		
Interest on bank balances,	\$534 86	
Sundries,	68 76	
	603 62	
Sales, account of industries fund,	51,510 55	
	216 40	
<i>Receipts from Treasury of Commonwealth.</i>		
Maintenance appropriations:—		
Balance of 1915,	\$10,496 74	
Advance money (amount on hand November 30),	25,000 00	
Approved schedules of 1916,	\$340,466 58	
Less returned,	48 00	
	340,418 58	
Special appropriations,	375,915 32	
Industries fund,	43 28	
	197 09	
Total,	\$439,140 85	

Payments.

To treasury of Commonwealth:—			
Institution receipts,	.	.	\$51,510 55
Industries fund,	.	.	216 40
Maintenance appropriations:—			
Balance November schedule, 1915,	.	.	\$21,754 95
Eleven months' schedules, 1916,	.	.	340,418 58
November advances,	.	.	12,559 33
			<hr/>
			374,732 86
Special appropriations:—			
Approved schedules,	.	.	43 28
Industries fund:—			
Approved schedules,	.	.	197 09
Balance Nov. 30, 1916:—			
In bank,	.	.	\$11,621 14
In office,	.	.	819 53
			<hr/>
			12,440 67
Total,	.	.	\$439,140 85

MAINTENANCE.

Appropriation, current year,	.	.	\$378,462 00
Expenses (as analyzed below),	.	.	373,835 67
			<hr/>
Balance reverting to Treasury of Commonwealth,	.	.	\$4,626 33

Analysis of Expenses.

Salaries, wages:—			
E. V. Scribner, superintendent,	.	.	\$3,000 00
General administration,	.	.	37,690 24
Medical service,	.	.	14,649 16
Ward service (male),	.	.	29,579 09
Ward service (female),	.	.	29,314 85
Repairs,	.	.	20,446 05
Farm and stable,	.	.	11,842 29
Grounds,	.	.	1,775 48
			<hr/>
			\$148,297 16
Religious instruction:—			
Catholic,	.	.	\$600 00
Jewish,	.	.	260 00
Protestant,	.	.	195 00
			<hr/>
			1,055 00
Travel, transportation and office expenses:—			
Advertising,	.	.	\$139 89
Automobiles,	.	.	2,180 00
Automobile repairs and supplies,	.	.	1,241 80
Postage,	.	.	661 90
Printing and binding,	.	.	589 52
Printing annual report,	.	.	263 52
Stationery and office supplies,	.	.	982 01
Telephone and telegraph,	.	.	863 13
Travel,	.	.	1,383 47
Freight,	.	.	53 64
			<hr/>
			8,358 88
Amount carried forward,	.	.	\$157,711 04

<i>Amount brought forward,</i>		\$157,711 04
Food:—		
Butter,		\$5,157 95
Butterine,		5,846 43
Beans,		1,518 64
Bread, crackers, etc.,		205 45
Canned soups,		15 95
Cereals, rice, meal, etc.,		2,634 79
Cheese,		676 27
Eggs,		6,609 08
Flour,		12,122 18
Fish (fresh, cured and canned),		3,027 53
Fruit (fresh),		1,410 05
Fruit (dried and preserved),		1,204 66
Lard and substitutes,		2,363 69
Macaroni and spaghetti,		575 36
Meats,		22,213 13
Milk (fresh and substitutes),		12,064 33
Molasses and syrups,		521 85
Peanut butter, pie filling, etc.,		25
Potatoes,		8,563 67
Seasonings and condiments,		582 57
Sugar,		8,686 44
Tea, coffee, cocoa, etc.,		2,008 37
Vegetables (fresh),		762 91
Vegetables (canned and dried),		632 03
Yeast, baking powder, etc.,		184 14
Freight,		404 87
		<hr/>
		99,992 59
Clothing and materials:—		
Boots, shoes and rubbers,		\$1,425 38
Clothing (outer),		2,024 76
Clothing (under),		625 42
Dry goods for clothing,		1,656 26
Hats and caps,		12 00
Leather and shoe findings,		87 19
Socks and small wares,		514 55
Freight,		48 70
		<hr/>
		6,394 26
Furnishings and household supplies:—		
Beds, bedding, etc.,		\$8,556 18
Carpets, rugs, etc.,		1,681 89
Crockery, glassware, cutlery, etc.,		1,586 11
Dry goods and smallwares,		440 27
Fire hose and extinguishers,		34 00
Furniture, upholstery, etc.,		1,657 12
Kitchen and household wares,		2,661 93
Laundry supplies and materials,		2,300 31
Lavatory supplies and disinfectants,		964 05
Machinery for manufacturing,		141 66
Table linen, paper napkins, towels, etc.,		2,402 37
Freight,		91 55
		<hr/>
		22,517 44
<i>Amount carried forward,</i>		\$286,615 33

<i>Amount brought forward,</i>		\$286,615 33
Medical and general care:—		
Books, periodicals, etc.,	\$458 08	
Entertainments, games, etc.,	604 20	
Funeral expenses,	581 00	
Gratuities,	52 65	
Ice and refrigeration,	280 45	
Laboratory supplies and apparatus,	704 59	
Manual training supplies,	575 22	
Medicines (supplies and apparatus),	3,050 78	
Medical attendance (extra),	910 00	
Patients boarded out,	6,052 05	
Return of runaways,	155 93	
Sputum cups, etc.,	19 00	
Tobacco, pipes, matches,	1,354 00	
Water,	6,513 31	
Freight,	83 78	
	<hr/>	21,395 04
Heat, light and power:—		
Coal,	\$32,014 47	
Electricity,	287 04	
Gas,	611 47	
Oil,	217 56	
Operating supplies for boilers and engines,	335 45	
Freight,	6 76	
	<hr/>	33,472 75
Farm and stable:—		
Bedding materials,	\$122 86	
Blacksmithing and supplies,	532 84	
Carriages, wagons and repairs,	707 56	
Dairy equipment and supplies,	92 14	
Fencing materials,	82 73	
Fertilizers,	409 47	
Grain, etc.,	6,559 51	
Harnesses and repairs,	313 06	
Horses,	600 00	
Cows,	6,705 00	
Other live stock,	317 38	
Labor (not on pay roll),	138 80	
Spraying materials,	77 86	
Stable and barn supplies,	233 23	
Tools, implements, machines, etc.,	548 95	
Trees, vines, seeds, etc.,	201 65	
Veterinary services, supplies, etc.,	507 23	
Freight,	60 03	
	<hr/>	18,210 30
Grounds:—		
Fertilizers,	\$42 93	
Road work and materials,	192 31	
Tools, implements, machines, etc.,	91 65	
Trees, vines, shrubs, seeds, etc.,	121 36	
Freight,	2 74	
	<hr/>	450 99
<i>Amount carried forward,</i>		\$360,144 41

<i>Amount brought forward,</i>		\$360,144 41
Repairs, ordinary:—		
Brick,	\$177 75	
Cement, lime, crushed stone, etc.,	342 32	
Electrical work and supplies,	891 69	
Hardware, iron, steel, etc.,	1,483 47	
Labor (not on pay roll),	158 96	
Lumber, etc. (including finished products),	2,766 57	
Paint, oil, glass, etc.,	3,885 32	
Plumbing and supplies,	1,279 95	
Roofing and materials,	940 85	
Steam fittings and supplies,	870 93	
Tools, machines, etc.,	274 31	
Boilers, repairs,	498 15	
Engines, repairs,	85 45	
Freight,	35 54	
		<u>13,691 26</u>
Total expenses for maintenance,		\$373,835 67

SPECIAL APPROPRIATIONS.

Balance Dec. 1, 1915,	\$4,000 00
Expended during the year (see statement annexed),	43 28
	<u>Balance Nov. 30, 1916,</u>
	\$3,956 72

RESOURCES AND LIABILITIES.

Resources.

Cash on hand,	\$12,440 67
November cash vouchers (paid from advance money), account of maintenance,	12,559 33
Due from treasury of Commonwealth from available appropriation account, November, 1916, schedule,	8,417 09
	<u>\$33,417 09</u>

Liabilities.

Schedule of November bills,	\$33,417 09
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PER CAPITA.

During the year the average number of inmates has been 1,507.68.
 Total cost for maintenance, \$373,835.67.
 Equal to a weekly per capita cost of \$4.7683.
 Receipt from sales, \$1,260.31.
 Equal to a weekly per capita of \$0.016.
 All other institution receipts, \$50,250.24.
 Equal to a weekly per capita of \$0.6409.

INDUSTRIES FUND.

Balance Dec. 1, 1915,	\$23 81
Receipts credited,	216 40
	<u>\$240 21</u>
Expenditures, approved schedules (see statement annexed),	\$197 09
Balance Nov. 30, 1916,	43 12
	<u>\$240 21</u>

INDUSTRIES.

Expenditures.

Tools and machinery:—

Needles and hooks,	\$2 78
------------------------------	--------

Materials:—

Dry goods,	\$13 46
Glazings,	5 02
Glass,	85
Labor,	33 90
Lessons in basketry,	4 00
Linen,	46 60
Paints,	4 62
Patterns,	3 36
Silk,	2 35
Tape,	11 79
Thread and cotton,	62 25
Twine,	6 11

 194 31

 \$197 09

Special Appropriations.

OBJECT.	Act or Resolve.	Whole Amount.	Expended during Fiscal Year.	Expended to Date.	Balance at End of Year.
Sewerage system,	Acts 1916, chap. 363	\$4,000 00	\$43 28	\$43 28	\$3,956 72
		\$4,000 00	\$43 28	\$43 28	\$3,956 72

Respectfully submitted,

E. V. SCRIBNER,

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, 1915,	\$4,628 80	
Receipts,	3,964 10	
Interest,	152 07	
		<u>\$8,744 97</u>
Interest paid to State Treasurer,	\$82 06	
Refunded,	2,778 27	
		<u>2,860 33</u>
		<u>\$5,884 64</u>

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 National Bank,	1,663 99	
Cash on hand Dec. 1, 1916,	220 65	
		<u>\$5,884 64</u>

LEWIS FUND.

Balance on hand Nov. 30, 1915,	\$1,519 63	
Income,	57 90	
		<u>\$1,577 53</u>
Expended for books, etc.,		8 00
		<u>\$1,569 53</u>

Investment.

American Telephone and Telegraph Company collateral trust 4 per cent bond, 1929,	\$926 36	
Worcester County Institution for Savings,	349 44	
Balance Worcester National Bank,	293 73	
		<u>\$1,569 53</u>

WHEELER FUND.

Balance on hand Nov. 30, 1915,	\$5,573 39	
Income,	246 90	
		<u>\$5,820 29</u>
Expended for books, etc.,		106 94
		<u>\$5,713 35</u>

Investment.

6 shares Worcester National Bank,	\$1,002 00	
American Telephone and Telegraph Company collateral trust 4 per cent bond, 1929,	712 50	
Worcester County Institution for Savings,	1,632 00	
Worcester Five Cents Savings Bank,	1,753 85	
Mechanics Savings Bank,	195 42	
Balance Worcester National Bank,	417 58	
	<hr/>	\$5,713 35

MANSON FUND.

Balance on hand Nov. 30, 1915,	\$1,411 72	
Income,	57 00	
	<hr/>	\$1,468 72
Expended for entertainments, etc.,	158 25	
	<hr/>	\$1,310 47

Investment.

Worcester County Institution for Savings,	\$1,310 47
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Respectfully submitted,

E. V. SCRIBNER,

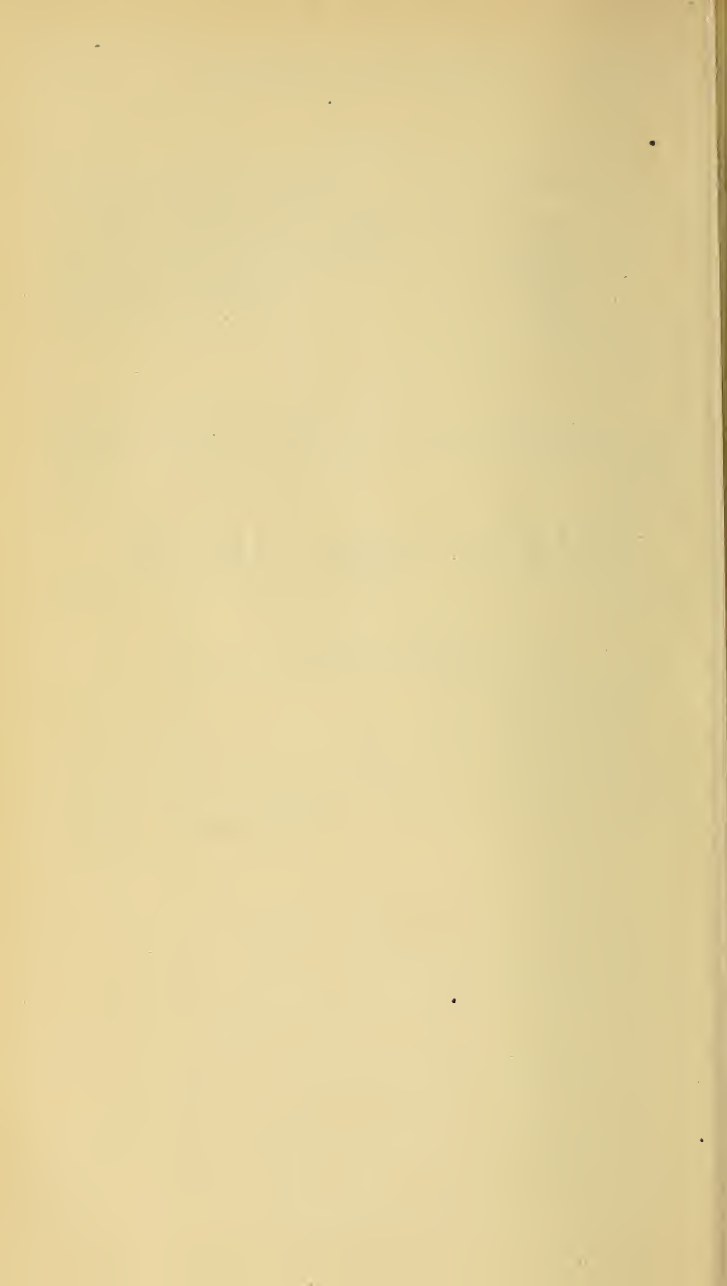
Treasurer of the Corporation.

Nov. 30, 1916.

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

STATISTICAL TABLES.

[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]



1. — General Statistics of the Year.

	INSANE.			VOLUNTARY SANE.			TEMPORARY CARE.			INEBRIATES.			AGGREGATES.		
	Males.	Fe- males.	Totals.	Males	Fe- males	Totals.	Males	Fe- males	Totals.	Males.	Fe- males.	Totals.	Males.	Fe- males.	Totals.
Patients under care Sept. 30, 1915,	710	743	1,453	1	1	1	4	1	5	715	744	1,459	715	744	1,459
In hospital,	708	698	1,406	1	1	1	4	1	5	713	699	1,412	713	699	1,412
In family care,	2	45	47	—	—	—	—	—	—	2	45	47	2	45	47
Viz.: regularly committed,	710	743	1,453	—	—	—	—	—	—	710	743	1,453	710	743	1,453
emergency,	1	7	8	1	1	1	4	1	5	2	7	9	2	7	9
voluntary,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
temporary care,	477	337	814	—	—	—	37	18	55	3	355	872	517	355	872
Admitted within the year,	391	270	661	—	—	—	—	—	—	3	270	664	394	270	664
Viz.: by regular commitment,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
emergency,	4	4	8	—	—	—	—	—	—	—	—	—	4	4	8
voluntary,	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
temporary care,	—	—	—	—	—	—	37	18	55	—	—	—	37	18	55
viz.: observation,	—	—	—	—	—	—	14	7	21	—	—	—	14	7	21
others,	—	—	—	—	—	—	23	11	34	—	—	—	23	11	34
by transfer,	3	7	10	—	—	—	—	—	—	—	—	—	—	—	—
from visit,	12	8	20	—	—	—	—	—	—	—	—	—	—	—	—
from escape,	5	—	5	—	—	—	—	—	—	—	—	—	—	—	—
Nominal admissions for discharge,	62	48	110	—	—	—	—	—	—	—	—	—	—	—	—
Viz.: from visit, ¹	53	48	101	—	—	—	—	—	—	—	—	—	—	—	—
from escape,	9	—	9	—	—	—	—	—	—	—	—	—	—	—	—
Whole number of cases within the year,	1,187	1,080	2,267	1	1	1	41	19	60	—	—	—	1,232	1,099	2,331
Dismissed within the year,	393	380	773	1	1	1	38	15	53	3	3	327	432	395	827
Viz.: discharged,	170	109	279	1	1	1	32	10	42	—	—	—	203	119	322
as recovered,	20	9	29	—	—	—	12	2	14	—	—	—	32	11	43
as capable of self-support,	50	35	85	—	—	—	5	1	6	—	—	—	55	36	91
as improved,	39	24	63	—	—	—	2	2	4	—	—	—	41	24	65
as not improved,	54	37	91	—	—	—	7	2	9	—	—	—	61	39	100
as not insane,	7	4	11	1	1	1	6	5	11	—	—	—	14	9	22
died,	109	116	225	—	—	—	3	3	6	—	—	—	112	119	231
transferred,	13	81	94	—	—	—	—	—	—	—	—	—	13	82	95
escaped,	17	4	21	—	—	—	—	1	1	—	—	—	17	4	21
on visit Oct. 1, 1916,	84	70	154	—	—	—	—	—	—	—	—	—	84	70	154
Nominal dismissals for commitment,	—	—	—	—	—	—	3	1	4	—	—	—	3	1	4

¹ Includes 1 female nominally admitted to be transferred.

1. — General Statistics of the Year — Concluded.

	INSANE.			VOLUNTARY SANE.			TEMPORARY CARE.			INEBRIATES.			AGGREGATES.		
	Males.	Fe- males.	Totals.	Males.	Fe- Males.	Totals.	Males.	Fe- males.	Totals.	Males.	Fe- males.	Totals.	Males.	Fe- males.	Totals.
Patients under care Sept. 30, 1916,	794	700	1,494	-	-	-	3	4	7	3	-	3	800	704	1,504
In hospital,	793	654	1,447	-	-	-	3	4	7	3	-	3	799	658	1,457
In family care,	1	46	47	-	-	-	-	-	-	-	-	-	1	46	47
<i>Viz.</i> : regularly committed,	793	695	1,488	-	-	-	-	-	-	-	-	3	796	695	1,491
emergency,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
voluntary,	1	5	6	-	-	-	-	-	-	-	-	-	1	5	6
temporary care,	-	-	-	-	-	-	3	4	7	3	-	-	3	4	7
supported as State patients,	723	568	1,291	-	-	-	3	4	7	3	-	3	729	572	1,301
as reimbursing patients,	30	63	93	-	-	-	-	-	-	-	-	-	30	63	93
as private patients,	41	69	110	-	-	-	-	-	-	-	-	-	41	69	110
Number of different persons within the year,	1,120	1,025	2,145	1	1	1	30	17	47	3	-	3	1,154	1,042	2,196
<i>Viz.</i> : State patients,	413	286	699	-	-	-	36	18	54	3	-	3	443	303	746
Number of different persons admitted from the community,	394	272	666	-	-	-	30	14	44	3	-	3	424	289	713
Number of different persons dismissed,	330	331	661	1	-	1	30	13	43	-	-	-	361	344	705
Number of different persons dismissed to the community,	318	250	568	1	-	1	30	12	42	-	-	-	349	262	611
Number of different persons recovered,	20	9	29	-	-	-	11	2	13	-	-	-	31	11	42
Number of different persons capable of self-support,	49	35	84	-	-	-	5	1	6	-	-	-	54	36	90
Daily average number in the hospital,	776.04	673.50	1,449.54	-	-	-	3.89	1.72	5.61	.17	-	.17	780.10	675.22	1,455.32
Daily average number in family care,	1.35	48.20	49.55	-	-	-	-	-	-	-	-	-	1.35	48.20	49.55
Daily average number under care,	777.39	721.70	1,499.09	-	-	-	3.89	1.72	5.61	.17	-	.17	781.45	723.42	1,504.87
<i>Viz.</i> : State patients,	701.36	588.97	1,290.33	-	-	-	3.89	1.72	5.61	.17	-	.17	705.42	590.69	1,296.11
reimbursing patients,	33.22	64.83	98.05	-	-	-	-	-	-	-	-	-	33.22	64.83	98.05
private patients,	42.81	67.90	110.71	-	-	-	-	-	-	-	-	-	42.81	67.90	110.71
Whole number of voluntary admissions,	-	-	-	-	-	-	-	-	-	-	-	-	5	4	9
Daily average number of voluntary patients,	-	-	-	-	-	-	-	-	-	-	-	-	1.82	4.88	6.70
Whole number of temporary-care admissions,	-	-	-	-	-	-	-	-	-	-	-	-	101	42	143
Daily average number of temporary-care patients,	-	-	-	-	-	-	-	-	-	-	-	-	3.89	1.72	5.61

2. — *Family-Care Department.*

	Males.	Females.	Totals.
Remaining Sept. 30, 1915,	2	45	47
Admitted within the year,	1	33	34
Whole number of cases within the year,	3	78	81
Dismissed within the year,	2	32	34
Viz.: returned to institution,	2	27	29
discharged,	—	2	2
died,	—	—	—
visit,	—	1	1
escaped,	—	2	2
Remaining Sept. 30, 1916,	1	46	47
Supported by the State,	—	37	37
Private,	—	5	5
Self-supporting,	1	4	5
Number of different persons within the year,	2	73	75
Number of different persons admitted,	1	31	32
Number of different persons dismissed,	2	28	30
Daily average number,	1 35	48.20	49.55
State,	91	39.58	40.49
Private,	—	3.92	3.92
Self-supporting,	44	4.70	5.14

3. — *Insane received on First and Subsequent Commitment.*

NUMBER OF THE COMMITMENT.	CASES COMMITTED.		
	Males.	Females.	Totals.
First to this hospital,	364	238	602
Second to this hospital,	25	23	48
Third to this hospital,	4	8	12
Fourth to this hospital,	1	2	3
Fifth to this hospital,	1	1	2
Eleventh to this hospital,	—	1	1
Fifteenth to this hospital,	—	1	1
Total cases,	395	274	669
Total persons,	394	272	666
Never before in any hospital for the insane,	327	203	530

4. — *Nativity and Parentage of Insane Persons first admitted to Any Hospital.*

PLACES OF NATIVITY.	MALES.			FEMALES.			TOTALS.		
	Patient.	Father.	Mother.	Patient.	Father.	Mother.	Patient.	Father.	Mother.
Massachusetts,	116	34	40	61	19	20	177	53	60
Other New England States,	25	22	22	15	13	11	40	35	33
Other States,	19	10	14	13	7	7	32	17	21
Total native,	160	66	76	89	39	38	249	105	114
Other countries: —									
Armenia,	2	2	2	—	—	—	2	2	2
At sea,	—	—	—	1	—	—	1	—	—
Austria,	1	1	1	4	4	4	5	5	5
Barbadoes,	—	—	—	2	2	2	2	2	2
Canada,	27	45	41	19	22	23	46	67	64
Cape Verde Islands,	2	2	2	—	—	—	2	2	2
China,	3	3	3	—	—	—	3	3	3
England,	13	16	14	9	13	13	22	29	27
Finland,	8	8	8	3	3	3	11	11	11
Germany,	4	6	7	5	9	7	9	15	14
Greece,	4	4	5	2	2	2	6	6	7
Holland,	—	—	—	—	—	1	—	—	1
Italy,	12	12	12	4	4	4	16	16	16
Ireland,	32	64	64	37	57	57	69	121	121
Japan,	1	1	1	—	—	—	1	1	1
Lithuania,	—	—	—	1	1	1	1	1	1
Madeira Islands,	2	2	2	—	—	—	2	2	2
Malta,	1	1	1	—	—	—	1	1	1
Mexico,	1	1	1	—	—	—	1	1	1
Newfoundland,	1	1	1	—	—	—	1	1	1
New Brunswick,	1	1	2	2	2	2	3	3	4
Norway,	2	3	3	—	1	1	2	4	4
Nova Scotia,	4	6	4	4	5	6	8	11	10
Poland,	5	6	6	2	2	2	7	8	8
Portugal,	—	1	1	—	—	—	—	1	1
Prince Edward Island,	2	3	2	2	2	2	4	5	4
Roumania,	1	—	—	—	—	—	1	—	—
Russia,	22	24	24	8	9	9	30	33	33
Sicily,	—	—	—	1	1	1	1	1	1
Scotland,	3	6	3	1	2	1	4	8	4
Sweden,	8	12	12	4	5	5	12	17	17
Switzerland,	1	1	1	1	1	1	2	2	2
Turkey,	3	3	2	—	—	—	3	3	2
Wales,	—	—	—	—	1	—	—	1	—
West Indies,	—	—	—	1	2	2	1	2	2
Total foreign,	166	235	225	113	150	149	279	385	374
Unknown,	1	26	26	1	14	16	2	40	42
Totals,	327	327	327	203	203	203	530	530	530

5. — Residence of Insane Persons admitted from the Community.

PLACES.	FIRST ADMITTED TO ANY HOSPITAL.			OTHER ADMISSIONS.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Massachusetts (by counties): —									
Middlesex,	80	70	150	23	22	45	103	92	195
Norfolk,	5	6	11	—	—	—	5	6	11
Suffolk,	71	40	111	17	18	35	88	58	146
Worcester,	171	87	258	27	29	56	198	116	314
Totals,	327	203	530	67	69	136	394	272	666
Cities or large towns (10,000 or over),	277	179	456	55	55	110	332	234	566
County districts (under 10,000), . .	50	24	74	12	14	26	62	38	100

6. — Civil Condition of Insane Persons first admitted to Any Hospital.

	Males.	Females.	Totals.
Unmarried,	151	76	227
Married,	124	84	208
Widowed,	39	40	79
Divorced,	6	2	8
Totals,	320	202	522
Unknown,	7	1	8
Totals,	327	203	530

7. — Occupation of Insane Persons first admitted to Any Hospital.

FEMALES.			
Actress,	1	Operatives,	22
Bookbinder,	1	Seamstress,	1
Clairvoyant,	1	Stenographers,	2
Clerks,	2	Students,	2
Cook,	1	Tailoress,	1
Domestics,	36	Teachers,	2
Dressmakers,	4	Waitresses,	3
Housekeepers,	9	No occupation,	45
Housewives,	67	Total,	202
Laundress,	1	Unknown,	1
Nurse.	1	Total,	203

MALES.			
Accountant,	1	Chemist,	1
Actor,	1	Cigar maker,	1
Agents,	2	Clergyman,	1
Artists,	2	Clerks,	10
Bakers,	3	Cobbler,	1
Barbers,	4	Contractor,	1
Bartender,	1	Coopers,	2
Blacksmiths,	2	Coremaker,	1
Bookbinder,	1	Designer,	1
Bookkeeper,	1	Druggists,	2
Brakemen,	2	Elevator man,	1
Carpenters,	16	Farmers,	9

7. — *Occupation of Insane Persons first admitted to Any Hospital — Concluded.*

MALES — *Concluded.*

Firemen,	2	Picture framer,	1
Foreman,	1	Plumber,	1
Gardener,	1	Porter,	1
Gun maker,	1	Printer,	1
Hostlers,	3	Railroad yard master,	1
Inventor,	1	Real estate dealer,	1
Janitor,	1	Registrar,	1
Laborers,	83	Seamen,	3
Lather,	1	Slater,	1
Laundryman,	1	Stationary engineers,	6
Letter carrier,	1	Stone mason,	1
Locomotive engineers,	3	Student,	1
Machinists,	13	Tailor,	1
Manufacturer,	1	Teachers,	2
Mechanics,	2	Teamsters,	6
Merchant,	1	Tinsmiths,	2
Messenger,	1	Traveling salesman,	1
Moulders,	4	Upholsterer,	1
Musician,	1	Waiters,	4
Operatives,	48	Watchmen,	2
Painters,	7	No occupation,	30
Peddlers,	2	Total,	317
Physician,	1	Unknown,	10
Piano action maker,	1	Total,	327
Piano tuner,	1		

8. — *Ages of Insane at First Attack, Admission and Death.*

AGES.	FIRST ADMITTED TO ANY HOSPITAL.						DIED.					
	AT FIRST ATTACK.			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	10	15	25	—	—	—	1	2	3	—	—	—
15 years and less,	1	1	2	2	2	3	—	—	—	—	—	—
From 15 to 20 years,	15	11	26	12	8	20	—	—	—	—	—	—
20 to 25 years,	28	8	36	34	11	45	1	5	6	—	—	1
25 to 30 years,	34	26	60	35	27	62	6	3	9	5	2	7
30 to 35 years,	35	10	45	31	20	51	8	10	18	3	5	8
35 to 40 years,	27	18	45	38	23	61	9	14	23	13	10	23
40 to 50 years,	47	22	69	56	27	83	23	14	37	22	13	35
50 to 60 years,	35	18	53	46	25	71	17	11	28	16	8	24
60 to 70 years,	29	18	47	38	25	63	19	19	38	26	24	50
70 to 80 years,	16	11	27	20	19	39	18	28	46	17	34	51
Over 80 years,	4	3	7	6	12	18	4	7	11	5	19	24
Totals,	281	161	442	317	199	516	106	113	219	107	116	223
Unknown,	40	38	78	4	2	6	3	3	6	2	—	2
Not insane,	6	4	10	6	2	8	—	—	—	—	—	—
Totals,	327	203	530	327	203	530	109	116	225	109	116	225
Mean known ages (in years),	41.65	42.43	42.04	43.10	46.02	44.56	52.69	53.66	53.17	56.14	61.25	58.79

9. — Probable Causes of Mental Disease in Persons first admitted to Any Hospital — Concluded.

EXCITING CAUSES.	ADMITTED.			PREDISPOSING CAUSES.						
	Males.	Females.	Totals.	HEREDITARY TENDENCY.		NEUROTIC TENDENCY.		ALCOHOLIC TENDENCY.		
				Males.	Females.	Males.	Females.	Males.	Females.	Totals.
<i>Physical</i> — Con.										
Puerperium,	—	6	6	—	3	—	3	—	—	—
Senility,	18	5	23	—	—	—	1	4	—	4
Senility and arteriosclerosis,	16	38	54	—	2	5	3	1	1	2
Spinal meningitis,	—	1	1	—	—	—	—	—	—	—
Syphilis,	46	12	58	—	4	13	7	8	2	10
Trauma,	3	—	3	—	—	—	—	1	—	1
<i>Mental.</i>										
Change of environment,	—	1	1	—	—	—	—	—	—	—
Disappointed affections,	—	1	1	—	—	—	—	—	—	—
Grief,	1	—	1	—	—	—	—	—	—	—
Worry,	8	—	8	—	—	3	—	4	—	4
Worry and ill health,	1	—	1	—	—	—	—	—	—	—
Totals,	285	161	446	12	48	70	73	105	15	120
Unknown,	36	38	74	—	—	9	8	—	—	—
Not insane,	6	4	10	—	—	—	—	—	—	—
Totals,	327	203	530	12	48	79	81	105	15	120

10. — *Probable Duration of Mental Disease before Admission.*

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital,	10	15	25
Under 1 month,	67	21	88
From 1 to 3 months,	57	22	79
3 to 6 months,	30	15	45
6 to 12 months,	24	16	40
1 to 2 years,	27	26	53
2 to 5 years,	43	22	65
5 to 10 years,	12	17	29
10 to 20 years,	10	7	17
Over 20 years,	4	1	5
Totals,	284	162	446
Unknown,	37	37	74
Not insane,	6	4	10
Totals,	327	203	530
Average known duration (in years), .	3.04	4.11	3.57

11. — Form of Mental Disease in Patients admitted from the Community, discharged, with Condition on Discharge, or died — Concluded.

FORM OF DISEASE.	COMMITTED.			RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			NOT INANE.			DEATHS.			TOTAL DISCHARGES AND DEATHS.				
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.		
	B. — Other admissions — <i>Con.</i>																									
Paranoid condition,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	
Paraphrenia,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	
Psychopathic personality,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	
Senile dementia,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	
Senile dementia, arteriosclerotic type,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	
Toxic psychosis, chronic: —																										
Hallucinoses,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	
Traumatic psychosis,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	
Unclassified,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	
Totals,	68	71	139	2	5	7	11	14	25	12	9	21	13	10	23	—	—	—	12	12	24	50	50	100	100	
Aggregate cases,	305	274	669	20	9	29	50	35	85	39	24	63	54	37	91	7	4	11	109	116	225	279	225	504	504	
Aggregate persons,	304	272	666	20	9	29	50	35	85	39	24	63	54	37	91	7	4	11	109	116	225	279	225	504	504	

12. — Discharges of the Insane, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			CAPABLE OF SELF-SUPPORT.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First to this hospital, . . .	18	7	25	43	28	71	33	21	54	49	30	79	7	4	11	104	109	213	254	199	453
Second to this hospital, . . .	1	1	2	6	5	11	4	2	6	4	7	11	-	-	-	4	7	11	19	22	41
Third to this hospital, . . .	1	1	2	1	2	3	1	-	1	-	-	-	-	-	-	1	-	1	4	3	7
Sixth to this hospital, . . .	-	-	-	-	-	-	1	-	1	1	-	1	-	-	-	-	-	-	2	-	2
Fourteenth to this hospital, . . .	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Total cases, . . .	20	9	29	50	35	85	39	24	63	54	37	91	7	4	11	109	116	225	279	225	504
Total persons, . . .	20	9	29	50	35	85	39	24	63	54	37	91	7	4	11	109	116	225	279	225	504
First admitted to any hospital, . . .	18	4	22	39	21	60	27	15	42	41	27	68	7	4	11	97	104	201	229	175	404

14. — Duration of Mental Disease and its Treatment in Persons who recovered or died.

PERIOD.	FIRST ADMITTED TO ANY HOSPITAL.						ALL OTHER ADMISSIONS.								
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
A. — Recovered: —															
Under 1 month,	9	2	11	2	-	2	1	-	1	-	-	-	-	-	-
From 1 to 3 months,	7	1	8	11	1	12	4	1	5	-	-	-	1	-	1
3 to 6 months,	1	-	1	2	1	3	9	-	9	1	-	1	-	1	1
6 to 12 months,	-	-	-	2	2	4	1	2	3	-	1	1	-	1	1
1 to 2 years,	-	-	-	1	-	1	2	-	2	-	2	2	-	3	3
2 to 5 years,	-	-	-	-	-	-	-	-	-	1	2	3	1	-	1
5 to 10 years,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10 to 20 years,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Over 20 years,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Totals,	17	3	20	18	4	22	17	3	20	2	5	7	2	5	7
Unknown,	1	1	2	-	-	-	1	1	2	-	-	-	-	-	-
Totals,	18	4	22	18	4	22	18	4	22	2	5	7	2	5	7
Average of known cases (in months),	1.12	2.00	1.59	5.07	5.04	5.06	6.27	6.05	6.16	22.13	19.04	21.28	21.06	12.83	16.95

B. — Died: —

Under 1 month,	14	10	24	25	22	47	5	3	8	-	-	-	-	-	-	-	-	-	-
From 1 to 3 months,	11 ¹	12	23	10	7	17	3	3	6	1	-	1	1	1	1	1	1	1	1
3 to 6 months,	11	6	17	16	12	28	7	4	11	-	-	-	-	-	-	-	-	-	-
6 to 12 months,	12	3	15	13	11	24	9	3	12	-	-	1	1	1	1	1	1	1	1
1 to 2 years,	12	16	28	8	13	21	17	13	30	-	1	1	1	1	1	1	1	1	1
2 to 5 years,	14	18	32	13	23	36	21	22	43	1	2	3	3	1	4	4	5	5	5
5 to 10 years,	5	14	19	10	12	22	13	22	35	4	3	7	4	2	6	6	6	6	6
10 to 20 years,	5	7	12	2	3	5	9	12	21	4	1	5	3	4	7	7	7	7	7
Over 20 years,	2	5	7	-	1	1	2	0	11	2	5	7	2	1	3	3	3	3	3
Totals,	86	91	177	97	104	201	86	91	177	12	12	24	12	12	24	24	24	24	24
Unknown,	11	13	24	-	-	-	11	13	24	-	-	-	-	-	-	-	-	-	-
Totals,	97	104	201	97	104	201	97	104	201	12	12	24	12	12	24	24	24	24	24
Average of known cases (in months),	33.01	64.13	46.05	20.16	31.02	26.09	55.08	95.62	75.25	173.14	210.27	192.06	133.15	128.27	131.06	131.06	131.06	131.06	131.06

