

Thirty-first annual report of the Trustees of the Northampton Lunatic Hospital, for the year ending September 30, 1886.

Contributors

Northampton Lunatic Hospital.
Nims, Edward B.
James, Lyman D.

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THIRTY-FIRST ANNUAL REPORT
OF
THE TRUSTEES
OF THE
NORTHAMPTON LUNATIC HOSPITAL,
FOR THE
YEAR ENDING SEPTEMBER 30, 1886.

BOSTON :
WRIGHT & POTTER PRINTING CO., STATE PRINTERS,
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OFFICERS OF THE NORTHAMPTON LUNATIC HOSPITAL.

TRUSTEES.

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

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EDWARD B. NIMS, M.D.,	SUPERINTENDENT.
DANIEL PICKARD, M.D.,	FIRST ASSISTANT PHYSICIAN.
DAVID G. HALL, M.D.,	SECOND ASSISTANT PHYSICIAN.
EMILY F. WELLS, M.D.,	THIRD ASSISTANT PHYSICIAN.
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JOHN MERCIER,	FARMER.
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TREASURER.

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

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ROBERT H. GALLIVAN,	MALE SUPERVISOR.
LUCY A. GILBERT,	FEMALE SUPERVISOR.
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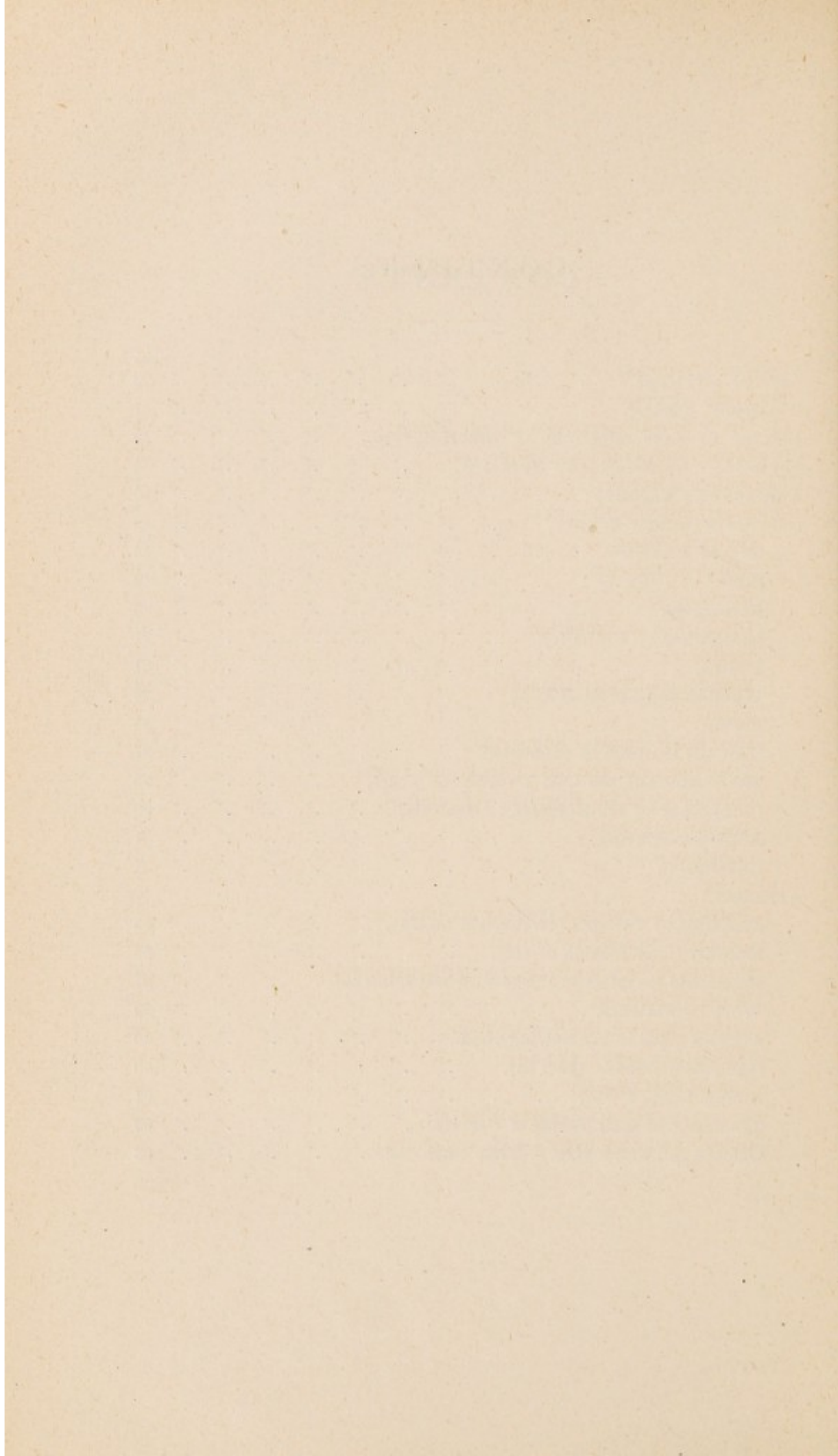


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CONTENTS.

	PAGE
LIST OF OFFICERS,	3
TRUSTEES' REPORT,	7
LIST OF PERSONS EMPLOYED IN THE HOSPITAL,	12
INVENTORY OF STOCK AND SUPPLIES,	14
TREASURER'S REPORT,	15
SUPERINTENDENT'S REPORT,	18
General Statistics,	18
Status of Patients,	19
Recoveries,	20
Discharged on Probation,	21
Deaths,	21
Worship and Entertainment,	23
Farm,	24
How the Hospital is Supported,	27
The Finance of the Last Twenty-one Years,	28
Chronology of the Hospital, — <i>Continued</i> ,	30
Acknowledgments,	31
Conclusion,	31
APPENDIX :	
Statistics of Patients (twenty-six tables),	35
Monthly Consumption of Gas,	56
Household Supplies to the several Departments,	57
Work by Patients,	59
Articles made in the Sewing-room,	60
Upholstery done in the Year,	60
Annual Cost of Gas,	61
Trustees and their Terms of Service,	62
Officers and Employees, — Time employed,	63



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 report for the fiscal year 1885-86.

In reviewing the year which has past we cannot fail to observe the fact which has often been alluded to in the annual reports, that there is a regular and gradual increase in the number of yearly admissions. There is also an increase in the number of acute cases, corresponding more or less accurately with the increase of population in Western Massachusetts. There is a tendency among that large class of patients, who come and go as occasion requires, to fall into a chronic or incurable condition, which makes their residence in the hospital more permanent. The removal of 33 chronic cases to almshouses has afforded some relief to the crowded condition of the hospital. Twelve patients have also been removed by the Board of Lunacy and Charity and placed in families where they are cared for at the same compensation as in the hospitals. It is gratifying to notice that the experiment has been so far successful, though the number of cases suitable for such an arrangement appears to us to be small.

The overcrowded condition of the hospitals in the eastern part of the State made it necessary for the Board of Lunacy and Charity to transfer twenty-five patients from the Danvers Hospital to this, in the course of the year.

The number of patients at the beginning of the year was 476; of men, 235; of women, 241. The number admitted during the year, including those transferred, was 183; of men, 85; of women, 98. Of these, 59 were State patients, 97 town patients and 27 private patients.

The whole number under treatment during the year was 659; of men, 320; of women, 339. There were 168 patients discharged; of men, 76; of women, 92; 14 men and 12 women died. The number at the close of the year was 491; of men, 244; of women, 247. The average daily number of men, was 237.9; of women, 236.5; making a total of 474.4. Of the patients discharged 29 were reported as recovered, 10 much improved, 59 improved, 43 unimproved and 1 not insane.

The largest number on any one day in the year was 494. The smallest number on any one day was 451.

The number of patients who were discharged on probation, under the sixty days law, was 47. Of these 5 were returned before the expiration of the legal time. The remainder are included in the general number of discharges.

The number of deaths is small, being 26.

There is a small decrease from last year's number of recoveries. Some of those who were discharged as much improved and improved were able to go out into the world and resume their former life with success.

For the past fourteen years the hospital has been supplied with water from the city water works. For various reasons the amount of water required for daily use has gradually increased. The supply was brought through a four-inch pipe from the main. Several other parties drew water from the same pipe and although the supply had been hitherto adequate, yet, as a protection against fire, and in case of any sudden demand for water, it was judged best to make some changes. By arrangement with the water commissioners, a six-inch pipe was laid from the main, by way of Washington avenue, about 4,000 feet in length, at an expense of \$1,659.05, to the hospital. A four-inch branch of 400 feet was also laid to the farm buildings and two double hydrants attached. The whole number of hydrants now inside the building is 21. There are six double and four single out-

side. The large fire pump has a connection with 29 of these hydrants.

The farm is regularly increasing in productiveness under the present management. It affords occupation for patients, it gives a large supply of the best qualities of vegetables for the tables and is a source of income that is, to say the least, convenient. The necessity for larger farm buildings has been partially met in the construction of a large piggery, which consists of a main building, 190 feet long and 24 wide, and a cross wing at the south end, 80 feet in length and 20 feet wide. Midway on the front of the main building is a room for slaughtering, 20 feet square. The building is of brick with a slate roof and a concrete floor. On the site of the old piggery, a cattle shed has been erected, 128 feet long and 44 wide. It is built of wood, with a trussed roof; the upper portion is to be used as a hay loft. It has a capacity of about 100 tons. In the lower portion, a room 44 feet by 20 was made for storing farming tools. A silo has been built by taking a room, 24 feet by 20, in the poultry house and sheathing it with wood and paper, at a cost of about \$40; 75 tons of corn ensilage have been stored in it. In the basement of the rotunda of the centre building, a refrigerator, 14 feet by 12, has been put in and found exceedingly useful.

Two brick sewers, respectively 12 and 14 inches in diameter, 333 and 249 feet in length, were laid in the rear of the farm buildings.

The sanitary condition of the hospital has always been an object of special attention and we believe has been in most respects satisfactory. There has been of late years great improvement in sanitary appliances. Accordingly it was judged best to make some changes. Ten of the thirty-two water-closets in the building have been refurnished and supplied with either the McFarland automatic flushing tanks, or automatic siphon tanks; also with special ventilating pipes, extending from the vaults up into the large roof ventilators, thus ensuring an excellent draught.

Among the repairs inside of the buildings the most noticeable are the relaying of several hall floors with southern pine

and the renewal of a portion of the water pipes, which had become nearly useless after many years of service.

The improvements upon the farm have been continued. Several acres of land in the western portion have been underdrained and put in condition for tillage. A new road has been constructed in the grove north of the hospital, and one in the west grove. The latter gives a direct and level thoroughfare to the western portion of the farm. A waste tract of land, about four acres in extent, north of the hospital on Mill River, was enclosed by a fence and made into a convenient pasture for the swine. The western line fence of the Clarke orchard has been replaced by sixty rods of picket fence, after grading. The Day pasture has been cleared of several acres of brush and 200 rods of rail and stone fence constructed. Many other minor improvements have also been made.

The upper two stories of the store-house, which was erected in 1884, still remain unoccupied. In view of the crowded condition of the hospital, a plan is in contemplation of utilizing these rooms for the accommodation of patients. They are well adapted to that purpose. There are about 100,000 cubic feet of space in the two stories and with a moderate outlay they would comfortably accommodate fifty patients.

The earnings of the hospital for the year exceed those of the preceding year. The money received for the board of the different classes of patients is as follows:—

For State patients,	\$23,717 58
town patients,	45,995 65
private patients,	17,330 51
Total,	<u>\$87,043 74</u>

The financial statements for Sept. 30, 1886, is as follows:—

The reserve fund,	\$10,000 00
And cash assets available for future use,	26,610 24
Total,	<u>\$36,610 24</u>
And liabilities (bills payable),	7,903 09
Balance in favor of the hospital,	<u>\$28,707 15</u>

Dr. Earle retired from the office of superintendent at the close of the last fiscal year, after a most successful administration of over twenty-one years. He has continued to reside in the hospital during the year.

Dr. Nims assumed the office of superintendent at the beginning of the year, and his administration of its responsible duties has been in all respects successful and satisfactory to the Trustees.

Dr. Hall, the second assistant physician, was granted a leave of absence for one year, from September 15, to pursue his studies in Europe. Dr. Charles G. Dewey has been appointed as substitute during his absence.

No other changes have occurred during the year in the staff of officers.

A more specific exhibit of the operations of the hospital in its various departments will be found in the reports of the Superintendent and Treasurer and the accompanying tables.

LYMAN D. JAMES,
C. C. MERRITT,
S. M. SMITH,
SARAH M. BUTLER,
SARAH A. WOODWORTH,
A. C. DEANE,
HENRY W. TAFT,

Trustees.

NORTHAMPTON, Oct. 7, 1886.

LIST OF PERSONS

REGULARLY EMPLOYED AT THE NORTHAMPTON LUNATIC HOSPITAL,
SEPT. 30, 1886.

Superintendent and physician,	per year,	\$2,500 00
First assistant physician,	"	1,200 00
Second assistant physician,	"	800 00
Third assistant physician,	"	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,	22 00
Supervisor (male),	"	40 00
Supervisor (female),	"	30 00
Assistant supervisor (female),	"	20 00
Seamstress,	"	20 00
Assistant seamstress,	"	15 00
Laundress,	"	18 00
Assistant laundress,	"	18 00
Assistant laundress,	"	15 00
Baker,	"	40 00
Steward,	"	58 33
Assistant steward,	"	35 00
Attendants (male) (8),	"	30 00
Attendants (male) (3),	"	23 00
Attendants (male) (2),	"	21 00
Attendants (female) (1),	"	20 00
Attendants (female) (12),	"	18 00
Attendants (female) (1),	"	16 00
Attendants (female) (3),	"	14 00
Night-watch (female),	"	18 00
Housework, centre (female),	"	15 00
Housework, centre (female),	"	14 00
Cook (female),	"	18 00

Assistant cook (male)	. . . . .	per month,	\$15 00
Assistant cooks (female) (3),	. . . . .	"	15 00
Farmers' dining room (female),	. . . . .	"	15 00
Housework, rear building (female),	. . . . .	"	10 00
Watchman,	. . . . .	"	30 00
Carpenter,	. . . . .	per day,	2 25
Carpenters (2),	. . . . .	"	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 have 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, 1886.

Live stock on the farm,	\$6,457 00
Produce of the farm on hand,	10,379 10
Carriages and agricultural implements,	3,304 00
Machinery and mechanical fixtures,	8,155 00
Beds and bedding in inmates' department,	12,650 00
Other furniture in inmates' department,	4,450 00
Personal property of State in Superintendent's department,*	9,475 00
Ready-made clothing,	2,485 04
Dry goods,	3,956 57
Provisions and groceries,	3,534 02
Drugs and medicines,	800 00
Fuel,	5,272 61
Library,	1,000 00
Paints and oils,	500 00
Total,	<u>\$72,418 34</u>

* 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, 1886. 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.

Three hundred and sixty-four acres of land,	\$44,000 00
Hospital building,	250,000 00
Farm house, \$2,000; brick house, \$2,000,	4,000 00
Three dwellings (H. Day lot),	1,000 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,	1,200 00
Pump-house,	1,000 00
Cart shed,	500 00
Coal-house,	300 00
Piggery,	3,000 00
Cattle-shed,	1,200 00
Fire-proof for oils and paints,	500 00
Two ice-houses,	600 00
	----- \$331,500 00

PERSONAL ESTATE.

Stock and supplies on hand, as per inventory appended to the Trustees' report,	\$72,418 34
Reserve fund,	10,000 00

RECEIPTS.

Cash on hand Sept. 30, 1885,							\$4,589 55
Received from the State treasurer,							24,791 96
from towns,							47,158 56
from individuals,							18,478 15
from sales,							2,151 39
from interest,							676 51
							<hr/>
							\$97,846 12

PAYMENTS.

1st.	Salaries and labor,						\$28,969 39
2d.	Provisions and supplies, viz:—						
	Meats of all kinds,					\$6,565 75	
	Fish of all kinds,					1,099 60	
	Fruit and vegetables,					1,385 19	
	Flour,					4,008 00	
	Grain and meal for table,					755 92	
	Grain and meal for stock,					2,134 37	
	Tea, coffee and chocolate,					786 37	
	Sugar and molasses,					1,972 43	
	Butter and cheese,					4,020 48	
	Salt and other groceries,					2,217 03	
	All other provisions,					781 97	
							<hr/>
							25,727 11
3d.	Clothing,						4,038 48
4th.	Fuel and lights,						6,560 63
5th.	Medicines and medical supplies,						1,691 18
6th.	Furniture, beds and bedding,						3,744 77
7th.	Transportation and travelling expenses,						372 34
8th.	Ordinary construction and repairs,						3,032 00
9th.	Extraordinary construction and repairs,						13,001 09
10th.	Miscellaneous expenses, including—						
	1. Farm stock,					\$1,264 15	
	2. Farm supplies,					3,294 82	
	3. Water,					1,026 86	
	4. Minor expenses,					1,021 75	
	5. Contingencies,					1,107 34	
							<hr/>
							7,714 92
							<hr/>
Total expenditures,							\$94,851 91

LIABILITIES.

Salaries and wages due Oct. 1, 1886,						\$3,822 56
Miscellaneous bills due,						4,080 53
						<hr/>
						\$7,903 09

Due the institution for board, Oct. 1, 1886,—

from State,	\$6,158 58	
towns,	13,607 18	
individuals,	3,750 27	
interest,	100 00	
treasurer, Sept. 30, 1886,	2,994 21	
	<hr/>	\$26,610 24

SUMMARY.

Total receipts,	\$97,846 12
Total payments,	94,851 91
	<hr/>
Cash on hand Sept. 30, 1886,	2,994 21

Total liabilities,	\$7,903 09
Total debts due the institution,	26,610 24
Total expenditures, including new buildings,	94,851 91

Dividing this sum by 474.4, the average number of patients,

we have the average expenditure per patient, . . . \$199.94

And the average weekly expenditure per patient, . . . 3.845

Deducting from the total expenditures, . . . \$94,851 91

The extraordinary expenses, . . . 13,001 09

We have the current expenses, . . . \$81,850 82

Dividing \$81,850.82 by 474.4, the average number of

patients, we have the average expenditure per patient, . \$172.535

Making the average weekly expenditure per patient, . . 3.318

Deducting from the current cash expenditure, . . . \$81,850 82

The increase of personal assets, . . . 3,302 39

We have the *necessary* cost for the year, . . . \$78,548 43

Dividing \$78,548.43 by 474.4, the average number of pa-

tients, we have, as the annual cost of each patient, . \$165.57

Making the average weekly cost of each patient, . . 3.184

EDWARD B. NIMS,

Treasurer.

NORTHAMPTON, Oct. 7, 1886.

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

A. C. DEANE,
L. D. JAMES.

NORTHAMPTON, Oct. 7, 1886.

SUPERINTENDENT'S REPORT.

To the Trustees of the Northampton Lunatic Hospital.

The Superintendent herewith presents the Thirty-first Annual Report of the Hospital and the Tables of Statistics, giving in detail the operations of the institution for the official year, 1885-86. The history of the year shows the usual round of events, a good degree of prosperity, and about the average record of results. The following table gives a summary of the numerical changes:—

1. General Statistics, 1885-86.

	Males.	Females.	Totals.
Patients in hospital Oct. 1, 1885,	235	241	476
Admitted from the general population,	85	73	158
Transferred from the Danvers Hospital,	—	25	25
Total of admissions within the year,	85	98	183
Whole number of cases within the year,	320	339	659
Discharged within the year,	76	92	168
Viz.: as recovered,	10	19	29
much improved,	8	2	10
improved,	23	36	59
unimproved,	20	23	43
not insane,	1	—	1
Deaths,	14	12	26
Patients remaining Sept. 30, 1886,	244	247	491
Viz.: supported as State patients,	81	61	142*
town patients,	130	152	282
private patients,	33	34	67
Number of different persons within the year,	313	334	647
Persons admitted,	80	96	176
recovered,	10	19	29
Daily average number of patients,	237.9	236.5	474.4

* On the 1st of October, 1886, one man was transferred from State to town charge. Hence the new year will begin with—

State patients,	80 + 61 = 141
Town patients,	131 + 152 = 283

The number of cases under treatment during the year was 659, which is larger by 60 than in the preceding year, and larger by 30 than in any former year. The number of admissions was 183, including 25 patients transferred from the Danvers hospital. The number of patients admitted from the general population is 158, which is larger by 16 than in any preceding year. Among the causes which produced this increase, we may reasonably include the general increase of population in the western part of the state, and the tendency among a large class of recurrent cases to become chronic and incurable.

The average daily population of the hospital is a little less than in the last year. This was caused by the unusual number of removals to various almshouses in the early part of the year, and to the removal of patients by the Board of Lunacy and Charity, for the purpose of boarding out in families. The largest number of patients on any one day was 494; the smallest, 451. Two men and three women were committed twice, and one man three times. Hence the number of *persons* admitted was 176. Of the 183 admissions, 47 had been previously under treatment in the hospital, 28 of these were second admissions, 7 were third admissions, 3 were fourth admissions, 2 were fifth, 3 were sixth, one was the ninth, one the thirteenth, one the fourteenth and one the seventeenth.

Fifteen of those admitted were suffering from acute disease at the time of admission, 17 were suicidal, 8 were in a bruised or maimed condition, 12 were cases of epilepsy, 8 of paresis or general paralysis of the insane, 4 gave evidence of syphilitic diseases and 26 were homicidal.

Of those discharged not recovered, 33 were removed to almshouses, 16 were sent out to board in families, 41 were taken to their homes, 13 removed from the state, one eloped, and one was discharged as not insane.

STATUS OF PATIENTS.

Of the 183 patients admitted, 59 were supported by the State, 97 by cities and towns, and 27 by individuals.

Of the 168 patients who were discharged, including those

who died, 67 were supported by the State, 82 by cities and towns, 19 by individuals.

Of those remaining Sept. 30, 1886, 142 are charged to the State, 282 to cities and towns and 67 are supported by individuals.

Of the whole number of cases treated during the year, 213 were State patients, 359 were town patients and 87 were private patients.

The following table is inserted, showing the weekly average number in each class for two years past; also the relative change in status of the last year as compared with the year previous to the last.

	1884-85.			1885-86.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, . .	82.29	72.15	154.44	80.56	59.67	140.23
Town patients, . .	118.48	143.10	261.58	124.73	145.79	270.52
Private patients, . .	32.62	27.20	59.82	32.44	31.17	63.61

RECOVERIES.

The primary object of the hospital is the cure of patients. When we look at the comparatively small number of those who are regarded as completely recovered, the result hardly appears to be a sufficient compensation for the great amount of labor and expense involved. We must take into account those patients in whom the improvement approaches nearly to recovery, also the larger number whose mental and physical condition is bettered by their residence in the hospital.

Of the 183 patients who were admitted during the year about one-fourth were regarded as curable. The number of recoveries reported for the year is 29. No one was discharged as recovered more than once.

Of the 135 patients who were admitted for the first time during the year, 12 were discharged as recovered. Of the second admissions, 3.

The ratio of recoveries to the number admitted was 15.8 per cent.

The ratio of recoveries to the number of discharges was 17.2 per cent.

The ratio of recoveries to the average daily population was 6 per cent.

The ratio of recoveries to the number discharged, exclusive of deaths, was 20 per cent.

DISCHARGE ON PROBATION.

Forty-one patients have been discharged on trial for sixty days or less. Of these 36 were fully discharged at the end of the sixty days, and 5 were returned before the expiration of the time. One has been recommitted since her discharge.

Of the 41 thus discharged, 2 were removed to almshouses, 12 were boarded out in families, and 27 went to their homes. Of the latter number 23 have remained at home until the present time.

This plan of discharge relieves the Superintendent of difficulties which have stood in the way of the removal of doubtful cases. It also facilitates the removal of cases which would otherwise remain in the hospital, particularly among those patients who have friends who are able and disposed to care for them. The change in associations and surroundings is undoubtedly sometimes beneficial, and the desire to return home becomes an incentive to self-control. Hence such a discharge often becomes a part of the treatment.

DEATHS.

The rate of mortality for the year past has been below the average. The total number of deaths was 26. The larger number, 16, died from the effects of chronic diseases. Of these 7 died of consumption, 3 of general paralysis of the insane, and 2 of paralysis, one of chronic brain disease, one of protracted heart disease, and 2 of epilepsy.

Eight persons died of diseases which were wholly or partly acute in character. One death occurred as a result of erysipelas, one of pneumonia, and one from exhaustion of acute mania, in persons who were much enfeebled by long con-

tinued ill health. One death resulted from pneumonia which was contracted before admission to the hospital, from exposure while in a debauch. The second death from exhaustion of acute mania occurred in a patient who was much debilitated by the excessive use of morphine.

One death followed the operation of litholapaxy. A phosphatic calculus weighing 1,948.54 grains was removed from the bladder. The post mortem examination revealed serious chronic disease which, without doubt, contributed largely to his death.

One woman, who had been for years an invalid, died of malarial fever. Typhomania following puerperal fever was the cause of one death. Two patients, who were respectively 80 and 83 years of age, were reported as dying of old age, there being no other apparent cause.

No suicide occurred during the year; neither was there any epidemic, if we except a few cases of mild malarial attacks.

The rate per cent. of deaths, reckoned on the daily average of population, was 5.48. On the whole number of cases, 3.94 per cent. This is the smallest ratio except one in the history of the hospital. The average per cent. on the daily population for the past ten years is 6.26.

Of the 26 persons who died, 6 were supported by the State, 17 by towns and cities and 3 by individuals. The following table gives a concise statement of the ratios of mortality from the opening of the hospital:—

Deaths and their Ratios from Sept. 30, 1858, to Oct. 1, 1886.

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	18	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

WORSHIP AND ENTERTAINMENT.

The following table exhibits the character of the exercises at the assemblies of patients during the year : —

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, 5 days.

The Bible and selections of poetry, 43 "

The Bible and selections of poetry and prose, 2 "

The Bible and recitations, 2 "

Miscellaneous selections of prose, 77 "

Miscellaneous selections of poetry, 27 "

Miscellaneous selections of prose and poetry, 61 "

Recitations of poetry, 1 "

(b) Lectures :—

Missionary work in India,	1 day.
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(c) Other Entertainments :—

Peak Sisters,	1 "
District school,	1 "
Pictures shown with the stereopticon,	7 "
Concerts,	. . . . .	2 "
Ventriloquism,	1 "

(d) Social Assemblies :—

Quadrille parties,	20 "
No assembly,	62 "

Total,	365 days.
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The exercises were omitted two evenings in a week during the three summer months, on the evenings of days in which official visits were made to the hospital, also seven evenings because the chapel was occupied by the painters.

Religious service has been held regularly on Sabbath afternoons. The average attendance at these services was 279, the smallest 261 and the largest 299. The value of these daily assemblies, when properly conducted, cannot be disputed. They relieve the monotony of hospital life. They are a valuable means of discipline, where a moderate incentive turns the scale in favor of good order and self-respect. They afford mental stimulus to those who are benumbed and inactive. They are, in fact, a valuable means of education to the insane.

FARM.

The season has been generally favorable for the farm. A short drouth in the early summer delayed the growth of some of the crops. The results are, however, good. The amount of the products are larger than ever before.

The farm contains about 364 acres. There are nearly 100 acres that have not been tilled, which can be reclaimed. The increase in the products is partly owing to the improvement of this land and to a higher cultivation of other parts of the farm.

The farm yearly proves itself to be a valuable adjunct to the hospital by affording healthful labor to many able-bodied patients, by furnishing a large amount of fruit and vegetables

of the best quality, and lastly because it is a source of considerable profit. The increase in the hay crop over last year was eighteen tons. The following table gives the yearly amount :—

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 "	

There is also an increase in the product of pork. Fifty-eight hogs were slaughtered, the total weight of which was 21,503 pounds. The heaviest weighed 800 pounds. The average weight was 370 pounds.

It is expected that the new and large piggery which has been constructed in the past year will increase this product still further, and enable us to utilize the waste food of the hospital more completely. The following table gives the amount of the yearly product of pork :—

Pork Raised upon the Farm.

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

* Quantity diminished by disease.

The quantity of milk produced during the year is 26,882 gallons. One-third of this amount is entered in the list of products, as it is judged that the other two-thirds have been charged to the farm in other ways.

About five acres of fodder-corn were planted and have been harvested and put in a silo for use. The ensilage is estimated at seventy-five tons. The ease with which this is produced was the main inducement which led to the experiment.

The amounts of some vegetables given are according to the present estimate, as they are not yet harvested.

The usual purchases of cattle and sheep for slaughtering were made. In this way we can supply the hospital with beef and mutton of good quality at low rates.

List of Products in 1886.

Hay (first growth of home farm), 164 $\frac{7}{8}$ tons, at \$16,	\$2,638 00
Hay (south lot), 31 $\frac{5}{8}$ tons, at \$16,	506 00
Hay (Clarke orchard), 18 $\frac{5}{8}$ tons, at \$16,	300 00
Hay (after-growth of whole farm), 53 $\frac{7}{8}$ tons, at \$16,	862 00
Corn fodder, dry, 27 tons,	162 00
Corn, 540 bushels	243 00
Potatoes, 2,776 bushels,	1,665 60
Broom-seed, 25 bushels,	10 00
Broom-brush, 600 pounds,	60 00
Carrots, 300 bushels,	120 00
Sugar beets, 1,566 bushels,	469 80
Beets, 50 bushels,	25 00
Onions, 250 bushels,	129 60
Turnips, 500 bushels,	200 00
Parsnips, 70 bushels,	42 00
Beans (Lima), in shell, 139 bushels,	208 50
Beans (common), in shell, 38 bushels,	38 00
Beans (string), 22 bushels,	44 00
Beans (Lima), dry, 8 bushels,	24 00
Beans (common), dry, 2 bushels,	3 00
Pease (green), in pod, 95 $\frac{1}{2}$ bushels,	191 00
Sweet corn (green), in ear, 272 bushels,	272 00
Tomatoes, 207 $\frac{1}{2}$ bushels,	207 50
Lettuce, 102 $\frac{1}{2}$ bushels,	102 50
Cucumbers, 110 $\frac{1}{2}$ bushels,	110 50
Squashes (summer), 73 bushels,	73 00
Squashes (winter), 5 $\frac{3}{5}$ tons,	154 50
Melons, 8,713 pounds,	87 13
Asparagus, 22 $\frac{1}{2}$ bushels,	67 50

Pie-plant, 45½ bushels,	\$45 50
Beet greens, 9½ bushels,	9 50
Spinach, 24 bushels,	24 00
Cabbages, 3,100 heads,	155 00
Currants, 23 bushels,	46 00
Apples, 1,442 barrels,	1,658 30
Pears, 43½ bushels,	43 50
Quinces, 8 bushels,	20 00
Grapes, 250 pounds,	10 00
Veal (raised here), 227 pounds,	26 54
Pork, 21,503 pounds,	1,162 15
Pigs, sold, 238,	570 25
Pigs (roasting), 6,	15 00
Turkeys, 75¼ pounds,	16 96
Chickens, 1,068¾ pounds,	215 29
Heads and plucks, 12,	9 80
Eggs, 536½ dozen,	93 90
Milk (grass-fed), 8,960¾ gallons,	2,118 09
Cider, 150 barrels,	225 00
Calfskins, 2,	2 50
Young calves, sold, 17,	48 00
Wood, 68 cords,	170 00
Lumber, 15,000 feet,	180 00
Fence posts, 260,	52 00
Corn husks, 1½ tons,	45 00
Citron, 500 pounds,	5 00
Ensilage, 75 tons,	262 50
	<hr/>
	\$16,245 91

HOW THE HOSPITAL IS SUPPORTED.

The following financial exposition is the same that was published in the annual report for 1884–85, 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 past year were only \$45.

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 statute law. One hundred and forty-two, or more than one-third of the inmates, now belong to this class. During the past year the weekly average of them was 29.56 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 eighty-two of the inmates are now in this class. The weekly average of them for the year was 57.02 per cent. of the whole.

For private patients there is no uniform price. The average pay from all who were here Sept. 30, 1886, was \$5.175 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 \$3.528. Such are the pecuniary resources of the institution. We turn to the results of

THE FINANCE OF THE LAST TWENTY-ONE YEARS.

In April, 1865, the hospital was freed from debt, and 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 \$30,883.92. The State then has, in this way alone, been overpaid for its bonus in the sum of \$25,883.92.

The amount paid by the hospital for repairs and improvements in the course of the last year is \$16,033.09; in the course of the twenty-one years, from Sept. 30, 1865, to Sept. 30, 1886, is \$249,735.53.

The surplus of cash assets now on hand, including the reserve fund, is \$28,707.75, or \$28,405.71 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 \$15,248.24. The estimated value of similar supplies on the 30th of April, 1865, was \$2,500. The increase of assets under this head is, therefore, \$12,748.24.

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,	\$25,883 92
Repairs and improvements,	249,735 53
Excess of present cash assets,	28,405 71
Increase of provisions and supplies,	12,748 24
Increase of furniture,	8,000 00
Total,	<u>\$324,773 40</u>

The necessary current repairs of the building may be estimated at \$3,000 annually. Deducting this sum for each of the twenty-one years since Sept. 30, 1865, a total of \$63,000, there is a remainder of \$261,773.40. To this amount, then, has the hospital assisted itself to things, for most of which it is generally expected that such institutions will rely upon 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 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 three hundred and seventy-five thousand five hundred and fifty dollars (\$375,550).

CHRONOLOGY OF THE HOSPITAL.

[N. B. The years are the calendar years, and not the official years of the hospital.]

- 1885**—*Continued.* A large stone under-drain was laid in the ravine south of the ice-pond, and the ravine filled by grading.
- 1886.** Ten water-closets in the north wing and centre building were remodelled and furnished with new and improved apparatus.
- Seven hall floors of the north wing were relaid.
- A large refrigerator was constructed in the basement of the rotunda.
- Four hundred and fifty feet of four-inch water pipe was laid to supply the farm buildings and hydrants.
- A new brick piggery, two hundred and seventy feet in length, with slaughter-house, was erected.
- The old piggery was removed, and a cow-shed, with a hay-loft over it, 128 feet by 44, was built on the same site.
- Two brick sewers, extending down the bank in the rear of the barns, respectively 333 and 294 feet in length, were built.
- A new road was made through the grove in the Fowle lot, opening a direct route to the western part of the farm.
- One-half of the poultry-house was made into a silo and filled.
- A new poultry-house was made from the shed which stood adjacent to the large barn.

ACKNOWLEDGMENTS.

The hospital is under obligations, to ladies and gentlemen from Northampton, for the play of the "Peak Sisters," and for a representation of the "District School," also to the Banjo Club of Smith College for a concert; to Mr and Miss

Brown for a concert; to Mr. G. W. Leitch for a lecture on missionary work in India, illustrated by the stereopticon; and to Dr. T. W. Meekins for exhibitions of stereoscopic views.

A generous Christmas box was received from Miss Florence Austin, also a quantity of illustrated papers. A supply of magazines from Mrs. S. M. Butler. Many patients received presents from Mrs. Butler and Mrs. Woodworth. A supply of newspapers from S. E. Bridgman, Esq., and from the publishers of the "Christian Register" and the "Staaten Zeitung," for one copy of those papers throughout the year.

CONCLUSION.

At the close of the year we look back to observe what changes have occurred. The most noticeable was the retirement of Dr. Earle from the office of Superintendent at the beginning of the year. He was elected to the position July 2, 1864, and was therefore at the head of the institution for twenty-one years and three months. Only those who were associated with him can have an adequate idea of the vast amount of labor which was required to bring the institution up to its present standard. By strict economy and careful management he placed and kept the hospital upon a sound financial basis. He instituted and maintained order and thorough discipline in all departments. His methods and example furnish a valuable precedent for all who may follow him.

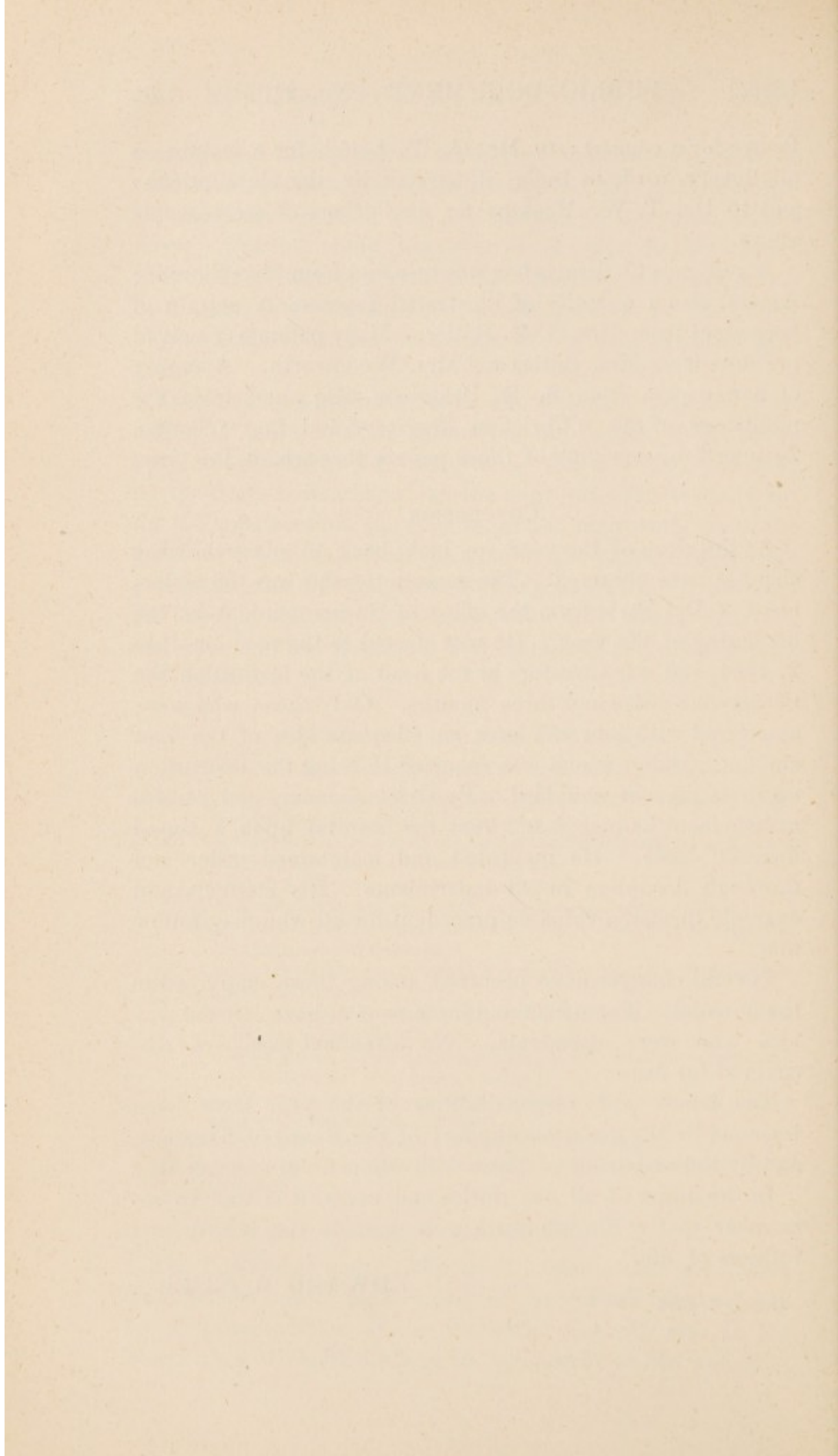
Several changes have occurred among those employed in the hospital. Three men and three women have left the service who were attendants. No attendant has been discharged for cause.

The labors and responsibilities of the year have been lessened by the generous support of the Board of Trustees, and by the assistance of those with whom I am associated.

In the midst of all our duties and cares, it is well to remember that "Sincere work well done is the beauty and fullness of life."

EDWARD B. NIMS.

October 7, 1886.



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.
1885.									
October, . . .	5	10	15	7	5	12	235.74	244.94	480.68
November, . . .	5	5	10	4	20	24	231.36	236.07	467.43
December, . . .	7	6	13	7	8	15	234.52	233.22	467.74
1886.									
January, . . .	4	6	10	4	8	12	234.1	228.35	462.45
February, . . .	4	2	6	2	10	12	234.71	218.89	453.6
March, . . .	7	24	31	3	5	8	237.26	228.09	465.35
April, . . .	11	5	16	11	10	21	238.07	238.23	476.3
May, . . .	12	5	17	6	5	11	241.55	234.	475.55
June, . . .	8	14	22	13	4	17	241.53	235.7	477.23
July, . . .	9	6	15	7	3	10	241.22	244.42	485.64
August, . . .	5	9	14	6	8	14	241.64	247.23	488.87
September, . . .	8	6	14	6	6	12	242.9	247.56	490.46
Total of cases, . . .	85	98	183	76	92	168	-	-	-
Total of persons, . . .	80	96	176	73	92	165	-	-	-
Daily average for the year, . . .	-	-	-	-	-	-	237.9	236.5	†† 474.4

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

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

‡ One man admitted, and one man discharged, as *not insane*, are not included in the following tables.

3. Received on First and Subsequent Admissions.

NUMBER OF THE ADMISSION.	CASES ADMITTED.			TIMES PREVIOUSLY RECOVERED.		
	Males.	Females.	Total.	Males.	Females.	Total.
First,	62	73	135	-	-	-
Second,	13	15	28	3	8	11
Third,	2	5	7	1	1	2
Fourth,	2	1	3	3	-	3
Fifth,	1	1	2	-	4	4
Sixth,	2	1	3	6	-	6
Ninth,	-	1	1	-	7	7
Thirteenth,*	1	-	1	-	-	-
Fourteenth,*	1	-	1	4	-	4
Seventeenth,	-	1	1	-	11	11
Total of cases,	84	98	182	17	31	48
Total of persons,	79	96	175	7	13	20

* The thirteenth and fourteenth admissions were of the same *person*. Hence his previous recoveries are inserted only after the last admission.

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

AGES.	AT FIRST ATTACK OF INSANITY.			WHEN ADMITTED		
	Males.	Females.	Total.	Males.	Females.	Total.
Congenital,	—	2	2	—	—	—
Fifteen years and less,	2	2	4	—	—	—
From 15 to 20 years,	3	4	7	3	5	8
20 to 25 years,	12	8	20	12	3	15
25 to 30 years,	8	9	17	8	8	16
30 to 35 years,	6	6	12	9	11	20
35 to 40 years,	8	4	12	9	6	15
40 to 50 years,	8	11	19	11	17	28
50 to 60 years,	4	9	13	6	13	19
60 to 70 years,	2	5	7	2	4	6
70 to 80 years,	1	2	3	2	5	7
Over 80 years,	—	—	—	—	1	1
Unknown,	8	11	19	—	—	—
Total of persons,	62	73	135	62	73	135

5. *Parentage of Persons Admitted.*

PLACES OF NATIVITY.	MALES.		FEMALES.		TOTALS.	
	Father.	Mother.	Father.	Mother.	Father.	Mother.
Maine,	1	1	—	1	1	2
New Hampshire,	—	—	2	2	2	2
Vermont,	4	2	1	4	5	6
Massachusetts,	20	23	20	18	40	41
Rhode Island,	—	—	—	1	—	1
Connecticut,	5	4	7	4	12	8
New York,	5	6	3	3	8	9
Pennsylvania,	—	—	—	1	—	1
Virginia,	—	1	—	—	—	1
South Carolina,	—	1	—	—	—	1
Canada,	4	4	1	1	5	5
Cape Breton Island,	1	1	—	—	1	1
England,	—	—	3	3	3	3
Scotland,	2	2	2	2	4	4
Ireland,	28	26	38	37	66	63
Wales,	1	—	—	—	1	—
France,	1	1	—	—	1	1
Germany,	4	4	4	4	8	8
Italy,	1	1	—	—	1	1
Sweden,	—	—	3	3	3	3
Unknown,	2	2	12	12	14	14
Total of persons,	79	79	96	96	175	175

6. *Residence of Persons Admitted.*

PLACES.	Males.	Females.	Totals.
Hampshire Connty,	15	13	28
Hampden County,	35	35	70
Berkshire County,	17	10	27
Franklin County,	10	11	21
Worcester County,	1	1	2
Suffolk County,	1	11	12
Norfolk County,	—	1	1
Middlesex County,	—	9	9
Essex County,	—	5	5
Total of persons,	79	96	175
Cities or large towns,*	43	58	101
Country districts,	36	38	74
Total of persons,	79	96	175

* Containing not less than 10,000 inhabitants.

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,	40	28	68	19	29	48	3	15	18	—	1	1
Second,	9	8	17	1	5	6	1	1	2	—	—	—
Third,	—	2	2	1	2	3	—	—	—	—	—	—
Fourth,	—	—	—	1	—	1	1	1	2	—	—	—
Fifth,	—	1	1	—	—	—	—	—	—	—	—	—
Sixth,	—	—	—	2	1	3	—	—	—	—	—	—
Ninth,	—	—	—	—	—	—	—	1	1	—	—	—
Fourteenth,	1	—	1	—	—	—	—	—	—	—	—	—
Seventeenth,	—	1	1	—	—	—	—	—	—	—	—	—
Total of persons,	50	40	90	24	37	61	5	18	23	—	1	1

8. *Occupation of Persons Admitted.*

OCCUPATIONS.	Males.	OCCUPATIONS.	Females.
Armorer,	1	Box maker,	1
Baker,	2	Carpenter's daughter,	1
Brass moulder,	1	Domestic,	12
Box maker,	1	Farmer's wife,	2
Carpenter,	2	Hotel clerk's wife,	1
Coffin maker,	1	Housekeeper,	19
Cigar maker,	1	Insurance agent's wife,	1
Farmer,	13	Laborer's wife,	8
Insurance clerk,	1	Laundress,	1
Iron moulder,	1	Lace worker,	1
Laborer,	24	Mechanic's wife,	1
Manufacturer,	1	Mill operative's wife,	2
Mechanic,	3	Mill operative,	10
Machinist,	2	Nurse,	1
Marketman,	1	No occupation,	16
Musician,	1	Paper maker's wife,	1
Mill operative,	2	Railroad conductor's wife,	1
No occupation,	5	Seamstress,	4
Paper maker,	3	Shoe stretcher,	1
Polisher,	1	Shoemaker's wife,	1
Peddler,	1	Slater's wife,	1
Student,	2	Tailoress,	1
Shoemaker,	1	Unknown,	5
Stonecutter,	2	Worsted worker,	1
Spinner,	1	Weaver,	2
Tinsmith,	1		
Wire maker,	1	Total of <i>persons</i> ,	96
Weaver,	3		
Total of <i>persons</i> ,	79		

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

PREVIOUS DURATION.	FIRST ADMISSION TO THIS HOSPITAL.			ALL OTHER ADMISSIONS.*			TOTALS.		
	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.	Ma.	Fe.	Tot.
Congenital,	—	2	2	—	—	—	—	2	2
Under 1 month,	17	3	20	—	—	—	17	3	20
From 1 to 3 months,	9	7	16	—	—	—	9	7	16
3 to 6 months,	2	5	7	—	—	—	2	5	7
6 to 12 months,	6	2	8	1	1	2	7	3	10
1 to 2 years,	7	9	16	3	—	3	10	9	19
2 to 5 years,	5	18	23	2	9	11	7	27	34
5 to 10 years,	5	10	15	3	4	7	8	14	22
10 to 20 years,	2	5	7	5	5	10	7	10	17
Over 20 years,	2	1	3	2	5	7	4	6	10
Unknown,	7	11	18	6	1	7	13	12	25
Total of cases,	62	73	135	22	25	47	84	98	182
of persons,	62	73	135	17	23	40	79	96	175
Average of known cases,	Year 2 $\frac{2}{5}$	Year 31 $\frac{3}{16}$	Year 3 $\frac{2}{23}$	Year 9 $\frac{17}{32}$	Year 10 $\frac{9}{16}$	Year 10 $\frac{5}{32}$	Year 4 $\frac{2}{94}$	Year 5 $\frac{31}{42}$	Year 4 $\frac{21}{81}$

* In this division of the table the whole period of time, from the first attack to the last admission, is indicated. Two patients have been admitted for the first and second time within the year, and hence are reckoned in each division. Three other patients were admitted twice, and each admission is reckoned in the second division. The congenitals are not included.

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

FORM OF DISEASE.	Males.	Females.	Totals.
Epilepsy acquired,	7	4	11
General paralysis of the insane,	4	—	4
Mania, acute,	36	17	53
chronic,	14	27	41
recurrent,	4	6	10
a potu,	6	1	7
puerperal,	—	5	5
senile,	1	—	1
Melancholia, acute,	5	11	16
chronic,	—	4	4
recurrent,	1	—	1
puerperal,	—	1	1
Dementia, primary,	5	12	17
secondary,	1	5	6
senile,	—	4	4
Inebriate,	—	1	1
Total of cases,	84	98	182
of persons,	79	96	175

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

CAUSES.	Males.	Females.	Totals.
<i>Physical.</i>			
Ill-health,	3	16	19
Epilepsy,	7	5	12
Intemperance,	20	2	22
Overwork,	8	6	14
Overwork and ill-health,	—	1	1
Change of life,	—	2	2
Change of life and ill-health,	—	2	2
Old age,	—	2	2
Old age and sunstroke,	—	1	1
Heredity,	2	1	3
Masturbation,	6	1	7
Injury,	3	1	4
Morphine,	1	1	2
Puerperal,	—	6	6
Syphilis,	1	—	1
Hysteria,	—	1	1
Paresis,	5	—	5
Paralysis,	—	2	2
Congenital,	1	3	4
Total of physical,	57	53	110
<i>Mental.</i>			
Trouble,	2	2	4
Business trouble,	2	2	4
Domestic trouble,	2	1	3
Loss of friends,	—	2	2
Mental shock,	—	1	1
Religious excitement,	1	1	2
Total of mental,	7	9	16
Total of physical,	57	53	110
Unknown,	15	34	49
Total of persons,	79	96	175

12. *Relation to Hospitals of Persons Admitted.*

HOSPITAL RELATIONS.	Males.	Females.	Totals.
Never before in any hospital,	59	40	99
Former inmates of this hospital,	18	22	40
Former inmates of other hospitals in this State,	—	26	26
Former inmates of hospitals in other States,	1	4	5
Former inmates of this hospital and of hospitals in other States,	—	1	1
Former inmates of other hospitals in this State, and of hospitals in other States, .	—	1	1
Former inmates of foreign hospitals, . . .	—	1	1
Former inmates of this hospital and of foreign hospitals,	—	1	1
Former inmate of hospital in Montreal, .	1	—	1
Total of persons,	79	96	175

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,	8	13	21	6	1	7	17	26	43	14	16	30	11	12	23	56	68	124
Second,	1	4	5	-	-	-	5	5	10	5	5	10	2	-	2	13	14	27
Third,	-	1	1	1	-	1	-	2	2	1	-	1	1	-	1	3	3	6
Fourth,	1	1	2	-	-	-	-	1	1	-	1	1	-	-	-	1	3	4
Fifth,	-	-	-	1	-	1	-	2	2	-	-	-	-	-	-	1	2	3
Sixth,	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	1	1
Thirteenth,	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	1	-	1
Sixteenth,	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Total of cases,	10	19	29	8	2	10	23	36	59	20	23	43	14	12	26	75	92	167
Total of persons,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72	92	164

14. *How Supported.*

SUPPORTED AS—	PATIENTS ADMITTED.			WEEKLY AVERAGE OF THE YEAR.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
State patients, . . .	34	25	59	80.56	59.67	140.23
Town patients, . . .	42	55	97	124.73	145.79	270.52
Private patients, . .	9	18	27	32.44	31.17	63.61
Total of cases, . . .	85	98	183	237.73	236.63	474.36*

* This weekly average is 4.100 less than the daily average 474.4.

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	5	11	2	2	4	—	—	—
From 1 to 3 months, .	3	3	6	6	3	9	5	2	7
3 to 6 months, . . .	1	2	3	1	6	7	4	3	7
6 to 12 months, . . .	—	2	2	1	5	6	—	4	4
1 to 2 years,	—	3	3	—	2	2	1	5	6
2 to 5 years,	—	2	2	—	1	1	—	3	3
5 to 10 years,	—	—	—	—	—	—	—	—	—
10 to 20 years, . . .	—	1	1	—	—	—	—	1	1
Over 20 years,	—	—	—	—	—	—	—	—	—
Unknown,	—	1	1	—	—	—	—	1	1
Total of cases, . . .	10	19	29	10	19	29	10	19	29
Total of persons, . .	10	19	29	10	19	29	10	19	29
Average of known cases (in months),	1 $\frac{4}{25}$	15 $\frac{1}{9}$	10 $\frac{1}{4}$	2 $\frac{3}{10}$	7 $\frac{1}{36}$	5 $\frac{2}{29}$	3 $\frac{3}{4}$	21 $\frac{3}{4}$	15 $\frac{7}{14}$

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	2	2	4	1	—	1
From 1 to 3 months,	1	2	3	1	—	1	1	2	3
3 to 6 months,	2	2	4	2	1	3	1	—	1
6 to 12 months,	—	1	1	1	1	2	1	—	1
1 to 2 years,	2	2	4	2	1	3	1	—	1
2 to 5 years,	2	3	5	—	2	2	2	2	4
5 to 10 years,	1	1	2	4	4	8	1	4	5
10 to 20 years,	1	1	2	1	—	1	1	3	4
Over 20 years,	—	—	—	1	1	2	2	1	3
Unknown,	3	—	3	—	—	—	3	—	3
Totals,	14	12	26	14	12	26	14	12	26
Average of known cases (in months),	35 $\frac{7}{8}$	31 $\frac{3}{8}$	33 $\frac{6}{8}$	64 $\frac{13}{14}$	66 $\frac{5}{24}$	65 $\frac{19}{28}$	100 $\frac{1}{2}$	97 $\frac{1}{8}$	99 $\frac{3}{8}$

17. Cases Discharged by Recovery or Death.

FORM OF INSANITY.	RECOVERIES.			DEATHS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.
Epilepsy acquired,	—	—	—	2	—	2
General paralysis of the in- sane,	—	—	—	2	—	2
Mania, acute,	5	8	13	2	—	2
chronic,	—	—	—	5	6	11
recurrent,	—	6	6	1	—	1
a potu,	2	—	2	1	—	1
puerperal,	—	1	1	—	1	1
Melancholia, acute,	2	3	5	—	1	1
recurrent,	1	—	1	—	—	—
Dementia, primary,	—	—	—	1	3	4
senile,	—	—	—	—	1	1
Inebriate,	—	1	1	—	—	—
Totals,	10	19	29	14	12	26

18. *Causes of Death.*

CAUSES.	Males.	Females.	Totals.
Nervous system, —			
Organic disease of the brain, . . .	—	1	1
Exhaustion of acute mania, . . .	1	—	1
Exhaustion,	—	1	1
Typhomania,	—	1	1
General paralysis of the insane, . .	2	1	3
Paralysis,	1	1	2
Epilepsy,	2	—	2
Exhaustion from litholapaxy, . .	1	—	1
Respiratory, —			
Phthisis,	3	4	7
Pneumonia,	2	—	2
Circulatory, —			
Heart disease,	—	1	1
Zymotic, —			
Malarial fever,	—	1	1
Erysipelas,	1	—	1
General, —			
Old age,	1	1	2
Totals,	14	12	26

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	2	-	2
Third, . . .	1	-	1	-	-	-	-	-	-	-	-	-	1	-	1
Totals, . . .	1	-	1	-	-	-	1	-	1	1	-	1	3	-	3

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, . . .	1	3	4	-	1	1	-	-	-	-	-	-	1	4	5
Third, . . .	-	1	1	-	-	-	-	-	-	-	-	-	-	1	1
Fourth, . . .	1	1	2	-	-	-	-	-	-	-	-	-	1	1	2
Total, . . .	2	5	7	-	1	1	-	-	-	-	-	-	2	6	8

* 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	4
From 1 to 3 months,	1	1	2	—	—	—
3 to 6 months,	1	—	1	2	1	3
6 to 12 months,	1	—	1	2	—	2
1 to 2 years,	1	—	1	2	1	3
2 to 5 years,	2	1	3	—	2	2
5 to 10 years,	—	3	3	3	4	7
10 to 20 years,	1	3	4	2	1	3
Over 20 years,	3	2	5	1	1	2
Unknown,	4	2	6	—	—	—
Totals,	14	12	26	14	12	26
Average of known cases (in months),	119 $\frac{17}{20}$	182 $\frac{2}{3}$	151 $\frac{1}{3}$	69 $\frac{9}{28}$	69 $\frac{2}{3}$	69 $\frac{1}{2}$

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,	3	1	4	—	—	—
20 to 25 years,	—	—	—	—	—	—
25 to 30 years,	1	1	2	1	1	2
30 to 35 years,	1	1	2	2	—	2
35 to 40 years,	1	—	1	1	1	2
40 to 50 years,	1	3	4	2	—	2
50 to 60 years,	4	1	5	5	6	11
60 to 70 years,	—	1	1	2	—	2
70 to 80 years,	—	1	1	1	1	2
Over 80 years,	—	—	—	—	2	2
Unknown,	3	3	6	—	1	1
Totals,	14	12	26	14	12	26

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, 1886.*

YEARS.	NEW CASES (FIRST ADMISSION).																		
	ADMITTED.			DISCHARGED AND DIED IN 1885-86.															
	Males.	Females.	Total.	RECOVERED.			MUCH IMPROVED.			IMPROVED.			UNIMPROVED.			DIED.			
				Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	
1858, 2 months, .	99	129	228	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1858-59, .	42	46	88	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1859-60, .	66	91	157	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1860-61, .	58	46	104	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1861-62, .	51	43	94	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1862-63, .	56	57	113	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1863-64, .	35	30	65	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1864-65, .	54	55	109	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1865-66, .	66	52	118	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1866-67, .	42	69	111	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1867-68, .	54	71	125	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1868-69, .	72	64	136	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1869-70, .	80	103	183	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1870-71, .	93	88	181	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1871-72, .	83	85	168	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
1872-73, .	89	69	158	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1

[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.
ADMITTED.	Males, .	99	45	73	70	64	69	48	75	61	68	84	90	109	101	102	105	75	76	68	40	63	59	57	62	78	61	66	85
	Females, .	129	48	94	52	48	68	45	61	77	84	85	112	102	98	79	88	78	77	71	36	43	58	66	62	69	75	70	98
	Total, .	228	93	167	122	112	137	93	136	138	152	169	202	211	199	181	193	153	153	139	76	106	117	123	124	147	136	136	183
Recovered.	Males, .	-	18	-	-	19	-	30	17	15	22	19	23	16	25	19	25	16	19	15	7	13	16	7	13	11	9	17	10
	Females, .	-	15	-	-	15	-	18	9	19	17	18	27	27	15	29	12	13	13	18	19	13	12	13	15	17	16	12	19
	Total, .	-	33	33	35	34	28	48	24	41	36	49	50	43	40	48	37	29	32	33	26	26	28	20	28	28	25	29	29
Much Improved.	Males, .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	6	4	9	6	4	8
	Females, .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	7	9	-	11	5	2
	Total, .	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	13	13	9	17	9	10
Improved.	Males, .	4	9	-	-	25	-	20	14	13	18	23	15	23	33	37	24	21	18	8	17	15	11	15	7	18	16	12	23
	Females, .	-	9	-	-	15	-	18	7	15	28	28	43	41	27	22	19	24	31	13	27	13	12	15	14	15	19	17	36
	Total, .	4	18	18	26	40	25	38	27	33	48	51	58	64	60	59	43	45	49	21	44	28	23	30	21	33	35	29	59
Unimproved	Males, .	2	6	-	-	9	-	4	8	5	5	9	22	31	22	23	27	17	24	15	16	11	9	6	14	21	16	10	20
	Females, .	2	4	-	-	4	-	5	3	4	8	43	34	30	27	29	18	21	23	17	13	3	10	10	13	14	20	16	23
	Total, .	4	10	4	10	13	7	9	15	9	17	63	56	61	49	52	45	38	47	32	29	14	19	16	27	35	36	26	43

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	343.25
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	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

27. *Monthly Consumption of Gas.*

MONTHS.	Cubic Feet.	Daily Average.
1885.		
October,	39,550	1,275.8
November,	45,900	1,530.
December,	51,650	1,666.13
1886.		
January,	50,500	1,629.03
February,	40,000	1,428.93
March,	36,700	1,183.87
April,	27,000	903.33
May,	19,800	638.71
June,	15,960	532.
July,	14,600	470.97
August,	19,900	641.94
September,	27,800	926.67
Total,	389,460	1,067.01*

* Daily average for the year.

28. Supplies for the Several Departments for the Year 1885-86.

	Sheets.	Pillow-cases.	Bed-spreads.	Blankets.	Rubber sheets.	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.
<i>Men's Department.</i>																											
Upper 1st Hall, . . .	12	6	4	—	—	3	—	12	4	1	2	—	—	—	—	10	9	24	30	18	—	—	3	2	—	3	—
2d Hall, . . .	18	12	6	4	—	1	—	6	—	2	—	9	2	—	—	4	7	6	36	12	—	—	12	1	—	2	—
3d and 4th Halls, . . .	18	44	6	—	—	4	—	6	—	1	—	17	1	—	—	1	24	12	42	2	—	—	9	4	—	4	—
Middle 1st Hall, . . .	16	46	—	6	—	7	—	4	3	2	—	13	—	2	3	2	12	18	24	—	—	—	5	2	—	2	—
2d Hall, . . .	34	28	—	12	—	1	—	—	—	—	—	14	—	1	3	4	30	6	18	—	—	—	2	—	—	3	—
3d and 4th Halls, . . .	48	36	—	12	4	2	—	6	6	—	—	21	—	2	—	—	6	—	12	—	—	—	2	3	—	—	—
Lower 1st Hall, . . .	24	36	—	—	—	—	—	4	—	—	—	8	—	1	2	—	18	—	—	—	—	—	3	1	—	—	—
2d Hall, . . .	38	36	—	—	—	—	—	4	2	—	—	17	—	1	—	—	6	3	—	—	—	—	1	—	—	—	—
3d and 4th Halls, . . .	24	28	—	12	2	2	4	6	2	1	—	12	—	1	2	—	3	3	—	—	—	—	2	—	—	—	—
<i>Women's Department.</i>																											
Upper 1st Hall, . . .	12	28	6	6	—	12	2	36	6	4	3	12	—	—	—	—	12	—	—	—	12	—	—	1	—	—	—
2d Hall, . . .	12	24	6	—	8	14	2	22	6	1	—	12	2	—	13	6	18	30	30	—	—	—	2	—	—	3	—
3d Hall, . . .	12	36	—	6	8	7	—	12	2	—	—	9	—	1	10	3	—	—	—	—	—	—	6	—	—	4	—
4th Hall, . . .	—	12	6	6	—	—	2	16	—	1	—	6	—	—	7	4	18	42	—	—	—	—	—	—	—	—	—
Middle 1st Hall, . . .	46	48	—	6	7	—	6	16	4	3	3	—	—	—	—	6	6	6	—	—	—	—	—	—	—	—	—
2d Hall, . . .	60	54	18	—	14	1	4	24	—	—	1	18	—	2	39	12	24	18	60	—	—	—	18	—	—	—	—
3d Hall, . . .	60	30	—	6	10	1	1	12	3	—	—	18	—	1	23	—	18	6	12	—	—	—	—	—	—	—	—
4th Hall, . . .	12	31	—	—	8	1	1	12	5	—	—	12	—	1	9	—	12	12	—	—	—	—	—	—	—	—	—
Lower 1st Hall, . . .	24	24	12	1	—	—	—	40	4	—	3	12	—	—	27	9	—	12	12	—	—	—	2	1	—	3	—
2d Hall, . . .	64	40	2	12	12	—	—	36	6	—	—	15	—	—	25	—	—	—	—	—	—	—	6	—	—	—	—
3d Hall, . . .	36	—	—	—	4	4	—	12	4	1	—	12	—	—	8	—	6	—	—	—	—	—	—	—	—	—	—
4th Hall, . . .	12	12	—	—	1	3	—	4	1	—	—	—	—	—	1	—	—	36	84	—	—	—	—	—	20	—	—
Kitchen, . . .	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	276	—	—	—	—	—	—	—	—	—	—
Rear, . . .	15	27	—	—	—	—	—	24	—	—	—	—	—	—	—	5	—	—	—	—	—	—	—	—	—	—	—
Centre, . . .	14	6	5	—	—	—	—	28	2	—	—	—	—	—	3	—	—	—	—	—	—	—	—	—	—	—	—
Aggregate, . . .	611	644	71	89	78	63	27	346	64	19	15	243	8	14	208	66	505	222	420	212	108	124	31	1	31	36	8

28. Supplies for the Several Departments for the Year 1885-86 — 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.	Pails.	Spittoons.	Blacking.	Shoe-brushes.	Spools thread.	Papers Needles.	Papers Pins.	Rubber Chambers.
<i>Men's Department.</i>																									
Upper 1st Hall,	6	1	1	12	1	1	12	12	6	1	13	36	6	1	2	1	1	2	1	1	9	1	3	1	1
2d Hall,	—	—	—	12	—	—	12	12	6	—	17	50	—	—	—	—	—	—	—	—	7	1	—	—	2
3d and 4th Halls,	6	4	—	17	—	—	18	24	6	1	17	68	3	1	3	1	3	1	3	11	1	—	—	1	—
Middle 1st Hall,	—	—	—	17	—	—	17	24	30	—	16	44	3	1	1	1	1	1	2	10	2	—	—	—	—
2d Hall,	—	—	—	18	—	—	18	24	30	—	26	70	2	1	2	1	2	2	2	20	3	—	—	—	—
3d and 4th Halls,	—	—	—	—	—	—	—	—	—	—	37	48	1	1	1	1	2	2	1	16	2	—	—	—	10
Lower 1st Hall,	—	—	—	—	—	—	—	—	6	1	11	30	2	3	1	—	4	4	9	8	1	—	—	—	—
2d Hall,	6	1	—	—	6	—	—	24	24	2	21	64	2	3	1	—	4	6	7	17	2	—	—	—	—
3d and 4th Halls,	—	—	—	—	—	—	6	24	12	1	25	100	2	1	—	—	3	7	—	21	2	—	—	—	—
<i>Women's Department.</i>																									
Upper 1st Hall,	6	3	2	—	—	—	6	6	—	—	5	42	3	1	—	—	1	2	1	—	—	1	—	2	—
2d Hall,	—	—	—	—	6	—	—	18	—	—	23	56	—	2	—	—	1	2	2	—	—	10	—	7	—
3d Hall,	12	—	—	—	6	12	36	12	6	1	14	44	1	1	—	—	4	4	—	—	—	12	—	9	—
4th Hall,	—	—	—	—	—	—	—	—	—	—	12	52	1	1	1	1	4	—	—	—	—	16	—	11	—
Middle 1st Hall,	12	3	2	—	6	18	42	12	—	2	7	46	1	1	1	1	3	—	3	—	—	9	—	5	—
2d Hall,	—	—	—	—	—	—	12	12	—	1	20	82	—	1	—	—	1	1	1	—	—	39	—	14	—
3d Hall,	—	—	—	—	—	—	12	12	—	1	13	62	—	1	—	—	1	2	2	—	—	24	—	8	—
4th Hall,	—	—	—	—	—	—	—	12	—	—	8	50	—	2	—	—	2	2	2	—	—	13	—	2	—
Lower 1st Hall,	—	—	—	—	—	3	12	—	—	—	22	68	—	3	—	—	2	2	2	—	—	14	—	6	—
2d Hall,	—	—	—	—	—	6	—	—	—	—	32	94	—	4	—	—	2	2	2	—	—	37	—	9	—
3d Hall,	—	—	—	—	—	—	—	—	—	—	7	50	—	2	—	—	2	2	—	—	—	35	—	2	—
4th Hall,	—	—	—	—	—	—	—	—	—	—	5	18	—	1	—	—	2	—	—	—	—	16	—	—	—
Kitchen,	—	—	—	—	—	—	—	10	—	2	61	55	—	1	4	—	2	—	10	—	—	—	—	—	—
Rear,	—	—	—	—	36	—	—	—	—	—	88	160	6	4	1	—	2	2	4	—	—	—	—	—	—
Centre,	—	—	—	—	—	—	—	18	6	—	5	78	3	1	2	3	2	—	—	2	—	—	—	—	—
Aggregate,	54	12	18	12	72	57	203	262	165	12	505	1,467	31	44	16	13	46	54	9	123	15	237	38	108	20

29. *Days' Work by Patients.*

MONTHS.	FARM.	KITCHEN.			SEWING-ROOM.	LAUNDRY.		
	Men.	Men.	Women.	Totals.	Women.	Men.	Women.	Totals.
1885.								
October, .	847	155	233	388	250	54	342	396
November, .	679	150	218	368	203	50	325	375
December, .	567	155	238	393	356	54	385	439
1886.								
January, .	530	155	201	356	271	52	352	404
February, .	446	140	187	327	205	48	309	357
March, .	492	155	193	348	255	54	345	399
April, .	767	150	185	335	252	49	318	367
May, .	758	155	199	354	259	41	349	390
June, .	838	150	192	342	209	52	358	410
July, .	847	155	215	370	242	54	349	403
August, .	864	155	187	342	269	52	345	397
September, .	869	150	175	325	250	52	352	404
Totals, .	8,502	1,825	2,423	4,248	3,021	612	4,129	4,741

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 20,512, to which may be added 810 days, by men, in the mattress room, making an aggregate of 21,322 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 is done, both in the halls and, at irregular times, out of them.

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

Dresses,	301	Bolster-cases,	54
Waists,	10	Mattress-ticks,	44
Chemises,	306	Straw-ticks,	8
Drawers,	57	Pillow-ticks,	52
Skirts,	185	Bed-spreads hemmed,	71
Sacques,	11	Curtains,	59
Night-dresses,	23	Napkins hemmed,	24
Hats trimmed,	12	Table-cloths,	8
Shirts,	301	Dish-towels,	388
Blouses,	10	Roller-towels,	247
Suspenders, pairs,	240	Carpets made,	6
Collars,	196	Carpets-strips hemmed,	60
Aprons,	197	Clothes-bags,	8
Camisoles,	30	Bureau covers,	72
Sheets,	724	Ox-blankets,	4
Pillow-cases,	599	Articles repaired,	21,471

31. Upholstery done in the Year.

Hair mattresses made, new materials,	35
Hair mattresses made, new ticks,	20
Hair mattresses overhauled, hair repicked,	42
New husk underbeds made, new materials,	15
Old underbed ticks filled with new husks,	74
Hair pillows made, new materials,	28
Hair pillows overhauled, hair repicked,	48

32. *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,	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

The hospital has always been supplied with gas by the Northampton Gas Light Company. Until April 1, 1879, the price was \$3.25 per thousand cubic feet, with an additional charge for meter rent. From that date to July 1, 1884, it was \$3, including meter-rent, with a discount of five per cent. during the last four years of the period. From July 1, 1884, to April 1, 1886, it was \$2.50, with a discount of five per cent.; and since the date last mentioned it has been \$2.25, with ten per cent. discount.

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 Laffin,* .	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	-	Still 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	-	" "
William M. Gaylord,	Northampton, .	1879	1883	Term expired.
Lyman D. James, .	Williamsburg, .	1879	-	Still in office.
Christop'r C. Merritt,	Springfield, .	1883	-	" "
Sarah A. Woodworth,	Chicopee, . .	1884	-	" "
Sarah M. Butler, .	Northampton, .	1884	-	" "

* Deceased.

34. *Officers and Employees.*

Time employed, October 1, 1886.

NAMES.	Years.	Months.	Days.
Edward B. Nims, M. D., Superintendent,	17	9	16
Daniel Pickard, M. D., 1st Assistant Physician,	9	5	24
Charles G. Dewey, M. D., 2d Assistant Physician,	—	—	17
Emily F. Wells, M. D., 3d Assistant Physician,	1	9	—
Walter B. Welton, Clerk,	20	7	16
John Mercier, Farmer,	19	2	—
Danford Morse, Engineer,	21	6	9
Robert H. Gallivan, Supervisor,	13	5	13
Lucy A. Gilbert, Supervisor,	19	7	20
F. Josephus Rice, Steward,	27	11	26
Gertrude C. Arnold, Seamstress,	2	8	27
George B. Walker, Baker,	2	3	22
Jennie M. Smith, Assistant Clerk,	1	7	8
Mary M. Phinney, Assistant Supervisor,	3	4	10
Ida R. Howes, Assistant Seamstress,	5	1	12
Ida D. Hyde, Laundress,	2	4	6
Bridget Torpey, Assistant Laundress,	1	2	3
Hattie Burnham, Assistant Laundress,	—	2	9
Henry W. Estey, Attendant,	4	6	7
William J. Douglass, Attendant,	4	6	5
John L. Howard, Attendant,	4	3	25
Walter W. Burnham, Attendant,	2	11	7
Thomas P. Clair, Attendant,	2	—	4
Herbert E. Phinney, Attendant,	2	—	—
James M. Shipperly, Attendant,	1	8	1
William J. Estler, Attendant,	1	1	27
Thomas Lavelle, Attendant,	—	6	23
James E. Gerard, Attendant,	—	5	28
Fred L. Lamphere, Attendant,	—	5	28
Charles J. Gale, Attendant,	—	3	14
Edward L. Lacore, Attendant,	—	1	28
Maria E. Graves, Attendant,	18	8	9
Jane McGuire, Attendant,	11	5	5
Cécile Riel,	9	11	25
Frances F. Poor, Attendant,	7	11	15
Barbara McDonald, Attendant,	5	2	11
Flora R. Brown, Attendant,	3	9	25
Jeanette McLean, Attendant,	3	1	3
Nellie D. Parker, Attendant,	2	6	17
Philomene Goyette, Attendant,	3	6	13
Celeste Goyette, Attendant,	3	—	3
Lavinia Trenholm, Attendant,	1	8	20
Harriet Strong, Attendant,	1	3	13
Nellie E. Stearns, Attendant,	1	3	2
Maggie F. McKenna, Attendant,	2	4	21
Effie Clapp, Attendant,	—	3	17
Elizabeth M. Pomeroy, Attendant,	—	2	5
Lucie L. Barrett, Attendant,	—	—	12
Jessie A. Rand, Night Watch,	5	3	11

34. *Officers and Employees — Concluded.*

NAMES.	Years.	Months.	Days.
Hattie Halladay, Farmers' Dining Room, . . .	12	2	14
Hattie Gamwell, Centre,	2	7	27
Thomas C. Powers, Assistant Steward, . . .	12	6	11
Mary L. Willard, Centre,	1	—	—
Lillian M. Douglass, Cook,	4	11	22
Mary Meagher, Assistant Cook,	—	4	21
Mary Sweeny, Assistant Cook,	2	1	1
Lena Marble, Assistant Cook,	1	2	7
Mary A. Carnes, Rear,	3	3	—
William C. Hall, Assistant Engineer, . . .	21	—	20
Nicholas Riel, Night Engineer,	10	9	25
Moses Bartlett, Watchman,	1	6	—
Sifroi Belville, Carpenter,	16	5	7
Walter Tower, Carpenter,	9	10	—
Alfred Parenteau, Painter,	21	1	18
David Mercier, Coachman,	9	7	14
Benjamin Rockwell, Assistant Farmer, . . .	19	4	—
Julius Freeman, Assistant Farmer,	9	2	24
Henry Wilson, Assistant Farmer,	7	5	8
James Madden, Assistant Farmer,	11	—	29
Eugene Sullivan, Assistant Farmer,	11	5	—
William C. Albray, Assistant Farmer, . . .	2	5	27
Erie Ditty, Assistant Farmer,	3	9	7
George E. Hunter, Assistant Farmer,	—	5	19
Loren Tower, Car Boy,	1	—	18



