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SEVENTY-SECOND ANNUAL REPORT

OF

THE TRUSTEES

OF THE

WORCESTER INSANE HOSPITAL,

AND

TWENTY-SEVENTH ANNUAL REPORT OF THE TRUSTEES

OF THE

WORCESTER INSANE ASYLUM AT WORCESTER,

FOR THE

YEAR ENDING SEPTEMBER 30, 1904.



BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,  
18 POST OFFICE SQUARE.

1905.



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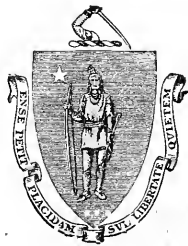
OF THE

WORCESTER INSANE ASYLUM AT WORCESTER,

FOR THE

YEAR ENDING SEPTEMBER 30, 1904.

*Mass: Worcester State Hospital*



*Bu*

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*Wash. Office.*

APPROVED BY  
THE STATE BOARD OF PUBLICATION.

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## OFFICERS OF THE HOSPITAL.

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### TRUSTEES.

FRANCES M. LINCOLN,	. . . . .	WORCESTER.
SAMUEL B. WOODWARD,	. . . . .	WORCESTER.
LYMAN A. ELY,	. . . . .	WORCESTER.
— — —,	. . . . .	WORCESTER.
ROCKWOOD HOAR,	. . . . .	WORCESTER.
THOMAS RUSSELL,	. . . . .	BOSTON.
SARAH E. WHITIN,	. . . . .	WHITINSVILLE.

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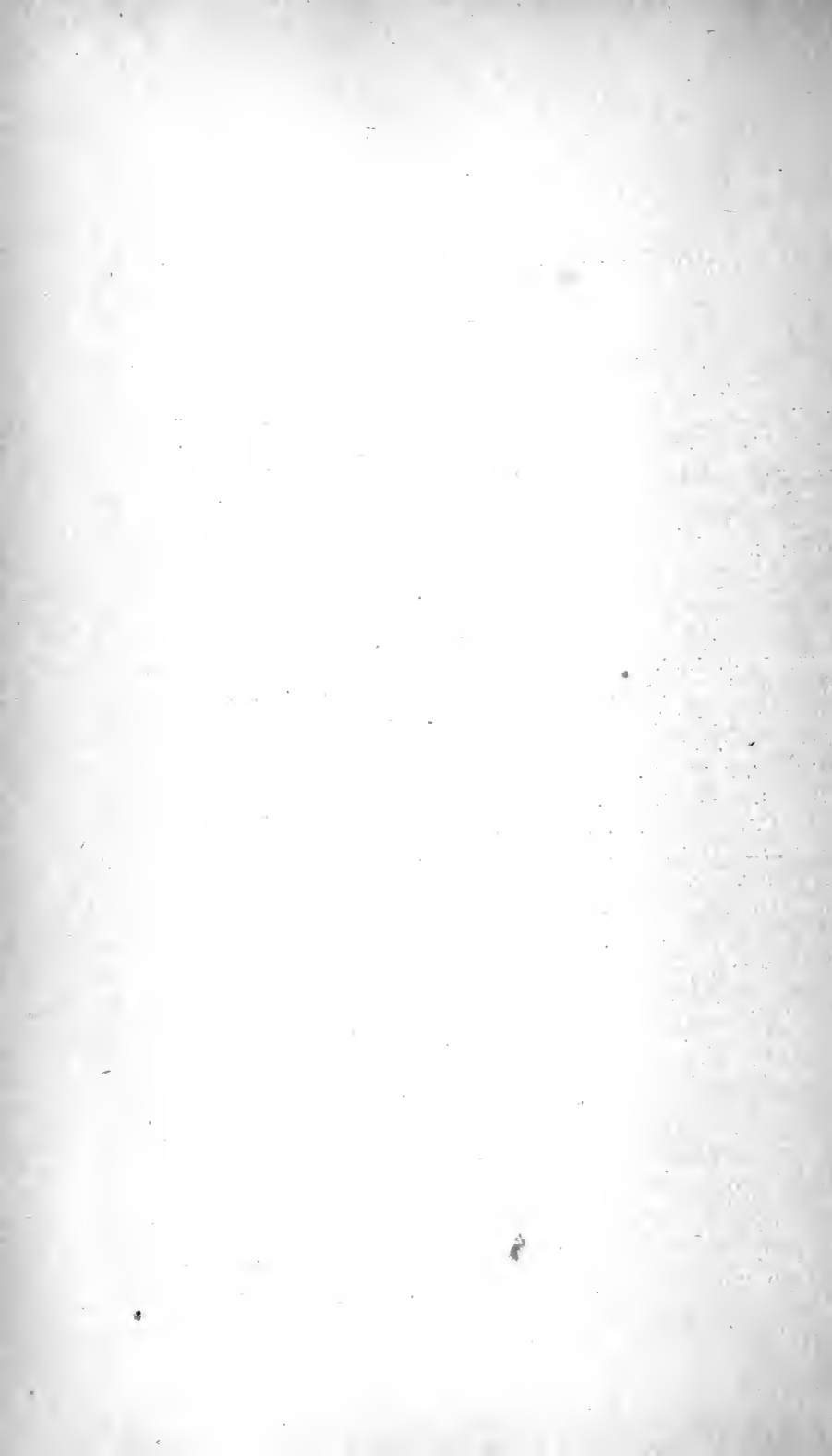
### RESIDENT OFFICERS.

HOSEA M. QUINBY, M.D.,	. . . . .	<i>Superintendent.</i>
ALFRED I. NOBLE, M.D.,	. . . . .	<i>Assistant Superintendent.</i>
ISADOR H. CORIAT, M.D.,	. . . . .	<i>Assistant Physician.</i>
CORNELIA B. J. SCHORER, M.D.,	. . . . .	<i>Assistant Physician.</i>
MELVIN J. ROWE, M.D.,	. . . . .	<i>Assistant Physician.</i>
JAMES H. TURNER, M.D.,	. . . . .	<i>Assistant Physician.</i>
THEODORE A. HOCH, M.D.,	. . . . .	<i>Assistant Physician and Pathologist.</i>
EDWARD MELLUS, M.D.,	. . . . .	<i>Junior Assistant.</i>
WALTER C. HAVILAND, M.D.,	. . . . .	<i>Junior Assistant.</i>
FREEMAN A. TOWER, M.D.,	. . . . .	<i>Junior Assistant.</i>
E. MOORE FISHER, M.D.,	. . . . .	<i>Junior Assistant.</i>
LINDA A. J. RICHARDS,	. . . . .	<i>Superintendent of Nurses.</i>
HENRY R. CENTER,	. . . . .	<i>Steward.</i>
LILA J. GORDON,	. . . . .	<i>Matron.</i>
JOSEPH T. REYNOLDS,	. . . . .	<i>Farmer.</i>

---

### NON-RESIDENT OFFICERS.

WILLIAM D. SPROAT,	. . . . .	<i>Druggist.</i>
ALBERT WOOD,	. . . . .	<i>Treasurer.</i>
GEORGE I. CLARK,	. . . . .	<i>Auditor.</i>
JESSIE M. D. HAMILTON,	. . . . .	<i>Clerk.</i>
JAMES DICKISON, JR.,	. . . . .	<i>Engineer.</i>



# Commonwealth of Massachusetts.

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## TRUSTEES' REPORT.

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*To His Excellency the Governor and the Honorable Council.*

The trustees of the Worcester Insane Hospital respectfully submit their seventy-second annual report, together with the reports of the superintendent and treasurer and the statistical tables, showing in detail the affairs of the institution.

For the past year the average number of patients has been 1,219, — an increase of 94 over the preceding year, and the largest number ever in the institution. This increase was rendered practicable by the completion of the nurses' home, which furnishes accommodation for 60 female nurses and leaves the rooms formerly occupied by them in the main building available for patients. The opening of the home and the establishment of the training school mark a new era in the history of the institution, and the trustees are confident that these changes will be of great benefit not only to the nurses for whose good they were primarily intended but to the patients under their charge.

All the work for which appropriations were made last year is well under way. The pathological building is nearly completed and will be a great addition to our equipment. The laundry is practically finished. The electric lighting plant, for which an appropriation was made two years ago, progresses more slowly, as it is exceedingly difficult to install such work while the building is occupied. All the machinery for it is in; the heating plant is finished; the work of wiring the rear centre and part of the wards is done.

The grounds are growing more and more attractive each year and are better cared for. Many young trees have been

set out and much interesting work has been done in raising trees and shrubs from seed. A large number of the quiet patients work about the grounds, and receive great benefit from this healthful occupation. Many of the changes have been carried out as much for the purpose of giving employment to the patients as for the improvement of the grounds.

The library now contains 4,297 volumes, — a gain of 159 volumes during the year. These books add much to the pleasure of patients and employees.

It is proposed to ask the Legislature this year for an appropriation of \$55,000 for building and furnishing a home for 80 male nurses. This is an imperative want, as the men are in great need of better accommodations and shorter hours of service. There has been some dissatisfaction among them and it is likely to continue until they are as well cared for as the women. The rooms in the hospital which are now occupied by the male attendants are needed for the increase in the number of patients. We also need a small sum for wire fencing in the rear of the grounds; for more coal pockets, the old ones being entirely inadequate for the supply of coal now used; for a new piggery, which should be located at the farm in Shrewsbury; for moving and remodelling the old piggery to adapt it for use as a storehouse for vegetables; for building a forcing house; for repairing the old farm-house for use of the farmer; for equipping and furnishing the new pathological building; for re-covering the steam pipes and for refurnishing some of the rooms in the administration building. The sum of \$19,000 is needed for these improvements, and we respectfully ask that we be allowed to use that amount from the surplus which we turn back to the Commonwealth.

The attention of the Board has been called to the sewage beds by the State Board of Health, and while we do not think that the lake is in any way polluted by the present disposal of the sewage we are consulting an expert, and are ready to make any change in the beds that may be recommended by him with the approval of the State Board of Health. An appropriation may be needed for this work.

The hospital has met with a serious loss within a short time. Dr. Thomas H. Gage served the Commonwealth faithfully for

twenty-seven years as a member of the Board of Trustees. He was appointed before the completion of these buildings. He kept himself in touch with every part of the work, always eager for progressive work yet studying the best interests of the institution, a sympathetic friend of the poor unfortunates treated here, a kind adviser of superintendent and officers and a wise and respected member of this Board. He endeared himself to all, and after he could no longer perform the more active duties of the position was always ready to give the most thoughtful advice, and was consulted on every difficult problem that came before the Board. His retirement was a great loss to his fellow-workers and to the hospital.

In the death of his successor, Mr. Philip W. Moen, the hospital has suffered a new misfortune. Young, energetic, of great executive ability and interested in everything connected with the institution, he proved himself admirably fitted for the position. The vacancy caused by his death has not yet been filled.

During the year Dr. Henry S. Chaffee resigned his position as assistant physician on account of ill health, and Dr. Charles T. Fisher left to go into private practice. Their places were filled by the promotion of Dr. Melvin J. Rowe and Dr. James H. Turner, junior assistants.

The trustees appreciate the faithful service of superintendent, officers and employees. It is owing to them that the hospital takes such high rank among the public institutions of this Commonwealth.

FRANCES M. LINCOLN,  
SAMUEL B. WOODWARD,  
LYMAN A. ELY,  
ROCKWOOD HOAR,  
THOMAS RUSSELL,  
SARAH E. WHITIN,

*Trustees.*

The Board of Trustees of the Worcester Insane Hospital, having also in charge the Worcester Insane Asylum, has lost a most valued and efficient member in the death of Philip W. Moen, Sept. 12, 1904. He was appointed trustee in March, 1903.

The affairs of each institution afford in their administration an opportunity for the exercise of widely differing abilities. Mr. Moen's training and previous experience enabled him to bring to the affairs of the hospital administrative and constructive abilities of a high order, a wide acquaintance and knowledge of men, a cultivated taste, the love of plants, trees, animals and all out-door things, health, vigor, leisure, and, best of all, the desire and capacity to use his gifts and abilities in the service of his fellow men.

The State of Massachusetts is fortunate that she could have called such a man as Mr. Moen to this interesting, philanthropic, gratuitous service. His sudden death is her great loss.

The members of the Board have lost an agreeable and respected associate.

It is voted that this expression of regard be entered upon the records and that a copy be sent to his family by the secretary of the Board.

## SUPERINTENDENT'S REPORT.

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*To the Trustees of the Worcester Insane Hospital.*

I herewith respectfully submit the following report of the hospital for the year ending Sept. 30, 1904, it being the seventy-second annual report.

There remained at the hospital Oct. 1, 1903, 1,184 patients, — 577 men and 607 women. During the year 673 patients — 341 men and 332 women — were admitted; 436 patients — 183 men and 253 women — were discharged, and 90 men and 61 women died, leaving at the end of the official year 1,226 patients, — 619 men and 607 women. Of this number, 1,053 were supported by the State, 1 by town, and 172 by friends. Of the 436 persons discharged, 121, including 6 habitual drunkards (women), were reported recovered, 62 much improved, 63 improved and 184, including 1 habitual drunkard, not improved; 5 were discharged not insane. Twenty men and 90 women were transferred by the State Board of Insanity to the Medfield Insane Asylum, 25 men to the State Colony at Gardner, 2 men and 5 women to Tewksbury, 2 men each to Danvers and Bridgewater, 1 man each to McLean, Westborough and Palmer, and 1 woman to Taunton. Twenty-four men and 17 women were removed from the State and 10 women were boarded out.

There remained at the end of the year 42 more patients than at the beginning. The smallest number under treatment on any one day was 1,139 and the largest, 1,303. The daily average number was 1,219.82.

The percentage of recoveries, calculated upon the number of discharges and deaths, was 20.6; calculated upon the number of admissions it was 17.9.

The death-rate was 8.1, calculated on the whole number of patients under treatment; and 12.4, calculated upon the daily average number.

Notwithstanding the fact that the hospital has been called upon to provide for a daily average of over 200 patients in excess of its normal capacity, it has had a year of uninterrupted prosperity and exemption from acute or epidemic disease or serious accident.

Our nurses' home was completed and occupied early in October, and a little later a dining room was opened in the Sargent building for the female nurses. A training school was organized, and in order that the nurses might have time for study and proper opportunity for recreation, their hours on duty were reduced to seventy per week. Such a radical change in our household economy could not be carried out without a considerable increase in our number of employees, and, like most new departures, it was not accomplished without a certain amount of friction. At the time, it was found difficult to get proper persons to fill these new places, and we were for some months obliged to get along with a very inadequate corps of attendants, but the school has gone on steadily and successfully, and we now have our full complement of nurses.

The work on our electric light plant has been subject to many delays, due chiefly to the conditions under which this work had to be done. On account of the crowded condition of the building it has been impossible to vacate any portion of it for the purpose of wiring; neither were we able to shut down our steam or power plant except for a few hours each week. We have not only been obliged to keep the old system in full running order, while installing the new, but to make many additions and changes in the old plant. It was necessary to enlarge both our engine and our boiler room; change the piping on our old boilers to adapt them to high-pressure; put in a series of reducing valves between the high-pressure pipes and our kitchen, laundry and general heating system; make the necessary connections to enable us to utilize our exhaust steam in the latter and put in two additional boilers. This has been done as opportunity offered, and the entire plant,



with the exception of the wiring of a portion of the wards, is now practically completed. The boilers were furnished by the Stewart Boiler Works and the piping was done under the direction of S. A. Norcross of O. S. Kendall & Son. Power for our new plant is furnished by three 165 horse-power horizontal non-condensing engines of the automatic, high-speed type, built by the Ames Iron Works of Oswego, New York. To each of these are directly connected two 55 kilowatt, 128 volt, direct current, generators, made by the General Electric Company, which also furnished the motors for our carpenter shop and laundry. The switch-board was put up by the Albert and J. M. Anderson Manufacturing Company of Boston. The wiring is done by the hospital employees. The entire work has been carried out under the supervision of Hollis French and Allen Hubbard, consulting engineers, and in accordance with plans and specifications made by them, and they are to be commended for the thorough and satisfactory manner in which the work has been planned and completed.

The sum of \$10,000 was appropriated by the Legislature of 1904 for a pathological building and morgue. The contract for this building was awarded to E. J. Cross, and work was begun thereon early in August. It is now well under way and will soon be ready for occupancy. It is a one-story brick building, 50 feet square, with a high basement, situated in the rear of the women's wards and connected therewith by a short basement corridor. It will be completed within the appropriation, but on its completion a small additional sum will be needed for furnishings and equipment.

An extension of thirty feet has been made to our laundry and alterations begun for the purpose of putting in new lavatories in the administration building. Both of these improvements are to be paid for out of hospital funds.

Nothing has been done as yet towards carrying out the repairs and improvements in our ward dining rooms proposed in my last report and authorized by the Legislature, the crowded condition of the wards having made it impossible to undertake this work at present. In the mean time it

has become evident that radical changes must soon be made in these dining rooms if we would provide proper and sufficient table accommodations for our increased number of patients. Originally these rooms were barely large enough for the minimum number for which the hospital was designed. They have been enlarged from time to time, as our numbers have increased, until all of the space available for this purpose has been utilized. They now seat 800 persons. With our present number of patients, therefore, from 400 to 500 must be served on trays taken out upon the wards. This makes it impossible to look after the individual patient, adds greatly to the work of the attendants, increases the liability to accident, and in many other ways seriously embarrasses the administration. In trying to formulate some plan that would effectually remedy this difficulty it became evident that no additional room could be made within the hospital itself, and that the only adequate remedy would be the erecting of a separate building or buildings. As our present wards are arranged, however, it was found difficult to devise a suitable plan for a congregate dining room, or, at least, one that could be carried out within reasonable cost, and we are not therefore prepared to urge such a building at present, although we feel assured that some such provision will have to be made in the near future. With this prospect in view it becomes a question, therefore, whether it is desirable to spend any large sum on these dining rooms in the way of improvements and repairs.

I would again urge the necessity for a building for the male attendants. With the increase in their number the quarters originally designed for them have been for a long time inadequate, and the surplus has from necessity been provided for in single rooms upon the wards. The attendants have come to occupy, therefore, a disproportionally large space as compared with the patients, a space which is, at present, much needed for the latter. We are now making up every night from 175 to 200 beds upon the floor, and this necessity would be obviated in the main if we could devote to the use of the patients the room now occupied by the male attendants. With the completion of the building for women and the changes in their hours and

mode of life which were thus made possible, the necessity for a similar building for the men became only the more evident. There is no essential difference in the ward service on either side of the house, and it is only proper that the same hours and the same conditions should apply in the one case as in the other. This cannot be brought about, however, without a material addition to our present number of attendants; but to add to our number is impossible on account of lack of room.

I am again obliged to call attention to our piggery. Aside from its being undesirably located, and a constant source of offence and complaint on the part of our neighbors, it has become so dilapidated as to be beyond repair. Notwithstanding every precaution used, we have for several years in succession lost many of our pigs from cholera, and no effort to stamp out the disease proved availing as long as they were confined in the old building. To put it in a sanitary condition and keep it so has proved to be impossible, and we have therefore felt compelled to abandon it and dispose of our pigs elsewhere. This has left us without sufficient accommodations for the number requisite to consume the refuse from our tables, which, if allowed to accumulate, soon becomes offensive and not easily disposed of. The amount received from the sale of pork is practically net gain to the hospital, and in ordinary years would go far toward paying the entire estimated cost of a new building such as is proposed.

Our coal pocket is much too small for our present needs, and, since the change in our boiler room, has become inconvenient. It holds only about one-third of our yearly supply, so that the bulk of our coal has to be stored out of doors. The only place available for such storage is in the space next our clothes yard, and on a windy day the dust from the coal makes it next to impossible to use the yard for drying purposes. I would recommend, therefore, that a new coal pocket be built to store three thousand tons of coal, at an estimated expense of \$5,770.

The grounds on the west side and along the rear of the building have never been adequately enclosed, and our patients are often much annoyed by boys and men congregating about the rear wards or wandering about the premises. Our

property should be enclosed along this line by a substantial wire fence. Such a fence could be erected for \$1,000.

The greater part of our steam pipe needs re-covering. The original covering was a poor quality of hair felt, most of which has become disintegrated and has fallen off, leaving the pipe bare except for the cloth used to keep the felt in place. This would cost \$1,500.

Our old farm-house, now used for storage purposes, should be repaired and put in order for the use of the farmer and his family, who now live off the premises. Some place should be provided for our tools and garden implements and the storage of straw. A small forcing pit is also needed for growing early plants for the garden, and a cellar should be built suitable for the keeping of vegetables through the winter. The abandoned piggery could be moved and adapted to these purposes at a small relative expense, and the whole work done probably for \$1,500.

Little or nothing has been expended for furniture in the administration building since the opening of the hospital, and many of the rooms need to be entirely refurnished. An appropriation of \$2,000 would be required for this purpose.

The medical service of the hospital has been kept fully up to the standard of former years as regards the character and amount of the work done. With the completion of our laboratory our facilities in this direction will be greatly improved, and we confidently expect that the outlay will find its full justification in the increased interest manifested by the staff and by the better work which the building will make possible.

Within the past year there has been an unusually large amount of material available for pathological study, and it has been utilized as in previous years. The same general plan of routine examination has been followed, more especially of the nervous system, with a view to studying cell changes and the finer microscopical structures of the brain and cord. Careful records have been kept of all the findings.

Many interesting problems were presented and special study made of the more unusual cases. Among these were two cases of polyneuritic psychosis, two of miliary tuberculosis,

involving the brain and meninges, one each of lead encephalitis, Huntington's chorea, hemichorea and chorea insaniens, besides numerous cases of organic brain disease. Experimental studies in lead poisoning were carried out, and many of the newer histological methods received considerable attention, among them more especially the demonstration of neurofibrils by the method of Ramon y Cajal.

During the winter months the pathologist gave weekly talks and demonstrations on the anatomy of the brain and cord, and the same plan is being followed this year.

The chemical work has consisted of routine examinations of blood, sputum, urine and occasionally gastric contents, and also the analysis of pathological fluids for points of special interest. Special chemical work has also been pursued by Dr. Coriat along the lines of nerve chemistry, with particular reference to cyto-diagnosis and chemistry of the cerebro-spinal fluid, with the occurrence of cholin therein, and the isolation of various normal and pathological products from both animal and human brain material. The publications from the chemical laboratory during the last year include "The Occurrence of the Bence-Jones Albumin in a Pleuritic Effusion" (*American Journal of Medical Sciences*, October, 1903); "Emulsion Albuminuria" (*Medical Record*, Nov. 14, 1903); "The Cerebro-Spinal Fluid in Hydrocephalus" (*American Journal of Physiology*, Vol. X., No. 3); "The Chemical Findings in the Cerebro-Spinal Fluid and Central Nervous System in Various Diseases" (*American Journal of Insanity*, Vol. LX., No. 4, 1904). Among other work in course of publication is a paper on the lecithin-splitting ferment of the brain, and studies in metabolism of two cases of mental disturbance associated with renal disorders. A paper also by Dr. Coriat, on "Reduplicative Paramnesia," has appeared in the *Journal of Mental and Nervous Diseases*, Vol. 31, Nos. 9 and 10.

During the winter material was furnished by the hospital to illustrate a series of valuable and interesting clinical lectures given by Dr. Edward Cowles to the students of Clark University.

The current expenses, less the amount received from articles

sold, have been \$244,112.69; dividing this by 1,219.82, the daily average number of patients, gives \$200.12, as the annual cost of support, which is equivalent to a weekly cost of \$3.85.

We wish to thank the proprietors of the "Worcester Spy" and the "Fitchburg Sentinel" for copies of their papers, Miss Frances Lincoln for pictures and Mrs. William H. Bliss for periodicals and for a pair of candlesticks for the nurses' home, and the employment society for sewing.

H. M. QUINBY,  
*Superintendent.*

WORCESTER, Sept. 30, 1904.

## PRODUCTS OF THE FARM

ON HAND OCT. 1, 1904, AND NOT DELIVERED AT THE HOSPITAL.

Apples, barrels, . . . . .	475	Hay, swale, tons, . . . . .	10
Beets, bushels, . . . . .	600	Lettuce, heads, . . . . .	1,000
Cabbage, heads, . . . . .	20,000	Parsnips, bushels, . . . . .	600
Cauliflower, heads, . . . . .	500	Parsley, bushels, . . . . .	10
Carrots, bushels, . . . . .	600	Radishes, . . . . .	2,000
Celery, heads, . . . . .	8,000	Rowen, tons, . . . . .	25
Ensilage, tons, . . . . .	500	Rye, bushels, . . . . .	10
Fodder, barley, tons, . . . . .	25	Spinach, bushels, . . . . .	200
Fodder, oat, tons, . . . . .	15	Straw, rye, tons, . . . . .	4
Hay, English, tons, . . . . .	280	Turnips, bushels, . . . . .	600

## FARM ACCOUNT.

DR.

Blacksmith, . . . . .	\$320 69
Bread, . . . . .	300 65
Butter, . . . . .	712 95
Current expenses, . . . . .	1,307 96
Fertilizer, . . . . .	464 50
Fish, . . . . .	227 94
Fuel, . . . . .	366 62
Furniture and furnishings, . . . . .	130 29
Grain, . . . . .	8,110 37
Groceries, etc., . . . . .	2,263 38
Harness, repairs, etc., . . . . .	255 53
Ice, . . . . .	50 65
Lights, . . . . .	311 16
Live stock: —	
Cows, . . . . .	1,825 00
Hogs, . . . . .	30 00
Horses, . . . . .	1,425 00
Meats, . . . . .	1,748 49
Milk, . . . . .	549 16
<i>Amount carried forward,</i> . . . . .	\$20,400 34

<i>Amount brought forward,</i>	\$20,400 34
Repairs,	505 78
Seeds,	152 27
Sugar,	336 25
Tools, machines, etc.,	367 16
Wages,	8,550 35
Wagons, repairs,	509 98
Water,	168 42
Net gain for year ending Sept. 30, 1904,	10,262 01
	<hr/>
	\$41,252 56

## Cr.

Apples, No. 1, 527 barrels,	\$1,260 50
Apples, No. 2, 297 barrels,	525 50
Apples, sold, 32 barrels,	35 10
Asparagus, 90 bushels,	11 25
Barrels, vinegar, 65,	69 75
Barrels, old, sold, 314,	22 12
Baskets, berry, sold, 5,000,	12 50
Beans, lima, 79 bushels,	99 75
Beans, shell, 15 bushels,	15 13
Beans, string, 251 bushels,	251 00
Beef, fore quarters, 46,	514 81
Beef, hind quarters, 46,	631 84
Beets, 250½ bushels,	336 91
Beets, greens, 121½ bushels,	42 52
Bones, sold, 12,452 pounds,	62 26
Bones, carcass sold, 496 pounds,	1 23
Brussel sprouts, ½ bushel,	1 50
Cabbage, 376 barrels,	843 03
Carrots, 89 bushels,	51 73
Cauliflower, 260 heads,	30 85
Celery, 778.5 dozen,	1,144 93
Cider, 50,592 gallons,	632 40
Cider, sold, 10 gallons,	1 00
Corn, 3,109 dozen,	331 08
Cucumbers, 4,152,	52 00
Cucumber pickles, 17,000,	49 08
Currants, 709 quarts,	70 90
Dressing, 19 loads,	38 00
Eggplants, 65,	6 77
Eggs, 10½ dozen,	2 42
Feed, ground, 3,600 pounds,	45 07
Fowls, 170 pounds,	25 50
Gravel, 237 loads,	237 00
Gravel sold, 202 loads,	30 30
Hay, 30,950 pounds,	308 00
Hides, cow, 1,774 pounds,	104 43
	<hr/>
<i>Amount carried forward,</i>	\$7,898 16



<i>Amount brought forward,</i>	\$7,898 16
Hides, calf, 6,	5 48
Ice, 1,087 tons,	746 80
Ice sold, 435 tons,	106 25
Iron, junk, sold,	6 00
Labor, men, 2,109 days, at \$1 per day,	2,109 00
Labor, teams, 470½ days, at \$4 per day,	1,882 00
Live stock sold:—	
Bull, 1,	75 00
Calves, 45,	200 00
Cows, 2,	33 00
Hogs, 44,	255 38
Horse, 1,	85 00
Lettuce, 1,402½ dozen,	586 05
Milk, 429,100 quarts,	17,164 00
Oats, 18,628 pounds,	292 30
Onions, 1,321¼ bushels,	1,305 90
Parsley,	40
Parsnips, 202¼ bushels,	215 69
Pears, 9½ bushels,	7 20
Peas, 114.2 bushels,	130 25
Peppers, 10 bushels,	30
Plants sold, tomato, 1,210,	12 10
Pork, 13,084 pounds,	906 28
Pork sold, 31,148.3 pounds,	2,131 74
Pumpkins, 8,045 pounds,	80 45
Radishes, 10,140,	186 00
Rhubarb, 9,801 pounds,	201 33
Raspberries, red, 123 quarts,	15 99
Sand, 429.25 yards,	587 31
Scullions, 4 bushels,	4 44
Spinach, 783½ bushels,	314 53
Squash, summer, 412½ dozen,	92 11
Squash, winter, 120,123 pounds,	1,984 11
Stone, 62 loads,	41 00
Stone, broken, 7 yards,	10 50
Strawberries, 1,863 quarts,	226 57
Straw, oat, 74,175 pounds,	486 87
Straw, rye, 16,950 pounds,	186 29
Tomatoes, 342 bushels,	208 68
Tomatoes, green, 46½ bushels,	16 27
Turnips, 340¼ bushels,	187 17
Veal, fore quarters, 16,	28 24
Veal, hind quarters, 16,	45 74
Vegetables sold:—	
Beets, 165.1 bushels,	188 68
Wood sold, 3 loads,	6 00
Total receipts,	\$41,252 56

## LIST OF PERSONS

EMPLOYED IN THE WORCESTER INSANE HOSPITAL, SEPT. 30, 1904.

Superintendent, per year, . . . . .	\$3,000 00
Assistant superintendent, per year, . . . . .	2,000 00
Assistant physician, per year, . . . . .	1,000 00
Assistant physician, per year, . . . . .	900 00
Assistant physicians (two), each, per year, . . . . .	800 00
Junior assistant physicians (four), each, per year, . . . . .	400 00
Pathologist, per year, . . . . .	1,000 00
Druggist, per week, . . . . .	20 00
Assistant in laboratory, per month, . . . . .	25 00
Steward, per year, . . . . .	1,200 00
Matron, per year, . . . . .	600 00
Clerk, per month, . . . . .	60 00
Treasurer, per year, . . . . .	500 00
Auditor, per year, . . . . .	75 00
Stenographers (two), per week, . . . . .	10 00
Stenographer (one), per month, . . . . .	30 00
Superintendent of nurses, per year, . . . . .	900 00
Supervisors (three men), each, per month, . . . . .	\$40 00 to 45 00
Supervisors (five women), each, " " . . . . .	25 00 to 30 00
Marker of clothing, etc., " " . . . . .	20 00
Seamstresses (four), " " . . . . .	18 00
Attendants (fifty-nine men), " " . . . . .	\$23 00 to 28 00
Attendants and nurses (seventy-four women), per month, . . . . .	14 00 to 20 00
Baker, " " . . . . .	60 00
Assistant baker, " " . . . . .	30 00
Steward's assistant, " " . . . . .	30 00
Kitchen men (two), " " . . . . .	\$25 00 to 30 00
Cooks (three), " " . . . . .	28 00 to 45 00
Laundrymen (two), per week and per month, . . . . .	12 00 and 25 00
Laundress, " " . . . . .	25 00
Laundry girls (seven), " " . . . . .	\$14 00 to 18 00
Kitchen girls (six), " " . . . . .	14 00 to 18 00
House girls, each, " " . . . . .	14 00 to 16 00
Office girl, " " . . . . .	18 00

Carpenters (five), per day, . . . . .	\$2 50 to \$3 00
Painters (two), per day, . . . . .	2 50
Masons (three), per day, . . . . .	3 25
Tenders (two), per day, . . . . .	2 25
Steamfitters (two), per day, . . . . .	\$3 00 and 2 25
Plumber, per month, . . . . .	75 00
Engineer, per day, . . . . .	3 00
Firemen (two), per month, . . . . .	40 00
Farmers (two), . . . . .	.\$45 00 and 75 00
Housekeepers (three), per month, . . . . .	18 00 to 25 00
Farm laborers (fourteen), . . . . .	25 00 to 28 00
Farm help (five women), . . . . .	14 00 to 22 00
Florist, per month, . . . . .	45 00
Coachman, per month, . . . . .	28 00
Expressman, per month, . . . . .	25 00
Basement and yard men (two), per month, . . . . .	.\$25 00 and 28 00
Butcher, per month, . . . . .	25 00
Electrician, per week, . . . . .	20 00

## VALUATION OF PERSONAL ESTATE

SEPT. 30, 1904.

Provisions and groceries, . . . . .	\$7,885 80
Ready-made clothing, . . . . .	2,315 20
Dry goods:—	
For clothing, . . . . .	209 39
For bedding, . . . . .	334 47
Furnishings:—	
Beds and bedding in inmates' department, . . . . .	32,454 00
Other furnishings in inmates' department, . . . . .	24,053 30
Personal property of State in superintendent's department, .	18,029 93
All other property, . . . . .	18,860 74
Heat, light and power:—	
Fuel, . . . . .	4,141 90
All other property, . . . . .	135 00
Repairs and improvements:—	
Machinery and mechanical fixtures, . . . . .	34,823 23
All other property, . . . . .	1,405 00
Farm, stable and grounds:—	
Live stock on farm, . . . . .	15,132 00
Produce of farm on hand, . . . . .	17,068 53
Carriages and agricultural implements, . . . . .	8,232 50
All other property, . . . . .	355 00
Miscellaneous:—	
Drugs and medicines, . . . . .	442 40
Tobacco, . . . . .	14 06
Library, . . . . .	5,842 71
Other supplies undistributed, . . . . .	7,203 19
	\$198,938 35

## TREASURER'S REPORT.

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*To the Trustees of the Worcester Insane Hospital.*

I hereby submit my annual report on the finances of the Worcester Insane Hospital for the year ending Sept. 30, 1904.

### RECEIPTS.

Cash on hand Sept. 30, 1903, . . . . .	\$2,367 41
Received from cities and towns for support of patients, . . . . .	66,240 34
from individuals for support of patients, . . . . .	50,035 32
from individuals for support of patients, reimbursements, . . . . .	4,579 16
from soldiers' relief for support of patients, . . . . .	949 86
from interest on bank balance, . . . . .	257 95
from farm and farm products, . . . . .	3,238 20
from sale of rags and rubber, . . . . .	277 80
from sale of old brass and iron, . . . . .	37 22
from sale of tallow and grease, . . . . .	562 38
from sale of ice, . . . . .	106 25
from sale of tubs and barrels, . . . . .	161 39
from sale of sundries, . . . . .	1,288 33
from sales from store, . . . . .	786 30
from Commonwealth for current expenses, . . . . .	250,570 56
from Commonwealth from special appropriations, . . . . .	41,297 40
Total receipts, . . . . .	\$422,755 87

### EXPENDITURES.

Pay roll, . . . . .	\$87,058 22
Food:—	
Butter, . . . . .	\$10,463 26
Beans, . . . . .	1,049 14
Bread and crackers, . . . . .	587 32
Cereals, rice, meal, etc., . . . . .	1,646 81
Cheese, . . . . .	665 24
Eggs, . . . . .	6,173 42
Flour, . . . . .	7,296 50
<i>Amounts carried forward,</i> . . . . .	\$27,881 69
	\$87,058 22

<i>Amounts brought forward,</i> . . . . .	\$27,881 69	\$87,058 22
Fish, . . . . .	3,576 94	
Fruit, . . . . .	3,075 17	
Meats, . . . . .	18,243 47	
Molasses, etc., . . . . .	379 45	
Sugar, . . . . .	5,657 37	
Tea, coffee, etc., . . . . .	1,806 05	
Vegetables, . . . . .	5,192 51	
Sundries, . . . . .	2,819 47	
	<hr/>	68,632 12
Clothing and clothing material: —		
Boots, shoes, etc., . . . . .	\$1,656 54	
Clothing, . . . . .	4,825 47	
Dry goods for clothing, etc., . . . . .	2,663 82	
Furnishing goods, . . . . .	1,137 30	
Hats and caps, . . . . .	256 99	
Leather and shoe findings, . . . . .	62 00	
Sundries, . . . . .	79 27	
	<hr/>	10,681 39
Furnishings: —		
Beds, bedding, table linen, etc., . . . . .	\$5,723 25	
Brushes, brooms, etc., . . . . .	456 03	
Carpets, rugs, etc, . . . . .	389 76	
Crockery, glassware, cutlery, etc., . . . . .	1,469 12	
Furniture and upholstery, . . . . .	899 05	
Kitchen furnishings, . . . . .	556 66	
Woodenware, etc., . . . . .	144 16	
Sundries, . . . . .	734 38	
	<hr/>	10,372 41
Heat, light and power: —		
Coal, . . . . .	\$15,029 59	
Gas, . . . . .	6,538 68	
Oil, . . . . .	145 38	
Sundries, . . . . .	23 80	
	<hr/>	21,737 45
Repairs and improvements: —		
Bricks, . . . . .	\$102 67	
Cement, lime, etc., . . . . .	756 32	
Doors, sashes, etc., . . . . .	107 28	
Electrical work and supplies, . . . . .	684 74	
Hardware, . . . . .	1,033 76	
Lumber, . . . . .	1,181 81	
Machinery, etc., . . . . .	548 51	
Paints, oils, glass, etc., . . . . .	1,492 17	
Plumbing, steamfitting and supplies, . . . . .	6,766 75	
Roofing and materials, . . . . .	697 15	
Sundries, . . . . .	4,653 72	
	<hr/>	18,024 88
<i>Amount carried forward,</i> . . . . .		\$216,506 47

<i>Amount brought forward,</i> . . . . .		\$216,506 47
Farm, stable and grounds: —		
Blacksmith and supplies, . . . . .	\$604 05	
Carriages, wagons and repairs, . . . . .	852 28	
Fertilizers, seeds, etc., . . . . .	816 06	
Hay, grain, etc., . . . . .	8,508 49	
Harness and repairs, . . . . .	506 32	
Horses, . . . . .	1,625 00	
Cows, . . . . .	1,825 00	
Other live stock, . . . . .	30 00	
Tools, farm machines, etc., . . . . .	501 71	
Sundries, . . . . .	1,175 13	
	<hr/>	16,444 04
Miscellaneous: —		
Books, periodicals, etc., . . . . .	\$560 75	
Chapel services and entertainments, . . . . .	541 80	
Freight, expressage, etc., . . . . .	297 57	
Funeral expenses, . . . . .	295 00	
Gratuities, . . . . .	46 00	
Hose, etc., . . . . .	462 44	
Labor (not on pay roll), . . . . .	30 00	
Medicines and hospital supplies, . . . . .	2,418 77	
Medical attendance, . . . . .	182 18	
Postage, . . . . .	401 74	
Printing and printing supplies, . . . . .	716 56	
Return of runaways, . . . . .	122 32	
Soap and laundry supplies, . . . . .	3,515 25	
Stationery and office supplies, . . . . .	441 27	
School books and school supplies, . . . . .	294 90	
Travel and expenses (officials), . . . . .	204 01	
Telephone and telegraph, . . . . .	201 16	
Tobacco, . . . . .	901 70	
Water, . . . . .	4,619 11	
Sundries, . . . . .	1,367 52	
	<hr/>	17,620 05
Total, . . . . .		\$250,570 56
Paid out of special appropriations, . . . . .	\$41,297 40	
Receipts paid to State Treasurer, . . . . .	124,745 36	
	<hr/>	
Total expenditures, . . . . .		\$166,042 76
Cash on hand Sept. 30, 1904, . . . . .		6,142 55
		<hr/>
		\$422,755 87

## RESOURCES.

Cash on hand Oct. 1, 1904, . . . . .	\$6,142 55
Bills due from cities and towns, . . . . .	584 53
Bills due from individuals, . . . . .	13,535 63
Bills due from individuals, reimbursements, . . . . .	3,997 72
Unexpended special appropriations, . . . . .	19,218 67
<b>Total resources, . . . . .</b>	<b>\$43,479 10</b>

## LIABILITIES.

Due for maintenance paid in advance, . . . . .	\$84 60
Due for salaries and wages, . . . . .	7,812 15
Due for all other current expenses, . . . . .	26,525 12
Due for special appropriations, . . . . .	4,830 88
<b>Total liabilities, . . . . .</b>	<b>\$39,252 75</b>

*Special Appropriations.*

OBJECT.	Resolves.	Whole Amount.	Expended in 1902-3.	Expended in 1904.	Balance Oct. 1, 1904.
Nurses' home, . . . . .	1901, chap. 471,	\$45,000 00	\$42,298 93	\$2,701 07	-
Electric lighting, . . . . .	1902, chap. 118,	16,000 00	3,804 29	-	\$12,195 71
Electric lighting, . . . . .	1903, chap. 414,	45,000 00	185 00	35,360 17	9,454 83
Stenographer's room, . . . . .	1903, chap. 414,	3,000 00	-	2,986 16	13 84
Pathological building, . . . . .	1904, chap. 323,	10,000 00	-	250 00	9,750 00

## PATIENTS' FUNDS.

Balance on hand Sept. 30, 1903, . . . . .	\$2,822 29
Receipts during year, . . . . .	2,500 09
Interest on bank balance, . . . . .	58 70
	<hr/>
	\$5,381 08
Expenditures during year, . . . . .	2,700 16
	<hr/>
Balance on hand Sept. 30, 1904, . . . . .	\$2,680 92

Respectfully submitted,

ALBERT WOOD,

*Treasurer.*

Oct. 1, 1904.



## STATEMENT OF FUNDS.

## LEWIS FUND.

Balance on hand Sept. 30, 1903, . . . . .	\$1,339 75	
Dividends, . . . . .	53 75	
	<hr/>	\$1,393 50
Expended for books, . . . . .		100 33
		<hr/>
		<u>\$1,293 17</u>

*Investment.*

Chicago, Burlington & Quincy Railroad bond, .	\$926 36	
Worcester County Institution for Savings, .	342 60	
Cash on hand Sept. 30, 1904, . . . . .	24 21	
	<hr/>	\$1,293 17
		<u><u>\$1,293 17</u></u>

## WHEELER FUND.

Balance on hand Sept. 30, 1903, . . . . .	\$4,691 94	
Dividends, . . . . .	188 29	
Central National Bank third payment in liquidation, . . . . .	70 00	
	<hr/>	\$4,950 23
Expended for books, . . . . .		89 10
		<hr/>
		<u>\$4,861 13</u>

*Investment.*

Three shares Worcester National Bank, . . . . .	\$570 00	
Five shares Boston & Philadelphia Steamship Co., . . . . .	712 50	
Worcester County Institution for Savings, .	1,678 36	
Worcester Five Cents Savings Bank, . . . . .	1,719 47	
Cash on hand Sept. 30, 1904, . . . . .	180 80	
	<hr/>	\$4,861 13
		<u><u>\$4,861 13</u></u>

## LAWN FUND.

Balance in Mechanics' Savings Bank Sept. 30, 1903, . . . . .	\$912 08	
Dividends, . . . . .	36 46	
Balance in bank Sept. 30, 1904, . . . . .	<hr/>	\$948 54

## MANSON FUND.

Balance in Worcester County Institution for		
Savings Sept. 30, 1903, . . . . .	\$1,375 94	
Dividends, . . . . .	55 02	
Balance in bank Sept. 30, 1904, . . . . .		\$1,430 96
		<u><u>          </u></u>

## LAND ACCOUNT.

Balance on hand Sept. 30, 1903, . . . . .	\$58 52	
For sale of land, . . . . .	670 10	
		\$728 62
		<u><u>          </u></u>
Check to State Treasurer, . . . . .	\$670 10	
Surveying, etc., . . . . .	22 50	
Drawing deed, . . . . .	3 00	
Balance in bank Sept. 30, 1904, . . . . .	33 02	
		\$728 62
		<u><u>          </u></u>

Respectfully submitted,

ALBERT WOOD,

*Treasurer of Corporation.*

Oct. 1, 1904.

WORCESTER, MASS., Oct. 24, 1904.

I hereby certify that I have this day compared the treasurer's statement of disbursements for the year ending Sept. 30, 1904, with the vouchers on file at the Worcester Insane Hospital, and find them to agree. I have also inspected the securities representing the invested funds of the institution, and find that their market value is as stated.

GEO. L. CLARK,

*Auditor of Accounts.*

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# STATISTICAL TABLES.

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[FORM PRESCRIBED BY STATE BOARD OF INSANITY.]

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I. — General Statistics of the Year.

	INSANE.			HABITUAL DRUNKARDS.			AGGREGATES.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Patients in the house Oct. 1, 1903,	577	600	1,177	-	-	7	577	607	1,184
Admitted within the year,	341	324	665	-	-	8	341	332	673
Viz.: by commitment,	325	302	627	-	-	8	325	310	635
by transfer,	12	22	34	-	-	-	12	22	34
from visit,	-	-	-	-	-	-	-	-	-
from escape,	4	-	4	-	-	-	4	-	4
Whole number of cases within the year,	918	924	1,842	-	-	8	918	932	1,850
Dismissed within the year,	273	307	580	-	-	7	273	314	587
Viz.: Discharged:—									
As recovered at time of leaving hospital,	61	54	115	-	-	6	61	60	121
As much improved,	29	32	61	-	-	-	29	32	61
As improved,	26	23	49	-	-	-	26	23	49
As not improved,	9	30	39	-	-	1	9	31	40
As not insane,	4	1	5	-	-	-	4	1	5
As not insane,	61	90	151	-	-	-	61	61	121
Died,	54	106	160	-	-	-	54	106	160
Transferred,	10	2	12	-	-	-	10	2	12
Escaped,	10	15	25	-	-	1	10	16	26
On visit,	16	-	16	-	-	1	16	16	32
Patients remaining Sept. 30, 1904:—	552	496	1,048	-	-	5	552	501	1,053
Viz.: supported as State patients,	-	-	-	-	-	1	-	1	1
as private patients,	67	105	172	-	-	-	67	105	172
as town patients,	338	329	667	-	-	-	338	329	667
Number of different persons admitted:—									
By commitment,	325	302	627	-	-	8	325	310	635
By transfer,	12	22	34	-	-	-	12	22	34
By visit,	61	54	115	-	-	6	61	60	121
Number of different persons recovered,									
By commitment,	459.89	423.64	883.53	-	-	5.3	459.89	428.94	888.83
By transfer,	79.51	80.96	160.47	-	-	2.1	79.51	83.06	162.57
By visit,	66.05	102.37	168.42	-	-	-	66.05	102.37	168.42
Daily average number of patients:—									
Viz.: State patients,									
town patients,	459.89	423.64	883.53	-	-	5.3	459.89	428.94	888.83
private patients,	79.51	80.96	160.47	-	-	2.1	79.51	83.06	162.57
total,	66.05	102.37	168.42	-	-	-	66.05	102.37	168.42

2. — *Insane received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.		
	Males.	Females.	Totals.
First, . . . . .	292	261	553
Second, . . . . .	35	39	74
Third, . . . . .	9	18	27
Fourth, . . . . .	1	4	5
Fifth, . . . . .	4	-	4
Sixth, . . . . .	-	1	1
Seventh, . . . . .	-	1	1
Total cases, . . . . .	341	324	665
Total persons, . . . . .	338	321	659
Never before in any hospital for the insane, . . . . .	265	235	500

3. — *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, . . . . .	96	37	34	62	13	16	158	50	50
Other New England States, . . . . .	23	21	21	17	16	15	40	37	36
Other States, . . . . .	13	10	10	19	4	3	32	14	13
Total native, . . . . .	132	68	65	98	33	34	230	101	99
Other countries:—									
Armenia, . . . . .	4	3	3	-	-	-	4	3	3
Austria, . . . . .	2	1	1	1	-	-	3	1	1
Azore Islands, . . . . .	-	-	-	1	-	-	1	-	-
Canada, . . . . .	21	22	21	30	19	18	51	41	39
China, . . . . .	1	1	1	-	-	-	1	1	1
Denmark, . . . . .	-	-	-	1	-	-	1	-	-
England, . . . . .	6	8	6	3	7	5	9	15	11
Finland, . . . . .	5	6	6	10	8	8	15	14	14
France, . . . . .	1	1	-	1	1	1	2	1	1
Greece, . . . . .	-	1	1	-	-	-	-	1	1
Germany, . . . . .	5	6	6	1	3	3	6	9	9
Ireland, . . . . .	50	79	84	64	76	78	114	155	162
Italy, . . . . .	1	1	1	3	2	2	4	3	3
Lithuania, . . . . .	1	-	-	-	-	-	1	-	-
Newfoundland, . . . . .	-	-	-	2	-	-	2	-	-
Norway, . . . . .	1	-	-	1	1	1	2	1	1
Poland, . . . . .	1	2	2	-	1	1	1	3	3
Russia, . . . . .	6	5	5	2	-	-	8	5	5
Scotland, . . . . .	3	5	5	-	3	2	3	8	7
Sweden, . . . . .	12	13	14	7	8	8	19	21	22
Syria, . . . . .	-	-	-	1	-	-	1	-	-
Turkey, . . . . .	1	-	-	-	-	-	1	-	-
West Indies, . . . . .	2	1	1	-	-	-	2	1	1
Total foreign, . . . . .	123	154	157	128	129	127	251	283	284
Unknown, . . . . .	10	43	43	9	73	74	19	116	127
Total, . . . . .	265	265	265	235	235	235	500	500	500

4. — *Residence of Insane Persons admitted by Commitment.*

PLACES.	FIRST ADMITTED TO ANY HOSPITAL.			OTHER ADMISSIONS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Massachusetts (by counties) : —						
Bristol, . . . . .	—	—	—	4	2	6
Hampshire, . . . . .	—	1	1	—	—	—
Middlesex, . . . . .	61	82	143	24	34	58
Norfolk, . . . . .	2	4	6	—	—	—
Suffolk, . . . . .	49	34	83	13	9	22
Worcester, . . . . .	153	114	267	35	44	79
Totals, . . . . .	265	235	500	76	89	165
Cities or towns, . . . . .	196	177	373	65	60	125
Country districts, . . . . .	69	58	127	11	29	40

5. — *Civil Condition of Insane Persons First admitted to Any Hospital.*

	Males.	Females.	Totals.
Unmarried, . . . . .	116	88	204
Married, . . . . .	106	88	194
Widowed, . . . . .	23	47	70
Divorced, . . . . .	1	3	4
Unknown, . . . . .	19	9	28
Totals, . . . . .	265	235	500

## 6. — Occupation of Insane Persons First admitted to Any Hospital.

## FEMALES.

Candymaker, . . . . .	1	Operatives, . . . . .	24
Christian Science healer, . . . . .	1	Seamstresses, . . . . .	3
Clerks, . . . . .	4	Servant, . . . . .	1
Cook, . . . . .	1	Waitress, . . . . .	1
Domestics, . . . . .	61	No occupation, . . . . .	45
Dressmakers, . . . . .	2		
Housekeepers, . . . . .	35	Total, . . . . .	222
Housewives, . . . . .	39	Unknown, . . . . .	13
Laundresses, . . . . .	2		
Matrons, . . . . .	2	Total, . . . . .	235

## MALES.

Agents, . . . . .	3	Machinists, . . . . .	9
Baker, . . . . .	1	Masons, . . . . .	3
Barbers, . . . . .	2	Mechanics, . . . . .	2
Bartender, . . . . .	1	Merchants, . . . . .	6
Beamtender, . . . . .	1	Motorman, . . . . .	1
Bookkeepers, . . . . .	2	Moulders, . . . . .	5
Brass polisher, . . . . .	1	Newsdealers, . . . . .	2
Buffer, . . . . .	1	Operatives, . . . . .	31
Carpenters, . . . . .	3	Overseer, . . . . .	1
Carriage trimmer, . . . . .	1	Painters, . . . . .	11
Chair shop, . . . . .	1	Paper hangers, . . . . .	2
Clerks, . . . . .	3	Peddlers, . . . . .	3
Compositor, . . . . .	1	Phrenologist, . . . . .	1
Conductor (street railroad), . . . . .	1	Physician, . . . . .	1
Cooks, . . . . .	3	Pipe fitter, . . . . .	1
Coremaker, . . . . .	1	Plumber, . . . . .	1
Dyer, . . . . .	1	Printer, . . . . .	1
Electricians, . . . . .	2	Quarryman, . . . . .	1
Elevator man, . . . . .	1	Rag picker, . . . . .	1
Expressman, . . . . .	1	Salesmen, . . . . .	2
Farmers, . . . . .	12	Seamen, . . . . .	2
Farm hands, . . . . .	2	Shoemakers, . . . . .	4
Fireman, . . . . .	1	Spring works, . . . . .	1
Foreman, . . . . .	1	Stone cutter, . . . . .	1
Furniture polisher, . . . . .	1	Student, . . . . .	1
Groom, . . . . .	1	Tailor, . . . . .	1
Hackman, . . . . .	1	Teamsters, . . . . .	11
Hostler, . . . . .	1	Travelling salesmen, . . . . .	2
Hotel work, . . . . .	1	Waiters, . . . . .	2
Jack repairer, . . . . .	1	No occupation, . . . . .	26
Jeweller, . . . . .	1		
Laborers, . . . . .	61	Total, . . . . .	254
Lamplighter, . . . . .	1	Unknown, . . . . .	11
Laundry man, . . . . .	1		
Lunch man, . . . . .	1	Total, . . . . .	265



7. — Probable Causes of Mental Disease in Persons First admitted to Any Hospital.

EXCITING CAUSES.	ADMITTED.			PREDISPOSING CAUSES.													
	Males.	Females.	Totals.	HEREDITARY TENDENCY.			NEUROTIC TENDENCY.			INTEMPERANCE.							
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.					
<i>Physical.</i>																	
Alcohol, . . . . .	83	18	101	13	4	17	1	-	1	83	18	101					
Alcohol and other causes, . . . . .	4	2	6	3	1	4	2	-	2	4	2	6					
Childbirth, . . . . .	-	3	3	-	1	1	-	-	-	-	-	-					
Epilepsy, . . . . .	4	7	11	1	1	2	4	7	11	-	-	-					
Exhaustion, . . . . .	1	-	1	-	-	-	-	-	-	1	-	1					
Heredity, . . . . .	33	44	77	33	44	77	5	-	5	-	2	2					
Huntington's chorea, . . . . .	-	1	1	-	1	1	-	-	-	-	-	-					
Ill health, . . . . .	9	17	26	2	6	8	1	-	1	2	-	2					
Ill health and other causes, . . . . .	2	5	7	-	2	2	-	-	-	2	1	3					
Ill treatment, . . . . .	1	-	1	-	-	-	-	-	-	-	-	-					
Immorality, . . . . .	-	1	1	-	-	-	-	-	-	-	-	-					
Involution, . . . . .	4	1	5	3	-	3	1	1	2	-	-	-					
Lactation, . . . . .	-	2	2	-	1	1	-	-	-	-	-	-					
Masturbation, . . . . .	3	-	3	1	-	1	-	-	-	2	-	2					
Masturbation and other causes, . . . . .	1	-	1	-	-	-	-	-	-	1	-	1					
Menopause, . . . . .	-	4	4	-	1	1	-	-	-	-	-	-					
Menopause and other causes, . . . . .	-	9	9	-	2	2	-	-	-	-	2	2					
Menstrual disorders, . . . . .	-	1	1	-	-	-	-	-	-	-	-	-					
Miscarriage and other causes, . . . . .	-	1	1	-	-	-	-	-	-	-	-	-					
Morphinism, . . . . .	1	-	1	-	-	-	-	-	-	1	-	1					

## 7. — 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.			INTEMPERANCE.								
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.						
Morphinism and other causes, . . . . .	2	—	2	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Operation, . . . . .	1	1	2	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
Overwork, . . . . .	3	5	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Overwork and other causes, . . . . .	—	6	6	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—
Pregnancy, . . . . .	—	3	3	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Senility, . . . . .	30	13	43	6	1	7	1	—	—	—	—	—	—	—	—	—	—	6
Senility and other causes, . . . . .	1	3	4	9	1	10	1	—	—	—	—	—	—	—	—	—	—	—
Syphilis, . . . . .	29	2	31	7	—	7	3	—	—	—	—	—	—	—	—	—	—	11
Trauma, . . . . .	4	4	8	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
<i>Mental.</i>																		
Grief, . . . . .	2	6	8	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—
Grief and other causes, . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Homesickness, . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worry, . . . . .	4	2	6	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Worry and other causes, . . . . .	4	3	7	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—
Total, . . . . .	226	166	392	74	75	149	19	8	27	112	27	139	—	—	—	—	—	—
Unknown, . . . . .	39	69	108	2	4	6	—	—	—	—	—	—	—	—	—	—	—	—
Totals, . . . . .	265	235	500	76	79	155	19	9	28	112	27	139	—	—	—	—	—	—

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

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.				PERSONS DIED.				
	AT FIRST ATTACK.		WHEN ADMITTED.		AT FIRST ATTACK.		AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital, . . . . .	8	5	13	-	-	-	1	-	1
15 years and less, . . . . .	2	2	4	1	5	6	-	-	-
From 15 to 20 years, . . . . .	15	9	24	4	8	12	-	-	-
20 to 25 years, . . . . .	26	16	42	30	19	49	3	1	4
25 to 30 years, . . . . .	29	31	60	38	29	67	6	3	9
30 to 35 years, . . . . .	30	16	46	35	22	57	8	3	11
35 to 40 years, . . . . .	27	19	46	32	30	62	4	2	6
40 to 50 years, . . . . .	31	33	64	47	41	88	10	7	17
50 to 60 years, . . . . .	22	23	45	24	29	53	7	7	14
60 to 70 years, . . . . .	15	16	31	28	24	52	11	11	22
70 to 80 years, . . . . .	14	7	21	14	14	28	12	8	20
Over 80 years, . . . . .	-	3	3	6	7	13	1	6	7
Totals, . . . . .	219	180	399	259	228	487	63	49	112
Unknown, . . . . .	46	55	101	6	7	13	27	12	39
Totals, . . . . .	265	235	500	265	235	500	90	61	151
Mean known ages (in years), . . . . .	38.3	39.6	38.9	42.1	42.4	42.2	49.7	57.6	53.6
Totals, . . . . .							52.8	60.5	56.6

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

PREVIOUS DURATION.	FIRST ADMITTED TO ANY HOSPITAL.		
	Males.	Females.	Totals.
Congenital, . . . . .	10	5	15
Under 1 month, . . . . .	57	41	98
From 1 to 3 months, . . . . .	43	47	90
3 to 6 months, . . . . .	21	18	39
6 to 12 months, . . . . .	16	14	30
1 to 2 years, . . . . .	21	14	35
2 to 5 years, . . . . .	29	24	53
5 to 10 years, . . . . .	15	6	21
10 to 20 years, . . . . .	10	11	21
Over 20 years, . . . . .	3	4	7
Total, . . . . .	225	184	409
Unknown, . . . . .	40	51	91
Total, . . . . .	265	235	500
Average known duration in years, .	1.95	1.92	1.93





II. — Discharges of the Insane, classified by Admissions and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			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, . . . . .	54	42	96	27	29	56	22	16	38	8	27	35	2	1	3	80	49	129	193	164	357
Second, . . . . .	5	6	11	1	2	3	2	4	6	1	3	4	1	-	1	7	8	15	17	23	40
Third, . . . . .	2	4	6	-	1	1	1	2	3	-	-	-	-	-	-	1	1	2	4	8	12
Fourth, . . . . .	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	1	2	3	1	3	4
Fifth, . . . . .	-	1	1	-	-	-	1	-	1	-	-	-	1	-	1	-	1	1	2	2	4
Seventh, . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Eighth, . . . . .	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1	2	-	2
Total cases, . . . . .	61	54	115	29	32	61	26	23	49	9	30	39	4	1	5	90	61	151	219	201	420
Total persons, . . . . .	61	54	115	29	32	61	26	23	49	9	29	38	4	1	5	90	61	151	219	200	419
First admitted to any hospital, . . . . .	48	41	89	23	26	49	22	15	37	8	25	33	1	1	2	79	44	123	181	162	343











13. — 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, . . . . .	28	16	44	10	2	12	4	—	4	—	—	—	2	—	2
From 1 to 3 months, . . . . .	9	11	20	18	13	31	15	8	23	1	1	2	4	2	6
3 to 6 months, . . . . .	3	4	7	9	10	19	9	9	18	1	1	2	—	3	3
6 to 12 months, . . . . .	—	1	1	8	9	17	8	12	20	2	4	6	4	6	10
1 to 2 years, . . . . .	1	2	3	2	1	3	4	3	7	2	3	5	2	4	6
2 to 5 years, . . . . .	—	—	—	1	1	2	1	1	2	1	3	4	1	2	3
5 to 10 years, . . . . .	—	1	1	—	1	1	—	2	2	—	—	—	—	—	—
10 to 20 years, . . . . .	—	1	1	—	—	—	—	1	1	—	—	—	—	—	—
Over 20 years, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Totals, . . . . .	41	36	77	48	37	85	41	36	77	8	12	20	13	17	30
Unknown, . . . . .	7	1	8	—	—	—	7	1	8	—	5	5	—	—	—
Totals, . . . . .	48	37	85	48	37	85	48	37	85	13	17	30	13	17	30
Average of known cases (in months),	1.07	8.17	4.62	4.06	6.14	5.10	5.3	15.5	10.2	29.6	14.4	22.0	11.0	12.8	11.9







