

Thirty-second annual report of the Trustees of the Northampton Lunatic Hospital, for the year ending September 30, 1887.

Contributors

Northampton Lunatic Hospital.
Merritt, Christopher C.
Nims, Edward B.

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THIRTY-SECOND ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON LUNATIC HOSPITAL,
FOR THE
YEAR ENDING SEPTEMBER 30, 1887.

BOSTON :
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
18 POST OFFICE SQUARE.
1888.

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OFFICERS

OF THE

NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

HON. CHRISTOPHER C. MERRITT,	.	.	.	SPRINGFIELD.
MRS. SARAH M. BUTLER,	.	.	.	NORTHAMPTON.
MRS. SARAH A. WOODWORTH,	.	.	.	CHICOPEE.
ADAMS C. DEANE, M.D.,	.	.	.	GREENFIELD.
HENRY W. TAFT, Esq.,	.	.	.	PITTSFIELD.
HON. JOHN L. OTIS,	.	.	.	NORTHAMPTON.
LYMAN D. JAMES, Esq.,	.	.	.	WILLIAMSBURG.

RESIDENT OFFICERS.

EDWARD B. NIMS, M.D.,	.	.	SUPERINTENDENT.
			FIRST ASSISTANT PHYSICIAN.
DAVID G. HALL, M.D.,	.	.	SECOND ASSISTANT PHYSICIAN.
EMILY F. WELLS, M.D.,	.	.	THIRD ASSISTANT PHYSICIAN.
WALTER B. WELTON,	.	.	CLERK.
JOHN MERCIER,	.	.	FARMER.
DANFORD MORSE,	.	.	ENGINEER.

TREASURER.

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

SUBORDINATE OFFICERS.

ROBERT H. GALLIVAN,	.	.	.	MALE SUPERVISOR.
LUCY A. GILBERT,	.	.	.	FEMALE SUPERVISOR.
F. JOSEPHUS RICE,	.	.	.	STEWARD.
SUSAN A. MILLER,	.	.	.	SEAMSTRESS.
NETTIE LYMAN,	.	.	.	LAUNDRESS.
GEORGE B. WALKER,	.	.	.	BAKER.

Commonwealth of Massachusetts.

TRUSTEES' REPORT.

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

The Trustees of the Northampton Lunatic Hospital have the honor to submit their thirty-second annual report for the fiscal year 1886-87, together with the reports of the Treasurer and Superintendent, and the tables of statistics, giving in detail the condition and operations of the hospital.

This report does not record any special change or event, but gives the regular every-day work of the year. The Trustees have visited and inspected the hospital at their regular monthly meetings, and occasionally at other times.

The monthly reports of the Superintendent have kept them fully informed of the changes that have occurred, and the frequent conferences upon matters of business have furnished a full understanding of the condition of affairs. The number of admissions for the year was 148; this number is less than in the preceding year. The number of re-admissions is smaller than usual, which makes the number of first admissions, not including transfers from other hospitals, larger than in the preceding year by nine. Whether this increase, which is quite regular, can be taken as an indication of a real increase in insanity we must leave for more comprehensive statistics to decide. No transfers have been made from other hospitals during the year, on the other hand a transfer of eleven patients was made to the

Westborough Lunatic Hospital, of ten patients to the Worcester Chronic Asylum, and of ten to the State Farm. A considerable number of patients were removed to city and town almshouses.

The number of patients at the beginning of the year was 491; of men, 244; of women, 247. The number admitted during the year was 148; of men, 72; of women, 76. Of these 30 were State patients, 92 town patients and 26 private patients. The whole number under treatment during the year was 639; of men, 316; of women, 323; 170 patients were discharged; of men, 92; of women, 78; 13 men and 18 women died. The number at the close of the year was 469; of men, 224; of women, 245. The average daily number of men was 233.27; of women, 245.28; the total average was 478.55.

Of the 170 patients discharged 27 were reported as recovered, 7 much improved, 67 improved, 37 unimproved. The largest number on any one day in the year was 494. The smallest number was 459. The number of patients who were discharged on probation under the sixty days law was 48; of these 4 were returned before the expiration of the legal time. The remainder are included in the general number of discharges. The number of deaths was 31, which is 4.85 per cent. on the whole number treated, about an average rate. No suicide occurred during the year.

The hospital is now in the thirtieth year of its existence. During this period no addition has ever been made to that part which has been occupied by patients. Nor has there been any important change in construction.

The wear and tear of the building, occasioned by constant and hard usage, requires a large outlay annually for ordinary repairs. It is evident that the inevitable deterioration of the buildings will require a larger outlay of money for extraordinary repairs and improvements to keep the hospital up to its proper standard.

The funds of the institution have so far been sufficient to provide for all necessary demands. It is to be hoped that there will be no change in this respect in the future, though it must be expected that there will be a steady and increasing

demand upon the surplus funds. The original construction of the hospital was faulty in some respects, especially in the means provided for the admission of light and air into the third sections of the wings. In order to remedy this defect the corridors on the male wing have been enlarged nearly one-half, by removing partitions, and adding the attendants' rooms to the halls. The sanitary changes have been continued; all the water-closets in the hospital have now been refitted and furnished with new and modern apparatus and efficient ventilation.

The new system of water-pipes laid last year have furnished the hospital with an abundant supply of excellent water. The sanitary condition of the buildings is now considered to be satisfactory. The floors in the halls of the men's department have been relayed with quartered southern pine. New furniture has been added, including thirty large black walnut settees.

In the original purchase of the site for the hospital two parcels of land which are included in the regular boundaries of the premises were omitted, it is supposed by mistake. The first contains about one-eighth of an acre, situated on the eastern boundary, near the Mill River dam, and was formerly occupied by Messrs Wright and Rust's ice-house. The second is on the southern boundary, about one-fourth of an acre in extent. It was enclosed in the hospital garden and has been cultivated for many years. These tracts have been purchased during the past year of Theodore Rust. A piece of land 129 rods in extent, lying along the southern boundary of the Clarke orchard, was also purchased.

The improvements upon the farm have been continued; in the western pasture fourteen acres of unimproved land being now under cultivation. The farm continues to increase in productiveness and in value to the hospital as a source of supply of food. It now contains about 365 acres. The new farm buildings erected last year have been fitted up for use, and are found to be very convenient and useful. The experiment with ensilage last year was successful, and will be continued on a larger scale.

The plan of placing the criminal and vicious classes of the insane in an institution by themselves is, in the opinion of the Trustees of this hospital, a move in the right direction. They are always a disturbing element in the wards of a hospital, both in their habits and in their resistance to good order and discipline. In the present arrangement of this hospital they are necessarily brought in contact with other patients. It is no more just to compel the insane of good character to associate with them than it would be the sane.

We have to record the death of Mr. Silas M. Smith, who was a member of this Board for twenty-six years. He always had a special interest in the welfare and prosperity of the hospital, and his services were valuable from his intimate acquaintance with the affairs of the institution, and the active part that he always took in the business that devolves upon this Board.

The money received for the board of patients during the year is as follows :—

For State patients,	\$20,853 99
town patients,	49,186 54
private patients,	17,879 71
Total,	<u>\$87,920 24</u>

The financial statement for September 30, 1887, is as follows :—

The reserve fund,	\$10,000 00
And cash assets available for future use,	29,673 10
Total,	<u>\$39,673 10</u>
And liabilities, bills payable,	5,503 21
Balance in favor of the hospital,	<u>\$34,169 89</u>

Dr. Daniel Pickard resigned the office of assistant physician July 1 to take effect October 1. Dr. Hall, who was granted a leave of absence for a year to study in Europe, resumed his work in September. Dr. Charles G. Dewey acted as assistant physician during the vacancy and performed his duties satisfactorily.

The superintendent, Dr. Nims, has now been in office for two years, and he has in all respects justified the opinion formed by the Trustees of his fitness for his position, derived from long acquaintance with him in the discharge of his duties as assistant physician of the hospital.

The Trustees are agreed that the management of the hospital under his charge is in safe and efficient hands.

C. C. MERRITT,
J. L. OTIS,
SARAH M. BUTLER,
SARAH A. WOODWORTH,
A. C. DEANE,
HENRY W. TAFT,
LYMAN D. JAMES,

Trustees.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1887.

Superintendent and physician,	per year, \$2,500 00
Assistant physician, 2d,	" 800 00
Assistant physician, 3d,	" 700 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),	" 16 00
Seamstress,	" 20 00
Assistant seamstress,	" 14 00
Laundress,	" 18 00
Assistant laundress,	" 18 00
Assistant laundress,	" 16 00
Baker,	" 40 00
Steward,	" 58 33
Assistant steward,	" 35 00
Attendants (male) (10),	" 30 00
Attendants (male) (2),	" 21 00
Attendant (female) (1),	" 20 00
Attendants (female) (12),	" 18 00
Attendant (female) (1),	" 14 00
Night-watch (female),	" 18 00
House-work, centre (female),	" 16 00
House-work, centre (female),	" 15 00
Cook (female),	" 18 00
Assistant cook (male),	" 18 00
Assistant cook (female) (1),	" 15 00
Assistant cooks (female) (2),	" 14 00

Farmers' dining room (female),	per month,	\$15 00
House-work, rear building (female),	"	10 00
Watchman,	"	30 00
Carpenter,	per day,	2 25
Carpenters,	"	2 00
Painter,	per month,	50 00
Assistant engineer,	"	32 00
Night engineer and gardener in summer,	"	30 00
Coachman,	"	28 00
Farm hands (6),	"	28 00
Farm hand (1),	"	25 00
Farm hand (1),	"	23 00

In the warm season we generally hire some farm hands by the day. This year we had four, at \$1.50 per day, without board. They work mostly on improvements of the farm.

INVENTORY OF STOCK AND SUPPLIES

ON HAND SEPT. 30, 1887.

Live stock on hand,	\$7,278 00
Produce of farm on hand,	9,177 40
Carriages and agricultural implements,	3,235 00
Machinery and mechanical fixtures,	7,700 00
Beds and bedding in inmates' department,	12,600 00
Other furniture in inmates' department,	4,900 00
Personal property of State in Superintendent's department,*	9,000 00
Ready-made clothing,	3,314 67
Dry goods and miscellaneous,	3,314 37
Provisions and groceries,	3,196 08
Drugs and medicine,	850 00
Fuel,	6,073 75
Library,	1,000 00
Paints and oils,	475 00
<hr/>	
Total,	\$72,114 27

* 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, 1887. It contains, as usual, an appraisal of the property of the institution, an account of the receipts and the disbursement of money during the year, and the financial condition at its close.

ASSETS.

Three hundred and sixty-five acres of land,	\$45,000 00
Hospital building,	250,000 00
Farm house, \$2,000; brick house, \$2,000,	4,000 00
Three dwellings (H. Day lot),	1,200 00
Storehouse and shops,	16,000 00
Two barns,	5,500 00
Horse stable,	2,000 00
Scullery and wood-house,	700 00
Lumber house,	1,100 00
Pump house,	1,000 00
Cart shed,	500 00
Coal-house,	250 00
Piggery,	3,000 00
Cattle shed,	1,200 00
Fire-proofs for oils and paints,	500 00
Two ice houses,	600 00
	\$332,550 00

PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the Trustees' report,	\$72,114 27
Reserve fund,	10,000 00

RECEIPTS.

Cash on hand Sept. 30, 1886,	\$2,994 21
Received from the State treasurer,	22,785 21
from towns,	50,797 85
from individuals,	18,074 40
from sales,	3,647 10
from interest,	695 63
	<hr/>
	\$98,994 40

PAYMENTS.

1st. Salaries and labor,	\$28,849 71
2d. Provisions and supplies, viz.:—	
Meats of all kinds,	\$6,556 98
Fish of all kinds,	1,253 32
Fruit and vegetables,	1,373 28
Flour,	2,626 25
Grain and meal for table,	518 19
Tea, coffee and chocolate,	1,003 24
Grain and meal for stock,	2,689 59
Sugar and molasses,	1,695 19
Butter and cheese,	4,948 92
Salt and other groceries,	2,136 43
All other provisions,	1,043 41
	<hr/>
	25,844 80
3d. Clothing,	5,070 69
4th. Fuel and lights,	7,546 48
5th. Medicines and medical supplies,	1,094 15
6th. Furniture, beds and bedding,	3,864 68
7th. Transportation and travelling expenses,	358 12
8th. Ordinary construction and repairs,	2,156 69
9th. Extraordinary construction and repairs,	8,868 56
10th. Miscellaneous expenses, including,—	
1. Real estate,	\$1,200 00
2. Farm stock,	1,996 05
3. Farm supplies,	3,726 88
4. Water,	1,172 50
5. Minor expenses,	402 99
6. Contingencies,	1,359 08
	<hr/>
	9,857 50
	<hr/>
Total expenditures,	\$93,511 38

LIABILITIES.

Salaries and wages due Oct. 1, 1887,	\$3,620 71
Miscellaneous bills due,	1,882 50
	<hr/>
	\$5,503 21

Due the institution for board Oct. 1, 1887 :—

from State,	\$4,793 91
towns,	15,342 14
individuals,	4,054 03
treasurer, Sept. 30, 1887, . . .	5,483 02
	<hr/>
	\$29,673 10

SUMMARY.

Total receipts,	\$98,994 40
Total payments,	93,511 38

Cash on hand Sept. 30, 1887,	<hr/>
	\$5,483 02

Total liabilities,	\$5,503 21
Total debts due the institution,	29,673 10
Total expenditures, including new buildings,	93,511 38

Dividing this sum by 478.55, the average number of patients, we have the average expenditure per patient, . . .	\$195 40
And the average weekly expenditure per patient, . . .	3.747

Deducting from the total expenditures,	\$93,511 38
The extraordinary expenses,	8,868 56

We have the current expenses,	<hr/>
	\$84,642 82

Dividing \$84,642 82 by 478.55, the average number of patients, we have the average expenditure per patient, . . .	\$176.877
Making the average weekly expenditure per patient, . . .	3.392

Adding to the current cash expenditure,	\$84,642 82
The decrease of personal assets,	304.07

We have the <i>necessary</i> cost for the year,	<hr/>
	\$84,946 89

Dividing \$84,946 89 by 478.55, the average number of patients, we have, as the annual cost of each patient, . . .	\$177.508
Making the average weekly cost of each patient, . . .	3.40

EDWARD B. NIMS,

Treasurer.

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

HENRY W. TAFT,
J. L. OTIS,

Auditors.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The report of the Superintendent is respectfully presented for the year 1886-87, giving the history of the operations of the hospital and accompanied by the usual statistical tables.

The important facts and circumstances connected with the movement of population, the general results of treatment, and the changes more or less important which have occurred in the various departments are given in detail. Quiet steady progress and the routine of hospital life do not afford material for highly interesting reports, however valuable and important the results may be. The following table gives the changes in population for the past year:—

1. *General Statistics, 1886-87.*

	Males.	Females.	Total.
Patients in hospital Oct. 1, 1886,	244	247	491
Admitted within the year,	72	76	148
Whole number of cases within the year,	316	323	639
Discharged within the year,	92	78	170
Viz.: as recovered,	17	10	27
much improved,	5	3	8
improved,	36	31	67
unimproved,	21	16	37
Deaths,	13	18	31
Patients remaining Sept. 30, 1887,	224	245	469
Viz.: supported as State patients,	55	50	105
town patients,	135	164	299
private patients,	34	31	65
Number of different <i>persons</i> within the year,	312	321	633
<i>Persons</i> admitted,	72	76	148
recovered,	17	10	27
Daily average number of patients,	233.27	245.28	478.55

On the 1st of October, 1887, one woman was transferred from State to town charge. Hence the new year will begin with—

State patients,	55	49	104
Town patients,	135	165	300

The number of patients in the house at the beginning of the year was 491, of whom 244 were men and 247 women; 148 patients were admitted during the year, of whom 72 were men and 76 women.

The whole number of patients under treatment was 639, of whom 316 were men and 323 women.

No person was admitted more than once during the year, hence the number of cases and of persons admitted was the same.

The average daily number in the house was larger than in any preceding year, notwithstanding an unusually large number of transfers to other institutions.

The largest number of patients on any one day was 494, the smallest 459.

The number of re-admissions was 29, which is smaller than usual. Of the admissions 119 were the first, 19 the second, 7 third, 2 fourth and 1 the seventh. The number of first admissions, excluding transfers from other institutions in preceding years, was larger than ever before. This fact may be taken as significant, inasmuch as the admissions are, with one exception, from the four western counties of Massachusetts; 89 of those admitted were of American birth, and 59 of foreign.

Sixty-three patients were suffering from acute disease, 16 were suicidal, 20 were homicidal, 6 were in a bruised or maimed condition when admitted, 10 were epileptic, 4 had paresis, and 5 gave evidence of syphilitic disease; 63 were cases of mania, 31 of melancholia, 28 of dementia. There were also 9 inebriates.

Seventy-one were married, 77 were unmarried.

One hundred and four had been insane over six months, the most curable period of their disease having passed.

Of the 143 patients discharged as not recovered 52 returned to their homes, 12 were taken to almshouses, 9 went out to board in families, 8 were sent out of the State, 2 eloped, 10 were removed to the Worcester Asylum for the Chronic Insane, 10 to the State Farm at Bridgewater, and 11 to the Westborough Lunatic Hospital.

STATUS OF PATIENTS.

Of the 148 patients admitted 30 were supported by the State, 92 by cities and towns, and 26 by individuals.

Of the 170 patients discharged, including those who died, 63 were supported by the State, 82 by cities and towns, and 25 by individuals.

Of those remaining Sept. 30, 1887, 105 are supported by the State, 299 by towns and cities, and 65 by individuals. The decrease in the number of State charges, and a corresponding increase in the number of those charged to towns and cities, is very noticeable, — the number of those supported by the State being less by 38, at the end of the year, than at the end of 1886, while the number charged to towns and cities is larger by 18. The reason for this change is found largely in the fact that legal settlements are acquired more readily under the laws now than in former years.

The following table is inserted to show the weekly average number in each class for two years past, and the changes in status, as compared with the year previous : —

	1885-86.			1886-87.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, . .	80.56	59.67	140.23	70.826	51.961	122.78
Town patients, . .	124.73	145.79	270.52	129.153	160.230	289.38
Private patients, .	32.44	31.17	63.61	33.404	32.596	66.00

RECOVERIES.

The question of recoveries always comes up for consideration in this report. When we look at the small number reported as recovered, we can readily understand the impression which prevails, and which we occasionally see commented upon, that more patients die in the hospitals than recover. It is not an easy matter to decide when a patient is fully recovered. Under the modern idea of recovery we are limited in the classes to which we can apply that term.

We must exclude that class of patients known as the recurrent cases, who, though they may appear to be perfectly well when discharged, yet from our knowledge of their history and from the insane diathesis which we are sure they have, are tolerably certain to relapse at some future time. We must exclude that class of cases which are congenitally deficient mentally, of whom it may be said when discharged that they are as well as they ever were, or ever will be.

We must often exclude those cases who become insane as a result of disordered habits, of whom we can say when discharged, that if they would live temperate, sober and regular lives they would probably remain well, yet we are almost certain that in time they will reappear in the hospitals. Other classes might be enumerated. The term "improved" does not express fully the work that is done for many who are included under that term. Less than one-half of the patients admitted during the past year could be reasonably regarded as curable.

The number of recoveries reported for the year was 27. No person was discharged as recovered more than once. Of the 119 patients who were admitted for the first time 21 were discharged as recovered; of the second admissions, 5; of the fifth, 1.

The ratio of recoveries to the number admitted was 18.24 per cent.

The ratio of recoveries to the number of discharges was 15.88 per cent.

The ratio of recoveries to the average daily population was 4.22 per cent.

The ratio of recoveries to the number discharged, exclusive of deaths, was 19.42 per cent.

DISCHARGE ON PROBATION.

The number of patients discharged under the sixty days law on probation was 48. Forty-four of these were fully discharged at the end of the sixty days, and four returned before the time expired. Of the whole number thus discharged 31 went to their homes, and all but three have remained there until the present time. Eight were boarded out in families by the State Board of Lunacy and Charity

and ten went to almshouses. Continued experience in this form of discharge only confirms the opinion expressed in a former report of its value and efficiency in relieving the Superintendent of responsibility in the discharge of doubtful cases, and as a means of testing the condition of patients by a change of associations and surroundings, previous to a complete discharge.

DEATHS.

The number of deaths for the year is an average one. The total was 31. As usual the larger portion died from the effects of chronic diseases. Seven patients died of consumption, five of chronic brain disease, three of general paralysis of the insane, four of apoplexy as the sequel of protracted brain disease, one of cancer, one of epilepsy and one of chronic diarrhœa. Seven persons died of diseases which were more or less acute in character. One man, an epileptic, died of enteritis, which was caused by falling in a convulsion. Two aged people were brought to the hospital under the high excitement of acute mania and soon died of exhaustion; one person died of typhomania, one aged man of erysipelas, one woman who had been for a long time ill died of dysentery, probably as a sequel of other diseases, one feeble man of strangulated hernia, and two persons who were aged 82 and 84 years, of old age, no special disease being apparent in their cases. The review of these cases shows what has often been reiterated in these reports, that the prevailing diseases in hospitals are essentially chronic in their character, and that this fact stands in the way of recovery or improvement in many cases of mental disease. The hospital has been fortunately exempt from suicide for the past two years, nor has any epidemic disease prevailed.

The ratio of deaths to the daily average number of patients was 6.47 per cent. and on the whole number of cases treated 4.85 per cent.

The status of the 31 persons who died was as follows, 9 State patients, 20 town and 2 private.

The following table gives the annual number of deaths, and the ratios to the average and whole number of persons treated in the hospital:—

Deaths and their Ratios from Sept. 30, 1858, to Oct. 1, 1887.

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.	Total.		
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	474.4	14	12	26	3.94	5.48
1886-87, .	639	478.55	13	18	31	4.85	6.47

WORSHIP AND ENTERTAINMENT.

The assemblies of patients were continued during the year with a variety of exercises, as given in the following table :—

Exercises in Chapel.

1. ON THE SABBATH,—

Divine worship, 52 days.

2. ON SECULAR EVENINGS,—

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

The Bible and selections of poetry, 37 days.

The Bible and selections of prose, 2 "

The Bible and selections of poetry and prose, 13 "

Miscellaneous selections of prose, 74 "

Miscellaneous selections of poetry, 35 "

Miscellaneous selections of poetry and prose, 65 "

Recitations, 2 "

(b) *Other Entertainments:*

Pictures shown with the stereopticon,	7 days.
Concert,	1 "
Ventriloquism,	1 "

(c) *Social Assemblies:*

Quadrille parties,	20 "
No assembly,	56 "
Total,	365 days.

During the months of July, August and September, the assemblies were omitted on Tuesday and Friday evenings, and on the evenings of days in which official visits were made to the hospital. The religious services on the Sabbath were regularly maintained. The average attendance at these services for the year was 288. The largest number on any day was 310; the smallest, 266.

The variety of the exercises in the assemblies was not as large as usual on account of circumstances beyond the control of the present officials, yet the uniformly large attendance, and the frequent commendatory remarks made by persons in attendance, are evidence that the exercises were appreciated, and the effects upon them favorable. It is specially interesting and often gratifying to observe in these exercises the progress and gradual change towards recovery in certain cases, and the improvement in general appearance, self-control and mental condition of very many who may not entirely recover.

There is an abundant reward for all the labor and effort involved.

FARM.

The cultivation of the farm has been carried on upon a larger scale than ever before, and with good success. The season has been favorable in most respects, and the products generally larger in quantity. The apple crop was smaller, owing to the fact that it was not the bearing year.

There was an increase of thirty-three tons in the hay crop, and a shortage in that of potatoes. The amount of work done by the patients is up to the average. The following table gives the annual amount of hay produced:—

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

The large piggery erected last year has proved a success, and is a source of profit to the institution. Fifty-six hogs were slaughtered. The total weight of pork produced was 26,331 pounds, — the largest animal weighing 667 pounds. The following table gives the statistics upon this point : —

Pork Raised upon the Farm.

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

* Quantity diminished by disease.

Twenty-eight thousand eight hundred and sixty-four gallons of milk were produced, one-third, as usual, being entered in the list of products. The remaining two-thirds are estimated as being charged to the farm in other ways.

One hundred tons of ensilage were stored in the silo, the experience of the previous year having satisfied those who

conduct the farm, of its utility both as a fodder and as a profitable product.

The usual supply of cattle and sheep have been purchased to furnish the tables with beef and mutton during the winter.

List of Products in 1887.

Hay (first growth of home farm), 165½ tons, at \$15,	\$2,482 50
Hay (south lot), 26½ tons, at \$15,	397 50
Hay (Clarke orchard), 21 tons, at \$15,	315 00
Hay (after growth of whole farm), 87½ tons, at \$15,	1,312 50
Hay (Hungarian grass), 1½ tons, at \$15,	22 50
Corn fodder, dry, 26 tons,	156 00
Corn, 450 bushels,	275 00
Potatoes, 2,343 bushels,	1,876 40
Broom seed, 30 bushels,	12 00
Broom brush, 700 pounds,	42 00
Carrots, 100 bushels,	40 00
Sugar beets, 800 bushels,	210 00
Beets, 150 bushels,	75 00
Onions, 317 bushels,	253 60
Turnips, 460 bushels,	184 00
Parsnips, 60 bushels,	36 00
Beans (Lima), in shell, 191 bushels,	191 00
Beans (common), in shell, 57 bushels,	57 00
Beans (string), 5 bushels,	5 00
Beans (Lima), dry, 2 bushels,	6 00
Beans (common), dry, 61½ bushels,	61 50
Pease (green), in pod, 144 bushels,	289 50
Sweet corn (green), in ear, 286½ bushels,	286 50
Tomatoes, 179½ bushels,	179 50
Lettuce, 68 bushels,	68 00
Cucumbers, 137½ bushels,	137 50
Squash (summer), 65½ bushels,	65 50
Squash (winter), 2⅞ tons,	108 00
Melons, 10,319 pounds,	103 19
Asparagus, 27 bushels,	81 00
Pie plant, 69 bushels,	69 00
Beet greens, 11½ bushels,	11 50
Spinach, 69 bushels,	69 00
Cabbage, 1,900 heads,	114 00
Currants, 7 bushels,	20 00
Apples, 401 barrels,	601 50
Pears, 50½ bushels,	42 38
Quinces, 10½ bushels,	21 00
Grapes, 210 pounds,	8 40
Veal (raised here), 518 pounds,	58 13
Pork, 26,331 pounds,	1,816 67

Pigs sold, 278,	\$758 00
Pigs (roasting), 7,	14 00
Turkeys, 148 pounds,	29 70
Chickens, 1,153½ pounds,	234 80
Heads and plucks, 5,	5 00
Eggs, 777 dozen,	184 10
Milk (grass fed), 9,621½ gallons,	2,309 12
Cider, 40 barrels,	80 00
Calfskins, 6,	7 20
Young calves sold, 10,	29 50
Wood, 20 cords,	60 00
Citron, 410 pounds,	4 10
Ensilage, 100 tons,	350 00
Peppers, 1 bushel,	2 00
	<hr/>
	\$16,258 29

EXERCISE.

The spacious grounds about the institution are laid out in walks and driveways and interspersed with grove, meadow and upland, and are much used by patients for walking and exercise.

The portion allotted to the male patients contains about two hundred acres, while that given to female patients is much less.

It is expected that all patients who are able, will go out of doors more or less each day when the weather permits.

HOW THE HOSPITAL IS SUPPORTED.

The following financial exposition is the same that was published in the annual report for 1885-86, 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 ten dollars 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 past year were \$50.

For the entire support of State patients, including clothing and all loss from breakage and other kinds of destruc-

tion, 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 statute law. One hundred and five or more than one-fifth of the inmates now belong to this class. During the past year the weekly average of them was 25.76 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; but the towns clothe their patients and remunerate the hospital for damages done by them. Two hundred and ninety-nine of the inmates are now in this class. The weekly average of them for the year was 60.06 per cent. of the whole.

For private patients there is no uniform price. The average pay from all who were here Sept. 30, 1887, was \$5.061 each per week. Clothing and damages are extra charges. The weekly average of these patients during the past year was a fraction over 13 per cent. of the whole.

The average weekly pay per capita charged by the hospital for all its patients, State, town and private, in the course of the year is \$3.521.

Such are the pecuniary resources of the institution. We turn to the results of

THE FINANCE OF THE LAST TWENTY-TWO 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 first 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 one hundred and seventy-five acres, together with four dwelling-houses. The total cost of this real estate was \$32,083.92.

The State has then, in this way alone, been overpaid for its bonus in the sum of \$27,083.92.

The amount paid by the hospital for repairs and improvements in the course of the last year is \$11,025.25; in the course of the twenty-two years from Sept. 30, 1865, to Sept. 30, 1887, is \$260,760.78.

The surplus of cash assets now on hand, including the reserve fund, is \$34,169.89, or \$33,867.85 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 \$15,898.87. The estimated value of similar supplies on the 30th of April, 1865, was \$2,500. The increase of assets under this head is, therefore, \$13,398 87.

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,	\$27,083 92
Repairs and improvements,	260,760 78
Excess of present cash assets,	33,867 85
Increase of provisions and supplies,	13,398 87
Increase of furniture,	8,000 00
Total,	<u>\$343,111 42</u>

The necessary current repairs of the building may be estimated at \$3,000 annually. Deducting this sum for each of the twenty-two years since Sept. 30, 1865, a total of \$66,000, there is a remainder of \$277,111.42. 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 credited 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 taxpayers 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 three hundred and seventy-five thousand five hundred and fifty dollars (\$375,550).

EMPLOYMENT.

The proportion of patients which are employed in various occupations has always been large. The number of days' work, of which a regular account was kept, as done in the laundry, kitchen, sewing-room, and on the farm in the past year was 27,477.

No account is made of the large amount of work which was done in the various minor duties about the institution, such as assisting in the daily household work, or of work done by patients for themselves. It is estimated that fully 75 per cent. of the patients in the hospital are occupied a portion of the time in various kinds of labor.

To many who are excited it affords an object on which to expend their energies, gives the needed exercise and prepares the way for regular rest and sleep, and improved alimentation. Many who are depressed are helped to forget their troubles and in others who are sinking into dementia a more healthy mental action is induced.

These often relearn what they once knew, or regain the knowledge and faculties which are partially lost after a long-continued mental alienation.

ACKNOWLEDGMENTS.

The hospital is under obligations to various people for favors granted during the year. To Professor Pray, who entertained very acceptably by an exhibition of sleight-of-hand and jugglery, and to Mr. H. Bryant for a performance in ventriloquism; to the Opera House orchestra for a concert; to Dr. T.W. Meekins for several exhibitions of stereoscopic views; to Miss Florence Austin for a quantity of reading matter; to Mr. S. E. Bridgman for magazines, etc., and Mrs. S. M. Butler for the same; also to several persons who are unknown for papers and magazines; to several persons for Christmas gifts; to the publishers of the "Christian Register" and "Staaten Zeitung," for those papers through the year.

CONCLUSION.

The year which has passed has brought but few changes. Ida D. Hyde resigned her position as laundress to accept another position in the hospital; Nettie Lyman was appointed to fill the vacancy. Gertrude C. Arnold resigned the position of seamstress to accept that of assistant clerk; Susan A. Miller was appointed to the vacancy. Two attendants and one employee were discharged for insubordination and neglect of duty. Changes in the corps of attendants are not desirable, coming as they generally do to the hospital without any special preparation for their work, or acquaintance with it. The efficiency of the hospital depends very much upon the faithfulness of those who are brought into immediate contact with the patients. For those who remain associated with me upon the medical staff, and others who are in charge of the various departments of work, I have only words of commendation for their faithfulness in duty, and loyalty to the best interests of the institution.

EDWARD B. NIMS.

13. Monthly disbursements, 1900-1901.

MONTH.	Disbursements			Receipts			Balance forward		
	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.
Salaries	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Traveling	20.00	15.00	10.00	5.00	5.00	5.00	5.00	5.00	5.00
Supplies	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Other	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
Total	135.00	130.00	125.00	120.00	120.00	120.00	120.00	120.00	120.00

APPENDIX.

The following table shows the results of the work done by the various departments of the Bureau of the Census during the year 1900-1901. The figures are given in thousands of persons, unless otherwise stated.

1. Results of the work of the Bureau of the Census.

NAME OF THE DEPARTMENT.	Total persons			Total persons		
	Male	Female	Total	Male	Female	Total
Population	100,000	100,000	200,000	100,000	100,000	200,000
Married couples	50,000	50,000	100,000	50,000	50,000	100,000
Unmarried persons	50,000	50,000	100,000	50,000	50,000	100,000
Total of both	100,000	100,000	200,000	100,000	100,000	200,000

**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.
1886.									
October,	5	7	12	5	4	9	243.55	248.68	492.23
November,	3	10	13	12	9	21	239.1	251.27	490.37
December,	5	7	12	7	13	20	235.93	350.42	486.35
1887.									
January,	3	5	8	4	8	12	232.17	243.55	476.26
February,	9	1	10	4	4	8	235.4	239.7	475.1
March,	4	4	8	3	2	5	238.51	239.03	477.54
April,	4	7	11	4	2	6	237.8	243.1	480.9
May,	6	8	14	6	7	13	239.8	245.9	485.7
June,	11	7	18	18	4	22	232.	248.5	480.5
July,	4	5	9	17	13	30	225.23	244.90	470.13
August,	8	9	17	7	7	14	217.58	243.87	461.45
September,	10	6	16	5	5	10	221.63	244.50	466.13
Total of cases,	72	76	148	92	78	170	—	—	—
Total of persons,	72	76	148	90	78	168	—	—	—
Daily average for the year,	—	—	—	—	—	—	233.27	245.28	†* 478.55

* 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,	58	61	119	—	—	—
Second,	7	12	19	3	4	7
Third,	5	2	7	4	3	7
Fourth,	1	1	2	—	—	—
Seventh,	1	—	1	2	—	2
Total of cases,	72	76	148	9	7	16
Total of persons,	72	76	148	5	6	11

4. Age 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	—	3	1	—	1
From 15 to 20 years,	5	2	7	—	2	2
20 to 25 years,	11	5	16	15	1	16
25 to 30 years,	2	10	12	5	10	15
30 to 35 years,	2	2	4	5	8	13
35 to 40 years,	7	3	10	7	2	9
40 to 50 years,	11	16	27	8	17	25
50 to 60 years,	8	10	18	11	15	26
60 to 70 years,	2	3	5	5	6	11
70 to 80 years,	—	—	—	—	—	—
Over 80 years,	1	—	1	1	—	1
Unknown,	6	10	16	—	—	—
Total of persons,	58	61	119	58	61	119

5. Parentage of Persons Admitted.

PLACES OF NATIVITY.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	1	1	—	—	1	1
New Hampshire,	2	2	1	1	3	3
Vermont,	2	—	2	1	4	1
Massachusetts,	18	16	17	18	35	34
Rhode Island,	—	1	—	—	—	1
Connecticut,	2	1	—	1	2	2
New York,	5	7	2	2	7	9
Pennsylvania,	1	2	1	—	2	2
Ohio,	—	—	—	1	—	1
Michigan,	1	—	—	—	1	—
Illinois,	—	1	—	—	—	1
Kentucky,	—	—	—	1	—	1
Virginia,	2	1	—	—	2	1
Maryland,	—	—	—	1	—	1
Canada,	5	5	4	5	9	10
England,	1	2	1	—	2	2
Ireland,	21	22	40	38	61	60
Scotland,	1	1	—	—	1	1
Germany,	2	2	1	1	3	3
Unknown,	8	8	7	6	15	14
Total of persons,	72	72	76	76	148	148

6. *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire County,	14	14	28
Hampden County,	31	38	69
Berkshire County,	15	21	36
Franklin County,	11	3	14
Middlesex County,	1	—	1
Total of <i>persons</i> ,	72	76	148
Cities and large towns,	37	48	85
Country districts,	35	28	63
Total of <i>persons</i> ,	72	76	148

7. *Civil Condition of Persons Admitted.*

NUMBER OF THE ADMISSION.	UNMARRIED.			MARRIED.			WIDOWED.			DIVORCED.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
First,	28	17	44	27	29	56	3	14	17	—	1	1
Second,	3	1	4	4	8	12	—	2	2	—	1	1
Third,	5	1	6	—	1	1	—	—	—	—	—	—
Fourth,	—	1	1	1	—	1	—	—	—	—	—	—
Fifth,	—	—	—	—	—	—	—	—	—	—	—	—
Sixth,	—	—	—	—	—	—	—	—	—	—	—	—
Seventh,	—	—	—	1	—	1	—	—	—	—	—	—
Total of <i>per- sons</i> ,	36	20	56	33	38	71	3	16	19	—	2	2

8. *Occupations of Persons Admitted.*

OCCUPATIONS.	Males.	OCCUPATIONS.	Females.
Broker,	1	Blacksmith's wife,	1
Cabinet maker,	1	Carpenter's wife,	2
Clerk,	4	Carpenter's daughter,	1
Commercial traveller,	1	Clerk,	1
Druggist,	1	Cloak maker,	1
Editor,	1	Domestic,	3
Farmer,	13	Druggist's wife,	1
Fire adjuster,	1	Electric physician,	1
Florist,	1	Farmer's wife,	3
Laborer,	18	Housekeeper,	7
Mechanic,	2	Laborer's wife,	9
Merchant,	2	Miner's wife,	1
Mill operative,	1	Mill operative,	6
None,	3	Mill-operative's wife,	2
Plumber,	1	Merchant's wife,	3
Paper manufacturer,	2	Machinist's wife,	1
Painter,	1	Nurse,	1
Steel polisher,	1	None,	10
Shoe maker,	1	Paper-maker's wife,	1
Student,	1	Paper finisher,	1
Saloon keeper,	3	Shoe-maker's wife,	2
Tin smith,	2	School teacher,	1
Tea peddler,	1	Tailor's wife,	2
Tailor,	1	Truckman's wife,	2
Unknown,	1	Tailoress,	1
Weaver,	3	Thread-maker's wife,	1
Wire maker,	2	Wire-maker's wife,	1
Whip maker,	1		
Wool sorter,	1	Total of <i>persons</i> ,	76
Total of <i>persons</i> ,	72		

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, . . .	1	1	2	—	—	—	—	—	—
Under 1 month, . .	6	11	17	3	2	5	10	13	23
From 1 to 3 months,	9	8	17	1	—	1	10	8	18
3 to 6 months,	4	6	10	1	3	4	5	9	14
6 to 12 months,	5	7	12	1	1	2	6	8	14
1 to 2 years, . .	12	10	22	—	1	1	12	11	23
2 to 5 years, . .	6	4	10	2	2	4	8	6	14
5 to 10 years, . .	2	3	5	—	4	4	2	8	10
10 to 20 years, .	2	—	2	1	1	2	3	1	4
Over 20 years, . . .	—	—	—	1	—	1	1	—	1
Unknown,	11	11	22	4	1	5	15	12	27
Total of cases, . .	58	61	119	14	15	29	72	76	148
Total of persons, .	58	61	119	14	15	29	72	76	148
Average of known cases,	$2\frac{3}{47}$	$1\frac{11}{23}$	$1\frac{1}{8}$	$4\frac{2}{8}$	$4\frac{1}{13}$	$4\frac{3}{23}$	$2\frac{2}{37}$	$1\frac{5}{16}$	$2\frac{3}{40}$

* 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 acquired,	7	3	10
General paralysis of the insane,	4	—	4
Mania, acute,	15	21	36
chronic,	1	14	15
recurrent,	1	6	7
a potu,	2	1	3
puerperal,	—	1	1
senile,	1	—	1
Melancholia, acute,	8	11	19
chronic,	6	—	6
recurrent,	4	1	5
puerperal,	—	1	1
Dementia, primary,	10	9	19
secondary,	5	1	6
senile,	1	2	3
Dipsomania,	1	2	3
Inebriate,	6	3	9
Total of cases,	72	76	148
Total of persons,	72	76	148

11. *Probable Causes of Insanity in Persons Admitted.*

CAUSES.	Males.	Females.	Totals.
<i>Physical.</i>			
Ill-health,	5	8	13
Epilepsy,	4	3	7
Intemperance,	7	6	13
Overwork,	2	2	4
Overwork and ill-health,	—	2	2
Change of life,	—	2	2
Change of life and ill-health,	—	1	1
Change of life and intemperance,	—	1	1
Loss of friends and ill-health,	—	2	2
Hereditary,	2	5	7
Masturbation,	1	—	1
Injury of head,	—	2	2
Old age,	1	1	2
Overwork and study,	1	—	1
Puerperal,	—	2	2
Injured by fall,	5	—	5
Nervous exhaustion,	2	—	2
Sunstroke,	3	—	3
Over-excitement,	1	—	1
Congenital,	—	1	1
<i>Mental.</i>			
Business trouble and intemperance,	2	—	2
Loss of friends,	—	3	3
Mental shock,	—	1	1
Religious excitement,	1	3	4
Total of mental,	3	7	10
Total of physical,	34	38	72
Unknown,	35	31	66
Total of persons,	72	76	148

12. *Relation to Hospital of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital,	57	59	116
Former inmates of this hospital,	14	14	28
Former inmates of other hospitals in this State,	—	1	1
Former inmates of hospitals in other States,	1	1	2
Former inmates of this hospital and of hospitals in other States,	—	—	—
Former inmates of other hospitals in this State and of hospitals in other States,	—	—	—
Former inmates of foreign hospitals,	—	1	1
Former inmates of this hospital and of foreign hospitals,	—	—	—
Former inmates of hospitals in Montreal,	—	—	—
Total of <i>persons</i> ,	72	76	148

13. Discharges Classified by Admission and Result.

ADMISSION.	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.
First, .	15	6	21	4	2	6	26	26	52	19	16	35	10	15	25	71	65	139
Second, .	2	3	5	-	1	1	5	3	8	2	-	2	3	2	5	12	9	21
Third, .	-	-	-	-	-	-	1	2	3	-	-	-	-	1	1	1	3	4
Fourth, .	-	-	-	-	-	-	2	-	2	-	-	-	-	-	-	2	-	2
Fifth, .	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1
Sixth, .	-	-	-	1	-	1	1	-	1	-	-	-	-	-	-	2	-	2
Seventh, .	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
Total of cases, .	17	10	27	5	3	8	36	31	67	21	16	37	13	18	31	92	78	170
Total of persons, .	17	10	27	4	3	7	35	31	66	21	16	37	13	18	31	90	78	168

14. *How Supported.*

SUPPORTED AS	PATIENTS ADMITTED.			WEEKLY AVERAGE OF THE YEAR.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, . .	17	13	30	70.826	51.961	122.78
Town patients, . .	40	52	92	129.153	160.230	289.38
Private patients, . .	15	11	26	33.404	32.596	66.00
Total of cases, . .	72	76	148	233.383	244.787	478.16 *

* This weekly average is .39 less than the daily average 478.55.

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, . .	6	3	9	5	3	8	—	—	—
From 1 to 3 months, . .	2	1	3	7	1	8	5	1	6
3 to 6 months, . .	—	—	—	3	4	7	—	3	3
6 to 12 months, . .	1	—	1	2	2	4	5	1	6
1 to 2 years, . .	1	2	3	—	—	—	—	—	—
2 to 5 years, . .	2	1	3	—	—	—	2	2	4
5 to 10 years, . .	—	—	—	—	—	—	—	—	—
10 to 20 years, . .	—	—	—	—	—	—	—	—	—
Over 20 years, . .	—	—	—	—	—	—	—	—	—
Unknown, . .	5	3	8	—	—	—	5	3	8
Total of cases, . .	17	10	27	17	10	27	17	10	27
Total of persons, . .	17	10	27	17	10	27	17	10	27
Average of known cases (in months), . .	7 $\frac{5}{12}$	9 $\frac{4}{7}$	8 $\frac{4}{19}$	3 $\frac{7}{17}$	2 $\frac{1}{2}$	3 $\frac{2}{9}$	15 $\frac{2}{3}$	15 $\frac{1}{4}$	12 $\frac{6}{19}$

16. Cases Resulting in Death — Duration.

PERIOD.	DURATION BEFORE ADMISSION.			HOSPITAL RESIDENCE.			WHOLE DURATION FROM THE ATTACK.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	—	—	—	—	—	—	—	—	—
Under 1 month,	2	2	4	2	2	4	—	1	1
From 1 to 3 months,	1	—	1	1	1	2	1	1	2
3 to 6 months,	—	1	1	—	2	2	—	—	—
6 to 12 months,	2	3	5	—	4	4	—	1	1
1 to 2 years,	2	1	3	2	4	6	—	2	2
2 to 5 years,	—	6	6	5	3	8	1	2	3
5 to 10 years,	1	2	3	—	1	1	4	6	10
10 to 20 years,	2	1	3	1	1	2	2	3	5
Over 20 years,	—	1	1	2	—	2	2	1	3
Unknown,	3	1	4	—	—	—	3	1	4
Totals,	13	18	31	13	18	31	13	18	31
Average of known cases (in months),	49 $\frac{3}{10}$	39 $\frac{12}{17}$	43 $\frac{1}{3}$	68 $\frac{4}{13}$	31 $\frac{1}{18}$	46 $\frac{21}{31}$	106 $\frac{2}{5}$	101 $\frac{9}{17}$	103 $\frac{8}{9}$

17. Cases Discharged by Recovery or Death.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Epilepsy,	—	—	—	1	1	2
Paralysis of the insane,	—	—	—	1	2	3
Mania,	—	—	—	5	3	8
acute,	11	—	11	1	2	3
chronic,	—	—	—	—	2	2
recurrent,	—	1	1	—	—	—
a potu,	1	1	2	—	—	—
puerperal,	—	1	1	—	—	—
Melancholia, acute,	1	1	2	1	1	2
Dementia,	2	2	4	3	4	7
primary,	—	—	—	1	3	4
Dipsomania,	—	1	1	—	—	—
Inebriate,	2	3	5	—	—	—
Totals,	17	10	27	13	18	31

18. *Causes of Death.*

CAUSES.	Males.	Females.	Totals.
Nervous system,—			
Organic disease of the brain,	2	3	5
Exhaustion of acute mania,	1	1	2
Typhomania,	—	1	1
General paralysis of the insane,	1	2	3
Apoplexy,	1	—	1
Paresis,	2	1	3
Epilepsy,	—	1	1
Respiratory,—			
Phthisis,	2	5	7
Zymotic,—			
Erysipelas,	1	—	1
General,—			
Strangulated Hernia,	1	—	1
Enteritis,	1	—	1
Cancer,	1	—	1
Dysentery,	—	1	1
Chronic diarrhœa,	—	1	1
Old age,	—	2	2
Totals,	13	18	31

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.
Second,	1	-	1	1	-	1	1	1	2	-	1	1	3	3	6
Third,	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1
Totals,	1	-	1	1	-	1	1	2	3	-	1	1	3	4	7

20. Recoveries, 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.
Second,	2	3	5	-	-	-	-	-	-	-	-	-	2	3	5
Fifth,	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Totals,	2	4	6	-	-	-	-	-	-	-	-	-	2	4	6

* In all cases of more than one admission the classification is based upon the result of the admission next preceding the last, in each case respectively.

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

PERIOD.	DURATION OF INSANITY. "FROM FIRST ATTACK."			WHOLE KNOWN PERIOD OF HOSPITAL RESIDENCE.		
	Males	Females.	Totals.	Males.	Females.	Totals.
Congenital,	—	—	—	—	—	—
Under 1 month,	—	2	2	2	2	4
From 1 to 3 months,	—	—	—	1	1	2
3 to 6 months,	1	1	2	—	1	1
6 to 12 months,	—	1	1	—	3	3
1 to 2 years,	3	—	3	2	3	5
2 to 5 years,	3	3	6	4	4	8
5 to 10 years,	—	5	5	—	1	1
10 to 20 years,	1	5	6	1	3	4
Over 20 years,	2	—	2	3	—	3
Unknown,	3	1	4	—	—	—
Totals,	13	18	31	13	18	31
Average of known cases (in months),	106 $\frac{2}{5}$	110 $\frac{8}{17}$	105 $\frac{7}{9}$	67 $\frac{12}{13}$	39 $\frac{5}{9}$	51 $\frac{7}{15}$

22. *Ages of those who Died.*

AGES.	AT TIME OF FIRST ATTACK.			AT TIME OF DEATH.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Fifteen years and less,	—	—	—	—	—	—
From 15 to 20 years,	1	1	2	—	—	—
20 to 25 years,	1	1	2	1	1	2
25 to 30 years,	—	—	—	1	1	2
30 to 35 years,	1	2	3	—	1	1
35 to 40 years,	1	2	3	2	1	3
40 to 50 years,	5	5	10	3	6	9
50 to 60 years,	1	4	5	1	5	6
60 to 70 years,	—	1	1	2	1	3
70 to 80 years,	1	2	3	—	—	—
Over 80 years,	1	—	1	2	2	4
Unknown,	1	—	1	1	—	1
Totals,	13	18	31	13	18	31

[illegible]

[illegible]

[illegible]

25. Operations of the Hospital, from the beginning, in each Year.

	1858.	1858-59.	1859-60.	1860-61.	1861-62.	1862-63.	1863-64.	1864-65.	1865-66.	1866-67.	1867-68.	1868-69.	1869-70.	1870-71.	1871-72.	1872-73.	1873-74.	1874-75.	1875-76.	1876-77.	1877-78.	1878-79.	1879-80.	1880-81.	1881-82.	1882-83.	1883-84.	1884-85.	1885-86.	1886-87.
ADMITTED.	Males, .	99	45	73	70	64	48	70	75	61	68	84	90	109	101	102	105	75	76	68	40	63	59	57	62	78	61	66	85	72
	Females, .	129	48	94	52	48	45	64	61	77	84	85	112	102	98	79	88	78	77	71	36	43	58	66	62	69	75	70	98	76
	Totals, .	228	93	167	122	112	93	134	136	138	152	169	202	211	199	181	193	153	153	139	76	106	117	123	124	147	136	136	183	148
Recovered.	Males, .	-	18	-	-	19	30	17	15	22	19	31	23	16	25	19	25	16	19	15	7	13	16	7	13	11	9	17	10	16
	Females, .	-	15	-	-	15	18	16	9	19	17	18	27	27	15	29	12	13	13	18	19	13	12	13	15	17	16	12	19	8
	Totals, .	-	33	33	35	34	48	33	24	41	36	49	50	43	40	48	37	29	32	33	26	26	28	20	28	28	25	29	29	24
Much Improved.	Males, .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	4	9	6	4	8	5
	Females, .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	9	-	11	5	2	3
	Totals, .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	13	13	9	17	9	10	8
Improved.	Males, .	4	9	-	-	25	20	14	13	18	20	23	15	23	23	37	24	21	18	8	17	15	11	15	7	18	16	12	23	36
	Females, .	-	9	-	-	15	18	13	7	15	28	28	43	41	27	22	19	24	31	13	27	13	12	15	14	15	19	17	36	31
	Totals, .	4	18	18	26	40	38	27	20	33	48	51	58	64	60	59	43	45	49	21	44	28	23	30	21	33	35	29	59	67
Unimproved.	Males, .	2	6	-	-	9	4	8	5	5	9	20	22	31	22	23	27	17	24	15	16	11	9	6	14	21	16	10	20	21
	Females, .	2	4	-	-	4	5	7	3	4	8	43	34	30	27	29	18	21	23	17	13	3	10	10	13	14	20	16	23	16
	Totals, .	4	10	4	10	13	9	15	8	9	17	63	56	61	49	52	45	38	47	32	29	14	19	16	27	35	36	26	43	37

DISCHARGED.

26. *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	343.24
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	55.46	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

27. *Monthly Consumption of Gas.*

MONTHS.	Cubic Feet.	Daily Average.
1886.		
October,	38,400	1,238.71
November,	47,200	1,573.33
December,	55,950	1,804.84
1887.		
January,	55,250	1,782.26
February,	43,600	1,557.14
March,	38,800	1,251.61
April,	31,150	1,038.33
May,	21,450	691.93
June,	18,300	848.38
July,	19,050	614.51
August,	22,850	737.09
September,	31,850	1,061.66
Totals,	423,850	14,199.79

28. *Supplies for the Several Departments for the Year 1886-87.*

	Sheets.	Pillow-cases.	Bed-spreads.	Blankets.	Bed-ticks.	Pillow-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.
<i>Men's Department.</i>																											
Upper 1st Hall, . . .	8	28	4	7	2	-	22	12	-	-	3	2	-	-	8	6	24	24	42	-	-	7	2	-	-	-	-
2d Hall, . . .	36	30	-	10	-	-	18	-	-	2	15	-	-	2	6	12	6	30	24	24	24	-	4	1	-	-	-
3d and 4th Halls, . .	66	46	6	-	-	-	18	-	-	1	29	-	2	3	3	24	24	24	-	-	24	-	2	1	-	-	-
Middle 1st Hall, . . .	8	18	-	12	5	24	4	-	-	2	6	-	1	2	4	-	2	30	-	2	18	9	2	-	-	-	-
2d Hall, . . .	27	24	6	6	4	12	12	2	-	-	13	-	1	2	4	14	2	4	4	3	36	8	-	-	-	-	-
3d and 4th Halls, . .	18	18	-	-	-	1	12	-	-	1	14	-	1	4	1	24	-	24	4	3	-	-	-	-	-	-	-
Lower 1st Hall, . . .	24	24	-	-	1	-	-	-	-	-	10	-	2	5	-	-	-	18	-	-	-	-	-	-	-	-	-
2d Hall, . . .	38	12	-	-	-	-	6	-	-	-	37	-	2	1	-	1	-	-	-	-	-	-	-	2	-	-	-
3d and 4th Halls, . .	28	-	6	16	-	-	6	-	-	-	18	-	4	1	-	-	2	-	-	-	-	-	-	-	-	-	-
<i>Women's Department.</i>																											
Upper 1st Hall, . . .	12	-	2	-	1	22	12	4	2	1	6	-	-	-	-	6	12	-	6	-	-	-	-	-	-	-	-
2d Hall, . . .	36	24	6	7	2	-	36	18	2	1	12	-	-	14	2	36	12	30	42	6	12	18	1	4	-	-	-
3d Hall, . . .	52	36	8	12	1	-	30	4	-	6	18	6	-	10	4	18	6	18	24	24	12	6	-	-	-	-	-
4th Hall, . . .	52	32	-	6	3	-	12	5	-	-	-	-	-	16	-	6	30	30	-	-	12	1	-	-	-	-	-
Middle 1st Hall, . . .	24	28	8	4	2	-	42	4	1	1	12	-	-	8	-	60	12	12	18	12	48	30	1	-	-	-	-
2d Hall, . . .	42	72	12	24	2	5	24	2	-	-	48	1	-	52	8	60	12	24	12	12	18	-	-	-	-	-	-
3d Hall, . . .	40	36	6	14	-	-	54	2	-	-	24	-	-	18	-	24	-	12	-	-	18	-	-	-	-	-	-
4th Hall, . . .	24	-	6	-	2	-	30	-	-	-	6	-	-	18	2	-	-	12	-	-	-	-	-	-	-	-	-
Lower 1st Hall, . . .	60	40	-	12	-	10	18	7	1	1	27	-	-	22	-	18	24	6	36	-	-	6	-	-	-	-	-
2d Hall, . . .	64	30	-	36	2	-	36	8	1	-	18	-	-	16	-	12	6	24	-	-	6	-	-	-	-	-	-
3d Hall, . . .	48	24	-	18	-	-	48	4	-	-	42	-	-	23	-	-	-	6	-	-	-	-	-	-	-	-	-
4th Hall, . . .	4	16	-	-	-	6	12	-	-	-	-	-	-	4	-	-	-	12	-	-	-	-	-	-	-	-	-
Kitchen, . . .	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	240	24	-	66	6	26	-	-	-	-	-	-
Rear, . . .	6	3	-	-	-	32	10	14	-	-	-	-	-	1	3	-	-	48	-	-	-	-	-	-	-	-	-
Centre, . . .	14	-	16	-	-	-	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aggregate, . . .	731	541	86	191	25	112	496	84	7	16	364	9	11	225	43	512	214	382	281	157	132	38	5	85	34	4	7

28. *Supplies for the Several Departments for the Year 1886-87 — Concluded.*

	Clothes-bags.	Spoons.	Glass Castors.	Table-spreads.	Napkins.	Tin Plates.	Tin Cups.	Iron Spoons.	Dish Towels.	Hollers.	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 (hammers).
<i>Men's Department.</i>																										
Upper 1st Hall, . . .	1	18	1	2	6	-	4	-	12	12	-	12	40	4	3	1	1	5	3	1	11	1	-	-	-	1
2d Hall, . . .	1	-	-	1	-	-	12	-	12	12	-	16	48	1	1	1	-	1	6	1	6	1	-	-	-	1
3d and 4th Halls, . .	1	30	-	-	-	-	12	-	12	12	-	14	86	-	2	1	-	6	6	2	9	1	-	-	-	2
Middle 1st Hall, . . .	-	12	4	-	-	-	12	-	12	12	-	14	32	3	2	1	1	-	-	-	10	1	-	-	-	-
2d Hall, . . .	-	12	3	-	-	-	12	-	12	6	-	24	60	2	2	4	4	-	4	4	13	2	-	-	-	-
3d and 4th Halls, . .	-	12	1	-	-	-	12	-	12	12	1	31	70	2	1	1	-	4	5	2	16	1	-	-	-	4
Lower 1st Hall, . . .	-	-	2	-	-	-	6	-	6	12	2	9	20	1	1	-	-	2	-	-	5	2	-	-	-	6
2d Hall, . . .	-	-	-	-	-	-	6	-	6	12	-	38	94	1	1	-	-	4	-	3	16	2	-	-	-	-
3d and 4th Halls, . .	-	-	-	-	-	-	18	-	-	18	-	14	116	-	-	1	1	4	5	1	19	-	-	-	-	-
<i>Women's Department.</i>																										
Upper 1st Hall, . . .	1	-	2	-	12	-	-	-	-	-	-	8	26	1	1	1	1	1	3	-	-	-	2	-	2	-
2d Hall, . . .	4	-	4	2	-	-	36	-	18	-	1	23	54	2	3	1	-	3	4	-	-	-	10	-	6	-
3d Hall, . . .	-	12	-	1	-	-	12	-	6	-	-	13	42	1	1	-	-	1	1	-	-	-	14	-	11	-
4th Hall, . . .	-	-	-	5	-	-	12	-	12	-	-	10	52	-	7	-	-	2	-	1	-	-	10	-	10	-
Middle 1st Hall, . . .	-	-	-	-	-	-	12	-	12	-	-	8	40	-	4	2	1	5	2	-	-	-	7	-	3	-
2d Hall, . . .	-	-	8	-	-	-	6	-	18	-	-	29	88	1	1	2	-	7	2	-	-	-	26	-	17	-
3d Hall, . . .	-	-	-	-	-	-	18	-	6	-	-	16	84	-	1	2	-	3	1	-	-	-	23	-	4	-
4th Hall, . . .	-	12	-	1	-	-	12	-	6	-	1	13	45	1	1	1	-	3	3	1	-	-	9	-	9	-
Lower 1st Hall, . . .	2	12	-	1	-	-	12	-	24	-	-	16	62	1	1	1	1	4	3	-	-	-	17	-	4	-
2d Hall, . . .	-	-	1	-	-	-	36	-	24	-	-	29	98	1	1	1	-	4	5	-	-	-	10	-	30	-
3d Hall, . . .	-	-	-	-	-	-	12	-	24	-	-	12	75	1	1	1	1	4	-	1	-	-	43	-	10	-
4th Hall, . . .	-	-	-	-	-	-	6	-	18	-	-	10	24	-	1	3	1	-	1	-	-	-	18	-	3	-
Kitchen, . . .	-	12	-	4	-	-	43	-	-	12	1	56	64	-	1	-	-	1	9	-	-	-	-	-	-	-
Rear, . . .	2	-	-	-	-	-	6	-	-	-	-	76	142	4	4	-	-	-	8	-	-	-	-	-	14	-
Centre, . . .	-	-	-	-	-	-	-	-	12	-	-	6	55	4	2	-	-	1	1	-	-	-	-	-	3	-
Aggregate, . . .	12	132	26	18	18	63	161	255	222	85	7	497	1,518	30	41	15	10	60	65	20	106	9	189	48	135	28

29. *Days' Work by Patients.*

MONTHS.	FARM.	KITCHEN.			SEWING- ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1886.								
October, .	800	155	192	347	213	50	308	358
November, .	718	155	209	364	208	31	324	355
December, .	659	155	200	355	210	49	351	400
1887.								
January, .	613	155	181	336	197	52	348	400
February, .	493	155	169	324	228	48	335	383
March, .	561	155	178	333	213	54	368	422
April, .	643	155	175	330	182	51	321	372
May, .	888	155	194	349	193	52	370	422
June, .	800	155	188	343	178	52	361	413
July, .	797	155	175	330	199	26	343	369
August, .	782	155	184	349	222	44	322	366
September, .	773	155	180	335	221	84	318	402
Totals, .	8,529	1,860	2,225	4,085	2,454	593	4,069	4,662

The patients whose work is recorded in this table were employed as many hours in the day as were the employees in each of the several departments, respectively. The total number of days' work is 20,730, to which may be added 341 days by men in the mattress room, making an aggregate of 21,071 days.

No record was kept of the time of work on the ornamental grounds, at the stable, in the bakery, the boiler room and the carpenter's shop. A large amount of other work was done, both in the halls and at irregular times out of them.

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

Dresses,	284	Napkins hemmed,	93
Waists,	22	Curtains,	117
Chemises,	261	Sheets,	548
Drawers,	128	Pillow-cases,	726
Skirts,	270	Spreads,	102
Night-dresses,	33	Bed-ticks,	98
Burial robes,	6	Pillow-ticks,	48
Hats trimmed,	12	Cushions,	21
Shirts,	371	Clothes-bags,	13
Suspenders, pairs,	292	Dish-towels,	487
Collars,	172	Roller-towels,	222
Aprons,	387	Carpets made,	13
Handkerchiefs hemmed,	48	Carpet-strips hemmed,	107
Camisoles,	40	Ox-blankets,	4
Table-spreads,	5	Articles repaired,	15,832
Table-cloths,	15		

31. Upholstery Done in the Year.

Hair mattresses overhauled, hair repicked,	115
Hair mattresses made, new materials,	39
New husk underbeds made, new materials,	20
Old underbed ticks filled with new husks,	108
Hair pillows made, new materials,	28
Hair pillows overhauled, hair repicked,	43
Cushions made, new material,	54

32. *Annual Cost of Gas.*

Y E A R.	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,	945 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	474.4	1 86
1886-87,	854 97	478.54	1 79

33. *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	" "
Eliphalet Trask,	Springfield,	1856	1875	" "
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	"
Zebina L. Raymond,*	Greenfield,	1858	1859	"
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	" "
Charles Allen,	Greenfield,	1860	1861	Resigned.
Alfred R. Field,*	Greenfield,	1861	1864	"
Edward Hitchcock,	Amherst,	1863	1879	"
Silas M. Smith,*	Northampton,	1864	1887	Died in office.
Edmund H. Sawyer,*	Easthampton,	1864	1879	" "
Henry L. Sabin,*	Williamstown,	1866	1876	Term expired.
Adams C. Deane,	Greenfield,	1875	-	Still in office.
Henry W. Taft,	Pittsfield,	1876	-	" "
William M. Gaylord,	Northampton,	1879	1883	Term expired.
Lyman D. James,	Williamsburg,	1879	-	Still in office.
Christopher Merritt,	Springfield,	1883	-	" "
Sarah A. Woodworth,	Chicopee,	1884	-	" "
Sarah M. Butler,	Northampton,	1884	-	" "
John L. Otis,	Florence,	1887	-	" "

* Deceased.

34. *Officers and Employees.*

Time employed, Oct. 1, 1887.

NAMES.	Years.	Months.	Days.
Edward B. Nims, M.D., Superintendent,	18	9	16
David G. Hall, M.D., 2d Assistant Physician,	4	3	20
Emily F. Wells, M.D., 3d Assistant Physician,	2	9	—
Walter B. Welton, Clerk,	21	7	16
John Mercier, Farmer,	20	2	—
Danford Morse, Engineer,	22	6	9
Robert H. Gallivan, Supervisor,	14	5	13
Lucy A. Gilbert, Supervisor,	20	7	20
F. Josephus Rice, Steward,	28	11	26
Susan A. Miller, Seamstress,	—	2	17
Nettie Lyman, Laundress,	—	2	7
George B. Walker, Baker,	3	3	22
Gertrude C. Arnold, Assistant Clerk,	3	8	27
Idelle M. Dodge, Assistant Supervisor,	—	5	21
Netta M. Buxton, Assistant Seamstress,	—	3	5
Jennie B. Morse, Assistant Laundress,	—	9	29
Mary Meagher, Assistant Laundress,	1	4	21
Henry W. Esty, Attendant,	5	6	7
William J. Douglass, Attendant,	5	6	5
John L. Howard, Attendant,	5	3	25
James M. Shipperly, Attendant,	2	8	1
William J. Estler, Attendant,	2	1	27
Thomas Lavelle, Attendant,	1	6	23
James E. Gerald, Attendant,	1	5	28
Charles J. Gale, Attendant,	1	3	14
John McCalman, Attendant,	—	6	13
Anson T. Hale, Attendant,	—	5	—
Robert McNaughton, Attendant,	—	2	30
P. B. Prentiss, Attendant,	—	2	—
Maria E. Graves, Attendant,	19	8	9
Jane McGuire, Attendant,	12	5	5
Cecile Riel, Attendant,	10	11	25
Frances F. Poor, Attendant,	8	11	15
Flora R. Brown, Attendant,	4	9	25
Jeanette McLean, Attendant,	4	1	3
Nellie D. Parker, Attendant,	3	6	17
Philomene Goyette, Attendant,	4	6	13
Nellie E. Stearns, Attendant,	2	3	2
Effie Clapp, Attendant,	1	3	17
Elizabeth M. Pomeroy, Attendant,	1	2	5
Lucie L. Barrett, Attendant,	1	—	12
Alice Davis, Attendant,	—	1	10
Jessie A. Rand, Night Watch,	6	3	11
Lena Marble, Farmers' Dining Room,	2	2	7
Hattie Darling, Centre,	—	10	—
Thomas C. Powers, Assistant Steward,	13	6	11
Mary Sweeney, Centre,	3	1	1
Lillian M. Douglass, Cook,	5	11	22
Isabella Andrews, Assistant Cook,	—	3	19

34. *Officers and Employees — Concluded.*

NAME.	Years.	Months.	Days.
Jeanette Loomis, Assistant Cook,	—	1	15
Lillie B. Rhodes, Assistant Cook,	—	1	10
Mary A. Carnes, Rear,	4	3	—
William C. Hall, Assistant Engineer,	22	—	20
Nicholas Riel, Night Engineer,	11	9	25
Moses Bartlett, Watchman,	2	6	—
Sifroi Belville, Carpenter,	17	5	7
Walter Tower, Carpenter,	10	10	—
Alfred Parenteau, Painter,	22	1	18
David Mercier, Coachman,	10	7	14
Benjamin Rockwell, Assistant Farmer,	20	4	—
Julius Freeman, Assistant Farmer,	10	2	24
Henry Wilson, Assistant Farmer,	8	5	8
James Madden, Assistant Farmer,	12	—	29
Eugene Sullivan, Assistant Farmer,	12	5	—
Erie Ditty, Assistant Farmer,	4	9	7
George E. Hunter, Assistant Farmer,	1	5	19
James R. Phillips, Assistant Farmer,	—	4	18
Loren Tower, Car Boy,	2	—	18

