

Forty-third annual report of the Trustees of the Northampton Lunatic Hospital, for the year ending September 30, 1898.

Contributors

Northampton Lunatic Hospital.
Butler, Sarah M.
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FORTY-THIRD ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON LUNATIC HOSPITAL,

FOR THE

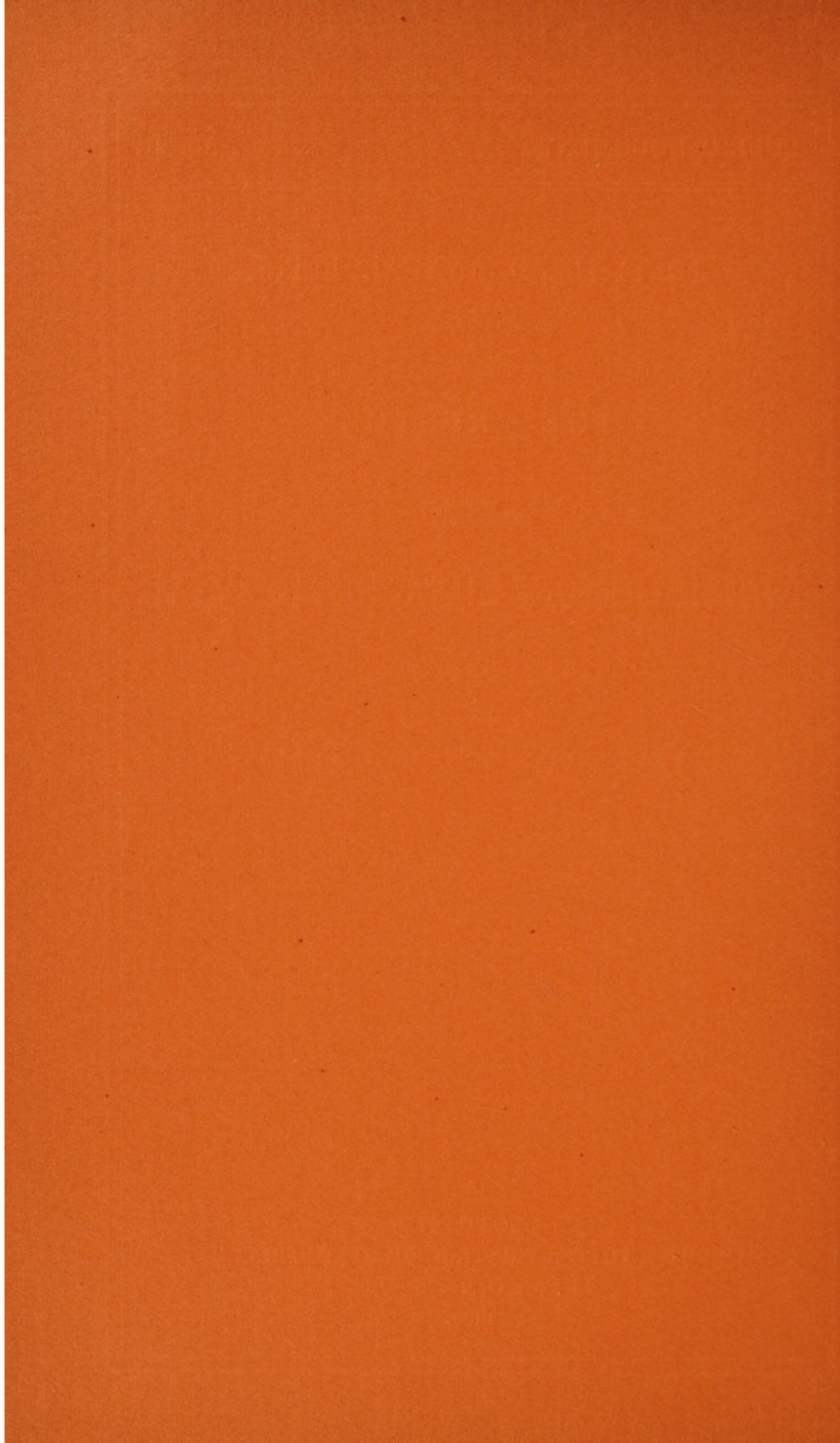
YEAR ENDING SEPTEMBER 30, 1898.

BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1899.



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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

Mrs. SARAH M. BUTLER,	NORTHAMPTON.
WILLIAM D. MacINNES, Esq.,	PITTSFIELD.
LYMAN D. JAMES, Esq.,	WILLIAMSBURG.
Hon. ELISHA MORGAN,	SPRINGFIELD.
Hon. ALVAN BARRUS,	GOSHEN.
F. W. CHAPIN, M.D.,	SPRINGFIELD.
Mrs. SARAH A. WOODWORTH,	CHICOPEE.

RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	<i>Superintendent.</i>
CHARLES M. HOLMES, M.D.,*	<i>Assistant Physician.</i>
PAYN B. PARSONS, M.D.,	<i>2d Assistant Physician.</i>
EMMA W. MOOERS, M.D.,	<i>Female Physician.</i>
JUSTUS G. HANSON, M.D.,	<i>Junior Assistant.</i>
LEWIS F. BABBITT,	<i>Clerk.</i>
IDA A. PORTER,	<i>Matron.</i>
JOHN MERCIER,	<i>Farmer.</i>
WALTER I. DODGE,	<i>Engineer.</i>

TREASURER.

LEWIS F. BABBITT,	NORTHAMPTON.
-----------------------------	--------------

Office at the Hospital.

* Died Oct. 7, 1898.

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

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

The trustees of the Northampton Lunatic Hospital respectfully submit the forty-third annual report of its business affairs for the year ending Sept. 30, 1898, together with the reports of the superintendent and treasurer, to which reference is made for a more particular account of the operations which are in the immediate charge and supervision of those officers.

In the report for the year ending Sept. 30, 1897, the need of further alterations and improvements in the central portion of the hospital, including the apartments occupied by the resident officers, was referred to; and with a view to the execution of the work therein set forth the trustees applied to the General Court for an appropriation of \$46,250 for improvements in the hospital buildings and its equipment.

An appropriation was made in March, 1898, as follows, to wit:—

In administration building, first floor, new dispensary, enlarging the dining-room for employees; second floor, dining-room for assistants, work room, library, laboratory, corridor leading to new chapel; third floor, six rooms for sleeping and work rooms, corridor leading to balcony of new chapel; in rotunda, new floors, fire-proof stairways, ventilation flues, not exceeding \$33,750. In basement, renovating store-room, constructing food cars and car tracks, scullery and morgue, not exceeding \$5,000. Addition to south wing closets, lavatories and baths not exceeding \$3,500. Equipment of laboratory

with scientific instruments not exceeding \$750. Pumping plant, and addition to electric plant for heating flatirons and lighting purposes not exceeding \$2,000, making a total of \$15,000.

The work contemplated by the appropriation is now in progress and it is likely to be completed in June, 1899.

The trustees included in the application for an appropriation the cost of a passenger elevator, which was not made by the Legislature. In the opinion of the trustees it was thought best to put in an elevator while the changes in the central portion of the building were being made, as it was part of the general plan and could be done better and at less cost now rather than to defer it longer, when new plans might involve a larger expense. A contract has been made for an elevator for \$1,235, which sum will be paid from the funds of the hospital.

NEW BUILDINGS NEEDED.

The products of the farm have greatly increased since the present barns were erected, and they are now inadequate for the storage of the hay and other crops.

The stable for cows and cattle is now in the basement of the hay barn and is not properly ventilated. Several cows have died from disease, as a result of being kept in poorly lighted and ventilated quarters.

A new hay barn, equal to the capacity of the present building, is needed, and ought to be built during the early summer of 1899, in connection with a new stable for one hundred and fifty animals, cows and cattle. This is about 50 per cent. more than our present number, but the products of the farm are ample for feeding them. As the number of patients in the hospital increases, more milk is needed, and with the additional stable room young cattle can be profitably fattened, with the products of the farm, for slaughter on the premises, to supply, in part, meat for the hospital.

The hospital needs a building for cold storage, with a capacity for storing 1,000 barrels of apples, 3,000 barrels of potatoes, and other vegetables, products of the farm, and for the storage of fresh meat, butter and eggs.

The trustees have made an investigation and recommend what is known as the absorption system of cold storage. From

preliminary estimates the cost of the building and equipment would be about \$15,000.

A large saving to the hospital could be made in these products with such a plant.

IMPROVEMENTS.

Since our last report several improvements then contemplated have been completed. The addition to the south wing for toilet and bath purposes has been built; the electric pump has been in operation since January, supplying the water for the centre building and wings occupied by patients, rather more than one-third of the total amount used by the institution; and since February the flat-irons in the laundry, heated by electricity, have been in successful operation.

PAVILION.

An attractive and spacious pavilion for the use of the patients, with an enclosure 30 by 50 feet, with a large fire-place, is now in process of construction on the hospital grounds. This building is the gift of Miss Martha Eastman of Amherst.

FINANCIAL STATEMENT.

The report of the treasurer shows that we have paid from the funds of the hospital during the year : —

For ordinary repairs,	\$1,448 72
For new work and improvement,	10,044 84
Cash assets Sept. 30, 1898,	28,380 23
Liabilities,	12,496 78
Balance,	15,883 45

PERSONAL.

There have been several changes in the staff during the past year, as follows : —

Dr. Jane R. Baker resigned in November, 1897, to take a similar position in the Tewksbury Asylum, and Dr. Emma W. Mooers, who has had experience at the Kalamazoo, Mich., Insane Hospital and at the Worcester Lunatic Hospital, was chosen to fill the vacancy.

Dr. J. G. Hanson was chosen to succeed Dr. Wm. H. Coon, whose term expired in July.

Miss Ida A. Porter was engaged to succeed Miss S. Emma Hines as matron.

The trustees take pleasure in testifying to the excellent condition of the hospital, and to the efficiency of all its officers in the conduct of the business affairs of the hospital, and in the care of its patients.

SARAH M. BUTLER.
WILLIAM D. MACINNES.
L. D. JAMES.
ELISHA MORGAN.
ALVAN BARRUS.
F. W. CHAPIN.
SARAH A. WOODWORTH.

OBITUARY.

Since our report was written we have lost, by the death of Dr. Charles M. Holmes, the first assistant physician, a competent officer and skilful physician. He was devoted to his profession and to the interests of the hospital and its patients. Dr. Holmes came to the hospital in June, 1889; he died of typhoid fever, after a brief illness, Oct. 7, 1898.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1898.

Superintendent and physician,	per year, \$2,500 00
Assistant physician,	" 1,200 00
Assistant physician, second,	" 800 00
Female physician,	" 800 00
Junior assistant,	" 400 00
Treasurer and clerk,	" 1,500 00
Matron,	" 450 00
Farmer,	" 780 00
Engineer, house rent and partial board,	" 1,100 00
Assistant clerk,	per month, 30 00
Supervisor (male),	" 50 00
Supervisor (female),	" 30 00
Assistant supervisor (female),	" 25 00
Seamstress,	" 25 00
Assistant seamstress,	" 18 00
Laundress,	" 18 00
Laundryman, without board,	" 60 00
Assistant laundresses, with partial board (2),	" 22 00
Baker,	" 45 00
Assistant baker,	" 25 00
Steward,	" 50 00
Assistant steward, with partial board,	" 50 00
Attendants (male, 7),	" 30 00
Attendants (male, 4),	" 25 00
Attendants (male, 4),	" 23 00
Attendants (male, 7),	" 21 00
Attendants (female, 6),	" 20 00
Attendants (female, 5),	" 16 00
Attendants (female, 6),	" 14 00

Housework, centre (female),	per month, \$	17 00
Housework, centre (female, 2),	"	16 00
Cook (female),	"	20 00
Assistant cook (female),	"	16 00
Farmer's dining-room (female),	"	16 00
Housework, rear building (female),	"	16 00
Kitchen help (4),	"	16 00
Watchman,	"	30 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Painter,	per month,	50 00
Assistant painter,	per day,	1 50
Gardener (2),	per month,	30 00
Assistant engineer,	"	30 00
Fireman,	"	30 00
Coachman,	"	30 00
Car boy,	"	25 00
Florist, without board,	"	50 00
Farm hands (2),	"	30 00
Farm hands (3),	"	25 00
Farm hands (2),	"	20 00
Farm hand,	"	23 00
Utility,	"	30 00

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1898.

Live stock on farm,	\$8,277 00
Products of farm on hand,	10,195 44
Carriages and agricultural tools,	3,558 00
Machinery and mechanical fixtures,	14,860 00
Beds and bedding in inmates' department,	12,500 00
Other furniture in inmates' department,	8,250 00
Personal property of State in superintendent's department,*	7,500 00
Ready-made clothing,	1,271 32
Dry goods,	1,045 80
Bedding,	296 98
Small wares,	365 85
Miscellaneous,	1,074 81
Provisions and groceries,	2,420 00
Drugs and medicines,	667 30
Fuel,	204 40
Library,	1,000 00
Paints and oils,	500 00
	<hr/>
	\$73,987 75

* This term is here applied to the whole of the central edifice or block, and includes all the offices, the kitchen, the bakery, the laundry, the sewing-room and other departments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I respectfully submit the following report of the finances of this institution for the year ending Sept. 30, 1898 :—

ASSETS.

Four hundred and ninety-three acres of land, .	\$53,000 00
Hospital building,	450,000 00
Farm-house, \$1,700 ; brick house, \$1,700, .	3,400 00
Three dwellings,	2,000 00
Storehouse and shops,	20,000 00
Two barns,	4,000 00
Horse stable,	1,900 00
Lumber-house,	850 00
Pump-house,	650 00
Cart shed,	400 00
Piggery,	3,000 00
Fire-proofs for oils and paints,	500 00
Two ice-houses,	400 00
	<hr style="width: 10%; display: inline-block; vertical-align: middle;"/> \$540,100 00

PERSONAL ESTATE.

Stocks and supplies as per inventory,	\$73,987 75
---	-------------

RECEIPTS.

Cash on hand Sept. 30, 1897,	\$1,866 11
Receipts from State treasurer,	9,386 08
from towns,	66,652 04
from individuals,	22,490 08
from sales,	8,329 18
from interest,	159 00
Cash belonging to patients,	801 91
	<hr style="width: 10%; display: inline-block; vertical-align: middle;"/> \$104,684 40

PAYMENTS.

Salaries and wages,	\$37,579 92
Provisions and supplies:—	
Meats of all kinds,	\$6,116 18
Fish of all kinds,	1,294 61
Fruit and vegetables,	2,450 06
Flour (780 barrels),	4,148 00
Grain and meal for table,	298 48
Tea, coffee and chocolate,	1,022 20
Sugar and molasses,	2,339 13
Grain and meal for stock,	3,161 40
Butter and cheese,	4,377 40
Other groceries,	2,092 53
All other provisions,	1,202 66
	<hr/>
	28,502 65
Clothing,	2,511 83
Fuel and lights,	7,023 46
Medicine and medical supplies,	1,214 69
Furniture, beds and bedding,	2,403 90
Transportation and travelling expenses,	757 88
Ordinary construction and repairs,	1,448 72
Farm stock,	\$408 19
Farm supplies,	2,092 76
Water,	1,488 10
Minor expenses,	2,512 07
Contingencies,	1,042 00
	<hr/>
	7,466 12
Total current expenses,	\$88,909 17
Extraordinary expenses,	\$10,044 84
Paid loan,	4,030 00
Cash refunded patients,	447 99
	<hr/>
	14,522 83
	<hr/>
	\$103,432 00
Cash on hand Sept. 30, 1898,	1,252 40
	<hr/>
	\$104,684 40

RESOURCES.

Cash on hand,	\$1,252 40
Due from Commonwealth,	2,405 93
from cities and towns,	17,754 21
from individuals,	6,967 69
	<hr/>
	\$28,380 23

LIABILITIES.

Salaries and wages due Oct. 1, 1898,	\$3,224 02
Miscellaneous bills due,	8,201 96
Patients' money,	1,070 80
	<hr/>
	\$12,496 78

SUMMARY.

Total receipts,	\$104,684 40
Total payments,	103,432 00
<hr/>	
Cash on hand Sept. 30, 1898,	\$1,252 40
Total liabilities,	\$12,496 78
Total debts due institution,	28,380 00
Total expenditures,	103,432 00
Deducting from the total expenditure,	\$103,432 00
The extraordinary expenses,	\$10,044 84
Paid on loan account,	4,030 00
Cash refunded patients,	447 99
<hr/>	
	14,522 83
<hr/>	
We have the current expenses,	\$88,909 17
Adding to the current expenses the decrease of personal assets,	\$1,301 25
We have the annual cost of each patient,	165 17
Making the average weekly expenditure,	3 18

LEWIS F. BABBITT,

Treasurer.

I have examined, as auditor, the accounts of the treasurer, and found a satisfactory voucher for every entry.

LYMAN D. JAMES,

Auditor.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The forty-third annual report of the operations of the hospital is hereby respectfully submitted.

At the beginning of the year Oct. 1, 1897, there were in the hospital 522 patients. Within the year 213 were admitted and 172 were discharged, leaving 563 at the end of the year, who were supported as follows: by the State, 60; by towns, 405; by relatives and friends, 98.

The smallest number of patients on any one day was 515; the largest 565. The daily average was 546.16, a little larger than for 1896-97.

ADMISSIONS AND DISCHARGES.

The number of patients admitted during the year, not counting those transferred from other hospitals, is the largest in the history of the hospital, but this does not necessarily mean that insanity is increasing in proportion to the population. Of the 213 admissions only 158 were new cases, which is less than the annual average of first admissions for the last four years. The number of cases admitted who have been here before, 55, is larger this year than ever before. They should be left out of any consideration of increase of insanity. Many of these re-admitted cases were patients who were discharged, unimproved, at the solicitation of friends, who afterward found that they could not be kept at home; 8 of them were returned from almshouses; 6 were cases that were first committed more than twenty-five years ago.

Of the admissions about 66 per cent. came from the larger centres of population, 33 per cent. were of foreign birth, and about 60 per cent. were of foreign parentage. In nearly 50 cases intemperance and dissipation in various forms were the

principal causes of insanity, while the physiological change incident to old age was the cause in 25 cases.

Because of the age, the duration of insanity and the nature of the disease, we were obliged to make an unfavorable prognosis in nearly 50 per cent. of the cases on the day of admission. On admission 21 cases were over sixty years old; 8 were over seventy years old; and 4 were over eighty years old. In 64 cases insanity had existed from one year to twenty years or more; 10 cases were insane from birth; 98 cases were of an incurable form of mental disease.

Two cases figure in the admissions (also in the discharges, as unimproved) who were committed to the hospital but were never admitted, the Attorney-General giving an opinion that "physical commitment" is not required. It would not require many such cases to make the tables of statistics worthless for purposes of comparison and deduction.

There seems to be statistical proof that insanity is increasing faster relatively than the general population is, but the following table compiled from our records shows that the number of admissions of new cases from the four western counties of Massachusetts is only a little larger than it was thirty-five years ago:—

Showing Proportion of New Cases admitted to the Population of the Four Western Counties.

	1865-70.	1875-80.	1885-90.	1890-95.
Average yearly admissions of new cases (five-year periods),	68.8	70.6	112.8	132.2

	1870.	1880.	1890.	1895.
Population of the four western counties, . . .	220,259	256,406	307,290	333,915
Number of insane for each 10,000 of population, .	3.12	2.75	3.67	3.96

I believe that this increase is due largely to the fact that many cases are now brought to the hospital who would have been cared for at home thirty years ago. For instance, there has been a marked increase in the number of old people who are brought to the hospital for care, as the following table shows:—

Number of Patients admitted who were over Seventy Years of Age.

YEARS.	No. of Old People admitted.	Total No. of New Cases admitted.
1868 to 1873,	10	826
1873 to 1878,	13	569
1878 to 1883,	18	496
1883 to 1888,	26	571
1888 to 1893,	52	634
1893 to 1898,	76	779

It is not to be supposed from this showing that there is an alarming increase in the number of old people who have become insane, but rather that more of them are brought to the hospital, as friends get more confidence in such institutions. It is a common occurrence for friends of patients to say, after they have become acquainted with the hospital, that they would have brought the patient sooner if they had known what kind of a place it is.

Of the 172 cases discharged, 20 were transferred to the Hospital for Epileptics at Monson; 12 were sent to other hospitals or from the State by the Board of Lunacy and Charity; 13 were taken to almshouses by overseers of the poor. Nearly all of these were unimproved. Of the others who were discharged, 40 were classed as recovered. Many others were considered well by their friends, but only those who had regained their physical health, had lost their delusions and had become wholly rational, with a fair prospect of their remaining well, were called recovered. No doubt some of these will give way under the same conditions that caused their insanity, if exposed to them.

Though hospitals are better equipped and methods of treatment are improved, though more personal attention is given to the cases, yet it is not to be expected that the percentage of recoveries will ever be much larger than at present. There is an increase in the number of hopeless cases admitted, as, for instance, the senile class mentioned before.

The number of deaths during the year was 49. Of those, 43 were suffering from an incurable form of mental disease; 26

were over seventy years of age, 6 being over eighty years of age. One patient who died had been here forty years, 1 thirty-nine years, and one thirty-one years.

MEDICAL WORK.

The medical work has continued along the lines mentioned in the annual report for last year. Each patient has been examined on admission as to the mental and physical condition. A report thereon, with a history of the patient before admission, and the record of the case after admission, is made at the regular meetings of the staff, which are held three times a week. Here the cases are discussed, diagnosis and prognosis being made. Interesting and unusual cases are brought before the staff in person.

Microscopical and chemical analyses have been made regularly by one of the junior assistants. Autopsies have been held whenever permission could be obtained from friends.

It is expected that within a few months the rooms for laboratory work will be finished.

During the last three months of the year the assistant physicians have lectured twice a week to the nurses, all the nurses being required to attend. Much interest has been shown by some of the nurses in this work and results already obtained approve the undertaking. In addition to the lectures, regular recitations and daily instruction in nursing will be given this year, as soon as a competent superintendent of nurses shall be obtained.

TREATMENT.

In the treatment of insanity we find that, apart from putting our patients into the best possible physical condition, the most efficacious means of treatment are the measures which influence the mental faculties.

The drugs used are tonics solely. Hypnotics and depressing drugs belong to the past. Thirty-four years ago Dr. Ray wrote as follows: "Who of us has not found himself driven to the conclusion, with a feeling of mortification, that after all our advances our medication in the treatment of insanity is no more successful than that of our fathers before us? If we have improved at all upon them, does not the improvement consist rather in discarding their favorite remedies than in substituting

better ones of our own? We see the folly of their emetics, their purges, their mercury, their bleedings and their blisters; but are we ready, with any degree of self-gratulation, to point to opium, or antimony, or hashish, or warm baths, as our means of triumphant success?" What he foresaw has come to pass. Physicians of to-day have discarded all the remedies he mentions except the baths.

No chronic case here receives a single dose of hypnotics, and very few are the acute cases that require them. During the year no chloral has been used, no opiate except for relief of pain or in acute inflammatory conditions, and no bromides except in several cases of epilepsy. We have used about eight doses of paraldehyde, about two ounces of sulphonal and three ounces of trional during the year. Conditions external to the patients, which require the use of such remedies at home, do not exist in the hospital.

The experience of medical officers of insane hospitals generally confirms the above statement, but the general public and even intelligent physicians outside of hospitals are rather incredulous.

I am moved to write the above because of several cases that have been admitted within a few weeks, suffering from the drugs given to induce quiet, who have improved immediately upon the withdrawal of the drugs. One of these, a young woman, who had been insane ten years, was brought here, to whom had been given, every night for months, a dose of chloral, — and in addition she had been tied in bed. We were assured by her friends that it would be necessary to continue that treatment here, but we have not yet seen the need of it, and her friends now remark upon her improved condition when they visit her. A man was brought here within three weeks under the influence of an opiate. It seemed doubtful if he could live till morning because of the stupor induced by the drug. Active measures were required for nearly twelve hours to arouse him and to prevent collapse. Now he is rapidly getting well enough to go home. A young woman was brought here within a few hours of this writing, suffering more from the medicine given her to quiet her till she should reach the hospital (it was very doubtful whether she would get here alive) than from the mental excitement which required her commitment.

Within a few months there has been no case of restraint or of seclusion. Early in the year a man was in seclusion because of persistent and strenuous efforts to push through the door every time it was opened, and to break through the windows. Another man was in restraint to prevent most determined efforts at suicide. A third man, a case of acute mania, required seclusion for a few days as a part of his treatment, the presence of others increasing his excitement. Two women have required restraint, each for a few days only, because of suicidal tendencies. The restraint seemed more beneficial than human control, and in one case it appealed to the sense of propriety of the woman's husband.

EMPLOYMENT, AMUSEMENTS, ETC.

Free use has been made during the year of those beneficial means of treatment; employment, diversion, amusement, etc.

A larger number of patients than ever before in the history of the hospital has been employed. Beside the routine work in laundry, kitchen, sewing-room, at the shops and on the farm, much extra work has been done. One man has been employed the whole year and two others all summer, whose duties were to take out men from the wards and work with them. They have constructed a foot path 5 feet wide and 1,900 feet in length, first excavating, then putting in a layer of stone and finishing at top with ashes and gravel. This piece of work involved much grading and relaying of turf. A long section of the driveway on the grounds has been repaired. A trench has been dug by them about 1,100 feet in length, for burial of wires running to the electric pump at the spring. About 300 feet of trench for sewer and for water pipes have been dug, also a cellar for the toilet-room addition to the south wing, 25 feet square and 6 or 8 feet deep, and the cellar for the addition to the main building, 25 feet by 76 feet. Patients have excavated and graded for the new pavilion being built and have removed about 1,000 cubic yards of soil from a cellar, 28 feet by 60 feet, 15 feet deep, for coal bunkers.

The work of transporting the soil thus removed has been done in hand carts rather than by team, in order to employ as many patients as possible. On some days more than 150 men have been employed outside of the wards. They are much

benefited by the work both mentally and physically, and most of them have been glad of the opportunity. Convalescents hasten their recovery by light employment.

Eight or 9 men have been employed on the carpentry of the new pavilion, to their manifest pleasure and pride, 3 of whom have gone home well since the beginning of the work.

Early in the spring the experiment was made of employing instructors from outside to take charge of classes in gymnastics. For the men, at first Mr. Martin, physical instructor of the Y. M. C. A., conducted a class of patients. Later an attendant, who had had experience in teaching Y. M. C. A. classes, was employed. For the women, Miss Berenson, teacher of gymnastics at Smith College, came twice a week to give lessons.

The exercises consisted of Swedish movements, of marching and of running games, including basket ball, which was played indoors at first and later on the lawn.

So much enthusiasm was developed by both instructor and patients that the trustees decided to devote a room to the purpose. The roof of the old chapel building has been raised one story and the room thus made will be furnished and used as a gymnasium.

It was noticeable that the exercises not only started the blood circulating freely, but also aroused and held the interest of the patients, especially in the cases of several patients who were in a state of inactivity and dulness, following an attack of acute melancholia or of acute mania. In several such cases the start toward recovery can be easily traced to this source.

Gatherings of all patients able to attend, from 300 to 375 in number, have been held regularly in the chapel. There has been preaching on every Lord's Day by one of the clergymen in town. The usual dances have been held weekly, beginning with Thanksgiving evening. On several occasions patients and employees gathered in an old-fashioned party, playing games as in our younger days.

On Memorial Day evening a very creditable entertainment was given by patients, attendants and officers, which was greatly enjoyed by the audience, but more, I think, by the participants in their planning and rehearsals for it. It consisted of patriotic songs, declamations and tableaux appropri-

ate to the day, closing with a well-executed flag drill by sixteen of the young women.

One of the entertainments was an instrumental concert by a band of sixteen members, whose leader was a former patient, who kindly volunteered their services.

The following is a detailed list of assemblies and entertainments for the year :—

Religious worship on	52 days.
Concerts on	7 evenings.
Elocution on	2 evenings.
Parties for whist, checkers and other games on .	2 evenings.
Old-fashioned party on	1 evening.
Tableaux, etc., on	1 evening.
Quadrille parties on	25 evenings.
Reading and lectures by some one of the staff on .	85 evenings.

FARM.

The farm has been well managed during the year and its usual excellent standard of productiveness has been maintained, as may be seen by reference to the table of farm products annexed to this report.

The hay crop nearly equalled that of last year, which was exceptionally large. The amount of potatoes this year was about twice as large as last year's crop, though falling short of the expectations warranted by the number of acres planted.

The apple crop, though larger than last year, was smaller than usual for the bearing year.

Several acres of land have been cleared of stumps, drained and cultivated during the year.

The demands upon the farm from the hospital have kept pace with the growth of the hospital, till now more room is required for the storage of products and of farming tools and vehicles, and better and larger accommodations for the herd of cattle, which can be profitably increased. The time for building a new barn, need of which has been spoken of in several of the yearly reports, should not be postponed much longer.

ACKNOWLEDGMENTS.

It is with pleasure that I record a beautiful gift from Miss Martha Eastman of Amherst, in memory of her sister who was a patient here.

In her visits to the hospital, observing the patients at walk about the grounds, she saw and appreciated the need of an objective point for their daily excursions, as well as a place of resort when conditions of the weather prevented use of the groves. Knowing that the Commonwealth provides liberally the necessary buildings for the care of those who must come here, and realizing how great a part diversion plays in the treatment of their disordered intellects, she felt it her privilege to provide for their pleasure a pavilion.

This is now being built and is nearly completed. It is well situated, beyond the grove in front of the hospital, overlooking Mill River valley and the town, with the college buildings in the foreground. Beyond are to be seen the Amherst hills, the range of Mount Holyoke in its entire length and nearly all of the Mount Tom range.

The building is solidly constructed, sheathed inside and outside. It is surrounded by a piazza on all sides, protected by an overhanging roof. Permanent seats are fixed all around against the wall, except at the entrances. The interior is a room 30 feet by 50 feet, well lighted by large windows. Opposite the front door is a large fire-place, built of field-stone, with jambs and arch of buff bricks.

The giver would be well repaid could she know the pleasure of the patients who have helped in the construction, and the interest shown by the women patients as they have passed in their daily walks. This is to be a place of daily resort by the women, and occasional social gatherings will be held there.

The following people are deserving of our hearty thanks for their kindness to the patients of the hospital: Mrs. L. A. Knowlton of Athol, the Guild of the Good Shepherd of the Second Unitarian Church of Athol, the girls of the Lawrence House of Smith College and Mr. S. E. Bridgman, for magazines; Mr. A. H. Schneidawind and band, the Misses Lord, the Smith College Banjo Club, Mr. Norris and the Episcopal choir, and Mr. Parenteau's family, for musical entertainments;

Miss Jessie Orr of Adams for a box of oranges and cakes at Christmas; the publishers of the "New England Zeitung," "The Christian Register" and the "Berkshire County Eagle," for regular copies of their papers. These papers are a welcome present to the hospital. Patients are gladdened by the sight of their home paper, as by an old friend.

In concluding this report I take pleasure in approving the officials associated with me for their unfailing interest in their work; and those who have the immediate care of the insane, for their faithfulness.

I thank your Board for your cordial advice, support and encouragement during the year.

JOHN A. HOUSTON.

OBITUARY.

Our first assistant, Dr. Charles M. Holmes, died Oct. 7, 1898. It seems fitting to add here a tribute to his faithful services to the hospital.

In the nine years of his residence here he had, by his devotion to the interests of the hospital and to the welfare of the patients, won the esteem of all who were associated with him.

He was an earnest student in the specialty which he had chosen for his life work and which he liked well, and was looking forward to the coming year with pleasure because of the better facilities for his work which he hoped to enjoy.

At the time of his death he was well equipped by study and experience to fill the position he occupied with credit, and to the advantage of the hospital.

Of a genial nature, he possessed many qualities which endeared him to the patients, and which engendered in the friends of patients a feeling of confidence in the institution.

By his death the hospital has lost a faithful officer; the officers, a loved associate; the patients, a friend.

DIETARY OF THE NORTHAMPTON LUNATIC HOSPITAL.

[There are two bills of fare, the first of which is supplied to the tables of about two hundred persons, and the second to those of somewhat over three hundred.]

BILL OF FARE No. 1.

BREAKFAST.

Monday. — Tea, coffee, broiled beefsteak, potatoes, warm rolls ("biscuit"), bread and butter.

Tuesday. — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.

Wednesday. — Tea, coffee, broiled beefsteak, potatoes and warm brown (rye and Indian) bread.

Thursday. — Tea, coffee, broiled beefsteak, potatoes, warm rolls, bread and butter.

Friday. — Tea, coffee, fried tripe,* potatoes, warm rolls, bread and butter.

Saturday. — Tea, coffee, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.

Sunday. — Tea, coffee, cold corned beef, potatoes, warm rolls, bread, butter and fried Indian corn pudding.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,† bread, butter, boiled rice with syrup or sugar.

Tuesday. — Vegetable soup, roast or stewed veal,‡ potatoes and one other vegetable,† bread, butter, and baked Indian pudding.

Wednesday. — Either fried or baked fresh fish or boiled mutton, potatoes and one other vegetable,† bread, butter, and berry or apple pudding, with sauce.§

Thursday. — Vegetable soup, corned beef, potatoes and one other vegetable,† bread, butter, and boiled suet pudding with syrup.

* Tripe is replaced in winter by sausages, and in spring by fried ham and eggs, except in the season of shad, when that fish is given once each week instead of ham and eggs, and once instead of beefsteak.

† At least three vegetables during the summer.

‡ Substituted in winter by fresh pork ribs, roasted.

§ In spring, maple syrup is used as sauce for puddings.

Friday. — Either boiled or roasted mutton* or stewed or roasted veal, potatoes and one other vegetable,† bread, butter, and tapioca pudding or raisin pudding of either rice, bread or cracker.

Saturday. — Baked beans, corned beef, potatoes and one other vegetable,‡ pickles, bread, butter, and baked bread pudding.

Sunday. — Cold corned beef, potatoes, warmed baked beans, pickles, bread, butter, and pies, the kind varying with the season.

SUPPER.

Monday. — Tea, bread, warm corn cake, butter, hard gingerbread and a relish.‡

Tuesday. — Tea, white bread, graham bread, butter, soft gingerbread and a relish in the warm season, substituted by buckwheat cakes in the cold season.

Wednesday. — Tea, bread, butter, pie (the kind varying with the season) and ginger snaps and a relish.

Thursday. — Tea, bread, butter, cookies and cheese.

Friday. — Tea, bread, butter, cake (the kind varying) and a relish.

Saturday. — Tea, bread, butter, doughnuts and cheese.

Sunday. — Tea, bread, butter, cookies and ginger snaps and blanc-mange or corn starch.

Extra. — In the winter and spring months hulled corn at supper, once in two weeks, on Saturdays.

BILL OF FARE No. 2.

BREAKFAST.

Monday. — Coffee, cold corned beef, potatoes and bread.

Tuesday. — Coffee, cold roast beef, potatoes and bread.

Wednesday. — Coffee, meat stew, potatoes and warm rye and Indian corn brown bread.

Thursday. — Coffee, picked codfish cooked in milk, potatoes and bread.

Friday. — Coffee, cold corned beef or meat stew, potatoes and bread.

Saturday. — Coffee, hash, either of meat or fish, and bread.

Sunday. — Coffee, cold baked beans, potatoes and bread.

Butter is used in two halls in the morning.

DINNER.

Monday. — Roast beef, potatoes and one other vegetable,‡ boiled hominy with molasses and bread.

* Substituted by stewed oysters in winter and spring, with some kind of roasted meat for those who prefer it.

† At least three vegetables during the summer.

‡ This term, used for the want of a better, includes dried beef, berries, baked apples, apple sauce and canned fruits, all of which are supplied, and each according to the season.

Tuesday.—Vegetable soup, potatoes and one other vegetable,* baked Indian pudding † and bread.

Wednesday.—Boiled fresh fish with drawn-butter sauce, potatoes and one other vegetable,* boiled hasty pudding with molasses and bread.

Thursday.—Vegetable soup, potatoes, cabbage or some other vegetable,* boiled rice with molasses ‡ and bread.

Friday.—Boiled codfish with drawn-butter sauce, potatoes, beets or some other vegetable, boiled hasty pudding with molasses and bread.

Saturday.—Hot baked beans, potatoes, baked Indian or bread pudding, pickles and bread.

Sunday.—Cold corned beef, potatoes, pies (the kind varying with the season) and bread.

SUPPER.

Monday.—Tea, bread and butter.

Tuesday.—Tea, bread, butter, and soft gingerbread.

Wednesday.—Tea, bread, butter, and some kind of relish.

Thursday.—Tea, bread and butter.

Friday.—Tea, bread, butter, and soft gingerbread.

Saturday.—Tea, bread and butter, sauce.

Sunday.—Tea, bread and butter.

EXTRAS.

In August and September these tables are furnished at supper with either berries, tomatoes or baked apples, as many as five times a week.

In four halls, sauce, of either fresh or dried apples, is furnished as often as three times a week for the rest of the year.

EXTRAS FOR THE WHOLE HOUSEHOLD.

All persons have roasted turkey at dinner on Thanksgiving Day and on Christmas, with vegetables, celery, cranberry sauce, pudding, pie and cider.

From four to five bushels of green sweet corn in the ear is consumed in its season, daily, with the exception of Sunday.

Tomatoes, cucumbers and melons are furnished in liberal quantities in their season.

In the spring, cowslips and dandelions are largely used as greens, and horse-radish as a condiment.

During eight months of the year apples are distributed, daily, among the patients.

Beef tea, chicken broth, mutton broth, scalded milk, arrow-root gruel oatmeal gruel, milk punch, cracked wheat, oatmeal porridge, dry toast milk toast, toast with dropped egg and boiled eggs, for invalids and all who are not able to take the regular fare.

* At least three vegetables in the summer.

† All baked puddings for the whole household are made with milk.

‡ Maple syrup is furnished, in place of molasses, three or four times in the spring.

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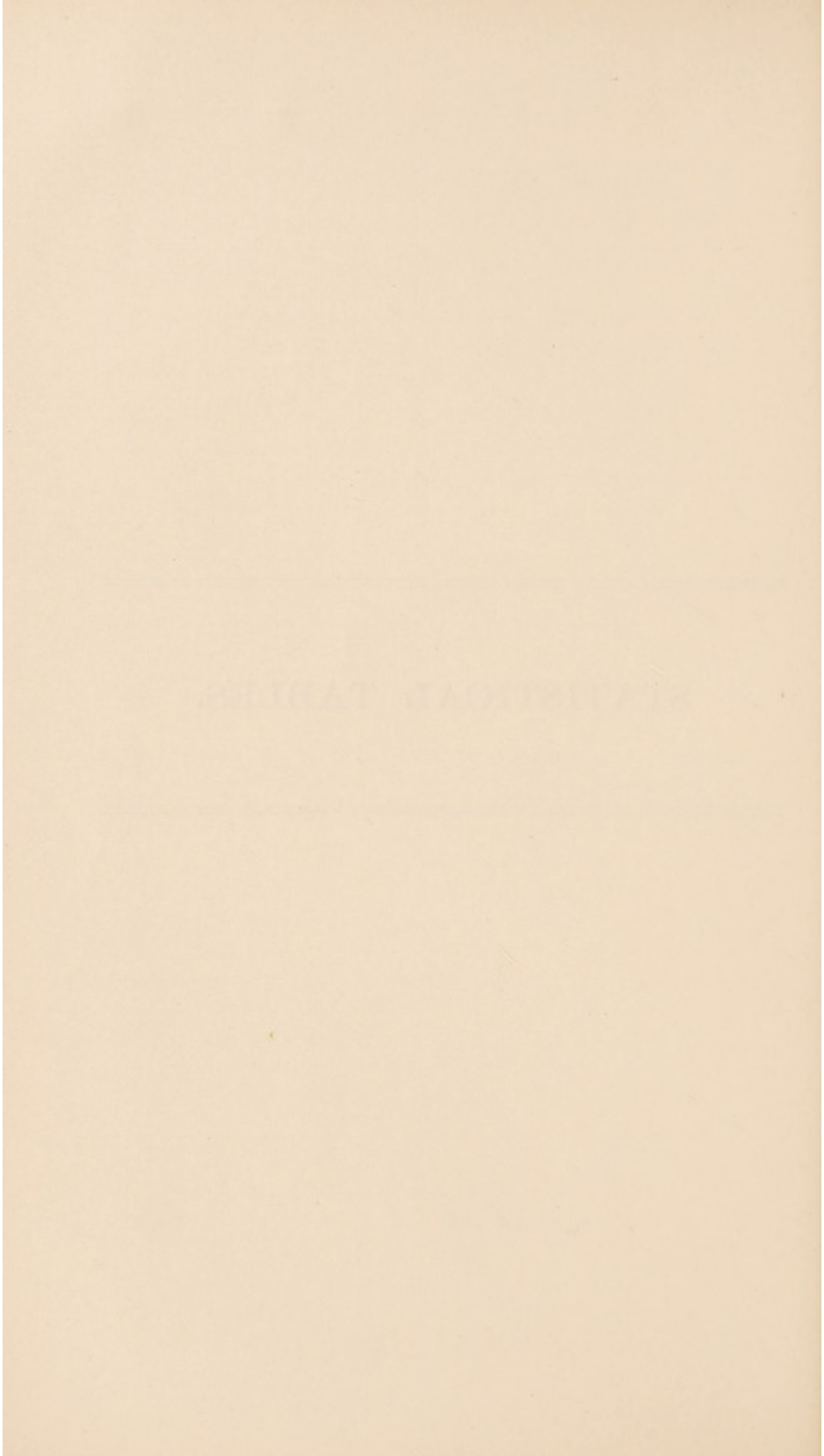
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STATISTICAL TABLES.



STATISTICAL TABLES.

1. — General Statistics of the Year.

	Males.	Females.	Totals.
Patients in the hospital Oct. 1, 1897,	268	254	522
Admitted within the year,	111	102	213
Whole number of cases within the year,	379	356	735
Viz.: insane,	377	354	731
voluntary,	1	—	1
habitual drunkards,	1	—	1
addicted to opium habit,	—	2	2
Discharged within the year,	96	76	172
Viz.: as recovered at the time of leaving the hospital,	23	17	40
as much improved,	10	9	19
as improved,	8	10	18
as not improved,	21	22	43
voluntary cases,	1	—	1
habitual drunkards,	1	—	1
addicted to opium habit,	—	1	1
Deaths,	32	17	49
Patients remaining Sept. 30, 1898,	283	280	563
Viz.: supported as State patients,	40	20	60
town patients,	204	201	405
private patients,	39	59	98
Number of different persons within the year,	373	351	724
Persons admitted,	111	101	212
Persons recovered,	23	17	40
Daily average number of patients,	279.44	266.72	546.16
Viz.: State,	42.08	21.26	63.34
town,	199.21	192.45	391.66
private,	38.15	53.01	91.16

2. — *Monthly Admissions, Discharges and Averages.*

MONTHS.	ADMISSIONS.			DISCHARGES.			DEATHS.			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1897.												
October,	12	8	20	11	8	19	1	—	1	265.42	253.32	518.74
November,	16	7	23	4	3	7	—	—	—	275.43	256.43	531.86
December,	11	8	19	2	2	4	5	—	5	283.22	261.29	544.51
1898.												
January,	4	10	14	5	3	8	—	1	1	282.77	263.00	545.77
February,	4	11	15	3	4	7	2	1	3	283.21	271.79	555.00
March,	8	2	10	1	2	3	6	—	6	283.16	274.97	558.13
April,	11	8	19	2	2	4	4	4	8	284.87	275.23	560.10
May,	10	7	17	3	3	6	6	3	9	287.35	275.26	562.61
June,	4	12	16	15	25	40	1	4	5	277.73	263.07	540.80
July,	10	10	20	9	3	12	2	2	4	272.61	264.58	537.19
August,	11	10	21	4	4	8	3	2	5	280.10	268.35	548.45
September,	10	9	19	5	—	5	2	—	2	277.63	273.87	551.50
Total of cases,	111	102	213	64	59	123	32	17	49	—	—	—
Total of persons,	111	101	212	64	58	122	—	—	—	—	—	—
Daily average,	—	—	—	—	—	—	—	—	—	279.44	266.72	546.16

3. — *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	83	75	158	—	—	—
Second,	19	20	39	4	5	9
Third,	5	6	11	3	4	7
Fourth,	2	1	3	3	3	6
Fifth,	1	—	1	2	—	2
Eighth,	1	—	1	5	—	5
Total of cases,	111	102	213	17	12	29
Total of persons,	111	101	212	—	—	—

4. — *Relation to Hospital of Persons admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane,	81	74	155
Former inmates of this hospital only,	26	22	48
of other hospitals only,	2	1	3
of this and other hospitals,	2	5	7
Total of cases,	111	102	213
Total of persons,	111	101	212

5. — *Residence of Persons admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	23	22	45
Hampden County,	52	48	100
Berkshire County,	27	24	51
Franklin County,	9	7	16
Totals,	111	101	212
Cities or towns,	72	69	141
Country districts,	39	32	71
Totals,	111	101	212

6. — *Nativity and Parentage of Persons admitted.*

PLACES OF NATIVITY.	PATIENTS.			PARENTS.					
	Ma.	Fe.	Tot.	MALES.		FEMALES.		TOTALS.	
				Fa.	Mo.	Fa.	Mo.	Fa.	Mo.
Maine, . . .	—	3	3	—	—	3	3	3	3
New Hampshire, .	1	2	3	1	3	—	1	1	4
Vermont, . . .	7	5	12	4	2	4	3	8	5
Massachusetts, .	57	42	99	29	32	25	24	54	56
Rhode Island, . .	2	1	3	1	—	—	—	1	—
Connecticut, . .	1	4	5	3	3	2	4	5	7
New York, . . .	4	8	12	5	5	4	6	9	11
Virginia, . . .	1	—	1	1	1	—	—	1	1
West Virginia, .	1	—	1	—	—	—	—	—	—
Illinois, . . .	1	—	1	—	—	—	—	—	—
Canada, . . .	5	10	15	7	6	10	11	17	16
England, . . .	2	3	5	2	3	6	4	8	7
Ireland, . . .	16	17	33	43	41	35	34	78	75
Scotland, . . .	2	1	3	2	2	1	1	3	3
Austria, . . .	1	1	2	1	1	2	2	3	3
Australia, . . .	1	—	1	—	—	—	—	—	—
Bohemia, . . .	—	1	1	—	—	1	1	1	1
France, . . .	—	2	2	—	—	2	2	2	2
Germany, . . .	3	—	3	5	5	2	1	7	6
Hungary, . . .	1	—	1	1	1	—	—	1	1
Italy, . . .	2	—	2	2	2	—	—	2	2
Poland, . . .	1	—	1	1	1	—	—	1	1
Sweden, . . .	1	—	1	1	1	—	—	1	1
Switzerland, . .	—	1	1	—	—	1	1	1	1
Unknown, . . .	1	—	1	2	2	3	3	5	5
Totals, . . .	111	101	212	111	111	101	101	212	212

7. — Civil Condition of Persons admitted.

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	46	40	86	28	26	54	9	9	18	—	—	—	83	75	158
Second,	11	7	18	6	10	16	2	3	5	—	—	—	19	20	39
Third,	3	2	5	1	1	2	—	2	2	1	1	2	5	6	11
Fourth,	2	1	3	—	—	—	—	—	—	—	—	—	2	1	3
Fifth,	—	—	—	1	—	1	—	—	—	—	—	—	1	—	1
Eighth,	1	—	1	—	—	—	—	—	—	—	—	—	1	—	1
Totals of cases,	63	50	113	36	37	73	11	14	25	1	1	2	111	102	213
Totals of persons,	63	50	113	36	36	72	11	14	25	1	1	2	111	101	212

9. — *Occupation of Persons admitted.*

MALES.			
Baker,	1	Mill operatives,	6
Baggage masters,	2	Musician,	1
Book-keeper,	1	Marketman,	1
Brassworker,	1	Painter,	1
Butcher,	1	Peddler,	1
Carpenters,	2	Paper hanger,	1
Cigar maker,	1	Paper ruler,	1
Clerks,	2	Stone cutter,	1
Coachman,	1	Sailor,	1
Collector,	1	Salesman,	1
Cook,	1	Shoe cutter,	1
Farmers,	18	Steam fitter,	1
Foundryman,	1	Students,	2
Gardeners,	2	Teamsters,	2
Laborers,	31	Treasurer,	1
Manufacturers,	1	Tailors,	2
Mason,	1	Whip maker,	1
Machinists,	2	Unknown,	1
Mechanics,	3	No occupation,	10
Merchants,	2	Total,	111

FEMALES.			
Cooks,	2	School teachers,	2
Domestics,	8	Stenographer,	1
Dressmaker,	1	Weavers,	2
Housewives,	29	No occupation,	28
Housework,	18	Total,	101
Mill operatives,	10		

10. — Record of Cases admitted within the Year.

PATIENTS.	Males.	Females.	Totals.
Admitted,	111	102	213
Insane,	110	100	210
Dipsomania and opium habit,	1	2	3
Discharged recovered,	15	8	23
much improved,	4	4	8
improved,	1	5	6
not improved,	7	8	15
dipsomania and opium habit,	1	1	2
Died,	10	7	17
Remaining Sept. 30, 1898,	73	69	142
Number likely to recover or improve,	21	15	36

11. — *Ages of Insane at First Attack, Admissions and Deaths.*

AGES.	PERSONS FIRST ADMITTED TO ANY HOSPITAL.						PERSONS DIED.					
	AT FIRST ATTACK			WHEN ADMITTED.			AT FIRST ATTACK.			AT TIME OF DEATH.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	6	4	10	-	-	-	-	1	1	-	-	-
15 years and less, . . .	2	1	3	-	1	1	3	-	3	-	-	-
From 15 to 20 years, . .	6	5	11	4	5	9	-	-	-	-	-	-
20 to 25 years, . . .	12	16	28	12	10	22	3	2	5	2	1	3
25 to 30 years, . . .	12	6	18	11	10	21	1	2	3	2	-	2
30 to 35 years, . . .	11	8	19	12	8	20	4	1	5	1	-	1
35 to 40 years, . . .	6	11	17	9	11	20	4	3	7	2	4	6
40 to 50 years, . . .	7	11	18	14	15	29	1	3	4	3	3	6
50 to 60 years, . . .	6	2	8	5	4	9	4	2	6	4	1	5
60 to 70 years, . . .	6	3	9	6	2	8	4	2	6	7	4	11
70 to 80 years, . . .	4	4	8	7	6	13	3	-	3	7	2	9
Over 80 years,	1	3	4	2	3	5	2	1	3	4	2	6
Unknown,	4	1	5	1	-	1	3	-	3	-	-	-
Total of persons, . . .	83	75	158	83	75	158	32	17	49	32	17	49
Mean ages,	37+	37+	37+	41+	39+	40	44.5	39+	42.5	58+	56+	57+

12. — *Reported Duration of Disease before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO ANY HOSPITAL.			ALL OTHER ADMISSIONS.			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	6	4	10	-	1	1	6	5	11
Under 1 month,	21	11	32	5	7	12	26	18	44
From 1 to 3 months, . . .	9	7	16	3	2	5	12	9	21
3 to 6 months,	11	7	18	-	1	1	11	8	19
6 to 12 months, . . .	6	12	18	1	-	1	7	12	19
1 to 2 years,	6	7	13	1	2	3	7	9	16
2 to 5 years,	6	14	20	5	6	11	11	20	31
5 to 10 years,	4	7	11	2	2	4	6	9	15
10 to 20 years,	4	4	8	5	3	8	9	7	16
Over 20 years,	6	1	7	2	2	4	8	3	11
Unknown,	4	1	5	4	1	5	8	2	10
Total of cases,	83	75	158	28	27	55	111	102	213
Total of persons,	83	75	158	28	27	55	111	101	212
Average in years,	6.70	4.32	5.56	9.66	12.18	11.29	7.20	5.80	6.36

13. — *Form of Mental Disease in Cases admitted or discharged, with Condition on Discharge.*

FORM OF DISEASE.	CASES ADMITTED.			CASES DISCHARGED.												AGGREGATE.								
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			Males.	Females.	Totals.
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
A. — Insane: —																								
Mania, acute,	11	14	25	6	2	8	1	1	2	1	3	4	1	1	2	1	1	2	1	2	3	7	6	13
chronic,	11	10	21	2	2	4	1	1	2	1	1	2	1	1	2	4	3	7	10	7	17	10	7	17
recurrent,	4	3	7	2	3	5	1	1	2	1	1	2	3	1	4	4	3	7	2	2	4	14	2	16
toxic,	18	2	20	9	3	12	1	1	2	1	1	2	3	1	4	4	1	5	14	4	18	14	4	18
à potu,	2	1	3	2	1	3	1	1	2	1	1	2	1	1	2	1	1	2	2	1	3	2	1	3
puerperal,	2	2	4	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	10	3	13	10	3	13
Melancholia, acute,	16	15	31	4	7	11	4	4	8	1	4	5	1	1	2	1	1	2	10	15	25	10	15	25
chronic,	2	11	13	4	7	11	4	4	8	1	4	5	1	1	2	1	1	2	2	14	16	2	14	16
recurrent,	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
senile,	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Dementia, secondary,	11	7	18	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	7	8	15	7	8	15
senile,	8	9	17	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	9	11	20	9	11	20
organic,	3	3	6	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Primary delusional insanity,	5	9	14	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	4	2	2	4
Acute confusional insanity,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Congenital mental deficiency,	5	4	9	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	5	5	10	5	5	10
Epilepsy,	6	6	12	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	6	6	12	6	6	12
Paresis,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	4	2	2	4
Organic brain disease,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Circular insanity,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Acute delirium,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Idiocy,	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	2	2	4	2	2	4
Opium habit,	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Dipsomania,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Voluntary,	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Totals,	111	102	213	23	17	40	10	9	19	8	10	18	21	22	43	2	1	3	32	17	49	96	76	172

14. — Discharges, classified by Admission and Result.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			NOT IMPROVED.			NOT INSANE.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	16	13	29	9	7	16	7	6	13	17	16	33	1	—	1	27	13	40	77	55	132
Second,	3	3	6	1	1	2	—	1	1	3	3	6	—	1	1	3	4	7	10	13	23
Third,	1	1	2	—	—	—	1	2	3	1	3	4	1	—	1	—	—	—	4	6	10
Fourth,	1	—	1	—	1	1	—	1	1	—	—	—	—	—	—	1	—	1	2	2	4
Fifth,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	2	—	2
Eighth,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
Total of cases,	23	17	40	10	9	19	8	10	18	21	22	43	2	1	3	32	17	49	96	76	172
Total of persons,	23	17	40	10	9	19	8	10	18	21	21	42	2	1	3	32	17	49	—	—	—

15. — Causes of Death.

CAUSES.	Males.	Females.	Totals.
Exhaustion of mania, acute,	—	1	1
mania, acute and erysipelas,	—	1	1
melancholia, acute,	—	1	1
melancholia, acute and senility,	—	1	1
melancholia, chronic,	—	2	2
Apoplexy,	1	—	1
Embolism,	—	1	1
Epilepsy,	2	1	3
Epilepsy and tuberculosis,	2	—	2
Enteritis,	1	—	1
Gangrene of feet,	1	—	1
Senile gangrene,	1	—	1
Heart disease, valvular,	2	—	2
Heart disease and senility,	4	—	4
Malarial fever,	1	—	1
Nephritis,	2	—	2
Organic brain disease,	2	1	3
Paresis,	2	—	2
Pneumonia,	—	1	1
Pneumonia and senility,	4	—	4
Senile dementia,	5	3	8
Tuberculosis,	2	3	5
Cancer,	—	1	1
Totals,	32	17	49

16. — Recoveries, classified by Duration of Disease and of Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month,	15	8	23	—	—	—	—	—	—	—	—	—
From 1 to 3 months,	3	3	6	6	4	10	6	1	7	8	5	13
3 to 6 months,	—	2	2	4	3	7	7	3	10	4	6	10
6 to 12 months,	1	2	3	9	4	13	6	7	11	4	4	8
1 to 2 years,	—	1	1	1	1	2	3	5	8	5	2	7
2 to 5 years,	1	1	2	1	—	1	1	1	2	2	—	2
5 to 10 years,	—	—	—	—	—	—	—	—	—	—	—	—
10 to 20 years,	—	—	—	—	—	—	—	—	—	—	—	—
Unknown,	3	—	—	—	—	—	—	—	—	—	—	—
Totals,	23	17	40	23	17	40	23	17	40	23	17	40
Average of known cases (in months),	2.2	3.2	2.5	6.4	4.9	5.7	8.4	7.9	8.2	7.5	6.0	8.1

17. — Deaths, classified by Duration of Disease and Treatment.

PERIOD.	LAST ATTACK.						ALL ATTACKS.					
	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.			WHOLE KNOWN PERIOD OF MENTAL DISEASE.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
Under 1 month,	1	1	2	4	2	6	—	1	1	—	1	1
From 1 to 3 months,	3	2	5	1	—	1	—	1	1	—	—	—
3 to 6 months,	—	3	3	2	2	4	—	1	1	—	—	—
6 to 12 months,	2	3	5	8	6	14	2	1	3	1	1	2
1 to 2 years,	6	3	9	3	2	5	6	5	11	7	4	11
2 to 5 years,	6	—	6	6	1	7	8	1	9	8	2	10
5 to 10 years,	4	1	5	2	2	4	3	3	6	3	3	6
10 to 20 years,	4	1	5	3	2	5	3	2	5	3	2	5
Over 20 years,	6	3	9	3	—	3	10	2	12	10	2	12
Totals,	32	17	39	32	17	49	32	17	49	32	17	49
Average of known cases (in months),	191.	55.5	78.7	71.2	42.2	61.1	162.2	97.6	160.3	176.6	108.5	152.9
										82.1	45.2	69.3

20. — Operations of the Hospital, from the Beginning, in Each Year.

DISCHARGED AND DIED.																				
ADMITTED.			RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			NOT INSANE.			DIED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.		
1858,—2 months,	99	129	228	—	—	—	4	—	4	2	2	4	—	—	—	—	—	—		
1858-59,	46	47	93	18	15	33	9	9	18	7	5	12	—	—	—	7	12	19		
1859-60,	73	94	167	19	16	35	12	10	22	2	2	4	—	—	—	9	18	27		
1860-61,	71	53	124	18	17	35	14	14	28	4	7	11	—	—	—	15	15	30		
1861-62,	64	48	112	19	15	34	27	15	42	9	5	14	1	—	—	9	10	19		
1862-63,	70	68	138	12	16	28	16	10	26	4	3	7	—	—	—	19	7	26		
1863-64,	47	45	92	30	19	49	19	15	34	4	6	10	—	1	—	17	30	47		
1864-65,	70	64	134	17	16	33	14	15	29	8	5	13	—	—	—	17	24	41		
1865-66,	75	61	136	16	10	26	12	7	19	5	2	7	—	—	—	18	13	31		
1866-67,	61	77	138	24	18	42	15	13	28	6	7	13	—	—	—	23	24	47		
1867-68,	68	84	152	21	19	40	22	27	49	5	7	12	—	—	—	25	18	43		
1868-69,	84	85	169	31	18	49	23	33	56	20	38	58	—	—	—	13	12	25		
1869-70,	90	112	202	23	27	50	15	43	58	22	34	56	—	2	—	22	11	33		
1870-71,	109	102	211	16	27	43	23	41	64	31	30	61	—	—	—	16	12	28		
1871-72,	101	98	199	25	15	40	33	27	60	22	27	49	—	—	—	19	18	37		
1872-73,	102	79	181	19	29	48	37	22	59	23	29	52	—	1	—	13	8	21		
1873-74,	105	88	193	25	12	37	24	19	43	27	18	45	—	—	—	14	11	25		
1874-75,	75	78	153	16	13	29	21	24	45	17	21	38	—	—	—	23	18	41		
1875-76,	76	77	153	19	13	32	18	31	49	24	23	47	—	—	—	18	19	37		
1876-77,	68	71	139	15	18	33	8	13	21	15	17	32	—	—	—	21	21	42		

1877-78,	40	36	76	7	19	26	-	-	-	17	27	44	16	13	29	-	-	14	9	23	551	429
1878-79,	63	43	106	13	13	26	-	-	-	15	13	28	11	3	14	1	1	14	9	23	535	442
1879-80,	59	58	117	16	12	28	5	7	12	11	12	23	9	10	19	2	-	17	12	29	559	446
1880-81,	57	66	123	7	13	20	6	7	13	15	15	30	6	10	16	1	-	16	10	26	569	463
1881-82,	62	62	124	13	15	28	4	9	13	7	14	21	14	13	27	-	1	24	14	38	587	459
1882-83,	73	69	142	11	17	28	9	-	9	18	15	33	21	14	35	1	1	17	13	30	606	469
1883-84,	61	75	136	9	16	25	6	11	17	16	19	35	16	20	36	3	1	12	13	25	605	483
1884-85,	66	70	136	17	12	29	4	5	9	12	17	29	10	16	26	1	2	16	11	27	599	476
1885-86,	85	98	183	10	19	29	8	2	10	23	36	59	20	23	43	1	-	14	12	26	659	491
1886-87,	72	76	148	16	8	24	5	3	8	36	31	67	21	16	37	1	2	13	18	31	639	499
1887-88,	87	79	166	23	13	36	3	6	9	25	22	47	12	17	29	2	-	14	17	31	635	481
1888-89,	98	67	155	27	15	42	6	6	12	25	40	65	35	8	43	2	1	18	7	25	636	446
1889-90,	91	79	170	18	14	32	5	9	14	17	17	34	12	5	17	1	2	12	9	21	616	495
1890-91,	82	59	141	29	16	45	7	7	14	27	26	53	18	22	40	-	-	19	12	31	636	453
1891-92,	102	75	177	16	21	37	9	10	19	13	8	21	15	8	23	3	-	29	9	38	630	489
1892-93,	91	78	169	20	11	31	11	15	26	19	18	37	21	22	43	4	-	20	17	37	658	480
1893-94,	89	83	172	20	12	32	7	7	14	11	17	28	14	22	36	1	-	26	11	37	652	504
1894-95,	110	91	201	16	22	38	15	7	22	15	14	29	19	19	38	-	-	18	14	32	705	546
1895-96,	114	95	209	23	13	36	8	6	14	19	20	39	19	41	60	-	1	28	18	46	755	559
1896-97,	96	86	182	16	14	30	12	9	21	17	18	35	48	38	86	-	2	27	18	45	741	522
1897-98,	111	102	213	23	17	40	10	9	19	8	10	18	21	22	43	2	1	32	17	49	735	583

22. — *Classified Average of Patients.*

OFFICIAL YEAR.	State Patients.	Town Patients.	Private Patients.	Totals.
<i>Monthly Average.</i>				
1864-65,	225.10	48.16	69.83	343.25
1865-66,	252.16	50.58	75.58	378.33
<i>Weekly Average.</i>				
1866-67,	261.96	49.46	89.75	401.17
1867-68,	262.65	47.92	103.06	413.63
1868-69,	248.52	54.98	101.46	404.96
1869-70,	236.19	65.04	107.23	408.46
1870-71,	234.10	77.07	118.38	429.55
1871-72,	226.96	89.57	112.27	428.80
1872-73,	248.02	99.23	90.00	437.25
1873-74,	284.48	102.88	82.06	469.42
1874-75,	274.35	128.34	72.46	475.15
1875-76,	259.19	146.02	68.94	474.15
1876-77,	254.84	161.58	60.02	476.44
1877-78,	211.90	175.71	54.75	442.36
1878-79,	200.34	182.29	54.23	436.86
1879-80,	197.03	198.01	54.46	450.50
1880-81,	180.82	214.15	57.19	452.15
1881-82,	166.84	238.25	56.52	461.61
1882-83,	161.62	247.63	57.58	466.83
1883-84,	155.10	251.23	56.06	462.39
1884-85,	154.44	261.58	59.82	475.84
1885-86,	140.23	270.52	63.61	474.36
1886-87,	122.78	289.38	66.00	478.16
1887-88,	112.17	294.01	64.01	470.19
1888-89,	104.67	303.01	61.31	468.99
1889-90,	96.86	311.17	62.07	470.10
<i>Daily Average.</i>				
1890-91,	90.71	297.78	68.51	457.00
1891-92,	85.64	309.42	74.03	469.09
1892-93,	75.83	338.72	65.71	480.26
1893-94,	83.50	339.83	70.68	494.11
1894-95,	80.87	376.02	69.67	526.56
1895-96,	81.57	403.15	75.77	560.49
1896-97,	64.32	398.65	81.54	544.51
1897-98,	63.34	391.66	91.16	546.16

23. — Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1898.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Average No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Average No. of Patients.
			Men.	Women.	Totals.		
1858-59, . . .	313	229.55	7	12	19	6.07	8.27
1859-60, . . .	398	255.96	9	18	27	6.78	10.54
1860-61, . . .	434	314.26	15	15	30	6.91	9.54
1861-62, . . .	442	313.80	9	10	19	4.29	6.05
1862-63, . . .	470	355.28	19	7	26	5.53	7.31
1863-64, . . .	475	357.63	17	30	47	9.89	13.14
1864-65, . . .	469	342.40	17	24	41	8.76	11.97
1865-66, . . .	488	376.35	18	13	31	6.35	8.23
1866-67, . . .	543	401.03	23	24	47	8.65	11.71
1867-68, . . .	565	413.41	25	17	43	7.61	10.40
1868-69, . . .	590	405.10	13	12	25	4.23	6.17
1869-70, . . .	604	408.83	22	11	33	5.46	8.07
1870-71, . . .	616	421.90	16	12	28	4.54	6.64
1871-72, . . .	619	428.72	19	18	37	5.97	8.63
1872-73, . . .	614	437.23	13	8	21	3.42	4.80
1873-74, . . .	626	469.54	14	11	25	3.99	5.32
1874-75, . . .	629	475.35	23	18	41	6.52	8.62
1875-76, . . .	629	474.21	18	19	37	5.88	7.80
1876-77, . . .	603	476.16	21	21	42	6.96	8.82
1877-78, . . .	551	442.43	14	9	23	4.17	5.19
1878-79, . . .	535	436.73	14	9	23	4.29	5.27
1879-80, . . .	559	450.51	17	12	29	5.19	6.44
1880-81, . . .	569	451.79	16	10	26	4.57	5.75
1881-82, . . .	587	461.66	24	14	38	6.47	8.23
1882-83, . . .	606	466.76	17	13	30	4.95	6.42
1883-84, . . .	605	463.05	12	13	25	4.13	5.39
1884-85, . . .	599	475.94	16	11	27	4.51	5.67
1885-86, . . .	659	474.40	14	12	26	3.94	5.48
1886-87, . . .	639	478.55	13	18	31	4.85	6.47
1887-88, . . .	635	470.25	14	17	31	4.88	6.59
1888-89, . . .	636	469.10	18	7	25	3.93	5.32
1889-90, . . .	616	470.50	12	9	21	3.40	4.46
1890-91, . . .	636	457.00	19	12	31	4.87	6.78
1891-92, . . .	630	469.09	29	9	38	6.03	8.10
1892-93, . . .	658	480.26	20	17	37	5.62	7.70
1893-94, . . .	652	494.11	26	11	37	5.67	7.48
1894-95, . . .	705	526.56	18	14	32	4.53	6.07
1895-96, . . .	755	560.49	28	18	46	6.09	8.21
1896-97, . . .	741	544.51	27	18	45	6.07	8.26
1897-98, . . .	735	546.16	32	17	49	6.66	8.97

24. — List of Articles made in the Sewing-room.

Aprons,	578	Napkins,	88
Bureau covers,	69	Night gowns,	78
Chemises,	285	Ox blankets,	4
Curtains,	77	Pillow cases,	674
Clothes bags,	3	Pillow ticks,	29
Carpet strips,	73	Roller towels,	256
Carpeting, yards,	131	Skirts,	269
Caps,	613	Shirts,	273
Dresses,	284	Sheets,	1,008
Drawers,	227	Sheets, double,	14
Feather ticks,	3	Towels,	1,158
Hats trimmed,	23	Table cloths,	95
Jumpers,	14	Underwaists,	20
Mattress ticks,	96	Articles repaired,	24,834

25. — Upholstery done in the Year.

Hair mattresses made, new material,	28
Hair mattresses made, new ticks,	144
Hair mattresses made, old material,	47
Hair pillows made, new material,	38
Hair pillows, new ticks,	42
Hair pillows made, old material,	58

The annexed table gives the annual product of hay :—

1864, estimated,	. . .	40 tons.	1882, weighed,	. . .	170 tons.
1865, “	. . .	62 “	1883, “	. . .	197 “
1866, “	. . .	42 “	1884, “	. . .	174 “
1867, weighed,	. . .	82 “	1885, “	. . .	251 “
1868, “	. . .	86 “	1886, “	. . .	269 “
1869, “	. . .	91 “	1887, “	. . .	302 “
1870, “	. . .	74 “	1888, “	. . .	305 “
1871, “	. . .	75 “	1889, “	. . .	331 “
1872, “	. . .	91 “	1890, “	. . .	336 “
1873, “	. . .	84 “	1891, “	. . .	295 “
1874, “	. . .	120 “	1892, “	. . .	315 “
1875, “	. . .	100 “	1893, “	. . .	262 “
1876, “	. . .	111 “	1894, “	. . .	289 “
1877, “	. . .	154 “	1895, “	. . .	364 “
1878, “	. . .	179 “	1896, “	. . .	328½ “
1879, “	. . .	144 “	1897, “	. . .	446 “
1880, “	. . .	154 “	1898, “	. . .	414 “
1881, “	. . .	213 “			

The annexed table gives the annual product of pork :—

1865,	6,265 pounds.	1882,	14,414 pounds.
1866,	5,443 “	1883,	15,612 “
1867,	7,416 “	1884,	10,192* “
1868,	7,791 “	1885,	17,544 “
1869,	8,469 “	1886,	21,503 “
1870,	7,447 “	1887,	26,331 “
1871,	7,863 “	1888,	18,465 “
1872,	11,366 “	1889,	19,227 “
1873,	10,511 “	1890,	25,189 “
1874,	12,024 “	1891,	32,621 “
1875,	12,693 “	1892,	31,074 “
1876,	12,467 “	1893,	23,505 “
1877,	13,605 “	1894,	21,873 “
1878,	14,451 “	1895,	15,718* “
1879,	13,569 “	1896,	31,163 “
1880,	14,729 “	1897,	41,374 “
1881,	15,610 “	1898,	34,289 “

* Quantity diminished by disease.

Farm Products in 1898.

Hay (first growth), 324 tons, .	\$3,888 00	Cabbage, 2,542 heads, . . .	\$76 26
Hay (second growth), 89½ tons, .	1,074 00	Celery, 2,000 heads, . . .	55 50
Hay (second quality), 4 tons, .	24 00	Apples, 690 bushels, . . .	1,035 00
Ensilage, 125 tons, . . .	437 00	Pears, 17½ bushels, . . .	17 50
Straw, 7 tons, . . .	84 00	Quinces, 4½ bushels, . . .	5 63
Corn shell, 480 bushels, . . .	240 00	Watermelons, 18,355 pounds, .	183 55
Broom brush, 1,100 pounds, .	44 00	Muskmelons, 8,831 pounds, .	88 31
Broom seed, 65 bushels, . . .	26 00	Currants, 11 bushels, . . .	28 11
Rye, 175 bushels, . . .	87 50	Milk, 178,296 quarts, . . .	8,914 80
Beans (string), 149 bushels, .	74 50	Eggs, 472½ dozen, . . .	137 59
Beans (shell), 35 bushels, . .	17 50	Beef, 12,282 pounds, . . .	817 87
Potatoes, 2,374 bushels, . . .	1,187 00	Veal, 551 pounds, . . .	56 10
Carrots, 161 bushels, . . .	64 40	Pork, 34,289 pounds, . . .	1,648 40
Beets (table), 411½ bushels, .	205 75	Pigs (roast), 7, . . .	14 00
Beets (sugar), 240 bushels, . .	48 00	Pigs sold, 303, . . .	1,034 72
Onions, 302½ bushels, . . .	151 25	Chickens, 765, . . .	152 40
Turnips, 700 bushels, . . .	280 00	Calves sold, 28, . . .	162 50
Sweet corn, 284 bushels, . . .	142 00	Cider, 65 barrels, . . .	166 40
Pease, 155 bushels, . . .	155 00	Cauliflower, 18 heads, . . .	1 44
Cucumbers, . . .	72 25	Parsnips, 70 bushels, . . .	42 00
Squash (summer), 107 bushels, .	53 50	Strawberries, 186 quarts, . .	18 60
Squash (winter), 14,800 pounds, .	148 00	Wood, 35 cords, . . .	70 00
Swiss chard, 117½ bushels, . .	58 75	Posts, 140, . . .	21 00
Lettuce, 129 bushels, . . .	129 00	Lumber, 18 M feet, . . .	252 00
Tomatoes, 195 bushels, . . .	97 50	Ice, 300 tons, . . .	300 00
Asparagus, 26½ bushels, . . .	58 63	Corn fodder, 15 tons, . . .	75 00
Pie plant, 115½, . . .	86 63	Potatoes for feeding, 325 bushels, .	32 50
Spinach, 29½ bushels, . . .	22 13		

26. — Trustees of the Northampton Lunatic Hospital.

NAMES.	Residence.	When app'ted.	Service ended.	From What Cause.
Charles E. Forbes,* . .	Northampton, . .	1856	1857	Term expired.
Lucien C. Boynton,* . .	Uxbridge, . .	1856	1858	Term expired.
Eliphalet Trask,* . .	Springfield, . .	1856	1875	Term expired.
John C. Russell,* . .	Great Barrington, . .	1856	1859	Resigned.
Horace Lyman, . .	Greenfield, . .	1856	1857	Removed.
Charles Smith,* . .	Northampton, . .	1857	1860	Resigned.
Luther V. Bell,* . .	Somerville, . .	1857	1859	Resigned.
Zebina L. Raymond,* . .	Greenfield, . .	1858	1859	Resigned.
Franklin Ripley,* . .	Greenfield, . .	1859	1860	Died in office.
Edward Dickinson,* . .	Amherst, . .	1859	1864	Resigned.
Walter Laffin,* . .	Pittsfield, . .	1859	1866	Term expired.
Silas M. Smith,* . .	Northampton, . .	1860	1863	Term expired.
Charles Allen, . .	Greenfield, . .	1860	1861	Resigned.
Alfred R. Field,* . .	Greenfield, . .	1861	1864	Resigned.
Edward Hitchcock, . .	Amherst, . .	1863	1879	Resigned.
Silas M. Smith,* . .	Northampton, . .	1864	1887	Died in office.
Edmund H. Sawyer,* . .	Easthampton, . .	1864	1879	Died in office.
Henry L. Sabin,* . .	Williamstown, . .	1866	1876	Term expired.
Adams C. Deane, M.D., . .	Greenfield, . .	1875	1898	Resigned.
Henry W. Taft, . .	Pittsfield, . .	1876	1893	Term expired.
William M. Gaylord, . .	Northampton, . .	1879	1883	Term expired.
Lyman D. James, . .	Williamsburg, . .	1879	—	Still in office.
Christopher Merritt, . .	Springfield, . .	1883	1888	Term expired.
Sarah A. Woodworth, . .	Chicopee, . .	1884	—	Still in office.
Sarah M. Butler, . .	Northampton, . .	1884	—	Still in office.
John L. Otis,* . .	Florence, . .	1887	1890	Resigned.
N. A. Leonard,* . .	Springfield, . .	1888	1890	Died in office.
Alvan Barrus, . .	Goshen, . .	1890	—	Still in office.
Elisha Morgan, . .	Springfield, . .	1890	—	Still in office.
William D. MacInness, . .	Pittsfield, . .	1893	—	Still in office.
F. W. Chapin, M.D., . .	Springfield, . .	1898	—	Still in office.

* Deceased.

27. — *Officers and Employees.*

[Time employed Oct. 1, 1898.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent,	9	—	7
Charles M. Holmes, M.D., assistant physician,	9	2	21
Emma W. Mooers, M.D., assistant physician,	—	7	—
Payn B. Parsons, M.D., assistant physician,	1	1	26
Justus G. Hanson, M.D., junior assistant,	—	1	23
Lewis F. Babbitt, clerk and treasurer,	6	11	19
Ida A. Porter, matron,	—	2	—
John Mercier, farmer,	31	2	—
Walter I. Dodge, engineer,	3	5	—
Robert H. Gallivan, supervisor,	25	5	13
Lucy A. Gilbert, supervisor,	31	7	20
Amelia Seaman, assistant clerk,	1	3	—
Elizabeth Bycraft, assistant supervisor,	7	—	1
Jeremiah McKenna, steward,	4	5	15
George B. Walker, baker,	14	3	18
Bradamante Fairbanks, seamstress,	6	6	16
Martha H. Williams,	—	10	7
Charles E. Marshall, laundryman,	4	8	16
Mattie G. Jones, assistant seamstress,	6	10	16
Mary A. Turner, assistant laundress,	1	2	14
Herbert E. Walker, assistant baker,	—	6	18
Martin V. B. Vance, attendant,	6	8	7
Samuel L. Williams, attendant,	6	3	4
Herbert R. Sears, attendant,	4	6	21
Alpheus D. King, attendant,	3	5	24
Ernest V. Carpenter, attendant,	2	10	1
William J. Moore, attendant,	1	11	4
Bernard Kilkenny, attendant,	—	1	13
Jay E. Cook, attendant,	1	4	—
Frank W. Coburn, attendant,	—	8	12
Thomas Bullman, attendant,	—	3	21
William Dunn, attendant,	—	4	17
Richard Gates, attendant,	—	1	—
Geo. H. Richards, attendant,	—	5	18
E. Young, attendant,	—	1	—
S. Young, attendant,	—	1	—
Frank M. Hunnewell, attendant,	—	1	10
Geo. B. Gardner, attendant,	—	7	20
Nathan W. Williams, attendant,	—	1	7
Robert Pike, attendant,	—	3	30
William B. Wilson, night attendant,	—	1	19
William Tracy, night attendant,	—	1	11
Henry W. Reed, night attendant,	—	2	6
J. Bertram Sill, night attendant,	—	3	20
Mary Morris, attendant,	2	9	29
Alice Collins, attendant,	2	2	20
Mary Hall, attendant,	2	1	7
Ellen Buchan, attendant,	2	1	—
Carrie McPherson, attendant,	—	—	21
Mary A. Clark, attendant,	—	6	18

27. — *Officers and Employees* — Concluded.

NAMES.	Years.	Months.	Days.
Bella B. Edwards, attendant,	—	—	10
Daisy E. Negus, attendant,	—	—	16
Etta E. Cook, attendant,	—	2	24
Helen Buchan, attendant,	—	11	29
Anna Checkley, attendant,	—	11	18
Bridget Frawley, night attendant,	4	—	21
Grace Chapman, night attendant,	—	6	8
Jeannie Scott, night attendant,	—	—	10
Mary Cass, farmers' dining-room,	—	11	7
Susie Warren, centre housework,	4	6	9
Alexandria Grenier, centre housework,	—	4	16
Lynne A. Bush, centre housework,	1	5	14
Frances Hack, cook,	—	7	26
Mary McNamara, assistant cook,	2	—	12
Lizzie McNamara, assistant cook,	2	—	12
Julia Sheehan, assistant cook,	1	4	24
Abbie Mara, assistant cook,	1	—	—
Julia Kennedy, assistant cook,	—	5	7
Nora Burns, rear housework,	4	3	11
Wilson E. McCray, assistant engineer,	—	7	29
George W. Thorniley, florist,	5	5	12
William Day, fireman,	1	—	—
Nicholas Reil, gardener,	22	2	6
Sifroi Bellville, carpenter,	28	4	—
Walter M. Tower, carpenter,	20	8	1
Alfred Parenteau, painter,	32	1	18
David Mercier, coachman,	21	7	14
Benjamin Rockwell, assistant farmer,	31	4	—
Henry M. Wilson, assistant farmer,	19	5	8
James Madden, assistant farmer,	22	—	29
Patrick Eagan, assistant farmer,	6	1	8
Thomas Donahoe, assistant farmer,	5	11	—
Xavier Dion, assistant farmer,	5	3	17
Charles Ulrich, assistant farmer,	2	5	8
Lyman W. Searles, assistant farmer,	1	8	15
George N. Drury, assistant steward,	1	—	—
John Bourke, car boy,	5	4	14

