

Thirty-fifth annual report of the Trustees of the Northampton Lunatic Hospital, for the year ending September 30, 1890.

Contributors

Northampton Lunatic Hospital.
Butler, Sarah M.
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THIRTY-FIFTH ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON LUNATIC HOSPITAL,
FOR THE
YEAR ENDING SEPTEMBER 30, 1890.

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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

MRS. SARAH M. BUTLER,	NORTHAMPTON.
ADAMS C. DEANE, M.D.,	. . . . .	GREENFIELD.
HENRY W. TAFT, Esq.,	. . . . .	PITTSFIELD.
LYMAN D. JAMES, Esq.,	. . . . .	WILLIAMSBURG.
NEHEMIAH A. LEONARD, Esq.,	. . . . .	SPRINGFIELD.
HON. ALVAN BARRUS,	. . . . .	GOSHEN.
MRS. SARAH A. WOODWORTH,	. . . . .	CHICOPEE.

RESIDENT OFFICERS.

EDWARD B. NIMS, M.D.,	. . . . .	<i>Superintendent.</i>
JOHN A. HOUSTON, M.D.,	. . . . .	<i>Assistant Physician.</i>
CHARLES M. HOLMES, M D.,	. . . . .	<i>Assistant Physician.</i>
EMILY F. WELLS, M.D.,	. . . . .	<i>Female Physician.</i>
WALTER B. WELTON,	. . . . .	<i>Clerk.</i>
JOHN MERCIER,	. . . . .	<i>Farmer.</i>
DANFORD MORSE,	. . . . .	<i>Engineer.</i>

TREASURER.

EDWARD B. NIMS,	. . . . .	NORTHAMPTON.
Office at the Hospital.		

SUBORDINATE OFFICERS.

ROBERT H. GALLIVAN,	. . . . .	<i>Male Supervisor.</i>
LUCY A. GILBERT,	. . . . .	<i>Female Supervisor.</i>
THOMAS C. POWERS,	. . . . .	<i>Steward.</i>
MINNIE A. SMITH,	<i>Seamstress.</i>
LIZZIE E. RICE,	<i>Laundress.</i>
GEORGE B. WALKER,	<i>Baker.</i>

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Commonwealth of Massachusetts.

TRUSTEES' REPORT.

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

The trustees herewith present for your consideration the thirty-fifth annual report of the Northampton Lunatic Hospital, giving in detail the operations, improvements and statistics for the year 1889-90. A comparison with the report of the previous year shows that the number of admissions within the year was larger by 15. The number of patients in the hospital was larger by 49 at the end of the year than at the end of the previous year.

The rate of mortality — 3.4 per cent. on the whole number treated, and 4.46 on the daily average population — was the smallest for any year in the history of the hospital. The financial condition of the hospital remains good.

We are again able to state that there has been no serious accident within the year, no case of contagious disease, and an unusually small amount of illness among the patients. Taking these facts as our basis, we must regard the results of the year as a proof of successful work and careful management.

The number of patients in the hospital Oct. 1, 1889, was 446, 217 of whom were men, and 229 women. Within the year 91 men and 79 women, making a total of 170, have been admitted. The total number under treatment for the year was 616, of whom 308 were men and 308 were women. The number of patients who left the hospital was 121, of whom 65 were men and 56 were women. Twenty-one persons died, — 12 men and 9 women. The number remaining

Sept. 30, 1890, was 495, of whom 243 were men and 252 were women. The average daily number was 470.5. The largest number in the hospital on any one day was 495, the smallest 439. Of the patients remaining in the hospital at the end of the year, 14 have been resident over thirty years, 22 between twenty and thirty years, 91 between ten and twenty years, 101 between five and ten years, 157 between one and five years, and 110 less than one year. Of the 121 patients who were discharged, 32 were discharged as recovered, 14 as much improved, 34 as improved, 17 as unimproved and 3 as not insane.

Your attention is called to the fact that the increase of patients in the hospital within the year was a natural one. All the commitments for the year were from the western district of the State. It is apparent that, unless relief is obtained from some quarter, the hospital is likely to be overcrowded in the ensuing year. As the other State hospitals are all full, it is not probable that much relief will be obtained until the new hospital for the chronic insane is erected.

The repairs and improvements in the hospital have been continued during the year. The amount of money expended each year for necessary repairs is large, and will continue to be so, on account of the length of time which the buildings have been in use. The whole interior wood-finishing must be soon renewed. Many new floors have been relaid; new bath-rooms and drying-closets have been made. A new departure was made in the erection of a green-house, which is now in process of construction. It is in size one hundred feet by twenty. It is designed to make use of the later and improved ideas in construction and heating.

The improvements have been continued on the farm, in improving the drainage and reclaiming waste lands. A new face stone wall was built, enclosing a large yard for farm purposes. The area of the farm has been increased by the purchase of about six acres of land, known as the Arnold lot, on Chapel Street. This lot contains one of the best building sites in the vicinity of the hospital.

The original plans of the hospital building were defective in some respects. New plans are now being made, which have for their object the remedying of these defects, and

which will improve the lighting and ventilation of the halls and rooms. It is also proposed to enlarge and improve the chapel, which has been too small since the population of the hospital has reached its present numbers. There is evident need of improved appliances and conveniences for the frequent assemblies and entertainments which are held there. The rear or working wing of the hospital includes, besides the chapel, the lodging-rooms for employees, the laundry, sewing-room, bakery, kitchen and store-rooms.

More room is needed, which can be obtained only by enlarging and changing the building. The act of the Legislature, which requires fire-escapes on all the buildings, will require a considerable outlay of money. To make these improvements and to bring the hospital up to the desired standard of completeness will make it necessary for us to ask for a liberal appropriation of money from the next Legislature.

The monthly meetings of the Board have been held regularly, at which the hospital has been thoroughly inspected, and the vouchers for all disbursements have been approved. The treasurer's report gives in detail the moneys received and expended, and the present financial standing of the hospital. The amount received for the support of each State, town or city patient, including clothing and damage, has been \$3.25 per week. The average weekly cost for all patients has been \$3.51. The total amount charged for each class of patients for the year is as follows:—

State patients,	\$16,544 81
Town patients,	52,656 07
Private patients,	16,287 03
Total,	<u>\$85,487 91</u>

A financial statement, giving the amount due the hospital, the money on hand, and the value of all purchased supplies on hand, together with the liabilities, has been presented to the Board by the treasurer at each of the monthly meetings. This enables us to see at a glance the amount of the real or working surplus of the institution. The income from the products of the farm is gradually increasing, and assists materially in the financial management of the hospital.

The staff of officers remains the same as at the beginning of the year. We have to record the death of Mr. F. J. Rice, who had been employed in the hospital for thirty-one years. For a large portion of that time he was at the head of the kitchen department. He was faithful and conscientious in the performance of his work, and thoroughly loyal to the interests of the institution.

The trustees take pleasure in commending the faithful services of the physicians and officers in charge of the institution.

SARAH M. BUTLER.
ADAMS C. DEANE.
HENRY W. TAFT.
LYMAN D. JAMES.
NEHEMIAH A. LEONARD.
ALVAN BARRUS.
SARAH A. WOODWORTH.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1890.

Superintendent and physician,	per year, \$2,500 00
Assistant physician, first,	" 1,200 00
Assistant physician, second,	" 500 00
Female physician,	" 900 00
Treasurer,	" 300 00
Treasurer, for clerk hire and paid to clerk,	" 200 00
Clerk,	" 1,200 00
Farmer,	" 700 00
Engineer,	" 900 00
Assistant clerk,	per month, 20 00
Supervisor (male),	" 40 00
Supervisor (female),	" 30 00
Assistant supervisor (female),	" 20 00
Seamstress,	" 20 00
Assistant seamstress,	" 16 00
Laundress,	" 18 00
Assistant laundresses (2),	" 18 00
Assistant laundress,	" 16 00
Baker,	" 40 00
Steward,	" 50 00
Assistant steward,	" 35 00
Attendants (male, 7),	" 30 00
Attendant (male),	" 25 00
Attendant (male),	" 23 00
Attendants (male, 4),	" 21 00
Attendants (female, 13),	" 18 00
Attendants (female, 2),	" 14 00
Night watch (female),	" 14 00
Housework, centre (female),	" 17 00
Housework, centre (female),	" 15 00
Housework, centre (female),	" 14 00
Cook (female),	" 18 00
Assistant cook (male),	" 30 00
Assistant cook (female),	" 16 00

Assistant cook (female),	per month,	\$15 00
Assistant cooks (female, 2),	"	14 00
Assistant baker (male),	"	25 00
Farmer's dining room (female),	"	15 00
Housework, rear building (female),	"	15 00
Watchman,	"	30 00
Carpenter,	per day,	2 25
Carpenter,	"	2 00
Painter,	per month,	50 00
Assistant engineer,	"	32 00
Night engineer, and gardener in summer,	"	30 00
Coachman,	"	30 00
Car boy,	"	16 00
Farm hands (2),	"	30 00
Farm hands (3),	"	28 00
Farm hand,	"	26 00
Farm hands (2),	"	25 00
Farm hands (2),	"	23 00

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1890.

Live stock on hand,	\$8,436 00
Produce of farm on hand,	10,558 20
Carriages and agricultural implements,	3,670 00
Machinery and mechanical fixtures,	5,915 00
Beds and bedding in inmates' department,	12,550 00
Other furniture in inmates' department,	7,100 00
Personal property of State in superintendent's department,*	8,900 00
Ready-made clothing,	2,715 77
Dry goods,	4,840 74
Provisions and groceries,	4,595 50
Drugs and medicine,	550 00
Fuel,	5,399 17
Library,	1,000 00
Paints and oils,	475 00
Total,	<hr/> \$76,705 38

* 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 apartments.

TREASURER'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

I hereby present my report, as treasurer of the hospital, for the fiscal year ending with the 30th of September, 1890. It contains, as usual, an appraisal of the property of the institution, an account of the receipts and the disbursements of money during the year, and the financial condition at its close.

ASSETS.

Four hundred and ninety-three acres of land,	\$52,121 00
Hospital building,	250,000 00
Farm house, \$1,900; brick house, \$1,900, .	3,800 00
Four dwellings,	2,000 00
Storehouse and shops,	15,000 00
Two barns,	5,150 00
Horse stable,	1,800 00
Scullery and wood house,	650 00
Lumber house,	1,000 00
Pump house,	900 00
Cart shed,	450 00
Coal house,	125 00
Piggery,	3,000 00
Cattle shed,	1,200 00
Fire-proofs for oils and paints,	500 00
Two ice houses,	450 00
Total,	<hr/> \$338,146 00

PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the trustee's report,	\$76,705 38
--	-------------

RECEIPTS.

Cash on hand Sept. 30, 1889,	\$18,868 96
Received from State treasurer,	16,384 41
from towns,	53,733 24
from individuals,	16,982 73
from sales,	2,316 63
from interest,	748 54
Total,	<hr/> \$109,034 51

PAYMENTS.

1. Salaries, wages and labor,	\$29,896 81
2. Provisions and supplies:—	
Meats of all kinds,	\$4,575 34
Fish of all kinds,	1,561 08
Fruit and vegetables,	2,570 76
Flour,	2,661 50
Grain and meal for table,	667 17
Tea, coffee and chocolate,	987 36
Grain and meal for stock,	2,508 84
Sugar and molasses,	2,065 76
Butter and cheese,	4,356 91
Salt and other groceries,	2,060 11
All other provisions,	806 56
	<hr/>
	24,821 39
3. Clothing,	2,491 75
4. Fuel and lights,	6,073 00
5. Medicines and medical supplies,	1,251 80
6. Furniture, beds and bedding,	4,641 26
7. Transportation and travelling expenses,	300 51
8. Ordinary construction and repairs,	3,213 09
9. Extraordinary construction and repairs,	2,204 06
10. Miscellaneous expenses, including:—	
1. Real estate,	\$2,015 00
2. Farm stock,	2,044 00
3. Farm supplies,	4,069 62
4. Water,	1,172 81
5. Minor expenses,	1,227 92
6. Contingencies,	730 27
	<hr/>
	11,259 62
Total expenditures,	<hr/>
	\$86,153 29

LIABILITIES.

Salaries and wages due Oct. 1, 1890,	\$3,932 25
Miscellaneous bills due,	2,188 76
	<hr/>
	\$6,121 01
Due the institution for board Oct. 1, 1890:—	
From State,	\$4,211 94
town,	13,767 87
individuals,	4,772 67
Due from treasurer, Sept. 30, 1890,	22,881 22
	<hr/>
	\$45,633 70

SUMMARY.

Total receipts,	\$109,034 51
Total payments,	86,153 29
	<hr/>
Cash on hand Sept. 30, 1890,	\$22,881 22

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Total liabilities,	\$6,121 01
Total debts due the institution,	45,633 70
Total expenditures,	86,153 29

Dividing this sum by 470.5, the average number of patients, we have the average expenditure per patient, . \$183 11 $\frac{35}{100}$
 And the average weekly expenditure per patient, . . 3 51 $\frac{11}{100}$

Deducting from the total expenditure,	\$86,153 29
The extraordinary expenses,	4,219 06

We have the current expenses, \$81,934 23

Dividing \$81,934.23 by 470.5, the average number of patients, we have the average expenditure per patient, . \$174 13 $\frac{87}{100}$
 Making the average weekly expenditure per patient, . . 3 33 $\frac{96}{100}$

Deducting from the current expenses,	\$81,934 23
The increase of personal assets,	2,206 65

We have the necessary cost for the year, \$79,727 58

Dividing \$79,727.58 by 470.5, the average number of patients, we have, as the annual cost of each patient, . \$169 45 $\frac{28}{100}$
 Making the average weekly cost of each patient, . . 3 24 $\frac{97}{100}$

EDWARD B. NIMS,
Treasurer.

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

A. C. DEANE,
 ALVAN BARRUS,
Auditors.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The history of the events of the past year, the details of the work which has been done and the results which have been accomplished, are for the most part already well known to you. It is well, however, to analyze these results, and to place them upon record, in order that you may reach a more complete understanding of the condition of the hospital, be able to compare the past with previous years, and have them for reference in the future. It is well also that the public should have knowledge of these facts, as they are the patrons of the institution. In presenting the thirty-fifth annual report of this hospital for the year 1889-90, your attention is called to the following table, which gives the movement of population and the general statistics:—

1. General Statistics.

	Males.	Females.	Total.
Patients in hospital Oct. 1, 1889,	217	229	446
Admitted within the year,	91	79	170
Whole number of cases within the year,	308	308	616
Discharged within the year,	65	56	121
Viz : as recovered,	18	14	32
much improved,	5	9	14
improved,	17	17	34
unimproved,	12	5	17
not insane,	1	2	3
Deaths,	12	9	21
Patients remaining Sept. 30, 1890,	243	252	495
Viz.: supported as State patients,	56	50	106
town patients,	152	166	318
private patients,	35	36	71
Number of different persons within the year,	305	306	611
Persons admitted,	89	79	168
Persons recovered,	18	14	32
Daily average number of patients,	228.58	241.92	470.5

On the 1st of October, 1890, two women and three men were transferred from State to town charge. Hence the new year will begin with —

	Males.	Females.	Totals.
State patients,	53	48	101
Town patients,	155	168	323

The total number of cases admitted within the year was 170, — 91 men and 79 women. At the beginning of the year there were in the hospital 217 men and 229 women, making in all 446 persons; which makes the whole number under treatment 616, — 308 men and 308 women. The daily average was 470.5: men, 228.58; women, 241.92. One hundred and twenty-one cases were discharged, including 21 deaths: men, 65; women, 56. The number remaining at the end of the year was 495 (men, 243; women, 252), an increase for the year of 49. As the increase in the number of cases admitted was but 15 over that of the previous year, the lessened number of discharges will account for the gain in population. The large proportion of incurable and protracted cases admitted is the evident reason for this change. Of those discharged, 75 returned to their homes, 5 were removed to almshouses, 12 were removed out of the State, 2 eloped, 6 were removed to other hospitals. One man was admitted and discharged twice; one man was admitted, discharged and readmitted; one man was discharged and readmitted, two women were discharged and readmitted, all within the year; which makes the number of persons admitted within the year 168, — 89 men and 79 women. The number of persons discharged was 120, — 64 men and 56 women. The whole number of persons under treatment was 611, — 305 men and 306 women. The largest number of patients in the house on any one day was 495, and the smallest 439. The number of first admissions of cases was 134; of second admissions, 26; of third admissions, 5; of fourth, 3; of fifth, 1; and of fifteenth, 1.

STATUS OF PATIENTS.

The relative proportion of the different classes of patients has not changed materially within the year. At the beginning there were in the hospital 88 State, 297 town and 61 private patients. Of the 170 cases admitted, 48 were supported by the State, 93 by towns and cities, and 29 by individuals; of the 121 discharged, 25 were State, 75 town and 21 private patients; leaving the number at the end of the year, respectively, 106 State, 318 town and 71 private.

The weekly average of the different classes, as given in the weekly returns which are made to the State Board of Lunacy and Charity, is given in the following table, showing the comparative standing for two years past:—

	1888-89.			1889-90.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, .	56.56	48.11	104.67	48.42	48.44	96.86
Town patients, .	145.51	157.50	303.01	151.46	159.71	311.17
Private patients, .	29.38	31.93	61.31	28.42	33.65	62.07

The custom which prevails in this State of supporting the patients in the hospitals in the different classes, has undoubtedly some advantages over the method pursued in some States of supporting such patients by direct State appropriations. The friends of patients often desire that they shall have better accommodations than the legal rate will give them, and also have a strong feeling of pride in maintaining them, and not allowing them to become objects of charity. This custom also brings individuals and towns and cities into more intimate personal relations with the hospitals. The personal interest is stronger in those patients whose bills they pay, and influences are often brought to bear on the patient which are very effective.

I fail to see any good reason why patients in the hospitals should not be cared for by the towns and cities as well as other persons who are dependent. If all patients in the

hospitals were supported by the State, there would undoubtedly be a strong inclination on the part of the towns and cities to avail themselves of the State provision, and thereby increase the number of patients in the hospitals. Under the present arrangement, individuals, towns and cities often have a strong motive for securing the discharge of mild and incurable cases, and in procuring homes and occupation for them.

RECOVERIES.

Thirty-two patients were discharged as recovered, including 5 inebriates. Of these, 1 had previously been discharged as recovered. It is perhaps proper to say that many who are committed to the hospital under the dipsomaniac act are in the truest sense of the word insane. The per cent. of recoveries, reckoned on the number admitted, is 18.8; on the number discharged, 26.6; on the number discharged, exclusive of death, 32. Of the 17 persons discharged as unimproved, 4 were removed out of the State, 6 were removed by friends to their homes, 3 went to almshouses, 3 to the Massachusetts School for Feeble-minded and 1 to the McLean Asylum.

DEATHS.

The past year has been an exceptional one, both in the small amount of sickness which has prevailed and in the comparatively small number of deaths. Twelve men and 9 women died. The rate per cent., reckoned on the whole number of cases under treatment, was 3.4; and, reckoned on the daily average population, 4.46. As will be seen from the accompanying table, this is the lowest percentage for any year since the opening of the hospital. It is gratifying to record this fact, as it is an indication of the good degree of health among the patients, and as it militates against the theory that the small death rate in this hospital was owing largely to the chronic character of its population. There is a regular increase in the number of acute cases admitted each year, without a corresponding increase in the death rate. But one of the deaths which occurred within the year was caused directly by acute disease. This was a case of acute mania, in which death resulted from exhaustion. Two

deaths were caused by Bright's disease, two by exhaustion of chronic mania, and one from exhaustion of senile mania. In three cases paresis was the cause; and in two, phthisis. Cancer, paralysis, epilepsy and old age each caused one death. Three died of chronic brain disease; one man, and one woman who had been for a long time in feeble health, died of apoplexy, having survived several attacks of the same disease. The epidemic "La Grippe," which prevailed so extensively in the winter, occasioned but one serious case of illness among the patients. One man, who had been epileptic for many years, and also had serious disease of the lungs, contracted the disease, which resulted in pneumonia and subsequently in death. One man, who was in the last stage of paresis when admitted, remained five weeks in the hospital, and was removed by friends, at their own request, to his home, where he soon died. All others who left the hospital within the year are living at the present time, as far as known. The last case of suicide occurred in October, 1884. Of the 21 persons who died, 3 were supported by the State, 17 by towns, and 1 by individuals.

The following table gives the yearly number of deaths, and the ratios, since 1858:—

Deaths and their Ratios, from Sept. 30, 1858, to Oct. 1, 1890.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Aver- age No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Aver- age 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

Deaths and their Ratios, etc. — Concluded.

OFFICIAL YEAR.	Whole No. of Patients.	Daily Aver- age No. of Patients.	DEATHS.			Per Cent. on Whole No. of Patients treated.	Per Cent. on Daily Aver- age No. of Patients.
			Men.	Women.	Totals.		
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

WORSHIP AND ENTERTAINMENT.

Religious services have been held in the chapel regularly on Sabbath afternoons during the year. The attendance at these services is voluntary on the part of the patients. It has been the custom to hold these services on Sabbath afternoons since the opening of the hospital, for all who are willing to attend them and who are in a condition which makes it proper for them to do so. The good order and attention given to the exercises are always noticeable, especially to strangers who are present. Serious interruptions are very rare. The frequent evening entertainments which have been customary for the past twenty-five years were continued through the year, with about the usual variety.

Exercises in Chapel.

1. ON THE SABBATH:—

Divine worship,	52 days.
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2. ON SECULAR EVENINGS:—

(a) *Readings and Recitations, opened and closed with music:—*

The Bible and selections of poetry,	. . . . .	30 days.
The Bible and selections of prose,	. . . . .	4 days.
The Bible and selections of poetry and prose,	. . . . .	18 days.
Miscellaneous selections of prose,	. . . . .	84 days.
Miscellaneous selections of poetry,	. . . . .	4 days.
Miscellaneous selections of poetry and prose,	. . . . .	47 days.

(b) *Other Entertainments:—*

Pictures shown with the stereopticon,	. . . . .	9 days.
Concerts,	. . . . .	1 day.
Ventriloquism,	. . . . .	1 day.

(c) *Social Assemblies:—*

Quadrille parties,	. . . . .	26 days.
No Assembly,	. . . . .	89 days.

365 days.

FARM.

The present year has been a very productive one for the hospital farm, in nearly every crop. The careful and continued good cultivation of the soil is resulting in a gradual increase of products from year to year. The amount of hay harvested is larger than in any former year, and is now sufficient to supply the demand. The apple crop was unusually fine, and demonstrated the advantage of special cultivation.

The experience of each succeeding year confirms the opinion that a well-managed farm is both useful and helpful to a hospital in various ways. The farm now contains about 493 acres. The present stock on the farm consists of 13 horses and colts, 106 head of cattle, 282 swine and 325 fowls. The yearly product of hay is given in the following table :—

1864, estimated, . . . 40 tons.	1878, weighed, . . . 179 tons.
1865, " . . . 62 "	1879, " . . . 144 "
1866, " . . . 42 "	1880, " . . . 154 "
1867, weighed, . . . 82 "	1881, " . . . 213 "
1868, " . . . 86 "	1882, " . . . 170 "
1869, " . . . 91 "	1883, " . . . 197 "
1870, " . . . 74 "	1884, " . . . 174 "
1871, " . . . 75 "	1885, " . . . 251 "
1872, " . . . 91 "	1886, " . . . 269 "
1873, " . . . 84 "	1887, " . . . 302 "
1874, " . . . 120 "	1888, " . . . 305 "
1875, " . . . 100 "	1889, " . . . 331 "
1876, " . . . 111 "	1890, " . . . 336 "
1877, " . . . 154 "	

Sixty-five hogs were slaughtered, the total weight of which was 25,189 pounds. The heaviest weighed 616 pounds.

Special care is taken in feeding the animals to prevent them from contracting disease, and portions of each one which is slaughtered are examined with the microscope, to test the condition.

The amount of pork raised is larger than is consumed. The annexed table gives the yearly product of pork :—

Pork raised upon the Farm.

1865,	6,265 pounds.	1878,	14,451 pounds.
1866,	5,443 "	1879,	13,569 "
1867,	7,416 "	1880,	14,729 "
1868,	7,791 "	1881,	15,610 "
1869,	8,469 "	1882,	14,414 "
1870,	7,447 "	1883,	15,612 "
1871,	7,863 "	1884,	10,192* "
1872,	11,366 "	1885,	17,544 "
1873,	10,511 "	1886,	21,503 "
1874,	12,024 "	1887,	26,331 "
1875,	12,693 "	1888,	18,465 "
1876,	12,467 "	1889,	19,227 "
1877,	13,605 "	1890,	25,189 "

The total value of the farm products exceeds those of any former year. There were produced within the year 28,050 gallons of milk, one-third of this amount being given in the table of products, the remaining two-thirds being accounted for in the value of the animal and the food consumed. The object and the end sought for in the management of the farm is to cultivate such crops as will most directly meet the wants of the hospital. The value of such crops does not depend upon the prices which such articles will bring in outside markets, but according to their usefulness to the hospital. Hence the variety of products which are cultivated. The price of board of patients is fixed and essentially always the same. There is always a ready home market, and hence very little waste. The profit of the farm depends thus largely upon the cheapness with which such products can be raised. The labor of patients comes in here as an important element; and, while such labor does not receive any direct remuneration, yet it indirectly contributes to the comfort and welfare of the patients by the increased means of support which their labor furnishes.

List of Farm Products in 1890.

Hay (first growth of home farm), 232½ tons,	\$3,022 50
Hay (south lot), 24½ tons,	315 25
Hay (Clarke orchard), 14½ tons,	185 25
Hay (aftergrowth of whole farm), 65½ tons,	851 50

* Quantity diminished by disease.

Corn fodder (dry), 27 tons,	\$135 00
Corn, 460 bushels,	267 00
Straw, 11 tons,	110 00
Potatoes, 2,632 bushels,	1,579 20
Broom seed, 50 bushels,	20 00
Broom brush, 900 pounds,	54 00
Carrots, 150 bushels,	60 00
Sugar beets, 400 bushels,	120 00
Beets, 205 bushels,	123 00
Onions, 436 bushels,	261 60
Turnips, 483 bushels,	144 90
Parsnips, 70 bushels,	42 00
Beans (Lima), in shell, 30 bushels,	60 00
Beans (common), in shell, 132 bushels,	132 00
Beans (string), 30½ bushels,	30 50
Peas (green), in pod, 117 bushels,	117 00
Sweet corn (green), in ear, 233 bushels,	175 12
Tomatoes, 110½ bushels,	110 50
Lettuce, 113 bushels,	113 00
Cucumbers, 190 bushels,	190 00
Squash (summer), 92½ bushels,	92 50
Squash (winter), 10,000 pounds,	150 00
Melons, 12,800 pounds,	128 00
Asparagus, 11½ bushels,	34 50
Pie plant, 99½ bushels,	99 50
Beet greens, 70 bushels,	70 00
Spinach, 24 bushels,	24 00
Cabbage, 3,400 heads,	68 00
Currants, 18½ bushels,	55 50
Apples, 748 barrels,	2,057 00
Pears, 24½ bushels,	18 37
Quinces, 8½ bushels,	18 75
Beef, 17,231 pounds,	1,021 02
Veal (raised here), 978 pounds,	98 30
Pork, 25,189 pounds,	1,385 39
Pigs sold, 233,	599 75
Pigs, roasting, 8,	16 00
Chickens, 869 pounds,	163 17
Heads and plucks, 11,	11 00
Eggs, 669 dozen,	162 70
Milk (grass-fed), 9,350 gallons,	2,243 42
Cider, 50 barrels,	197 00
Calf-skins, 11,	6 00
Young calves sold, 11,	32 00
Wood, 60 cords,	180 00
Ensilage, 125 tons,	312 50
Celery, 600 heads,	25 00
Posts, 21,	2 62
Lumber, 3,040 feet,	45 60

Husks (corn), 1 ton,	\$12 00
Ice, 200 tons,	400 00
Rye, 80 bushels,	48 00
Grapes, 1 bushel,	2 00
Citron, 250 pounds,	5 00
	<hr/>
	\$18,003 91

HOW THE HOSPITAL IS SUPPORTED.

The following financial exposition is the same that was published in the annual report of 1888-89, with the exception of changes necessary for its adaptation to present circumstances.

Although a State institution, this hospital has received no gratuitous assistance from the State since the spring of 1867. Since that time it has relied for its income solely upon the products of its farm, the board bills of its patients, and the small sum of \$10 each for the funeral expenses of State patients who die in the hospital, and whose remains are not removed for burial. The receipts from the last-mentioned source during the year were \$20.

For the entire support of State patients, including clothing and all loss from breakage and other kinds of destruction, the hospital received \$3.50 each per week from the treasury of the Commonwealth, from April 1, 1870, to April 1, 1879. For one year after the latter date it received but \$3 each per week; and since April 1, 1880, it has received \$3.25 each per week. This is a compensation fixed by the statute law. One hundred and six, or more than one-fifth, of the inmates now belong to this class. During the past year the weekly average of them was 20.59 per cent. of the whole. For town patients it has received, and now receives, from the treasuries of the towns, respectively, in which these patients have legal settlements, the same sum per week (\$3.25 each) as from the State treasury for State patients.

Formerly the towns clothed their patients and remunerated the hospital for damages done by them, but have not done so since April 1, 1888. Three hundred and eighteen of the inmates are now in this class. The weekly average of them for the year was 66.11 per cent. of the whole.

For private patients there is no uniform price. The average pay from all who were here Sept. 30, 1890, was \$4.905 each per week. Clothing and damages are extra charges. The weekly average of these patients during the past year was a fraction over 13.19 per cent. of the whole. The average weekly pay per capita, charged by the hospital for all of its patients, State, town and private, in the course of the year, is \$3.487.

Such are the pecuniary resources of the institution. We turn to the results of the finances of the last twenty-five years. In April, 1865, the hospital was freed from debt. The financial statement at the close of that month showed a balance of \$302.04 in its favor. Between that time and the 1st of June, 1867, it received a direct bonus from the State of \$5,000 in two appropriations, for specific purposes, — one of \$2,000 and the other of \$3,000.

As an offset to the \$5,000 bonus, the hospital has purchased and paid for several lots of land, amounting to nearly 302 acres, together with five dwelling-houses. The total cost of this real estate was \$39,205.52. The State has, then, in this way alone, been overpaid for its bonus in the sum of \$34,205.52. The amount paid by the hospital for repairs and improvements in the course of the last year is \$5,417.15; in the course of the twenty-five years from Sept. 30, 1865, to Sept. 30, 1890, it is \$279,128.42. The surplus of cash assets now on hand is \$39,512.69, or \$39,210.65 larger than it was on the 30th of April, 1865.

The purchased provisions and supplies, including fuel and stored clothing now on hand, are estimated to have cost \$17,146.18. The estimated value of similar supplies on the 30th of April, 1865, was \$2,500. The increase of assets under this head is, therefore, \$14,646.18. The value of household furniture in the hospital is, at a low estimate, at least \$10,000 greater than it was on the 30th of April, 1865, at the same rate or standard of appraisal. To be certain, however, of no exaggeration, let it be called \$8,000. Collecting these several sums, the account of debit of the Commonwealth to the hospital appears to be as follows: —

Excess of cost of land over direct bonus,	\$34,205 52
Repairs and improvements,	279,128 42
Excess of present cash assets,	39,210 65
Increase of provisions and supplies,	14,646 18
Increase of furniture,	8,000 00
Total,	<hr/> \$375,190 77

The necessary current repairs of the building may be estimated at \$3,000 annually. Deducting this sum for each of the twenty-five years since Sept. 30, 1865, a total of \$75,000, there is a remainder of \$300,190.77. To this amount, then, has the hospital assisted itself to things, for most of which it is generally expected that such institutions will rely on direct appropriations from the treasury of the Commonwealth.

In the preparation of this summary we have taken into account only the actual disbursements of money by the hospital in contributing to its own improvements. But, aside from this, a large amount of work in effecting those improvements was performed by the teams of horses and cattle belonging to the institution, and by the regular corps of its employees. Agreeably to all correct business principles, as well as to the custom at some similar institutions, the hospital should be accredited with the amount of the value of this labor, but no credit has ever been given for it. Many thousands of dollars might in this direction be justly added to the sum above mentioned, as the product of the efforts of the hospital in the promotion of its own material progress.

In connection with the above exposition, it may be interesting to know to what extent the tax payers of the State have contributed to the institution. From a list furnished by the State treasurer, of all the appropriations made, either for the construction, the repairs or the improvements of the hospital, I find that, from the time of the passage of the act authorizing its erection down to the present day, it has cost the people of the Commonwealth only \$375,550.

HOSPITAL TREATMENT.

The man who lives beyond his income soon becomes bankrupt; so the man who expends his strength and vitality faster than he lays it up in store soon fails in health, physically and often mentally. It becomes an important question, then, in the treatment of insanity as well as in other disorders, how to preserve and restore the normal balance between the outgoing and incoming energies of the body. We cannot expect to overcome at once the morbid tendencies which are the result of unfavorable influences extending back through generations. We may not restore to soundness the organs which are structurally diseased, but we can, and often do, bring about more healthful conditions, and place the patient on the road to recovery.

The medical service in a hospital has special advantages, inasmuch as the patient is under the direct supervision of the physician. Any case of illness may receive immediate and as frequent attention as the conditions demand. The administration of medicine is under his complete control. He can regulate the surroundings of the patient as to sanitary condition, diet, nursing, exercise and occupation. The abridgment of personal liberty brings a very strong influence to bear upon the patient. The regularity of hospital life and discipline and restraint are often serviceable in correcting those eccentricities and peculiarities which the insane are so liable to fall into, and lead to the formation of habits which are necessary to physical and mental health.

The opprobrium of hospital treatment is the small percentage of cures which are effected. It is unquestionably true that in the light of present medical knowledge a large proportion of the cases admitted to the hospitals are incurable when admitted. The entrance to the hospital is often the last resort, after all other known means of cure are exhausted. When the best efforts of medical skill have failed, and when the round of moral treatment has lost its charm, the patient comes to the hospital for help. Can it be wondered at that the last experiment so often fails? Yet statistics and experience show that the conditions of hospital life are peculiarly efficacious in benefiting and restoring to

health thousands of cases which come under its supervision and care, and upon this must we rely until science shows us a better way.

ACKNOWLEDGMENTS.

The hospital is indebted to Mr. S. E. Bridgman, to Mrs. D. D. Gorham and to Miss Florence Austin for contributions of magazines and papers; to Mrs. S. M. Butler and Mrs. S. A. Woodworth for numerous gifts to patients; to the "N. E. Staaten Zeitung" for two copies of their paper during the year, and the "Christian Register" for one copy. Miss Herrick and Miss and Messrs. Kidder have favored the hospital with several concerts. Mr. Leitch gave a lecture illustrated with the stereopticon, and Dr. T. W. Meekins a series of stereopticon exhibitions during the winter. Many others contributed reading matter at various times.

CONCLUSION.

Mr. F. J. Rice, who had been steward of the institution for over thirty years, and who had always been a faithful and efficient officer, was removed by death. Mr. T. C. Powers succeeded him in this position.

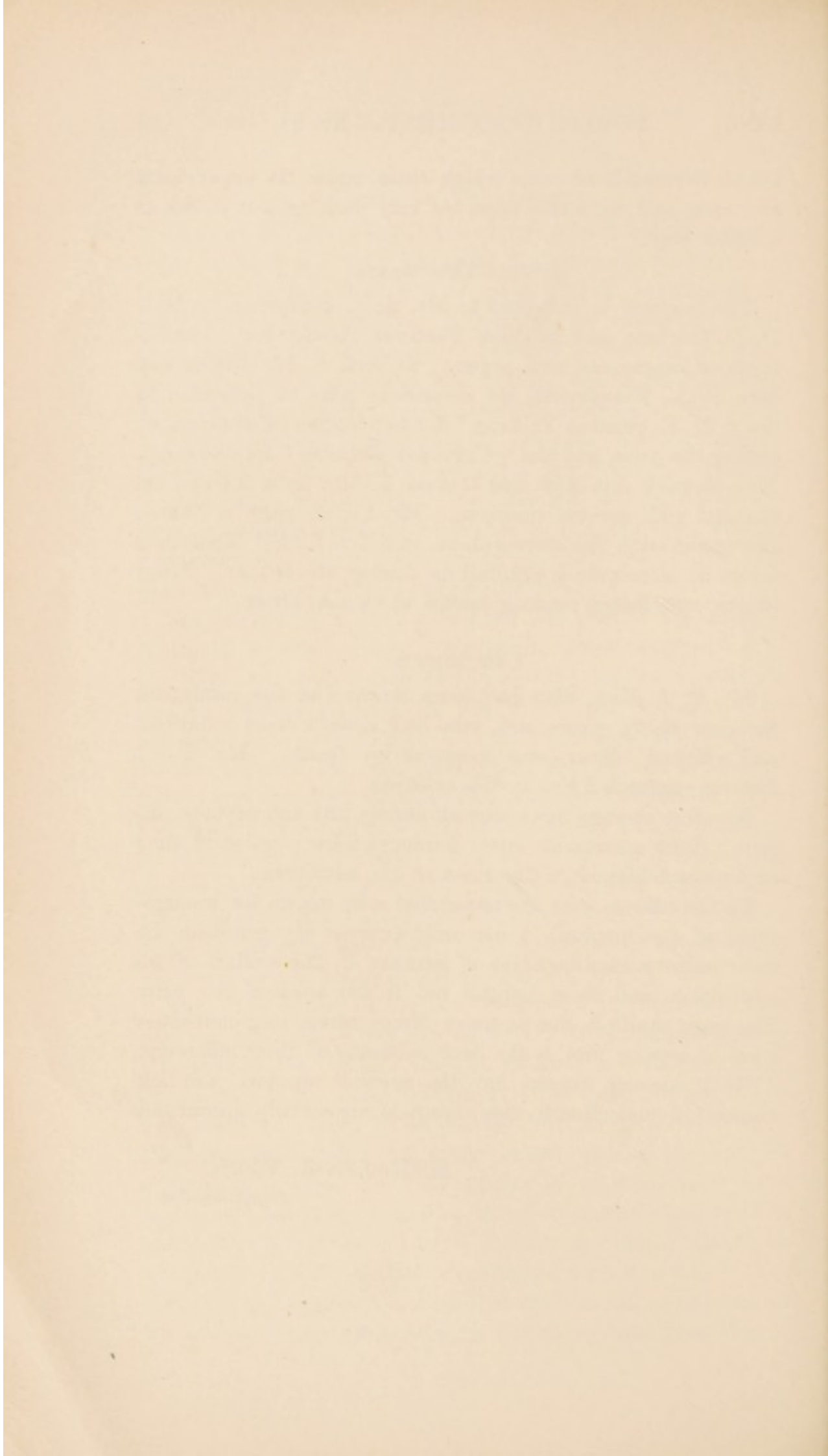
No other change has occurred among the subordinate officers. Four attendants were discharged for neglect of duty or for disobedience of the rules of the institution.

To the officers who are associated with me in the management of the hospital, I can only express my gratitude for their uniform manifestation of interest in the welfare of the institution, and their helpful aid in the work of the year. The same credit is due to many others whose long-continued term of service here is the best evidence of their efficiency.

With sincere thanks for the cordial support, aid and counsel of your Board, this report is respectfully submitted.

EDWARD B. NIMS,

Superintendent.



APPENDIX.

APPENDIX

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

MONTHS.	ADMISSIONS.			DISCHARGES (including Deaths).			DAILY AVERAGE OF PATIENTS IN THE HOUSE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
1889.									
October, . . .	5	6	11	5	5	10	213.52	227.09	440.61
November, . . .	7	9	16	4	5	9	217.33	233.	450.33
December, . . .	12	5	17	5	4	9	225.42	235.03	460.45
1890.									
January, . . .	6	8	14	2	4	6	228.87	236.19	465.06
February, . . .	9	8	17	6	2	8	233.07	239.54	472.61
March, . . .	6	8	14	6	6	12	233.71	247.52	481.23
April, . . .	7	2	9	7	6	13	234.166	246.166	480.33
May, . . .	7	6	13	9	4	13	231.52	244.16	475.68
June, . . .	5	7	12	8	5	13	229.266	244.666	473.93
July, . . .	7	9	16	6	7	13	228.52	249.13	477.65
August, . . .	7	5	12	4	4	8	231.838	249.225	481.06
September, . . .	13	6	19	3	4	7	236.37	251.3	487.67
Total of cases, .	91	79	170	65	56	121	-	-	-
Total of persons, .	89	79	168	64	56	120	-	-	-
Daily average for the year, .	-	-	-	-	-	-	228.58	241.92	†470.5

* For Table No. 1, see the beginning of the superintendent's report.

† These totals are obtained by a division of the sums of daily residence for the year by 365, the number of days in the year.

3. *Received on First and Subsequent Admissions.*

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	75	59	134	-	-	-
Second,	12	14	26	4	3	7
Third,	2	3	5	1	3	4
Fourth,	1	2	3	2	6	8
Fifth,	-	1	1	-	3	3
Fifteenth,	1	-	1	4	-	4
Total of cases, . . .	91	79	170	11	15	26
Total of persons, . . .	90	79	169	8	8	16

4. *Ages of Persons admitted for the First Time.*

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Congenital,	—	—	—	—	—	—
Fifteen years and less,	3	2	5	—	—	—
From 15 to 20 years,	—	1	1	1	—	1
20 to 25 years,	9	9	18	7	10	17
25 to 30 years,	8	6	14	15	9	24
30 to 35 years,	7	6	13	10	6	16
35 to 40 years,	7	8	15	13	4	17
40 to 50 years,	11	9	20	11	12	23
50 to 60 years,	6	6	12	12	9	21
60 to 70 years,	2	3	5	2	4	6
70 to 80 years,	2	1	3	3	3	6
Over 80 years,	1	2	3	1	2	3
Not insane,	1	1	2	—	—	—
Unknown,	18	5	23	—	—	—
Total of persons,	75	59	134	75	59	134

5. *Parentage of Persons admitted.*

PLACES OF NATIVITY.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	—	1	1	—	1	1
New Hampshire,	—	1	1	1	1	2
Vermont,	5	5	2	1	7	6
Massachusetts,	27	22	17	19	44	41
Connecticut,	5	7	1	2	6	9
New York,	1	4	7	7	8	11
Pennsylvania,	—	1	—	—	—	1
New Jersey,	1	—	—	—	1	—
Indiana,	—	1	—	—	—	1
Michigan,	1	—	—	—	1	—
Kentucky,	1	1	—	—	1	1
Canada,	4	3	5	5	9	8
England,	6	3	—	2	6	5
Ireland,	27	30	35	34	62	64
Scotland,	1	1	—	—	1	1
Germany,	2	2	5	3	7	5
Austria,	1	1	—	—	1	1
Holland,	—	—	—	1	—	1
Bohemia,	—	—	1	1	1	1
Poland,	1	1	—	—	1	1
Unknown,	6	5	4	3	10	8
Total of persons,	89	89	79	79	168	168

6. *Residence of Persons admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	20	21	41
Hampden County,	40	29	69
Berkshire County,	20	20	40
Franklin County,	8	9	17
Suffolk County,	1	—	1
Total of persons,	89	79	168
Cities and large towns,	58	45	103
Country districts,	31	34	65
Total of persons,	89	79	168

7. *Civil Condition of Persons admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.			UNKNOWN.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	35	25	60	32	23	55	7	11	18	—	1	1	1	—	1
Second,	4	8	12	5	3	8	2	2	4	—	—	—	—	—	—
Third,	—	1	1	1	1	2	—	1	1	—	—	—	—	—	—
Fourth,	—	—	—	1	1	2	—	1	1	—	—	—	—	—	—
Fifth,	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Fifteenth,	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Total of persons,	40	35	75	39	28	67	9	15	24	—	1	1	1	—	1

8. *Occupations of Persons admitted.*

OCCUPATIONS.	Males.	OCCUPATIONS.	Females.
Laborers,	31	Housekeepers,	5
Carpenters,	2	Carpenter's wife,	4
Mechanics,	4	Whip maker's wife,	1
Coal dealer,	1	Cigar maker's wife,	1
Paper maker,	1	Store keeper,	1
Watchman,	1	Teachers,	2
Mill operatives,	3	Clerk's wife,	1
Hostler,	1	Waiter,	1
Farmers,	12	Mill operatives,	9
Cigar makers,	2	Machinist's wife,	1
Shoemakers,	3	Mechanic's wife,	2
Tailor,	1	Laborer's wife,	5
Machinists,	2	Weaver's wife,	3
Cutler,	1	Farmer's wife,	1
Draughtsman,	1	Stone mason's wife,	1
Clerks,	2	Painter's wife,	1
Book-keepers,	2	Merchant's wife,	2
Bottler,	1	Plumber's wife,	1
Painter,	1	Railroad employee's wife,	1
Foundryman,	1	Operative's wife,	1
Blacksmiths,	3	Domestics,	17
Lumber dealer,	1	Canvasser,	1
Theatrical manager,	1	None,	16
Salesman,	1	Unknown,	1
Steam fitter,	1		
Wood worker,	1		
Teamster,	1		
Commercial traveller,	1		
Physician,	1		
Confectioner,	1		
Tramp,	1		
None,	3		
Total of persons,	89	Total of persons,	79

9. *Reported Duration of Insanity before Last Admission.*

PREVIOUS DURATION.	FIRST ADMISSION TO THIS HOSPITAL.			ALL OTHER AD- MISSIONS.*			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	—	—	—	—	—	—	—	—	—
Under 1 month,	16	11	27	—	—	—	16	11	27
From 1 to 3 months,	4	6	10	2	—	2	6	6	12
3 to 6 months,	8	6	14	2	—	2	10	6	16
6 to 12 months,	4	5	9	—	1	1	4	6	10
1 to 2 years,	6	11	17	2	5	7	8	16	24
2 to 5 years,	9	6	15	2	5	7	11	11	22
5 to 10 years,	6	3	9	5	5	10	11	8	19
10 to 20 years,	3	5	8	3	3	6	6	8	14
Over 20 years,	1	2	3	—	1	1	1	3	4
Not insane,	1	1	2	—	—	—	1	1	2
Unknown,	17	3	20	—	—	—	17	3	20
Total of cases,	75	59	134	16	20	36	91	79	170
Total of persons,	75	59	134	14	20	34	89	79	168
Average of known cases (in years),	2	$3\frac{1}{55}$	$2\frac{1}{2}$	$5\frac{11}{96}$	$5\frac{2}{16}$	$5\frac{7}{9}$	$2\frac{5}{13}$	$3\frac{5}{15}$	$3\frac{1}{34}$

* In this division of the table, the whole period of time, from the first attack to the last admission, is indicated.

10. *Form of Disease in the Cases admitted.*

FORM OF DISEASE.	Males.	Females.	Totals.
Epilepsy,	8	3	11
Paresis,	7	1	8
Mania,	—	—	—
acute,	14	12	26
chronic,	12	12	24
recurrent,	3	1	4
puerperal,	—	5	5
senile,	—	3	3
<i>a potu</i> ,	2	—	2
toxic,	10	3	13
Melancholia, acute,	12	10	22
chronic,	3	6	9
senile,	—	1	1
recurrent,	—	1	1
puerperal,	—	2	2
Dementia,	2	—	2
primary,	3	4	7
secondary,	1	8	9
senile,	5	1	6
Delusional,	1	3	4
primary,	1	—	1
Dipsomania,	3	—	3
Inebriate,	1	—	1
Congenital mental deficiency,	1	1	2
Opium habit,	—	1	1
Morphine habit,	1	—	1
Not insane,	1	1	2
Total of cases,	91	79	170
Total of persons,	89	79	168

11. Probable Causes of Insanity in Persons admitted.

CAUSES.	Males.	Females.	Totals.
<i>Physical.</i>			
Congenital,	—	1	1
Ill health,	3	6	9
Debility,	—	1	1
Epilepsy,	5	3	8
Softening of the brain,	1	—	1
Puerperal,	—	6	6
Child-birth,	—	2	2
Change of life,	—	4	4
Disordered menstruation,	—	1	1
Heredity,	5	4	9
Heredity and nervous prostration,	—	1	1
Intemperance,	19	3	22
Intemperance and injury to head,	1	—	1
Dissipation,	1	2	3
Dipsomania,	1	—	1
Masturbation,	1	—	1
Masturbation and tobacco,	1	—	1
Injury to head,	3	—	3
Sunstroke,	2	—	2
Old age,	3	3	6
Old age and heredity,	—	1	1
Malaria,	1	1	2
Hysteria,	—	1	1
Overwork,	1	—	1
Overwork and ill health,	2	—	2
Grief and ill health,	1	—	1
Bright's disease,	1	—	1
Disappointment and overwork,	1	—	1
Opium habit,	—	1	1
Morphine habit,	1	—	1
Sickness,	—	3	3
<i>Mental.</i>			
Domestic trouble,	—	1	1
Business trouble,	1	—	1
Worry,	2	1	3
Anxiety and worry,	1	—	1
Loss of friends,	—	1	1
Grief,	1	—	1
Disappointment,	—	2	2
Religious excitement,	1	3	4
Over study,	—	1	1
Total of mental,	6	9	15
Total of physical,	54	44	98
Not insane,	1	1	2
Unknown,	28	25	53
Total of persons,	89	79	168

12. Relations to Hospitals of Persons admitted.

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital,	67	54	121
Former inmates of this hospital,	14	19	33
Former inmates of other hospitals in this State,	4	—	4
Former inmates of this hospital and other hospitals in this State,	—	1	1
Former inmates of hospitals in other States,	3	5	8
Former inmates of this hospital and of hospitals in other States,	1	—	1
Total of persons,	89	79	168

13. Discharges, classified by Admission and Result.

ADMISSION.	NOT INSANE.			RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			DIED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	1	2	3	16	13	29	3	5	8	11	15	26	10	5	17	11	8	19	52	48	100
Second,	-	-	-	2	1	3	1	1	2	3	1	4	2	-	2	-	1	1	8	4	12
Third,	-	-	-	-	-	-	-	1	1	2	-	2	-	-	-	-	-	-	2	1	3
Fourth,	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Fifth,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
Sixth,	-	-	-	-	-	-	1	-	1	-	1	1	-	-	-	-	-	-	1	1	2
Seventh,	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Fourteenth,	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
Total of cases,	1	2	3	18	14	32	5	9	14	17	17	34	12	5	17	12	9	21	65	56	121
Total of persons,	1	2	3	18	14	32	5	9	14	16	17	33	12	5	17	12	9	21	64	56	120

14. *How Supported.*

	PATIENTS ADMITTED.			WEEKLY AVERAGE OF THE YEAR.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, . .	27	21	48	48.42	48.44	96.86
Town patients, . .	50	43	93	151.46	159.71	311.17
Private patients, . .	14	15	29	28.42	33.65	62.07
Total of cases, . .	91	79	170	228.3	241.8	470.1*

* This weekly average is .4 less than the daily average, 470.5.

15. *Cases discharged Recovered. — Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Under 1 month, . .	8	8	16	3	1	4	—	1	1
From 1 to 3 months,	4	1	5	4	3	7	5	2	7
3 to 6 months,	1	1	2	8	5	13	6	2	8
6 to 12 months,	—	1	1	1	5	6	1	6	7
1 to 2 years, . .	1	1	2	2	—	2	2	1	3
2 to 5 years, . .	2	2	4	—	—	—	1	2	3
5 to 10 years, . .	1	—	1	—	—	—	2	—	2
Unknown,	1	—	1	—	—	—	1	—	1
Total of cases, . .	18	14	32	18	14	32	18	14	32
Average of known cases (in months), .	11 $\frac{5}{17}$	8 $\frac{3}{14}$	9 $\frac{28}{31}$	4 $\frac{4}{9}$	4 $\frac{2}{7}$	4 $\frac{3}{8}$	15 $\frac{15}{17}$	12 $\frac{1}{2}$	14 $\frac{11}{31}$

16. *Cases Resulting in Death. — Duration.*

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESI- DENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	—	—	—	—	—	—	—	—	—
Under 1 month,	1	1	2	—	2	2	—	1	1
From 1 to 3 months,	—	1	1	—	—	—	—	—	—
3 to 6 months,	2	—	2	1	2	3	—	—	—
6 to 12 months,	—	—	—	—	—	—	—	—	—
1 to 2 years,	3	1	4	4	1	5	1	1	2
2 to 5 years,	1	1	2	5	1	6	5	1	6
5 to 10 years,	1	2	3	1	3	4	2	3	5
10 to 20 years,	—	1	1	—	—	—	—	1	1
Over 20 years,	1	2	3	1	—	1	1	2	3
Unknown,	3	—	3	—	—	—	3	—	3
Totals,	12	9	21	12	9	21	12	9	21
Average of known cases (in months),	48 $\frac{5}{9}$	122 $\frac{7}{9}$	85 $\frac{2}{3}$	51 $\frac{1}{4}$	16 $\frac{4}{9}$	36 $\frac{1}{3}$	79 $\frac{8}{9}$	139 $\frac{2}{9}$	109 $\frac{5}{9}$

17. *Cases discharged by Recovery or Death.*

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Epilepsy,	—	—	—	1	1	2
Paresis,	—	—	—	3	—	3
Mania, acute,	5	6	11	—	1	1
chronic,	—	1	1	3	4	7
senile,	—	—	—	1	—	1
puerperal,	—	2	2	—	—	—
toxic,	5	1	6	—	—	—
<i>a potu</i> ,	1	—	1	—	—	—
Melancholia, acute,	2	2	4	—	—	—
chronic,	—	1	1	—	—	—
Dementia, primary,	2	—	2	1	1	2
secondary,	—	—	—	3	2	5
senile,	—	—	—	—	—	—
Dipsomania,	2	1	3	—	—	—
Inebriate,	1	—	1	—	—	—
Totals,	18	14	32	12	9	21

18. Causes of Death.

CAUSES.	Males.	Females.	Totals.
Nervous system :—			
Chronic brain disease,	2	1	3
Exhaustion of acute mania,	—	1	1
Exhaustion of chronic mania,	1	1	2
Exhaustion of senile mania,	1	—	1
Paralysis,	1	—	1
Paresis,	3	—	3
Apoplexy,	1	1	2
Epilepsy,	—	1	1
Respiratory :—			
Phthisis,	—	2	2
Pneumonia,	1	—	1
General :—			
Bright's disease,	2	—	2
Cancer,	—	1	1
Old age,	—	1	1
Totals,	12	9	21

19. Deaths, classified by Results of Previous Admissions.

NUMBER OF THE ADMISSION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	1	-	1	-	-	-	-	1	1	-	-	-	1	1	2
Second,	-	-	-	-	-	-	1	-	1	-	-	-	1	-	1
Third,	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
Fourth,	-	-	-	-	-	-	-	-	-	1	-	1	1	-	1
Total of cases, . .	1	-	1	-	-	-	1	1	2	2	-	2	4	1	5
Total of persons, .	1	-	1	-	-	-	1	1	2	1	-	1	1	1	2

20. Recoveries, classified by Results of Previous Admissions.

NUMBER OF THE ADMIS- SION.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			TOTALS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
First,	2	-	2	-	-	-	-	1	1	-	-	-	2	1	3
Total of cases, .	2	-	2	-	-	-	-	1	1	-	-	-	2	1	3
Total of persons, .	2	-	2	-	-	-	-	1	1	-	-	-	2	1	3

21. *Deaths, classified by Duration of Insanity and of Treatment.*

PERIOD.	DURATION OF INSANITY FROM FIRST ATTACK.			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	—	—	—	—	—	—
Under 1 month,	—	1	1	—	2	2
From 1 to 3 months,	—	—	—	—	—	—
3 to 6 months,	—	—	—	1	1	2
6 to 12 months,	—	—	—	—	1	1
1 to 2 years,	1	1	2	3	1	4
2 to 5 years,	5	1	6	5	4	9
5 to 10 years,	2	3	5	2	—	2
10 to 20 years,	—	1	1	—	—	—
Over 20 years,	1	2	3	1	—	1
Unknown,	3	—	3	—	—	—
Totals,	12	9	21	12	9	21
Average of known cases (in months),	79 $\frac{2}{9}$	139 $\frac{2}{9}$	109 $\frac{5}{9}$	55 $\frac{5}{12}$	22 $\frac{2}{9}$	41 $\frac{2}{7}$

22. *Ages of Those who Died.*

AGES.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
From 15 to 20 years,	—	1	1	—	—	—
20 to 25 years,	—	1	1	—	—	—
25 to 30 years,	1	2	3	—	1	1
30 to 35 years,	1	—	1	1	1	2
35 to 40 years,	3	—	3	2	—	2
40 to 50 years,	—	2	2	1	1	2
50 to 60 years,	1	2	3	1	4	5
60 to 70 years,	1	—	1	3	1	4
70 to 80 years,	3	—	3	3	—	3
Over 80 years,	—	1	1	1	1	2
Unknown,	2	—	2	—	—	—
Totals,	12	9	21	12	9	21

23. *Annual Admissions since the Opening of the Hospital, with the Discharges and Deaths within the Official Year, and the Number of Each Year's Admissions remaining Sept. 30, 1890.*

YEARS.	NEW CASES (FIRST ADMISSION).																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
	ADMITTED.			DISCHARGED AND DIED IN 1889-90.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Males.	Females.	Totals.	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							

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25. Operations of the Hospital, from the Beginning, in Each Year.

YEARS.	ADMITTED.			DISCHARGED AND DIED.												Whole Number of Cases in the Year.	Number of Patients at End of the Year.							
	Males.	Females.	Totals.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.					NOT INSANE.			Died.			
				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	—	—	—	—	—	—	7	12	19	228	220
1858-59,	46	47	93	18	15	33	9	9	18	18	7	5	12	—	—	—	—	—	—	9	18	27	313	231
1859-60,	73	94	167	19	16	35	12	10	22	28	4	7	11	—	—	—	—	—	—	15	15	30	398	310
1860-61,	71	53	124	18	17	35	14	14	28	4	4	7	11	—	—	—	—	—	—	15	15	30	434	330
1861-62,	64	48	112	19	15	34	27	15	42	28	9	5	14	—	—	—	—	—	—	9	10	19	442	332
1862-63,	70	68	138	12	16	28	16	10	26	4	4	3	7	—	—	—	—	—	—	19	7	26	470	383
1863-64,	47	45	92	30	19	49	19	15	34	4	4	6	10	—	—	—	—	—	—	17	30	47	475	334
1864-65,	70	64	134	17	16	33	14	15	29	8	5	13	10	—	—	—	—	—	—	17	24	41	468	352
1865-66,	75	61	136	16	10	26	12	7	19	5	2	7	7	—	—	—	—	—	—	18	13	31	488	405
1866-67,	61	77	138	24	18	42	15	13	28	6	7	13	12	—	—	—	—	—	—	23	24	47	543	413
1867-68,	68	84	152	21	19	40	22	27	49	5	7	12	12	—	—	—	—	—	—	25	18	43	565	421
1868-69,	84	85	169	31	18	49	23	33	56	20	38	58	12	—	—	—	—	—	—	13	12	25	590	402
1869-70,	90	112	202	23	27	50	15	43	58	22	34	56	12	—	—	—	—	—	—	22	11	33	604	405
1870-71,	109	102	211	16	27	43	23	41	64	31	30	61	12	—	—	—	—	—	—	16	12	28	616	420
1871-72,	101	98	199	25	15	40	33	27	60	22	27	49	12	—	—	—	—	—	—	19	18	37	619	433
1872-73,	102	79	181	19	29	48	37	22	59	23	29	52	12	—	—	—	—	—	—	13	8	21	614	433
1873-74,	105	88	193	25	12	37	24	19	43	27	18	45	11	—	—	—	—	—	—	14	11	25	626	476
1874-75,	75	78	153	16	13	29	21	24	45	17	21	38	12	—	—	—	—	—	—	23	18	41	629	476
1875-76,	76	77	153	19	13	32	18	31	49	24	23	47	11	—	—	—	—	—	—	18	19	37	629	464
1876-77,	68	71	139	15	18	33	8	13	21	15	17	32	7	—	—	—	—	—	—	21	21	42	603	475
1877-78,	40	36	76	7	19	26	17	27	44	16	13	29	3	—	—	—	—	—	—	14	9	23	551	429
1878-79,	63	43	106	13	13	26	15	13	28	11	3	14	1	—	—	—	—	—	—	14	9	23	535	442

1879-80, .	58	117	16	12	28	5	7	12	11	12	23	9	10	19	2	-	2	17	12	29	559	446
1880-81, .	66	123	7	13	20	6	7	13	15	15	30	6	10	16	1	-	1	16	10	26	569	463
1881-82, .	62	124	13	15	28	4	9	13	7	14	21	14	13	27	1	-	1	24	14	38	587	459
1882-83, .	69	147	11	17	28	9	-	9	18	15	33	21	14	35	1	1	1	17	13	30	606	469
1883-84, .	75	136	9	16	25	6	11	17	16	19	35	16	20	36	3	1	1	12	13	25	605	463
1884-85, .	70	136	17	12	29	4	5	9	12	17	29	10	16	26	1	2	3	16	11	27	599	476
1885-86, .	98	183	10	19	29	8	2	10	23	36	59	20	23	43	1	1	1	14	12	26	659	491
1886-87, .	76	148	16	8	24	5	3	8	36	31	67	21	16	37	1	2	3	13	18	31	639	469
1887-88, .	79	166	23	13	36	3	6	9	25	22	47	12	17	29	2	-	2	14	17	31	635	481
1888-89, .	57	155	27	15	42	6	6	12	25	40	65	35	8	43	2	1	3	18	7	25	636	446
1889-90, .	79	170	18	14	32	5	9	14	17	17	34	12	5	17	1	2	3	12	9	21	616	495
Totals, .	2,473	4,901	570	519	1,089	61	65	126	603	666	1,395	460	456	916	17	15	32	519	455	974	-	-

26. Showing Results of First Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Number of persons on first admission,	—	—	—	2,024	1,997	4,021
Discharged recovered,	458	399	857	—	—	—
improved,	535	612	1,147	—	—	—
unimproved,	387	385	772	—	—	—
not insane,	15	13	28	—	—	—
Died,	449	411	860	—	—	—
Remaining in the hospital Sept 30, 1890,	180	177	357	2,024	1,997	4,021

Showing Results of Readmissions.

Readmitted,	—	—	—	449	431	880
Discharged recovered,	112	120	232	—	—	—
improved,	129	119	248	—	—	—
unimproved,	73	71	144	—	—	—
not insane,	2	2	4	—	—	—
Died,	70	44	114	—	—	—
Remaining in the hospital Sept. 30, 1890,	63	75	138	449	431	880

Showing Results of Second Admissions.

Second admissions,	—	—	—	318	296	614
Discharged recovered,	80	65	145	—	—	—
improved,	78	81	159	—	—	—
unimproved,	57	52	109	—	—	—
not insane,	1	2	3	—	—	—
Died,	56	37	93	—	—	—
Remaining in the hospital Sept. 30, 1890,	46	59	105	318	296	614

Showing Results of Third Admissions.

Third admissions,	—	—	—	80	62	142
Discharged recovered,	17	24	41	—	—	—
improved,	28	18	46	—	—	—
unimproved,	12	9	21	—	—	—
inebriates,	1	—	1	—	—	—
Died,	11	4	15	—	—	—
Remaining in the hospital Sept. 30, 1890,	11	7	18	80	62	142

Showing Results of Fourth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fourth admissions, . . .	—	—	—	22	31	53
Discharged recovered, . . .	7	8	15	—	—	—
improved, . . .	7	11	18	—	—	—
unimproved, . . .	2	4	6	—	—	—
Died, . . .	2	2	4	—	—	—
Remaining in the hospital Sept. 30, 1890, . . .	4	6	10	—	—	—

Showing Results of Fifth Admissions.

Fifth admissions, . . .	—	—	—	10	14	24
Discharged recovered, . . .	4	7	11	—	—	—
improved, . . .	4	4	8	—	—	—
unimproved, . . .	—	2	2	—	—	—
Died, . . .	1	—	1	—	—	—
Remaining in the hospital Sept. 30, 1890, . . .	1	1	2	10	14	24

Showing Results of Sixth Admissions.

Sixth admissions, . . .	—	—	—	7	10	17
Discharged recovered, . . .	2	5	7	—	—	—
improved, . . .	3	3	6	—	—	—
unimproved, . . .	2	2	4	7	10	17

Showing Results of Seventh Admissions.

Seventh admissions, . . .	—	—	—	3	5	8
Discharged recovered, . . .	1	3	4	—	—	—
improved, . . .	2	—	2	—	—	—
unimproved, . . .	—	1	1	—	—	—
Died, . . .	—	1	1	3	5	8

Showing Results of Eighth Admissions.

Eighth admissions, . . .	—	—	—	2	3	5
Discharged recovered, . . .	1	2	3	—	—	—
improved, . . .	1	—	1	—	—	—
unimproved, . . .	—	1	1	2	3	5

Showing Results of Ninth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Ninth admissions, . . .	-	-	-	1	2	3
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	-	-	-
Remaining in the hospital Sept. 30, 1890, . . .	-	1	1	1	2	3

Showing Results of Tenth Admissions.

Tenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing Results of Eleventh Admissions.

Eleventh admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing Results of Twelfth Admissions.

Twelfth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing Results of Thirteenth Admissions.

Thirteenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing Results of Fourteenth Admissions.

Fourteenth admissions, . . .	-	-	-	1	1	2
Discharged recovered, . . .	-	1	1	-	-	-
improved, . . .	1	-	1	1	1	2

Showing Results of Fifteenth Admissions.

	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteenth admissions, . . .	-	-	-	1	1	2
Discharged improved, . . .	-	1	1	-	-	-
Remaining in the hospital Sept. 30, 1890,	1	-	1	1	1	2

Showing Results of Sixteenth Admissions.

Sixteenth admissions, . . .	-	-	-	-	1	1
Discharged improved, . . .	-	1	1	-	1	1

Showing Results of Seventeenth Admissions.

Seventeenth admissions, . . .	-	-	-	-	1	1
Remaining in the hospital Sept. 30, 1890,	-	1	1	-	1	1

27. *Classed 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

28. *Monthly Consumption of Gas.*

MONTHS.	Cubic Feet.	Daily Average.
1889.		
October,	51,100	1,648.39
November,	57,800	1,923.33
December,	71,400	2,303.22
1890.		
January,	60,400	1,948.38
February,	50,400	1,800.00
March,	47,100	1,519.35
April,	35,300	1,176.67
May,	26,400	851.61
June,	21,000	700.00
July,	20,750	669.35
August,	25,700	829.03
September,	38,700	1,290.00
Total,	506,050	16,659.33

29. Supplies for the Several Departments for the Year 1889-90.

	Sheets.	Pillow Cases.	Bed Spreads.	Blankets.	Bed Ticks.	Towels.	Curtains.	Wash Bowls.	Ewers.	Chambers.	Mirrors.	Hair Brushes.	Combs.	Carpet Strips.	Plates.	Cups.	Saucers.	Tumblers.	Mugs.	Bowls.	Pitchers.	Syrup Cups.	Knives.	Forks.	Lanterns.	Scissors.	Clothes Bags.	Pillow Ticks.	
<i>Men's Department.</i>																													
Upper 1st Hall, . . .	30	38	16	-	4	12	12	2	2	4	1	-	3	11	6	18	18	18	18	-	2	-	-	-	-	-	-	1	12
2d Hall, . . .	32	44	-	12	2	-	6	-	-	12	2	1	2	20	12	18	24	18	18	6	12	-	-	-	-	-	-	1	4
3d and 4th Halls, . .	28	26	-	12	2	-	-	-	-	40	1	2	2	7	6	6	12	-	-	-	3	-	-	6	-	-	-	1	12
Middle 1st Hall, . . .	24	26	6	6	-	-	1	-	-	8	1	1	3	-	18	18	12	-	-	-	5	-	-	-	-	-	2	12	
2d Hall, . . .	36	4	8	6	-	6	-	-	-	19	1	1	3	-	30	12	24	-	-	-	3	-	-	2	-	-	-	12	12
3d and 4th Halls, . .	48	48	-	20	-	6	-	-	-	32	-	4	5	-	-	6	6	-	-	-	1	-	-	-	-	-	-	-	12
Lower 1st Hall, . . .	36	36	-	8	-	4	4	-	-	31	-	1	-	6	6	18	18	-	-	-	4	1	-	-	-	-	-	1	7
2d Hall, . . .	48	12	-	26	1	6	3	-	-	4	-	-	-	-	2	-	-	-	-	-	2	-	-	-	-	-	-	12	12
3d and 4th Halls, . .	36	30	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Women's Department.</i>																													
Upper 1st Hall, . . .	27	39	6	7	5	90	12	3	3	6	-	-	2	-	12	-	-	30	-	2	2	-	-	-	-	-	-	1	-
2d Hall, . . .	12	12	-	1	2	12	-	-	1	12	1	-	7	-	-	-	-	12	24	-	2	-	-	-	-	-	-	1	-
3d Hall, . . .	18	18	13	12	5	6	16	-	-	12	-	-	12	2	-	-	24	6	-	-	-	-	-	-	-	-	-	2	-
4th Hall, . . .	-	12	6	12	-	24	12	2	-	3	-	-	10	-	30	24	-	18	-	-	-	-	-	-	-	-	-	2	-
Middle 1st Hall, . . .	4	16	-	-	-	-	-	-	3	6	1	1	10	1	18	12	12	24	12	6	6	-	-	-	-	-	-	4	3
2d Hall, . . .	60	18	12	18	-	18	6	1	2	42	1	1	22	6	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3
3d Hall, . . .	48	30	12	12	-	30	16	1	-	18	2	1	19	4	12	6	18	24	30	24	4	-	2	-	-	1	-	2	3
4th Hall, . . .	36	28	6	6	3	24	6	1	-	6	-	-	28	-	12	24	24	-	6	6	3	1	-	-	-	-	-	2	-
Lower 1st Hall, . . .	12	40	8	6	-	16	8	-	2	18	-	-	37	6	6	-	-	12	-	-	1	-	-	-	-	-	-	4	-
2d Hall, . . .	68	54	11	12	-	78	9	-	-	6	-	-	27	3	-	-	-	12	-	-	1	-	-	-	-	-	-	-	-
3d Hall, . . .	60	16	8	12	-	18	10	-	-	9	-	-	8	3	-	-	-	12	-	-	1	-	-	-	-	-	-	-	2
4th Hall, . . .	24	24	-	-	-	30	-	-	-	6	-	-	27	-	-	-	-	12	-	-	1	-	-	-	-	-	-	-	-
Kitchen, . . .	-	-	-	1	-	-	-	-	-	2	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rear, . . .	8	18	6	1	-	47	-	-	-	9	1	1	2	9	204	36	24	84	-	-	12	-	-	-	-	-	-	5	-
Centre, . . .	8	14	2	2	-	27	-	1	-	-	2	-	1	-	96	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aggregates, . . .	703	603	126	186	24	454	121	10	13	230	13	14	222	84	488	228	252	270	72	103	48	2	25	27	1	1	29	69	-

29. Supplies for the Several Departments for the Year 1889-90—Concluded.

	Spoons.	Glass Casters.	Table Spreads.	Napkins.	Tin Plates.	Tin Cups.	Iron Spoons.	Dish Towels.	Rollers.	Wash Basins.	Brooms.	Soap, Pounds.	Whisks.	Dust Brushes.	Scrub Brushes.	Dust Pans.	Mops.	Palls.	Spittoons.	Blacking.	Shoe Brushes.	Spools Thread.	Papers Needles.	Papers Pins.	Rubber Chambers.
<i>Men's Department.</i>																									
Upper 1st Hall, . . .	—	—	2	12	—	—	—	12	6	—	8	44	5	3	—	1	1	1	—	—	7	2	6	—	—
2d Hall, . . .	—	—	2	—	—	—	—	12	24	—	16	52	3	2	—	1	3	3	—	—	8	—	1	—	—
3d and 4th Halls, . .	12	—	1	—	—	—	—	24	—	—	14	58	3	2	—	1	2	2	—	—	6	—	—	—	—
Middle 1st Hall, . . .	6	—	1	—	—	—	—	12	—	—	9	46	—	1	—	1	2	2	—	—	8	—	—	—	—
2d Hall, . . .	6	—	—	—	—	—	—	18	12	—	11	94	—	4	—	—	2	1	—	—	13	—	—	—	—
3d and 4th Halls, . .	6	—	—	—	—	—	—	24	24	—	14	90	3	1	—	—	2	1	—	—	11	—	—	—	—
Lower 1st Hall, . . .	—	—	—	—	—	—	—	12	6	—	10	16	1	1	—	—	2	1	—	—	7	—	—	—	—
2d Hall, . . .	—	—	—	—	—	—	—	18	24	—	16	48	4	1	—	—	2	2	—	—	7	—	—	—	—
3d and 4th Halls, . .	—	—	1	—	—	—	—	—	12	—	13	54	—	2	—	1	—	1	—	—	4	—	—	—	—
<i>Women's Department.</i>																									
Upper 1st Hall, . . .	—	—	—	2	—	—	—	6	—	—	12	42	1	2	—	1	2	1	—	—	—	—	3	—	—
2d Hall, . . .	—	—	—	—	—	—	—	—	—	—	18	62	—	1	—	1	2	2	—	—	—	—	15	—	—
3d Hall, . . .	—	—	—	—	—	—	—	—	12	—	11	32	1	2	—	1	6	2	—	—	—	—	12	—	—
4th Hall, . . .	12	—	—	—	—	6	24	24	—	—	8	48	—	2	—	2	6	1	—	—	—	—	5	—	—
Middle 1st Hall, . . .	—	—	1	—	—	—	—	—	—	—	18	62	—	2	—	2	2	2	—	—	—	—	10	—	—
2d Hall, . . .	—	—	4	—	—	6	12	12	—	—	28	86	—	1	—	2	5	2	—	—	—	—	14	—	—
3d Hall, . . .	—	—	—	—	—	6	36	—	—	—	18	78	—	2	—	2	5	2	—	—	—	—	13	—	—
4th Hall, . . .	6	—	—	—	—	18	—	6	—	—	26	66	—	2	—	1	8	2	—	—	—	—	14	—	—
Lower 1st Hall, . . .	—	—	2	—	—	—	—	12	6	—	18	66	—	—	—	1	3	3	—	—	—	—	17	—	—
2d Hall, . . .	12	—	—	—	—	12	—	—	—	—	21	76	—	—	—	—	8	2	—	—	—	—	2	—	—
3d Hall, . . .	12	—	—	—	—	—	—	—	—	—	13	44	—	—	—	—	1	1	—	—	—	—	4	—	—
4th Hall, . . .	—	—	4	—	—	—	—	—	—	—	4	18½	—	—	—	—	3	1	—	—	—	—	14	—	—
Kitchen, . . .	—	—	4	—	—	—	—	—	—	—	67	96	—	1	—	2	1	9	—	—	—	—	—	16	—
Rear, . . .	—	—	4	—	—	24	—	24	—	—	92	146	4	3	—	3	1	2	—	—	—	—	—	14	—
Centre, . . .	—	—	—	—	—	—	—	34	—	—	6	63	4	4	—	—	1	2	—	—	—	—	—	17	—
Aggregates, . . .	72	—	24	14	42	72	85	256	166	5	471	1,487½	32	37	27	18	72	43	7	75	7	159	33	120	—

30. Days' Work by Patients.

MONTHS.	FARM.	KITCHEN.			SEWING-ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1889.								
October, .	674	93	186	279	282	50	364	414
November, .	616	120	173	293	223	54	355	409
December, .	563	124	171	295	252	52	355	407
1890.								
January, .	564	124	191	315	254	54	374	428
February, .	607	112	167	279	225	48	319	367
March, .	534	124	181	305	263	52	333	385
April, .	909	120	145	265	260	52	359	411
May, .	871	124	142	266	291	54	359	413
June, .	820	120	148	268	231	50	315	365
July, .	845	124	167	291	253	54	353	407
August, .	787	124	136	260	251	52	377	429
September, .	804	120	187	307	298	50	386	436
Totals, .	8,594	1,429	1,994	3,423	3,083	622	4,249	4,831

31. List of Articles made in the Sewing-Room.

Dresses,	293	Sheets,	677
Waists,	29	Pillow cases,	507
Chemise,	277	Spreads hemmed,	109
Drawers,	196	Burial robes,	4
Skirts,	170	Bed ticks,	60
Night dresses,	15	Pillow ticks,	66
Hats trimmed,	39	Bolster cases,	34
Caps,	368	Clothes bags,	33
Aprons,	248	Dish towels,	310
Collars,	256	Roller towels,	220
Shirts,	272	Yards carpeting made,	661
Camisoles,	37	Carpet strips hemmed,	76
Suspenders, pairs,	86	Cushions,	4
Table cloths,	21	Dusters,	45
Napkins hemmed,	12	Articles repaired,	26,155
Curtains,	148		

32. Upholstery done in the Year.

Hair mattresses made, new materials,	18
Hair mattresses made, new ticks,	45
Hair mattresses made, old materials,	157
Hair pillows made, new materials,	17
Hair pillows made, new ticks,	25
Hair pillows overhauled, hair repicked,	85

33. *Annual Cost of Gas.*

YEAR.	Cost of Gas.	Average Number of Patients.	Cost per Patient.
1860-61,	\$2,030 39	314.26	\$6 46
1861-62,	2,085 29	313.80	6 64
1862-63,	2,109 02	355.63	5 93
1863-64,	2,069 79	357.63	5 78
1864-65,	1,653 05	342.40	4 82
1865-66,	1,107 98	376.35	2 94
1866-67,	1,056 16	401.03	2 63
1867-68,	1,022 51	413.41	2 47
1868-69,	903 92	405.10	2 23
1869-70,	915 30	408.83	2 23
1870-71,	1,043 99	421.90	2 47
1871-72,	980 94	428.72	2 28
1872-73,	1,006 61	437.23	2 30
1873-74,	1,066 74	469.54	2 27
1874-75,	1,012 63	475.35	2 13
1875-76,	1,089 82	474.21	2 29
1876-77,	1,033 59	476.16	2 17
1877-78,	1,066 02	442.43	2 41
1878-79,	1,033 05	436.73	2 37
1879-80,	954 00	450.51	2 10
1880-81,	949 65	451.79	2 10
1881-82,	919 13	461.66	2 00
1882-83,	992 10	466.76	2 10
1883-84,	1,031 55	463.05	2 23
1884-85,	912 49	475.94	1 92
1885-86,	882 90	474.40	1 86
1886-87,	854 97	478.54	1 79
1887-88,	901 74	470.25	1 91
1888-89,	955 51	469.10	2 04
1889-90,	977 17	470.50	2 07

34. *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, . . .	Greenfield,	1875	-	Still in office.
Henry W. Taft,	Pittsfield,	1876	-	Still in office.
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	-	Still in office.
Alvan Barrus,	Goshen,	1890	-	Still in office.

* Deceased.

35. *Officers and Employees.*

Time employed, Oct. 1, 1890.

NAMES.	Years.	Months.	Days.
Edward B. Nims, M.D., superintendent,	21	9	16
John A. Houston, M.D., assistant physician,	1	—	7
Charles M. Holmes, M.D., assistant physician,	1	2	21
Emily F. Wells, M.D., female physician,	5	9	—
Walter B. Welton, clerk,	24	7	16
John Mercier, farmer,	23	2	—
Danford Morse, engineer,	25	6	9
Robert H. Gallivan, supervisor,	17	5	13
Lucy A. Gilbert, supervisor,	23	7	20
Francis A. Thompson, assistant steward,	—	5	10
George B. Walker, baker,	6	3	22
William Rice, assistant baker,	1	3	3
Minnie A. Smith, seamstress,	2	3	27
Lizzie E. Rice, laundress,	1	2	6
Inez M. Field, assistant clerk,	—	9	3
Lucie L. Barrett, assistant supervisor,	4	—	12
Bradamant Fairbanks, assistant seamstress,	1	5	14
Mattie G. Jones, assistant laundress,	1	1	11
Emma Smith, assistant laundress,	1	2	20
Mary Radford, assistant laundress,	—	1	23
Henry W. Estey, attendant,	8	6	7
Thomas Lavelle, attendant,	4	6	23
Anson T. Hale, attendant,	3	5	—
Jeremiah J. Regan, attendant,	1	9	3
Daniel W. Webster, attendant,	1	6	9
James F. Wells, attendant,	1	4	8
Edward N. Aldrich, attendant,	1	2	29
William Duff, attendant,	—	7	—
Rufus H. Cowles, attendant,	—	6	4
Fred S. Peters, attendant,	—	3	7
James Kennedy, attendant,	—	2	14
Harry Dickinson, attendant,	—	2	13
Joseph W. Shaw, attendant,	—	1	26
Jeannette McLean, attendant,	7	1	3
Philomene Goyette, attendant,	7	6	13
Alice A. Hawkes, attendant,	2	9	27
Celeste Goyette, attendant,	5	6	16
Harriet L. Strong, attendant,	2	9	1
Marion Darling, attendant,	1	6	15
Katy A. Cook, attendant,	1	2	5
Mary Sweeney, attendant,	1	1	28
Adeline D. Morgan, attendant,	2	—	12
Flora E. Jones, attendant,	1	2	14
Mary E. McClellan, attendant,	2	2	13
Ellen L. Potter, attendant,	—	9	25
Ida Sloan, attendant,	—	6	—
Hattie LeBaron, attendant,	—	2	2
Lucretia D. Pittsinger, attendant,	—	1	—
Maggie McKenzie, night watch,	—	—	14

35. *Officers and Employees* — Concluded.

NAMES.	Years.	Months.	Days.
Hattie Darling, centre,	3	10	—
Belle Warren, centre,	1	5	6
Ellen Drugg, centre,	—	—	28
Jennie Smith, farmer's dining room,	—	11	—
Mary Mangan, cook,	2	2	5
Alice A. Miller, assistant cook,	1	5	14
Sadie Kellogg, assistant cook,	—	3	24
Nellie O'Leary, assistant cook,	—	2	14
Lillian McLean, assistant cook,	—	—	5
Mercy Ranney, rear,	—	8	17
William C. Hall, assistant engineer,	25	—	20
Nicholas Riel, night engineer,	14	9	25
Moses Bartlett, watchman,	1	6	25
Sifroi Belville, carpenter,	20	5	7
Walter Tower, carpenter,	12	10	—
Alfred Parenteau, painter,	25	1	18
David Mercier, coachman,	13	7	14
Benjamin Rockwell, assistant farmer,	23	4	—
Henry Wilson, assistant farmer,	11	5	8
James Madden, assistant farmer,	15	—	29
Eugene Sullivan, assistant farmer,	15	5	—
George E. Hunter, assistant farmer,	4	5	19
Hermon Miller, assistant farmer,	1	5	14
George W. Braman, assistant farmer,	1	10	8
John Gray, assistant farmer,	1	6	4
James Davidson, assistant farmer,	—	6	2
James Works, assistant farmer,	—	6	—
Alfred Belville, car boy,	—	8	2
George M. Locke, assistant cook,	1	1	7

