

**Forty-fifth annual report of the Trustees of the Northampton Insane Hospital, for the year ending September 30, 1900.**

**Contributors**

Northampton Insane Hospital.  
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FORTY-FIFTH ANNUAL REPORT

OF

THE TRUSTEES

OF THE

NORTHAMPTON INSANE HOSPITAL,

FOR THE

YEAR ENDING SEPTEMBER 30, 1900.

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BOSTON :

WRIGHT & POTTER PRINTING CO., STATE PRINTERS,

18 POST OFFICE SQUARE.

1901.



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# OFFICERS

## OF THE

### NORTHAMPTON INSANE HOSPITAL.

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#### TRUSTEES.

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

#### RESIDENT OFFICERS.

JOHN A. HOUSTON, M.D.,	.	.	.	.	.	.	.	<i>Superintendent.</i>
JUSTUS G. HANSON, M.D.,	.	.	.	.	.	.	.	<i>1st Assistant Physician.</i>
HARRIET M. WILEY, M.D.,	.	.	.	.	.	.	.	<i>Assistant Physician.</i>
CHARLES H. DEAN, M.D.,	.	.	.	.	.	.	.	<i>Assistant Physician.</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.
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Office at the Hospital.



# Commonwealth of Massachusetts.

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## TRUSTEES' REPORT.

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

The trustees of the Northampton Insane Hospital respectfully submit their report of the management of its affairs for the year ending Sept. 30, 1900, it being the forty-fifth annual report, and with it are presented the reports of the superintendent and treasurer.

### IMPROVEMENTS.

The improvements in the administration building provided for by the appropriation of 1898 were completed early in the official year.

In 1899 the Legislature appropriated \$12,000 to provide for cold storage. It was found that the location of the present horse barn was the most desirable one on the grounds for cold-storage purposes, and that the building could be easily and economically remodelled for such use. As a stable, because of its proximity to the kitchen, the dining rooms of the women's department and the dormitory for women employees, it is a source of annoyance in summer from flies and odors inseparable from such a building. For these reasons the Legislature of 1900 authorized the use of this appropriation to reconstruct the old stable into a cold storage and to build a new stable at a more desirable distance.

Work on the new stable is progressing favorably, patients assisting materially in its construction. With the exception of a few masons, it has not been necessary to employ any help excepting our regular force. Under the direction of our car-



penter the patients have done much of the framing of the building. They have also made the mortar and have kept the masons supplied with bricks and mortar on the staging. By so doing the work has been somewhat slow, but is well done, and much more can be accomplished with the amount appropriated. In like manner the old stable will be remodelled. The superintendent reports that the patients are eager to do this work, getting much enjoyment as well as benefit from it. Several of the patients who were thus employed have been discharged recovered and many of them improved. Their interest in the work, the mental diversion and the benefit that comes from occupation contributed largely to these favorable results.

Beneath the stable is a large basement, affording much-needed storage accommodations for farming tools and vehicles.

During the year a terazzo floor has been laid in the bakery and a cement floor throughout the basement of the main building.

The new offices and rooms in the administration building have been painted and decorated, patients assisting in the plain work. Patients have also repainted two of the wards and many of the rooms for inmates.

A siding about three hundred feet long has been laid from the New York, New Haven & Hartford Railroad to our lot on Earle Street. This proves to be very convenient and a saving of time in unloading coal, flour, etc., and, because we can now care for coal in larger shipments than formerly, it enables us to make more favorable contracts than could otherwise be obtained.

A contract has been made with the Westinghouse Electrical Company for a  $37\frac{1}{2}$  K. W. generator, operated by an Ames engine, to provide for an extension of our present service.

Arrangements are nearly completed for installing a telephone system throughout the hospital, to replace the present inadequate system of call bells.

#### NEEDS.

Our numbers grow larger each year, adding to the difficulties of caring for patients in accommodations already overtaxed. This is unjust to the patients. We have several times in the past ten years called attention to the need of better accommodations for treating the sick and the convalescent classes. This necessity has been strongly emphasized by our experience of



the past year. Reference is made to the superintendent's report on this subject.

The need of larger and better accommodations for the cows becomes more pressing each year. There being more patients to support, and especially more of a feeble class who require a diet of which milk is the greater part, the amount of milk which the farm can furnish under the present conditions was found insufficient for our needs, consequently more had to be purchased elsewhere. The products of our farm are ample for feeding enough cows to furnish all the milk required. In the report of last year we said, "To store the products of the farm and farm tools and vehicles and to care for the cattle is a question of increasing importance. The hospital, with a greater number of patients and with a more liberal dietary, requires more milk. Enough hay and grain can be raised on the farm to keep more milch cows than we now have, but the limit of accommodation has been reached. The present quarters for the cows are quite unsuitable for the purpose, being in a basement of a barn built nearly forty years ago, when light and ventilation were not considered essential for cows. Experience has shown that cows are quite susceptible to disease, and require the best possible facilities for light and air. The trustees think it their duty to again call attention to the need of a new barn and cow stable. Reference is made to our report for the year 1898 on the subject."

During the coming year the sewage system should be extended to enter the public system. Permission has been obtained to cross the land between our boundary line and the city sewer, and also permission from the city to enter its sewer.

If the number of senile cases to be cared for in the hospital continues to increase as rapidly as in the past few years, we shall soon have to consider the advisability if not the necessity of providing suitable accommodations for that class. Reference is made to the superintendent's report, which discusses that question more fully.

#### THE FARM.

The farm has been well managed during the year. Notwithstanding the prolonged drought, there has been a good yield of crops except of hay and potatoes, which are below the average.



Twelve acres of land adjoining our farm on the west, being for sale at auction, were purchased. Four acres of land never before under cultivation were cleared of brush, drained and tilled, and about four hundred and twenty feet of heavy stone drain and two hundred and fifteen feet of tile drain were laid.

#### CHANGES IN THE MEDICAL STAFF.

There have been several changes in the medical staff during the year. In November Dr. Mooers left to go abroad. Her place was filled by the appointment of Dr. Harriet M. Wiley, who came in February. Dr. Wiley had served one year as assistant physician in the Reformatory Prison for Women at Sherborn, and a term at the New England Hospital for Women.

Dr. Abbott resigned in December, to become assistant superintendent of the Boston City Hospital. Dr. Parsons left in June, to enter private practice. Dr. Hanson was promoted, and Dr. C. H. Dean, who had had a year's experience in the Boston City Hospital, was appointed in May.

LYMAN D. JAMES.

ELISHA MORGAN.

ALVAN BARRUS.

SARAH A. WOODWORTH.

SARAH M. BUTLER.

F. W. CHAPIN.

WILLIAM D. MACINNES.

## INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1900.

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Live stock on farm, . . . . .	\$8,594 00
Products of farm on hand, . . . . .	10,558 69
Carriages and agricultural tools, . . . . .	3,300 00
Machinery and mechanical fixtures, . . . . .	15,000 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,* . . . . .	9,500 00
Ready-made clothing, . . . . .	663 91
Dry goods, . . . . .	412 20
Bedding, . . . . .	339 94
Small wares, . . . . .	970 31
Miscellaneous, . . . . .	877 14
Provisions and groceries, . . . . .	1,839 80
Drugs and medicines, . . . . .	900 00
Fuel, . . . . .	4,398 75
Library, . . . . .	1,200 00
Paints and oils, . . . . .	450 00
	<hr/>
	\$79,754 74

\* 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 Insane Hospital.*

I respectfully submit the following report of the finances of this institution for the year ending Sept. 30, 1900 : —

### ASSETS.

Five hundred and five acres of land, . . .	\$53,400 00
Hospital building, . . . . .	480,000 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, . . . . .	500 00
Cart shed, . . . . .	400 00
Piggery, . . . . .	3,000 00
Fire-proof for oils and paints, . . . . .	500 00
Two ice-houses, . . . . .	300 00
	<hr style="width: 10%; margin-left: 0;"/>
	\$570,250 00

### PERSONAL ESTATE.

Stocks and supplies, as per inventory, . . . . .	\$79,754 74
--	-------------

### RECEIPTS.

Cash on hand Sept. 30, 1899, . . . . .	\$3,176 36
Receipts from State Treasurer, . . . . .	14,371 00
from towns, . . . . .	68,836 62
from individuals, . . . . .	20,595 91
from sales, . . . . .	2,592 87
from interest, . . . . .	153 47
from loan, . . . . .	6,000 00
Cash belonging to patients, . . . . .	658 39
	<hr style="width: 10%; margin-left: 0;"/>
	\$116,384 62



## PAYMENTS.

Salaries and wages, . . . . .	\$37,214 20	
Provisions and supplies:—		
Meats of all kinds, . . . . .	\$6,108 16	
Fish of all kinds, . . . . .	1,521 46	
Fruit and vegetables, . . . . .	1,734 15	
Flour (610 barrels), . . . . .	2,370 00	
Grain and meal for table, . . . . .	326 00	
Tea, coffee and chocolate, . . . . .	1,344 09	
Sugar and molasses, . . . . .	2,838 31	
Grain and meal for stock, . . . . .	3,305 72	
Butter and cheese, . . . . .	5,415 56	
Other groceries, . . . . .	3,998 88	
All other provisions, . . . . .	2,674 66	
		31,636 99
Clothing, . . . . .		3,065 13
Fuel and lights, . . . . .		8,628 01
Medicine and medical supplies, . . . . .		1,778 49
Furniture, beds and bedding, . . . . .		4,414 68
Transportation and travelling expenses, . . . . .		985 95
Ordinary construction and repairs, . . . . .		2,909 11
Farm stock, . . . . .	\$1,569 35	
Farm supplies, . . . . .	2,630 65	
Water, . . . . .	2,026 14	
Minor expenses, . . . . .	3,847 01	
Contingencies, . . . . .	769 69	
		10,842 84
Total current expenses, . . . . .		\$101,475 40
Extraordinary expenses, . . . . .	\$12,887 88	
Paid loan, . . . . .	1,000 00	
Cash refunded patients, . . . . .	998 05	
		14,885 93
		\$116,361 33
Cash on hand Sept. 30, 1900, . . . . .		23 29
		\$116,384 62

## RESOURCES.

Cash on hand, . . . . .	\$23 29	
Due from Commonwealth, . . . . .	4,563 25	
from cities and towns, . . . . .	18,213 70	
from individuals, . . . . .	6,275 95	
		\$29,076 19

## LIABILITIES.

Salaries and wages due Oct. 1, 1900, . . . . .	\$3,067 30	
Miscellaneous bills due, . . . . .	14,374 64	
Patients' money, . . . . .	1,364 17	
	<hr/>	\$18,806 11

## SUMMARY.

Total receipts, . . . . .	\$116,384 62
Total payments, . . . . .	116,361 33
	<hr/>
Cash on hand Sept. 30, 1900, . . . . .	\$23 29
Total liabilities, . . . . .	\$18,806 11
Total debts due institution, . . . . .	29,076 19
Total expenditures, . . . . .	116,361 33
Deducting from total expenditures, . . . . .	\$116,361 33
The extraordinary expenses, . . . . .	\$12,887 88
Paid on loan account, . . . . .	1,000 00
Cash refunded patients, . . . . .	998 05
	<hr/>
	14,885 93
	<hr/>
We have the current expenses, . . . . .	\$101,475 40
Dividing the current expenses, . . . . .	\$101,475 40
By the average number of inmates gives the average annual	
cost of, . . . . .	176 07
Equivalent to an average weekly cost of, . . . . .	3 37

LEWIS F. BABBITT,

*Treasurer.*

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

WILLIAM D. MACINNES,

ALVAN BARRUS,

*Auditors.*



## SUPERINTENDENT'S REPORT.

---

*To the Trustees of the Northampton Insane Hospital.*

The report of the operations of the hospital for the year ending Sept. 30, 1900, is hereby respectfully submitted.

A summary of the statistical tables which accompany this report is presented here, showing the more important facts for your consideration.

### MOVEMENT OF POPULATION.

The year opened with 590 patients in the hospital, and closed with the same number. During the year 243 cases were admitted and an equal number were discharged. The smallest number on any one day was 564, the largest number 590. The whole number of patients supported during the year was 833. The daily average number was 576, which is 13 larger than in 1899. The daily average supported by friends was 80; by cities and towns, 410; by the State, 86.

### ADMISSIONS.

Forty-one per cent. of the cases admitted were born in Massachusetts, 37 per cent. were of foreign birth and 57 per cent. were of foreign parentage.

The number admitted is larger than in any previous year, but 60 of them had been here before or in some other hospital. The number of new cases, that is, those who have never before been in any hospital for the insane, is larger by 12 than in 1899. The increase of new cases has averaged between 3 and 4 for each year during the last twenty years. Assuming that the population of western Massachusetts has maintained the same rate of increase during the past five years as in the previous fifteen, the increase of new cases is slightly larger relatively than that of the population. Examination of the statistics of the other hospitals in the State shows a similar condition, That this indicates an increase of insanity faster than of population can hardly be demonstrated by the experience of this



hospital, because the number of senile cases admitted is increasing much faster than the number of new commitments. This increase I attribute to a growing tendency to place these troublesome old people in the hospitals, and not to an increase of insanity of old age.

Of 243 admissions this year, 30 were of people over seventy years of age, — more than 12 per cent. The increase in numbers of this class admitted in the last twenty years has been as follows: from 1878 to 1883, 3.6 per cent.; from 1883 to 1888, 4.5 per cent.; from 1888 to 1893, 8.2 per cent.; from 1893 to 1898, 9.7 per cent.; in 1899, 10 per cent.; in 1900, 12 per cent. This is a steady increase from an average of 3 persons each year to 22 persons last year and 30 this year. Besides those enumerated there are many from sixty-five to seventy years old who should properly be grouped with them in any consideration of special provision for this class.

Many of these old people are too feeble to dress and feed themselves, they are forgetful, querulous and irritable, and require considerable oversight, but are well enough to be cared for at home or elsewhere than here if the conditions were suitable. Some knowledge of the conditions at home and a consideration of the cases themselves lead us to the conclusion that, of the 30 old people admitted this year, 9 had no immediate relatives or friends to care for them; 4 had relatives too poor to furnish the necessary care; of the others, some had relatives who would have been obliged to give up their daily work in order to assume care of them, and several had relatives who ought to have provided care for them at home.

There are at present in the hospital 49 persons from sixty-five to seventy years of age, 48 from seventy to eighty, and 14 over eighty. Many of these are completely helpless, requiring as much attention as young children. They should not be obliged to be on the same wards with the other classes of insane; their needs are different, and special provision should be made for their care, preferably in a building separate from the main hospital.

There are now in the State outside the hospitals many old people dependent because of mental failure, whom the State may soon have to care for. They are legally insane, but are not commonly so considered. What to do with them is a question that demands very careful consideration.



This year a much larger proportion of the admissions than usual was of cases in which an unfavorable prognosis for improvement was made at the time of admission. There were 171 of these cases, 70 per cent. of the admissions, who were suffering from mental defect existing from birth, from long-continued insanity, from organic brain diseases and from the retrograde changes due to old age. So large a number of unfavorable cases necessarily means a low recovery rate, a larger residue to increase the average number supported by the hospital and a gradually increasing death rate. It also means a greater tax on the nursing staff.

#### DISCHARGES.

Fifty-eight cases were discharged during the year as recovered; 36 as much improved; 18 as improved; 44 as not improved; 1 as not insane. The case classed as not insane had before admission a temporary delirium from the use of cocaine and possibly of opium, but exhibited no signs of insanity while here, and was discharged after a short period of observation.

One hundred and four of the above cases were allowed to go home on trial visit, of whom only 11 had to return.

Our recovery list is a conservative one, and as large as can be expected from the character of the admissions.

Eighty-six patients died during the year. The old and feeble cases above spoken of have contributed largely to this result. Fifty per cent. of those who died were people more than sixty-five years of age; 38 cases were over seventy years of age, 16 of these being over eighty. Twelve had been inmates of the hospital for periods ranging from fifteen to thirty-seven years. Sixty-four had been insane more than two years.

#### MEDICAL SERVICE.

At the beginning of the hospital year about 25 of our patients and nearly as many employees were seriously ill with typhoid fever. The epidemic began in September and continued till November, convalescence of some of the cases being prolonged into December. Since then there have been several mild cases, undoubtedly caused by infection from others. Some of the cases were of the so-called walking type; being mild, having a low fever, and making no complaint of sickness, it was not learned that they were ill till they may have been a source of infection to others. Many of the cases were persons of untidy



habits, and they possibly became a source of infection after their recovery from the fever. Dr. Hanson demonstrated the possibility of this by making cultures of typhoid bacilli from the urine of such cases. Other observers have found bacilli in the urine of typhoid cases many months even after the recovery from the fever.

There were in all 77 cases of the fever, — 53 patients and 24 employees.

Two of the nurses of the hospital staff and 7 of the patients died, and another patient died in epileptic status while suffering from the fever.

The blood of 102 persons suspected of having the fever was examined by Dr. Hanson and Dr. Dean for the Widal reaction. It was found positive in 71 cases and negative in 31 cases. Six of the latter were undoubtedly typhoid cases. Facts peculiar to these 6 are that each was over sixty years of age, and each had a very light attack of the disease. The earliest day on which the reaction was present was the second day of the disease, and the latest date at which it first appeared was the tenth day of the fever, it appearing on the seventh day in the average.

The source of the epidemic has never been definitely determined. The State Board of Health adopted as their opinion our suspicion that the celery was responsible. The suspicion was entertained because all other uncooked articles of diet, the milk and the water supply, could with reasonable certainty be excluded, and there was a possibility of the celery bed having become infected by the use of fertilizer from the sewage beds.

The presence of this epidemic imposed much extra work and care on employees who escaped the fever, both because of the extra work to be done and also because of the difficulty of getting help to come here while the epidemic was in progress. They deserve the highest commendation for their faithfulness.

There has been an unprecedented number of cases of malarial fever in the spring and summer months of the present year. In the last ten years prior to this there have been but two or three cases. This year, microscopical examination showed the presence of the malarial organism in 38 cases, the tertian form predominating. As a rule they have responded quickly to quinine given by Dock's method, but our experience has been



that it is necessary to continue the drug in small doses daily for several months to insure the prevention of relapse.

In three of the cases there was a double infection of typhoid and malaria, clearly shown by the course of the disease, and by the presence of both the typhoid bacilli and malarial plasmodium. Dr. Hanson has reported one of these cases in the New York "Medical Record."

Our experience of the last year has shown clearly that a separate building for the care of the sick is more urgently needed than ever. The accommodations should be the most cheerful possible, and the conveniences for their care the best to be obtained. They should not be subjected to disturbances from other patients. Furthermore, other patients should not live on the ward with them; especially is this true if any contagious disease is present. Not only would such a building contribute to the comfort of the sick and the ease of caring for them, but the removal of them from the present wards, which are now crowded, would make room for patients who now have to occupy temporary beds made up in the corridors.

The pathological work of the year has been such as is of clinical value, and has been done by the regular staff. There were in all about five hundred examinations of the blood in the typhoid and malarial cases. In addition to these, systematic chemical and microscopical examinations of either the blood or urine were made in nearly every case admitted, also the usual routine examinations during the year. In the winter and spring there were so many cases of diphtheria in this vicinity that it was thought advisable to isolate for a day or two patients admitted from localities where diphtheria was prevalent, till a culture from the throat could be made. Several suspicious cases of sore throat were thus examined, which fortunately proved to be of a simple nature.

Eight autopsies, all of the cases in which permission of friends could be obtained, have been made. While not numerous, they have been of exceeding interest and value to the staff.

Such practical pathological work as the above, with the more careful observation of our patients and better recording of the results of our observations, seem to comprise what the average hospital can reasonably hope to do at present.

The advanced study of psychological questions, as under-



taken at the Worcester Hospital, requires a larger force of observers and a larger income than the State hospitals now have. This line of investigation, which is complementary to the regular clinical work, is an important one, and should be carried on thoroughly at some one place in the State rather than half-heartedly at several places. It is to be hoped that sufficient encouragement will be given to the Worcester Hospital to enable it to continue along the lines already established.

#### MEDICAL TREATMENT.

The medical treatment of patients has been along the well-tried lines of rest, nourishment, and diversion by occupation and amusement. The chief aim is, after removing causes and separating patients from unfavorable environments, to improve the general nutrition as much as possible. The medicines used have been tonics almost wholly. We have learned to avoid hypnotics entirely, and consequently have none of their secondary evil effects to combat. To one patient suffering from chorea a few doses of chloral were given, and a few epileptics have had bromides; with these exceptions, nothing of the kind whatever has been used to quiet a patient or to induce sleep.

The use of wet packs has been continued with excellent results. Many of the recent cases have had them daily, for periods varying from one to several weeks. Fifty-eight cases have been treated, with favorable results in all except two, who could not bear them well. The cases most benefited were those suffering from acute maniacal excitement, notably two or three having the excitement following epileptic attacks. The effect is quieting, so that very often the patient goes to sleep while in the pack. A number of depressed and several chronic cases have received the treatment, which was followed by marked improvement of the physical condition.

#### TRAINING SCHOOL.

The work of the training school was interrupted early in the year, because of the epidemic. Many of the nurses were sick with the fever, and the others had extra work to care for the sick ones. Till late in the year, also, there was difficulty in obtaining nurses enough to carry on the routine work of the wards. However, regular instruction was given in the later months, and the regular course will be resumed in October.



The duties of a nurse are very exacting and arduous, and the hours of service are long. In justice to the nurse as well as to the patients, the time on duty should be made as short as possible, and nurses should have accommodations for eating and sleeping separate from those provided for the patients. How this may best be done has been answered in some hospitals by establishing a nurse's home in a building separate from the wards. There being no immediate prospect of securing such accommodations here, we arranged for as many nurses as possible to sleep in the new rooms in the centre building, where the old chapel formerly was. This is a step toward something better, and gives a night's sleep undisturbed by the noises and cares of the wards. The rooms vacated by these nurses afford accommodations for patients who previously had slept in temporary beds made up in the corridors. The female nurses also enjoy the privilege of taking their meals together on one of the quiet wards, in two divisions, one division being on duty while the other is at meals.

#### RELIGIOUS SERVICES, ENTERTAINMENTS, ETC.

Religious services were held every Lord's Day, the different clergymen in Northampton and vicinity kindly officiating.

There have been regular readings each week by some member of the staff, with music by the hospital choir. During the winter a dance was held each week. In addition to this there have also been the following entertainments:—

Magician, . . . . .	November 4, 1899
Ventriloquist, . . . . .	November 14, 1899
Miss Eastman and members of the Grange, . . . . .	November 17, 1899
Stereopticon lecture, . . . . .	December 18, 1899
Christmas party, . . . . .	December 25, 1899
Elocutionist, . . . . .	January 2, 1900
Stereopticon lecture, . . . . .	January 8, 1900
Mt. Holyoke College Glee Club and Miss Eastman, . . . . .	January 31, 1900
Magician, . . . . .	February 13, 1900
Stereopticon lecture, . . . . .	February 19, 1900
Crayon artist, . . . . .	March 23, 1900
Banjo concert, . . . . .	May 17, 1900
Smith College Banjo Club, . . . . .	June 5, 1900
Whist parties (two), . . . . .	July, 1900
Lecture, "The Klondike Region," . . . . .	August 23, 1900
Whist parties (two), . . . . .	September, 1900

The thanks of our patients and officers are due those who have so kindly volunteered their services for the above entertainments.

#### ACKNOWLEDGMENTS.

Mr. S. E. Bridgman of Northampton and Mrs. Knowlton of Athol have made generous contributions of magazines. The publishers of the "New England Zeitung," the "Christian Register" and the "Berkshire County Eagle" have sent regular copies of their welcome papers. The Misses Eastman of South Hadley have contributed fruit, and have also kindly volunteered the services of themselves and the college glee clubs for our entertainment on several occasions. Miss Jessie Orr of Adams has sent us fruit on several occasions. Miss White of Fort Hill presented an invalid's chair, which will prove to be very useful. To all of the above-mentioned friends of the hospital we acknowledge our grateful appreciation.

JOHN A. HOUSTON.



## DIETARY OF THE NORTHAMPTON INSANE HOSPITAL.

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[There are two bills of fare, the first of which is supplied to the tables of about three hundred persons, and the second to those of somewhat over three hundred. In addition to these, about sixty quarts of egg and milk are taken through the wards between meals and at bed time, and distributed to the old, the feeble and the convalescent classes.]

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### BILL OF FARE No. 1.

#### BREAKFAST.

- Monday.* — Tea, oatmeal, coffee, broiled beefsteak or eggs, potatoes, warm rolls ("biscuit"), bread and butter.
- Tuesday.* — Tea, coffee, oatmeal, fried tripe,\* potatoes, warm rolls, bread and butter.
- Wednesday.* — Tea, coffee, oatmeal, broiled beefsteak or eggs, potatoes and warm brown (rye and Indian) bread.
- Thursday.* — Tea, coffee, oatmeal, broiled beefsteak, potatoes, warm rolls, bread and butter.
- Friday.* — Tea, coffee, oatmeal, fried tripe,\* potatoes, warm rolls, bread and butter.
- Saturday.* — Tea, coffee, oatmeal, either fried fish-balls or liver, meat hash, hot corn cake, bread and butter.
- Sunday.* — Tea, coffee, oatmeal, eggs, potatoes, warm rolls, bread and butter and fried Indian corn pudding.

#### DINNER.

- Monday.* — Roast beef, potatoes and one other vegetable,† bread and butter, boiled rice with syrup or sugar.
- Tuesday.* — Vegetable soup, roast or stewed veal,‡ potatoes and one other vegetable,† bread and butter, and baked Indian pudding.
- Wednesday.* — Either fried or baked fresh fish or boiled mutton, potatoes and one other vegetable,† bread and butter, and berry or apple pudding, with sauce.§
- Thursday.* — Vegetable soup, corned beef, potatoes and one other vegetable,† bread and butter, and boiled suet pudding with syrup.

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\* 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 and 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 and butter, and baked bread pudding.

*Sunday.*— Stewed mutton, potatoes, warmed baked beans, pickles, bread and butter, and pies, the kind varying with the season.

#### SUPPER.

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

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

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

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

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

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

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

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

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#### BILL OF FARE No. 2.

##### BREAKFAST.

*Monday.*— Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

*Tuesday.*— Coffee, oatmeal, cold roast beef, potatoes, and bread and butter.

*Wednesday.*— Coffee, oatmeal, meat stew or boiled eggs, potatoes, and warm rye and Indian corn brown bread and butter.

*Thursday.*— Coffee, oatmeal, pickled codfish cooked in milk, potatoes, and bread and butter.

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

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

*Sunday.*— Coffee, oatmeal, boiled eggs, potatoes, and bread and butter.

##### DINNER.

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

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\* 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, and hard gingerbread.

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

*Wednesday.* — Tea, bread and butter, cake or gingersnaps, and some kind of relish.

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

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

*Saturday.* — Tea, bread and butter, cake or gingersnaps, sauce.

*Sunday.* — Tea, bread and butter, and cookies.

#### EXTRAS.

In the winter and spring months, hulled corn at supper on Saturdays.

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 eight halls, sauce, of either fresh or dried apples, is furnished four 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.

Strawberries, 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.

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\* 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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STATISTICAL TABLES.

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## STATISTICAL TABLES.

### 1. — General Statistics of the Year.

	Males.	Females.	Totals.
Patients in the hospital Oct. 1, 1899, . . . . .	295	295	590
Admitted within the year, . . . . .	133	110	243
Whole number of cases within the year, . . . . .	428	405	833
Viz.: insane, . . . . .	132	110	242
not insane, . . . . .	1	—	1
Discharged within the year, . . . . .	116	127	243
Viz.: as recovered at the time of leaving the hospital, . . . . .	34	24	58
as much improved, . . . . .	12	24	36
as improved, . . . . .	9	8	17
as not improved, . . . . .	19	22	41
not insane, . . . . .	1	—	1
On visit, . . . . .	1	—	1
Eloped, . . . . .	3	—	3
Deaths, . . . . .	37	49	86
Patients remaining Sept. 30, 1900, . . . . .	312	278	590
Viz.: supported as State patients, . . . . .	66	42	108
town patients, . . . . .	204	197	401
private patients, . . . . .	42	39	81
Number of different persons within the year, . . . . .	425	401	826
Persons admitted, . . . . .	133	109	242
Persons recovered, . . . . .	34	24	58
Daily average number of patients, . . . . .	296.48	279.85	576.33
Viz.: State, . . . . .	51.72	34.15	85.87
town, . . . . .	207.20	203.19	410.39
private, . . . . .	37.56	42.51	80.07

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.
<b>1899.</b>												
October, . . . . .	6	8	14	12	8	20	4	3	7	286.16	291.45	577.61
November, . . . . .	13	8	21	4	6	10	2	5	7	288.66	292.43	581.09
December, . . . . .	10	8	18	6	9	15	2	8	10	293.96	283.67	577.63
<b>1900.</b>												
January, . . . . .	6	9	15	4	5	9	4	3	7	291.19	278.74	569.93
February, . . . . .	6	2	8	4	4	8	2	1	3	287.85	279.46	567.31
March, . . . . .	20	14	34	6	12	18	5	3	8	290.25	278.90	569.15
April, . . . . .	14	18	32	11	10	21	2	6	8	300.96	280.16	581.12
May, . . . . .	12	9	21	10	5	15	2	7	9	297.70	276.09	573.79
June, . . . . .	15	7	22	5	9	14	5	2	7	301.43	272.43	573.86
July, . . . . .	9	15	24	4	6	10	4	5	9	304.90	272.77	577.67
August, . . . . .	11	7	18	8	3	11	2	2	4	305.74	274.54	580.28
September, . . . . .	11	5	16	4	1	5	3	4	7	309.00	277.66	586.66
Total of cases, . . . . .	133	110	243	78	78	156	37	49	86	-	-	-
Total of persons, . . . . .	133	109	242	78	78	156	-	-	-	-	-	-
Daily average, . . . . .	-	-	-	-	-	-	-	-	-	296.48	279.85	576.33



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

NUMBER OF ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First, . . . . .	110	83	193	—	—	—
Second, . . . . .	20	17	37	7	4	11
Third, . . . . .	1	7	8	—	3	3
Fifth, . . . . .	1	2	3	1	1	2
Sixth, . . . . .	1	—	1	—	—	—
Eighth, . . . . .	—	1	1	—	—	—
Total of cases, . . . . .	133	110	243	8	8	16
Total of persons, . . . . .	133	109	242	—	—	—

4. — *Relations to Hospitals of Persons admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital for insane, . . . . .	101	82	183
Former inmates of this hospital only, . . . . .	22	26	48
of other hospitals only, . . . . .	9	1	10
of this and other hospitals, . . . . .	1	1	2
Total of cases, . . . . .	133	110	243
Total of persons, . . . . .	133	109	242

5. — *Residence of Persons admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County, . . . . .	29	19	38
Hampden County, . . . . .	63	58	121
Berkshire County, . . . . .	24	21	45
Franklin County, . . . . .	16	10	26
Worcester County, . . . . .	1	—	1
Middlesex County, . . . . .	—	1	1
Totals, . . . . .	133	109	242
Cities or towns, . . . . .	103	81	184
Country districts, . . . . .	30	28	58
Totals, . . . . .	133	109	242

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

PLACES OF NATIVITY.	PATIENTS.			PARENTS.					
				MALES.		FEMALES.		TOTALS.	
	Ma.	Fe.	Tot.	Fa.	Mo.	Fa.	Mo.	Fa.	Mo.
Massachusetts, .	71	41	112	38	38	30	30	68	68
Other States, . .	20	22	42	21	20	17	17	38	37
Total native, .	91	63	154	59	58	47	47	106	105
Austria, . . . .	1	-	1	-	-	-	-	-	-
Bohemia, . . . .	-	1	1	-	-	1	1	1	1
Canada, . . . .	9	10	19	12	13	14	14	26	27
England, . . . .	-	3	3	-	-	4	4	4	4
Germany, . . . .	5	1	6	7	7	2	2	9	9
Ireland, . . . .	15	24	39	35	36	33	32	68	68
Italy, . . . . .	4	-	4	3	4	-	-	3	4
Poland, . . . . .	2	1	3	3	3	1	1	4	4
Prussia, . . . . .	1	-	1	1	1	-	-	1	1
Nova Scotia, . . .	-	-	-	1	1	-	-	1	1
Scotland, . . . .	3	5	8	8	6	5	6	13	12
Sweden, . . . . .	2	1	3	2	2	1	1	3	3
Wales, . . . . .	-	-	-	1	1	-	-	1	1
Total foreign, .	42	46	88	73	74	61	61	134	135
Unknown, . . . .	-	-	-	1	1	1	1	2	2
Totals, . . . . .	133	109	242	133	133	109	109	242	242



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, . . .	44	35	79	52	30	82	14	18	32	-	-	-	110	83	193
Second, . . .	13	5	18	6	9	15	1	2	3	-	1	1	20	17	37
Third, . . .	1	-	1	-	2	2	-	5	5	-	-	-	1	7	8
Fifth, . . .	1	1	2	-	1	1	-	-	-	-	-	-	1	2	3
Sixth, . . .	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
Eighth, . . .	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1
Total of cases, . . .	59	41	100	59	43	102	15	25	40	-	1	1	133	110	243
Total of persons, . . .	59	41	100	59	42	101	15	25	40	-	1	1	133	109	242







9. — *Occupation of Persons admitted.*

MALES.			
Barber, . . . . .	1	Machinists, . . . . .	7
Blacksmith, . . . . .	1	Motor-man, . . . . .	1
Book-keeper, . . . . .	1	Musicians, . . . . .	2
Brakeman, . . . . .	1	Messenger boy, . . . . .	1
Clerks, . . . . .	3	Mechanic, . . . . .	1
Contractor, . . . . .	1	Night watchman, . . . . .	1
Carpenter, . . . . .	1	No occupation, . . . . .	8
Cooper, . . . . .	1	Operatives, . . . . .	11
Cigar maker, . . . . .	1	Painters, . . . . .	2
Druggist, . . . . .	1	Physicians, . . . . .	3
Editor, . . . . .	1	Paper hanger, . . . . .	1
Engineer, . . . . .	1	Road master, . . . . .	1
Farmers, . . . . .	21	Salesmen, . . . . .	5
Florist, . . . . .	1	Silversmith, . . . . .	1
Fireman, . . . . .	1	Shoemakers, . . . . .	3
Gardeners, . . . . .	2	Steam fitter, . . . . .	1
Hostlers, . . . . .	3	Student, . . . . .	1
Janitor, . . . . .	1	Telegraph operator, . . . . .	1
Laborers, . . . . .	32	Tinsmith, . . . . .	1
Lawyer, . . . . .	1	Upholsterer, . . . . .	1
Liveryman, . . . . .	1	Woodworker, . . . . .	1

FEMALES.			
Book agent, . . . . .	1	Housewives, . . . . .	10
Clerks, . . . . .	4	Laundress, . . . . .	1
Cook, . . . . .	1	Nurse, . . . . .	1
Domestics, . . . . .	14	Operatives, . . . . .	16
Dressmakers, . . . . .	2	Teacher, . . . . .	1
Hairdresser, . . . . .	1	Waitress, . . . . .	1
Housekeepers, . . . . .	8	No occupation, . . . . .	11
Housework, . . . . .	5		



9. — *Occupation of Persons admitted — Concluded.*

WIFE OF —			
Baggage master, . . . .	1	Groceryman, . . . .	1
Barber, . . . . .	1	Laborer, . . . . .	4
Blacksmith, . . . . .	1	Machinist, . . . . .	1
Clergyman, . . . . .	1	Mill operative, . . . .	5
Cobbler, . . . . .	1	Night watchman, . . . .	1
Farmer, . . . . .	14	Salesman, . . . . .	1
Fireman, . . . . .	1		

10. — *Record of Cases admitted within the Year.*

PATIENTS.	Males.	Females.	Totals.
Admitted, . . . . .	133	110	243
Insane, . . . . .	132	110	242
Not insane, . . . . .	1	—	1
Discharged recovered, . . . . .	18	10	28
much improved, . . . . .	7	8	15
improved, . . . . .	5	3	8
not improved, . . . . .	6	8	14
not insane, . . . . .	1	—	1
on visit, . . . . .	1	—	1
Died, . . . . .	16	14	30
Remaining Sept. 30, 1900, . . . . .	79	67	146
Number likely to recover or improve, . . . . .	8	11	19

11. — *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.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital, . . .	6	6	12	-	-	-	1	-	1	-	-	-
15 years and less, . .	1	2	3	1	1	2	-	1	1	-	-	-
From 15 to 20 years, . .	4	9	13	3	7	10	1	2	3	-	-	-
20 to 25 years, . .	7	6	13	7	8	15	-	4	4	1	2	3
25 to 30 years, . .	12	8	20	15	6	21	5	2	7	1	3	4
30 to 35 years, . .	14	6	20	11	8	19	-	6	6	-	-	-
35 to 40 years, . .	10	14	24	14	14	28	-	5	5	1	2	3
40 to 50 years, . .	11	8	19	10	11	21	5	5	10	4	7	11
50 to 60 years, . .	10	7	17	13	9	22	7	4	11	7	7	14
60 to 70 years, . .	7	6	13	9	6	15	5	6	11	7	6	13
70 to 80 years, . .	15	5	20	11	8	19	7	6	13	7	15	22
Over 80 years, . .	1	4	5	7	4	11	3	4	7	9	7	16
Unknown, . . .	3	1	4	-	-	-	3	4	7	-	-	-
Total of persons, . .	101	82	183	101	82	183	37	49	86	37	49	86
Mean ages, . . .	42	40	41	46	42	44	55	47	49	63	60	61

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	6	12	5	-	5	11	6	17
Under 1 month, . . .	13	13	26	4	1	5	17	14	31
From 1 to 3 months, . . .	21	18	39	7	5	12	28	23	51
3 to 6 months, . . .	13	10	23	2	3	5	15	13	28
6 to 12 months, . . .	9	8	17	2	1	3	11	9	20
1 to 2 years, . . .	5	4	9	2	2	4	7	6	13
2 to 5 years, . . .	16	11	27	3	2	5	19	13	32
5 to 10 years, . . .	6	4	10	3	6	9	9	10	19
10 to 20 years, . . .	5	6	11	1	1	2	6	7	13
Over 20 years, . . .	3	1	4	2	5	7	5	6	11
Unknown, . . .	4	1	5	1	2	3	5	3	8
Total of cases, . . .	101	82	183	32	28	60	133	110	243
Total of persons, . . .	-	-	-	-	-	-	133	109	242
Average in years, . . .	2.53	2.44	2.49	3.83	7.48	5.65	2.81	3.74	3.24



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.			Totals.	
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.		
A. — Insane : —																							
Acute mania, . . .	4	10	14	4	7	11	2	1	3	2	3	5	1	1	2	1	1	2	5	13	9	13	
Chronic mania, . . .	16	17	33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	33	
Recurrent mania, . . .	6	6	12	4	6	10	1	1	2	1	2	3	—	—	—	—	—	—	—	—	—	12	
Puerperal mania, . . .	—	8	8	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8	
Acute delirium from chorea, . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	
Acute delirium from influenza and morphine, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	
Acute delirium from injury to head, . . .	1	—	1	1	—	1	2	10	12	—	—	—	—	—	—	—	—	—	—	—	—	1	
Acute melancholia, . . .	9	13	22	6	8	14	1	1	2	2	2	4	3	2	5	—	—	—	—	—	—	26	
Chronic melancholia, . . .	4	8	12	2	—	2	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	14	
Recurrent melancholia, . . .	2	2	4	2	—	2	1	1	2	1	—	1	—	—	—	—	—	—	—	—	—	4	
Circular insanity, . . .	2	2	4	1	1	2	1	1	2	1	—	1	—	—	—	—	—	—	—	—	—	4	
Acute alcoholic insanity, . . .	12	2	14	14	1	15	1	—	1	2	—	—	2	2	4	—	—	—	—	—	—	16	
Toxic insanity, . . .	6	1	7	2	1	3	1	—	1	2	—	—	2	2	4	—	—	—	—	—	—	7	
Paranoia, . . .	1	4	5	—	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	5	
Dementia, . . .	6	6	12	—	—	—	—	—	1	1	—	—	1	1	2	—	—	—	—	—	—	9	
Senile dementia, . . .	24	16	40	—	—	—	—	4	4	—	—	—	2	2	4	—	—	—	—	—	—	16	
Post-paralytic dementia, . . .	4	5	9	—	—	—	1	—	1	—	—	—	2	2	4	—	—	—	—	—	—	5	
Epilepsy, . . .	9	3	12	—	—	—	1	—	1	—	—	—	1	1	2	—	—	—	—	—	—	12	
Paresis, . . .	13	1	14	—	—	—	2	—	2	1	—	1	1	6	7	—	—	—	—	—	—	15	
Congenital mental deficiency, . . .	12	7	19	—	—	—	—	—	—	1	1	2	3	2	5	—	—	—	1	2	3	10	
B. — Not insane : —																							
Cocainism, . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	1	
Totals, . . .	133	110	243	34	24	58	12	24	36	10	8	18	22	22	44	1	—	1	37	49	86	243	

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, . . . . .	25	18	43	11	16	27	10	4	14	19	18	37	1	-	1	34	40	74	100	96	196
Second, . . . . .	6	3	9	1	5	6	-	4	4	3	2	5	-	-	-	3	7	10	13	21	34
Third, . . . . .	2	1	3	-	2	2	-	-	-	-	1	1	-	-	-	-	1	1	2	5	7
Fourth, . . . . .	-	1	1	-	1	1	-	-	-	-	1	1	-	-	-	-	-	-	-	3	3
Fifth, . . . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Sixth, . . . . .	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1
Eighth, . . . . .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	1
Total of cases, . . . . .	34	24	58	12	24	36	10	8	18	22	22	44	1	-	1	37	49	86	116	127	243
Total of persons, . . . . .	34	24	58	12	24	36	10	8	18	22	22	44	1	-	1	37	49	86	-	-	-



15. — *Causes of Death.*

CAUSES.	Males.	Females.	Totals.
Anuerism, femoral, . . . . .	—	1	1
Apoplexy, . . . . .	4	2	6
Bronchitis, . . . . .	—	1	1
Cancer of the stomach, . . . . .	1	—	1
Chronic interstitial nephritis, . . . . .	1	—	1
Embolism, pulmonary, . . . . .	1	—	1
Endocarditis, . . . . .	—	1	1
Enteritis, . . . . .	—	1	1
Epilepsy, . . . . .	1	—	1
Erysipelas, . . . . .	—	1	1
Exhaustion from long-continued suppuration of spina bifida, . . . . .	—	1	1
Fever, typhoid, . . . . .	1	6	7
Fever, malarial, . . . . .	1	1	2
Fibrous hepatitis, . . . . .	—	1	1
Heart disease, valvular, . . . . .	5	4	9
Influenza, . . . . .	—	2	2
Organic dementia, . . . . .	4	2	6
Paralysis, . . . . .	—	1	1
Paresis, . . . . .	5	2	7
Pericarditis, . . . . .	—	1	1
Peritonitis, . . . . .	—	1	1
Pernicious anæmia, . . . . .	—	1	1
Pneumonia, . . . . .	—	1	1
Pneumonia and progressive bulbar paralysis,	1	—	1
Pneumonia and senility, . . . . .	2	4	6
Pulmonary tuberculosis, . . . . .	2	5	7
Rupture of the heart, . . . . .	—	1	1
Senile gangrene, . . . . .	—	2	2
Senility, . . . . .	6	5	11
Septicæmia, . . . . .	1	1	2
Status epilepticus and typhoid fever, . . .	1	—	1
Totals, . . . . .	37	49	86

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, . . . . .	24	12	36	2	—	2	1	—	1	2	—	2
From 1 to 3 months, . . . . .	6	5	11	12	8	20	10	5	15	11	8	19
3 to 6 months, . . . . .	2	4	6	15	8	23	13	6	19	12	5	17
6 to 12 months, . . . . .	—	1	1	2	4	6	5	6	11	4	5	9
1 to 2 years, . . . . .	2	2	4	3	1	4	3	4	7	4	3	7
2 to 5 years, . . . . .	—	—	—	—	3	3	2	2	4	4	2	3
5 to 10 years, . . . . .	—	—	—	—	—	—	—	1	1	—	1	1
Totals, . . . . .	34	24	58	34	24	58	34	24	58	34	24	58
Average of known cases (in months), 2.06	2.65	2.33		5.00	7.26	5.86	7.06	9.91	8.10	7.96	10.91	8.95
										5.77	9.00	7.15



## 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, . . . . .	—	—	—	4	2	6	—	—	—	—	2	6
From 1 to 3 months, . . . . .	3	7	10	8	8	16	—	—	—	4	5	12
3 to 6 months, . . . . .	1	6	7	7	5	12	—	—	—	7	4	12
6 to 12 months, . . . . .	3	6	9	4	7	11	2	2	4	4	5	9
1 to 2 years, . . . . .	9	2	11	3	4	7	6	3	9	3	7	10
2 to 5 years, . . . . .	12	12	24	3	9	12	9	12	21	3	9	12
5 to 10 years, . . . . .	2	6	8	1	5	6	5	10	15	5	8	9
10 to 20 years, . . . . .	5	6	11	6	5	11	4	8	12	6	5	11
Over 20 years, . . . . .	2	4	6	1	4	5	7	9	16	1	4	5
Totals, . . . . .	37	49	86	37	49	86	37	49	86	37	49	86
Average of known cases (in months), . . . . .	64.19	65.81	65.12	45.70	70.63	60.14	109.89	136.44	125.02	114.08	141.02	129.43
										51.21	75.18	64.87





1877,	.	.	.	.	55	55	110
1878,	.	.	.	.	31	24	55
1879,	.	.	.	.	49	34	83
1880,	.	.	.	.	50	47	97
1881,	.	.	.	.	48	49	97
1882,	.	.	.	.	50	52	102
1883,	.	.	.	.	65	52	117
1884,	.	.	.	.	37	58	95
1885,	.	.	.	.	53	46	99
1886,	.	.	.	.	63	73	136
1887,	.	.	.	.	58	61	119
1888,	.	.	.	.	62	60	122
1889,	.	.	.	.	78	35	113
1890,	.	.	.	.	75	59	134
1891,	.	.	.	.	72	46	118
1892,	.	.	.	.	82	58	140
1893,	.	.	.	.	75	54	129
1894,	.	.	.	.	72	65	137
1895,	.	.	.	.	91	78	169
1896,	.	.	.	.	94	74	168
1897,	.	.	.	.	77	70	147
1898,	.	.	.	.	83	75	158
1899,	.	.	.	.	98	78	176
1900,	.	.	.	.	110	83	193
Totals,	.	.	.	.	2,878	2,678	5,556













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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
1858-59,	46	47	93	18	15	33	—	—	—	4	9	13	2	5	7	—	—	—	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	—	—	—	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	—	—	—	22	11	33
1870-71,	109	102	211	16	27	43	—	—	—	23	41	64	31	39	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	—	—	—	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	1	14	9	23	555	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	1	24	14	38	587	469
1882-83,	.	.	73	69	142	11	17	28	9	-	-	18	15	33	21	14	35	1	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	1	12	13	25	665	463
1884-85,	.	.	66	70	136	17	12	29	4	5	9	12	17	29	10	16	26	1	2	2	16	11	27	599	476
1885-86,	.	.	85	98	183	10	19	29	8	2	10	23	36	59	20	23	43	1	-	1	14	12	26	659	491
1886-87,	.	.	72	76	148	16	8	24	5	3	8	26	31	67	21	16	37	1	2	3	13	18	31	639	469
1887-88,	.	.	87	79	166	23	13	36	3	6	9	25	22	47	12	17	29	2	-	2	14	17	31	635	481
1888-89,	.	.	98	57	155	27	15	42	6	6	12	25	40	65	35	8	43	2	1	3	18	7	25	636	446
1889-90,	.	.	91	79	170	18	14	32	5	9	14	17	17	34	12	5	17	1	2	3	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	-	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	638	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	1	28	18	46	755	559
1896-97,	.	.	96	86	182	16	14	30	12	9	21	17	18	35	48	38	86	-	2	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	3	32	17	49	735	563
1898-99,	.	.	115	105	220	32	24	56	7	14	21	13	8	21	23	17	40	2	1	3	26	26	52	783	590
1899-1900,	.	.	133	110	243	34	24	58	12	24	36	10	8	18	22	22	44	1	-	1	37	49	86	833	590

21. — *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
1898-99, . . . .	72.15	403.24	87.93	563.32
1899-1900, . . . .	85.87	410.39	80.07	576.33



22. — *Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1900.*

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
1898-99, . . .	783	563.32	26	26	52	6.64	9.23
1899-1900, . . .	833	576.33	37	49	86	10.32	14.92

*23. — List of Articles made in the Sewing-room.*

Aprons, . . . . .	530	Ox blankets, . . . . .	4
Bureau covers, . . . . .	28	Pillow cases, . . . . .	317
Caps, . . . . .	699	Pillow ticks, . . . . .	137
Carpet strips, . . . . .	2	Roller towels, . . . . .	464
Carpeting, yards, . . . . .	100	Shirts, . . . . .	307
Chemises, . . . . .	53	Skirts, . . . . .	149
Clothes bags, . . . . .	4	Sheets, . . . . .	914
Camisoles, . . . . .	4	Spreads, . . . . .	8
Canopies, . . . . .	2	Shirt waists, . . . . .	7
Curtains, . . . . .	47	Suspenders, pairs, . . . . .	45
Drawers, . . . . .	54	Table cloths, . . . . .	43
Dresses, . . . . .	199	Towels, . . . . .	1,556
Mattress ticks, . . . . .	81	Underwaists, . . . . .	6
Napkins, . . . . .	185	Articles repaired, . . . . .	19,652
Night gowns, . . . . .	122		

*24. — Upholstery done in the Year.*

Hair mattresses made, new material, . . . . .	103
Hair mattresses made, new ticks, . . . . .	96
Hair mattresses made, old material, . . . . .	143
Hair pillows made, new material, . . . . .	48
Hair pillows made, new ticks, . . . . .	32
Hair pillows made, old material, . . . . .	103
Feather pillows made, . . . . .	42

*25. — Amount of Preserving done in Kitchen Department.*

Canned fruit : —		Preserves : —	
Blackberries, . . . . .	145 quarts.	Strawberries, . . . . .	364 quarts.
Rhubarb, . . . . .	140 quarts.	Damson plums, . . . . .	55 quarts.
Pears, . . . . .	128 quarts.	Green tomatoes, . . . . .	25 quarts.
Blueberries, . . . . .	115 quarts.	Peaches, . . . . .	15 quarts.
Currants, . . . . .	90 quarts.	Pears, . . . . .	10 quarts.
Peaches, . . . . .	29 quarts.	Sweet pickles : —	
Grapes, . . . . .	11 quarts.	Pears, . . . . .	47 quarts.
Cherries, . . . . .	6 quarts.	Cucumbers, . . . . .	25 quarts.
Tomatoes, . . . . .	154 gallons.	Peaches, . . . . .	15 quarts.
Jelly : —		Tomatoes, . . . . .	15 quarts.
Currant, . . . . .	138 glasses.	Chow chow, . . . . .	25 gallons.
Strawberry, . . . . .	84 glasses.	Pickled cucumbers, . . . . .	4 barrels.
Blackberry, . . . . .	12 glasses.		
Plum, . . . . .	9 glasses.		



26. — *Trustees of the Northampton Insane 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 Laflin,* . . . .	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. MacInnes, . .	Pittsfield, . . . . .	1893	—	Still in office.
F. W. Chapin, M.D., . .	Springfield, . . . .	1898	—	Still in office.

\* Deceased.

27. — *Officers and Employees.*

[Time employed Sept. 30, 1900.]

NAMES.	Years.	Months.	Days.
John A. Houston, M.D., superintendent, . . . . .	11	—	6
Justus G. Hanson, M.D., assistant physician, . . . . .	2	1	22
Harriet M. Wiley, M.D., assistant physician, . . . . .	—	7	29
Charles H. Dean, M.D., assistant physician, . . . . .	—	4	21
Lewis F. Babbitt, clerk and treasurer, . . . . .	8	11	18
Walter I. Dodge, engineer, . . . . .	5	4	29
John Mercier, farmer, . . . . .	33	2	—
Ida A. Porter, matron, . . . . .	2	1	29
Robert H. Gallivan, superintendent of nurses, . . . . .	27	5	12
Clara V. S. Glidden, superintendent of nurses, . . . . .	—	7	8
Florence Bedell, assistant to superintendent of nurses, . . . . .	—	9	5
Lucy A. Gilbert, marker of clothing, . . . . .	32	8	17
George N. Drury, steward, . . . . .	3	—	—
Mattie G. Jones, secretary to superintendent, . . . . .	8	10	15
Herbert W. Root, assistant steward, . . . . .	1	4	22
William J. Moore, assistant steward, . . . . .	3	11	3
George B. Walker, baker, . . . . .	16	3	17
Herbert E. Walker, assistant baker, . . . . .	2	6	17
Bessie M. Jones, seamstress, . . . . .	—	11	7
Charles E. Williams, laundryman, . . . . .	3	—	29
Kate Holcombe, laundress, . . . . .	1	9	4
Jennie S. Locke, laundress, . . . . .	—	2	25
Samuel L. Williams, nurse, . . . . .	8	3	3
Jay E. Cook, nurse, . . . . .	3	3	29
Robert A. Pike, nurse, . . . . .	2	3	29
Bernard Kilkenny, nurse, . . . . .	2	1	12
Fred J. Aldrich, nurse, . . . . .	1	10	13
Willard E. Wyman, nurse, . . . . .	1	5	24
Bernard Shover, watchman, . . . . .	1	5	—
Henry Bridger, nurse, . . . . .	1	5	7
William H. Morrill, nurse, . . . . .	—	11	21
Wayland A. Rexford, nurse, . . . . .	—	10	10
Charles A. Hammons, nurse, . . . . .	—	5	16
Vernon G. Rand, nurse, . . . . .	—	4	16
Austin P. Gill, night nurse, . . . . .	—	4	16
Alfred L. Billings, nurse, . . . . .	—	2	21
Robert W. Soper, nurse, . . . . .	—	2	18
Frank L. Hill, night nurse, . . . . .	—	2	8
David Somerville, nurse, . . . . .	—	2	8
James M. Campbell, night nurse, . . . . .	—	—	20
George W. Gerry, nurse, . . . . .	—	—	25
John W. McGrath, nurse, . . . . .	—	—	21
Mary A. Clark, nurse, . . . . .	2	6	7
Lilla Hamm, night nurse, . . . . .	1	11	3
Margaret Kennedy, night nurse, . . . . .	1	4	10
Mary E. Gardner, nurse, . . . . .	1	3	16
Edith Lytle, nurse, . . . . .	—	11	5
May E. Brannan, nurse, . . . . .	—	11	28
Jennie Hart, night nurse, . . . . .	—	11	9
Louise Hutchins, nurse, . . . . .	—	7	3



27. — *Officers and Employees — Concluded.*

NAMES.	Years.	Months.	Days.
Edith McLellan, nurse, . . . . .	—	5	28
Hattie Reed, nurse, . . . . .	—	5	25
Nora B. Chase, nurse, . . . . .	—	5	18
Jennie M. Phillips, nurse, . . . . .	—	4	1
Mattie Aldrich, nurse, . . . . .	—	3	24
Lilla B. Messenger, night nurse, . . . . .	—	3	15
Lena Melvin, nurse, . . . . .	—	1	8
Alice Allen, nurse, . . . . .	1	—	16
Myrtie Day, nurse, . . . . .	—	9	24
Elizabeth Hill, nurse, . . . . .	—	3	12
Ethel Craig, nurse, . . . . .	—	—	9
Georgie Craig, nurse, . . . . .	—	—	9
Alexandrine Grenier, door girl, . . . . .	1	10	14
Susie Warren, centre housework, . . . . .	6	6	8
Edith Metcalf, centre housework, . . . . .	—	11	17
Maggie McNamara, centre housework, . . . . .	—	11	2
Bridget Mansfield, rear housework, . . . . .	—	11	14
Jennie Robinson, employees' dining-room, . . . . .	—	1	17
Emma Peake, cook, . . . . .	1	2	26
Grace Bidwell, cook, . . . . .	—	1	29
Martha Moore, kitchen girl, . . . . .	—	3	7
Mary Curran, kitchen girl, . . . . .	—	—	24
Mary Britt, kitchen girl, . . . . .	—	—	12
William C. Day, night engineer, . . . . .	2	11	29
Walter B. Newton, assistant engineer, . . . . .	—	8	16
Henry B. Cuthbertson, assistant engineer, . . . . .	—	8	9
George W. Thorniley, florist, . . . . .	7	5	11
Nicholas Riel, gardener, . . . . .	23	8	8
Henry Mould, gardener, . . . . .	2	4	10
James Madden, gardener, . . . . .	24	—	28
Sifroi Belleville, carpenter, . . . . .	30	3	29
Walter M. Tower, carpenter, . . . . .	22	8	—
Alfred Parenteau, painter, . . . . .	34	1	17
Leon Parenteau, painter, . . . . .	1	11	29
George W. Braman, mechanic, . . . . .	11	10	7
Thomas P. Clair, plumber, . . . . .	2	5	1
David Mercier, coachman, . . . . .	23	7	13
Henry M. Wilson, assistant farmer, . . . . .	21	5	7
Patrick Eagan, farm laborer, . . . . .	8	—	7
Xavier Dion, farm laborer, . . . . .	7	3	16
Charles Ulrich, farm laborer, . . . . .	4	5	7
B. McNamara, farm laborer, . . . . .	2	5	8
J. Edward Brown, farm laborer, . . . . .	—	10	28
George Baldus, farm laborer, . . . . .	1	—	25
Prudent Nichole, farm laborer, . . . . .	—	11	—
Benjamin W. Reed, farm laborer, . . . . .	—	11	—
Henry W. Fuller, farm laborer, . . . . .	—	7	2
Lyman W. Searle, farm laborer, . . . . .	—	2	7

28. — *List of Persons regularly employed at the Northampton Insane Hospital, Sept. 30, 1900.*

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Superintendent and physician, . . . . .	per year, \$2,500 00
Assistant physician, . . . . .	" 800 00
Female physician, . . . . .	" 700 00
Assistant physician, . . . . .	" 600 00
Treasurer and clerk, . . . . .	" 1,800 00
Engineer, house rent and partial board, . . . . .	" 1,100 00
Farmer, . . . . .	" 780 00
Superintendent of nurses (2), . . . . .	per month, 50 00
Matron, . . . . .	" 37 50
Secretary to the superintendent, . . . . .	" 33 00
Seamstress, . . . . .	" 16 00
Laundryman, with board, . . . . .	" 35 00
Laundress, with partial board, . . . . .	" 22 00
Laundress, . . . . .	" 15 00
Laundress, . . . . .	" 14 00
Baker, . . . . .	" 45 00
Assistant baker, . . . . .	" 30 00
Steward, with partial board, . . . . .	" 60 00
Assistant steward, with partial board, . . . . .	" 45 00
Assistant steward, . . . . .	" 35 00
Nurse (male), . . . . .	" 35 00
Nurses (male, 7), . . . . .	" 30 00
Nurses (male, 2), . . . . .	" 25 00
Nurses (male, 5), . . . . .	" 23 00
Nurses (male, 7), . . . . .	" 21 00
Nurses (female, 7), . . . . .	" 20 00
Nurses (female, 4), . . . . .	" 16 00
Nurses (female, 6), . . . . .	" 15 00
Nurses (female, 5), . . . . .	" 14 00
Usher, . . . . .	" 16 00
Housework, centre (female), . . . . .	" 17 00
Housework, centre (female, 2), . . . . .	" 16 00
Cook (female), . . . . .	" 25 00
Cook (female), . . . . .	" 18 00
Kitchen girl (1), . . . . .	" 16 00
Clothes marker, . . . . .	" 25 00

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28. — *List of Persons regularly employed at the Northampton Insane Hospital, Sept. 30, 1900 — Concluded.*

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Kitchen girls (3), . . . . .	per month,	\$14 00
Employees' dining-room, . . . . .	"	14 00
Housework (rear), . . . . .	"	16 00
Watchman, . . . . .	"	30 00
Carpenter, . . . . .	per day,	2 25
Carpenter, . . . . .	"	2 00
Painter, . . . . .	"	1 75
Painter, . . . . .	per month,	50 00
Gardener, . . . . .	"	30 00
Gardener, . . . . .	"	27 00
Assistant engineer, . . . . .	"	35 00
Assistant engineers (2), . . . . .	"	30 00
Coachman, . . . . .	"	30 00
Florist, without board, . . . . .	"	50 00
Farm hands (3), . . . . .	"	30 00
Farm hands (4), . . . . .	"	28 00
Farm hands (4), . . . . .	"	25 00
Farm hand (1), . . . . .	"	26 00

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## FARM PRODUCTS IN 1900.

Apples, 1,478 barrels, . . .	\$1,478 00	Oat feed, 11 tons, . . .	\$110 00
Asparagus, 22 bushels, . . .	60 00	Onions, 225 bushels, . . .	135 00
Beans, shell, 67 bushels, . . .	33 50	Parsnips, 80 bushels, . . .	48 00
Beans, Lima, 43 bushels, . . .	21 50	Parsley, 2 bushels, . . .	1 50
Beets, 323 bushels, . . .	161 50	Pears, 57 bushels, . . .	57 00
Beet greens, 16 bushels, . . .	8 00	Pease, 71 bushels, . . .	53 25
Beef, 13,995 pounds, . . .	959 24	Peppers, 3 bushels, . . .	3 00
Broom brush, 1,500 pounds, . . .	75 00	Pie plant, 118 bushels, . . .	88 50
Broom seed, 80 bushels, . . .	32 00	Pigs roast, 7, . . .	14 00
Cabbage, 4,150 heads, . . .	160 00	Pigs sold, 366, . . .	1,229 43
Cantalopes, 3,219 pounds, . . .	32 19	Pork, 29,427 pounds, . . .	1,736 12
Carrots, 250 bushels, . . .	125 00	Potatoes, 2,296 bushels, . . .	1,377 60
Calves sold, 37, . . .	247 00	Posts, 121, . . .	18 50
Cauliflower, 30 heads, . . .	2 40	Pumpkins, 3 tons, . . .	30 00
Celery, 1,400 heads, . . .	38 83	Quince, 9 bushels, . . .	9 00
Cherries, 1 bushel, . . .	3 84	Rye, 117 bushels, . . .	70 20
Cider, 3,000 gallons, . . .	180 00	Radishes, 530 bushels, . . .	15 90
Citron, 400 pounds, . . .	4 00	Sales, . . .	20 10
Corn, sweet, 241 bushels, . . .	120 50	Spinach, 84 bushels, . . .	63 00
Corn, shell, 975 bushels, . . .	438 75	Squash, summer, 96 bush-	
Corn, fodder, 24 tons, . . .	144 00	els, . . .	48 00
Cucumbers, 184 bushels, . . .	92 00	Squash, winter, 18,180	
Currants, 24 bushels, . . .	82 00	pounds, . . .	181 80
Eggs, 397 dozens, . . .	111 68	Straw, 8 tons, . . .	96 00
Egg plant, 100, . . .	8 00	Strawberries, 2,463 quarts, . . .	246 30
Ensilage, 125 tons, . . .	437 00	Swiss chard, 39 bushels, . . .	18 50
Fowl, 834 pounds, . . .	166 80	Tomatoes, 201 bushels, . . .	100 00
Hay, first growth, 193 tons, . . .	2,895 00	Turnips, Swede, 215 bush-	
Hay, second growth, 30 tons, . . .	450 00	els, . . .	86 00
Hay, second quality, 3 tons, . . .	18 00	Turnips, English, 225	
Ice, 500 tons, . . .	500 00	bushels, . . .	45 00
Lettuce, 106 bushels, . . .	106 00	Veal, 360 pounds, . . .	38 90
Lumber, 15,730 feet, . . .	235 95	Watermelons, 13,257	
Milk, 47,953 gallons, . . .	9,590 60	pounds, . . .	1,325 00
Oats, 60 bushels, . . .	21 00	Wood, 53 cords, . . .	130 00

## Live stock belonging to the hospital : —

Cows, . . . . .	68	Horses, . . . . .	14
Bulls, . . . . .	4	Colts, . . . . .	2
Heifers, . . . . .	30	Swine, . . . . .	210
Yokes of oxen, . . . . .	4		











