

**Twenty-eighth annual report of the trustees of the State Lunatic Hospital,
at Worcester. October, 1860.**

Contributors

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TWENTY-EIGHTH ANNUAL REPORT

OF

T H E T R U S T E E S

OF THE

S T A T E L U N A T I C H O S P I T A L ,


A T W O R C E S T E R .

O C T O B E R , 1 8 6 0 .

B O S T O N :

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OFFICERS OF THE HOSPITAL.

TRUSTEES.

JOSEPH N. BATES, <i>Chairman</i> ,	Worcester.
WILLIAM T. MERRIFIELD,	Worcester,
CHARLES H. STEDMAN,	. . . . .	Boston.
ROBERT W. HOOPER,	. . . . .	Boston.
EDWIN F. JENKS,	. . . . .	Adams.

TREASURER.

HENRY WOODWARD,	. . . . .	Worcester.
<i>Office, Mechanics' Bank, Main Street.</i>		

RESIDENT OFFICERS.

MERRICK BEMIS, M. D.,	. . . . .	<i>Superintendent.</i>
FRANCK H. RICE, M. D.,	. . . . .	<i>Assistant-Physician.</i>
HENRY C. PRENTISS, M. D.,	. . . . .	<i>Clerk and Apothecary.</i>
CAROLINE A. BEMIS,	. . . . .	<i>Matron.</i>

TWENTY-EIGHTH ANNUAL REPORT
 OF THE
 TRUSTEES OF THE STATE LUNATIC HOSPITAL,
 AT WORCESTER.

To His Excellency, the Governor, and the Honorable Council :

The Trustees of the Worcester Hospital for the Insane beg leave to report the following statistics of the institution for the year ending October 1, 1860 :

	Men.	Women.	Total.
Patients in the house October 1, 1859,	152	165	317
Admitted during the year,	105	110	215
Under treatment,	257	275	532
Discharged recovered,	65	64	129
" improved,	17	18	35
" not improved,	8	7	15
Died,	12	10	22
Remaining October 1, 1860,	155	176	331

The health of the patients during the year has been generally excellent. In the spring, a few cases of smallpox occurred, in nearly every instance of rather a mild form. The deaths that have occurred have been mostly among those who were affected

with bodily disease on entering the house. Except for a few weeks in August, the patients have been unusually quiet. Resort has been had to restraint in only a few cases—and that the mildest kind of restraint, to prevent accidents arising to the individuals themselves from their own violence. The condition of the hospital has been much improved during the last few years, making it nearly if not quite equal to the hospitals of more modern construction. The admirable system of ventilation and drainage has undoubtedly had a great effect in preventing epidemics to which crowded hospitals are liable. Until the new hospital at Northampton was finished, that at Worcester was unable to furnish beds, other than mattresses upon the floors, to more than about three-quarters of the inmates. Great judgment had to be used daily in selecting for such temporary accommodation those who would bear the inconvenience with composure.

The building is supplied, by a steam-engine, with volumes of pure air warmed to any required temperature; and, by the same power, the whole sewerage of the hospital is carried through conduits laid under ground, over the whole farm, which it serves to fertilize.

Much pains is taken to give every patient a proper amount of exercise out of doors, and to keep them cheerful and happy by work and amusement when in the house. The stone cells, once considered necessary appendages to a hospital, have been entirely abandoned during the last few years, and their places occupied by agreeable rooms for music, reading, and billiards. Those men who, while in health, had been used to out-of-door labor, have had ample opportunity for such work, when disposed to do it; thereby improving their own bodily and mental condition, and at the same time embellishing and cultivating the grounds about the house and farm. The number of days' work of men, thus gained, during the year, has been 5,732.

In addition to exercise and recreation out of doors for the women, there has been a large amount of useful labor, not only voluntarily, but gladly given by them, in various domestic duties, in the laundry and sewing-rooms, amounting during the year to 9,552 days' work.

Some measures are about to be taken to arouse the energies of the sluggish and desponding, and to repress the excessive

activity of others, by giving them an opportunity to engage in labor of greater variety and skill, and such as can be carried on in the winter and in stormy weather, when out-of-door occupations must, in a great measure, be suspended.

To make these necessary improvements, and place this hospital in a condition to receive and treat the large number of patients sent there, the Trustees have made use of such surplus income as they were able by strict economy to save from year to year. They had hoped, by a continued system of economy, to be able to reduce the price of board, to towns and individuals, as the next step in the means of contributing to the welfare of those under their charge. But the reduction lately made in the price allowed for the board of State patients, and the provision for the payment of salaries out of the funds of the hospital, have made this impossible at present. The argument used for reducing the allowance made for the beneficiaries of the State, that the buildings were erected by the Commonwealth, would apply equally to towns and individuals, who primarily furnish the means for all our charitable institutions. It is to be hoped that the legislature will so increase the amount allowed for the board of State patients, as to make the cost to all more nearly equal.

J. N. BATES.

WM. T. MERRIFIELD.

C. H. STEDMAN.

R. W. HOOPER.

EDWIN F. JENKS.

WORCESTER, October 14, 1860.

T R E A S U R E R ' S R E P O R T .

The Treasurer respectfully submits the following report.

Cash on hand September 30, 1859, .	\$231	26
Received from the Commonwealth, .	18,192	54
" " Towns and Individuals, .	28,339	62
" " all other sources, .	12,037	85
Due Mechanics' Bank,	955	74
	\$59,757	01

The payments have been as follows :

To Steward's orders,	\$54,562	37
Salaries,	3,575	26
Mechanics' Bank,	1,070	87
Collections, Stationery, &c., .	120	31
L. Dorman,	48	92
Abby Blanchard,	58	12
Ann Armsby,	26	33
Cash,	294	83
	\$59,757	01

H. WOODWARD, Treasurer.

WORCESTER, October 9, 1860.

SUPERINTENDENT'S REPORT.

To the Trustees of the State Lunatic Hospital at Worcester.

Gentlemen,—In compliance with the by-laws of this hospital, and the statute laws of the Commonwealth, I respectfully submit the following brief record of the history of those committed to my care during the year now closed.

TABLE No. 1,
Showing the general results of the year.

	Males.	Females.	Total.
Patients in the hospital October 1, 1859,	152	165	317
" admitted during the year,	105	110	215
Whole number under treatment,	257	275	532
Discharged recovered,	65	64	129
" improved,	17	18	35
" not improved,	8	7	15
Died,	12	10	22
Whole number discharged during the year,	102	99	201
" " remaining September 30, 1860,	155	176	331

By a reference to the foregoing table it will be seen that there were in the hospital October 1, 1859, three hundred and seventeen patients, one hundred and fifty-two of whom were males, and one hundred and sixty-five were females.

The number admitted during the year was two hundred and fifteen, of whom one hundred and five were males, and one hundred and ten were females.

The whole number under treatment during the year was five hundred and thirty-two, of whom two hundred and fifty-seven were males, and two hundred and seventy-five were females.

The whole number discharged during the year was two hundred and one, of whom one hundred and two were males, and ninety-nine were females.

The whole number remaining in the hospital at the close of the year was three hundred and thirty-one, of whom one hundred and fifty-five were males, and one hundred and seventy-six were females.

Of the two hundred and one patients discharged during the year, one hundred and twenty-nine had so far recovered their full measure of mental and physical health that they returned to their homes and resumed their ordinary labors.

Thus it will be seen by a glance at the accompanying tables, that the recoveries were in the ratio of fifty-five and one-third per cent. to the whole number admitted, or twenty-four and one-fourth per cent. to the whole number under treatment, and ninety-two per cent. to the number of those whose insanity had existed for a period less than one year.

A larger proportion of recoveries has seldom been reported in this hospital ; and the result, so gratifying, is due mainly to the fact that a large number of the admissions were recent cases of acute mania. Several other cases whose insanity had existed less than one year were suffering from a variety of nervous disorders produced by grief, anxiety, or long-continued watchfulness, and required only change of scene and hygienic treatment, to restore the proper balance of the mind and vigor of the bodily powers.

Of the thirty-five discharged as improved, a few returned to their homes in a very comfortable state of health, some were sent to almshouses, and others were transferred to other hospitals for the insane. Nearly all those discharged as not improved were transferred to other hospitals.

The standard of health, though always low in hospitals for the insane, has been, during the year, higher than usual. Late in the autumn there were a few cases of pneumonia of a mild

character; in the spring there were several cases of varioloid and smallpox; and in the summer three or four cases of measles.

During the months of July and August there was an unusual amount of noisy excitement in the house, such as generally attends acute mania. The general comfort of the institution was much disturbed in this way for a period of several weeks.

The importance of an early commitment to a hospital cannot be too strongly urged on the friends and guardians of those afflicted with mental disease, as the only reliable means of restoration. There still seems to be a prejudice in the minds of people against this early proceeding; for notwithstanding the gratifying results of the year, several cases have been committed to our care in such a state of debility and wretchedness, from long detention at home as to force upon us the conviction, that a commitment to the hospital was considered by the friends as little better than consigning their suffering relatives to a living grave. It should not be forgotten that in all hospitals for the insane, only those means best calculated to comfort, to improve and to restore are ever employed, and that nothing inconsistent with the best interests of the patient is ever practiced or permitted.

TABLE No. 2,

Showing the Admissions and the state of the Hospital from October 1 1859, to September 30, 1860.

Patients in the hospital October 1, 1859,	317
Males,	152
Females,	165
Patients admitted in the course of the year,	215
Males,	105
Females,	110
Patients remaining in the hospital September 30, 1860,	331
Males,	155
Females,	176
Of the admissions there were cases of less duration than one year,	139
Males,	64
Females,	75
Of the admissions there were cases of more than one year's duration,	76
Males,	41
Females,	35

TABLE No. 2—Continued.

Of the admissions there were cases the duration of whose insanity could not be ascertained,	-
Patients committed by Courts,	158
Males,	77
Females,	81
Patients committed by Overseers of the Poor,	17
Males,	13
Females,	4
Patients on bonds,	40
Males,	15
Females,	25
Foreigners, and those having no settlement in this State, admitted in the course of the year,	97
Males,	51
Females,	46
Foreigners, and those having no settlement in this State, discharged in the course of the year,	79
Males,	42
Females,	37
Foreigners, and those having no settlement in this State, remaining in the hospital September 30, 1860,	130
Males,	62
Females,	68

State Paupers remaining in the hospital at the close of each year, as nearly as can be ascertained.

1842,	34	1852,	241
1843,	38	1853,	216
1844,	38	1854,	151
1845,	57	1855,	115
1846,	52	1856,	155
1847,	121	1857,	119
1848,	150	1858,	121
1849,	167	1859,	124
1850,	181	1860,	130
1851,	208		

The foregoing shows that you have discharged from the care and custody of the hospital, in the course of the year, seventy-nine patients who have no settlement in this Commonwealth. Few, if any, of them have been supported otherwise than by the

charity of the State. Mostly foreigners, they are very generally friendless, homeless and destitute when stricken down by disease, and if they so far recover as to come under your consideration for discharge, they have no places to which they can go, and no friends able to assist them.

It not unfrequently happens that families quite well to do, are broken up by the insanity of father or mother. The parent is placed in the hospital and the remaining members of the family struggle on against poverty and increasing hardship, until at length their courage and strength gives out, and they are separated. In the economy of charity the younger members are sent in one direction and the older ones in another. If in the process of time the insane one recovers, or but partially so, he sees nothing but ruin to all his social and domestic hopes. His family are scattered, and like himself subsisting from day to day on the bounty of public charity; or it may be his children are bound out to service, and thus placed beyond his control even after his restoration to health. With his own personal prospects of gaining a livelihood it is not much better. His occupation is gone, he is destitute of means and of friends, and he learns in his first efforts to procure labor that a residence in the wards of an insane hospital does not afford him the best recommendation.

Under all these circumstances, the Alien Passenger Commissioners find it necessary to place in the State almshouses a considerable number.

Places have been procured for a few others who are now out at service and receiving wages. Others have been assisted by the Alien Passenger Commissioners with means to reach their friends in other parts of the country.

You will remember that none of these patients have been recommended to you for discharge from the hospital, whose mental and physical health did not make such a step seem advisable.

Those patients removed from the hospital previous to recovery have been visited and carefully observed by the Commissioners or their agent before any steps have been taken to procure a discharge, and when relatives or friends have been known their pleasure has always been consulted in the matter. So that, while the Alien Passenger Commissioners and the

Board of Trustees have been equally desirous to relieve the Commonwealth of any unnecessary expense, the interests of the patients have always been as humanely regarded as was possible under the circumstances.

TABLE No. 3,

Showing the number Admitted, Restored, Improved, Died, etc., in each month during the year.

MONTH.	ADMITTED.			REMOVED.					REMAINING.		
	Males.	Females.	Total.	Restored.	Improved.	Not Improved.	Otherwise.	Total.	Males.	Females.	Total.
October, . . .	5	5	10	13	-	-	4	17	146	164	310
November, . .	11	6	17	11	-	-	1	12	151	164	315
December, . .	6	7	13	7	1	1	2	11	155	162	317
January, . . .	9	5	14	7	1	-	3	11	158	162	320
February, . . .	6	16	22	6	7	4	4	21	152	169	321
March,	8	9	17	9	1	-	1	11	155	172	327
April,	10	8	18	17	3	2	-	22	152	171	323
May,	13	10	23	17	3	-	3	23	156	167	323
June,	11	13	24	16	-	-	-	16	158	173	331
July,	9	9	18	10	1	-	3	14	160	175	335
August,	9	13	22	10	1	1	1	13	161	183	344
September, . .	8	9	17	14	9	7	-	30	155	176	331
Totals,	105	110	215	137	27	15	22	201			

TABLE No. 4,

Showing the Form of Disease in those Admitted and Discharged during the year.

FORM OF DISEASE.	ADMITTED.			DISCHARGED.		
	Males.	Females.	Total.	Males.	Females.	Total.
Mania,	39	42	81	41	39	80
“ Chronic,	4	5	9	4	3	7
“ with Epilepsy,	3	2	5	4	2	6
“ with general Paralysis,	4	—	4	1	—	1
Melancholia,	18	21	39	14	16	30
Dementia,	14	19	33	18	17	35
“ Senile,	2	2	4	—	—	—
“ with Epilepsy,	5	2	7	3	5	8
“ with general Paralysis,	3	—	3	1	—	1
Monomania of Fear,	3	7	10	1	3	4
“ Pride,	2	—	2	—	1	1
“ Suspicion,	8	10	18	3	3	6
Idiocy,	—	—	—	—	—	—
Totals,	105	110	215	90	89	179

TABLE No. 5.

Supposed Causes of Insanity of Patients admitted into the Hospital from January, 1833, to September 30, 1860.

CAUSES.	1860.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Apoplexy,	—	—	2	—
Asthma,	—	—	2	—
Bronchitis,	—	—	2	13
Chorea,	—	—	—	2
Constipation,	2	—	—	1
Convulsions,	—	—	8	6
Dysentery,	—	—	1	2
Dyspepsia,	2	3	4	3
Epilepsy,	5	2	90	37
Eruptive Diseases,	—	—	5	5
Eyes, Disease of,	—	—	1	—
“ Loss of,	—	—	1	—
Fever,	1	2	28	35
Ill Health,	25	34	166	529

TABLE No. 5—Continued.

CAUSES.	1860.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Influenza,	-	-	1	5
Insolation,	1	-	14	-
Laryngitis,	-	-	-	1
Nervous Irritation,	-	-	-	4
Nymphomania,	-	-	-	1
Old Age,	2	1	10	4
Otitis,	-	-	3	-
Palsy,	2	1	38	24
Pneumonia,	-	-	-	1
Rheumatism,	-	-	3	1
Scrofula,	3	2	-	2
Sea-sickness,	-	-	-	1
Somnambulism,	-	-	-	1
Suppressed Eruption,	1	-	5	4
Suppressed Ulcer,	1	-	1	3
Tic Douloureux,	-	-	-	1
Tumor,	-	-	-	1
Whooping Cough,	-	-	-	1
Amenorrhœa,	-	3	-	16
Lactation, Excessive,	-	-	-	5
Menorrhagia,	-	2	-	3
Menorrhagia, Suppressed,	-	5	-	5
Miscarriage,	-	1	-	1
Pregnancy,	-	1	-	4
Puerperal,	-	2	-	141
Turn of Life,	-	7	-	32
Amputation of Leg,	-	-	1	-
Bathing in Cold Water,	-	2	2	-
Drinking Cold Water,	-	-	1	-
Exposure to Cold,	-	-	6	-
Injury by Falling, &c.,	2	-	7	3
“ of Head,	2	-	45	8
“ of Spine,	1	-	2	1
Lead, Poison of,	-	-	2	-
Lightning, Stroke of,	-	-	1	1
Labor, Excessive,	-	2	28	51
Loss of Sleep,	2	-	-	5
Study, Excessive,	-	-	25	6
Spiritualism,	-	-	11	14
Criminal Trial,	-	-	-	1
False Accusation,	-	-	-	1
Imprisonment,	4	-	5	1
Death of Relatives,	1	1	19	53
Domestic Trouble,	9	17	118	295
Marriage, Unhappy,	-	-	4	2
Disappointment in Love,	-	-	55	61
Disappointed Ambition,	-	-	6	6
Homesickness,	2	3	1	5
Fright,	1	-	14	18

TABLE No. 5—Continued.

CAUSES.	1860.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Seduction,	—	1	—	1
Political Excitement,	—	—	13	—
Religious Excitement,	1	2	130	166
Pecuniary Trouble,	3	—	117	23
Poverty,	—	—	—	1
“ Fear of,	3	1	30	11
Giving up Business,	—	—	3	—
Change of Business,	—	—	5	—
Violent Temper,	1	2	2	16
Jealousy,	2	4	17	23
Intemperance,	17	4	139	55
Opium, Use of,	1	1	1	4
Tobacco, Use of,	—	—	1	3
Masturbation,	6	4	242	28
Venery, Excess of,	—	—	1	—
Of the above there were:				
Hereditary Cases,	14	17		
Periodical “	7	19		
Homicidal “	9	2		
Suicidal “	11	13		

An attempt to set forth with exactness the relative influence of the various causes of insanity is extremely difficult. All statistical tables are subject to error, and hence great caution is necessary in drawing conclusions, even from those prepared by the most skilful observers. It often happens that statistical statements transmitted with the patients received into the hospital, are either carelessly filled up, or the real cause of the attack is not given.

Thus masturbation, intemperance, and other causes disagreeable to the patient's friends, but which may have been the most influential agents in producing the disease, are in the official statement replaced by “unknown,” “ill health.” An affectionate and well-intended reluctance to publish the moral and intellectual infirmities of an afflicted friend may induce those relied on for information on the subject to ignore the facts in the case, and ascribe the existence of the malady to some trivial and inefficient agency.

Thus it happens that upon the records of the hospital we find such causes as “sore finger,” “bite of dog.” But if all the

agencies named in the table were given in good faith, and if they really point out conditions predisposing individuals to mental disease, we are led to recognize a strong similarity between the causes of insanity and of other disorders of the nervous system.

Indeed there is hardly an assigned cause contained in the table, moral or physical, which may not induce in other persons chorea, epilepsy, convulsions, or paralysis. It is necessary, therefore, in attempting to investigate the diversified causes of insanity, to divest the mind of any previous ideas which might bias the judgment, and attend closely to the facts which have been recorded by intelligent observers, and which, if in themselves imperfect, giving only a partial light, are much better than any preconceived notions or theoretical speculations. By so doing we may hope eventually to arrive at some more satisfactory conclusion regarding the nature and cause of mental disease, and thus be able to exercise some control over the conditions which produce so great an evil.

Fifty-nine patients have been admitted in the course of the year, who for a considerable period of time previous to the development of mental disease had been afflicted with ill health in some of its many forms. There can be no doubt that in nearly every case of insanity the attack is preceded by a bad state of the physical health. In short, that insanity is a disease of debility, not of strength, and that it generally arises from defective nutrition, transmitted weakness, or physical depression produced by personal privation or suffering. Insanity is never a spiritual malady, a disease of the soul, a sickness of the immaterial principle; but the perverted action of the mind resulting from a defect in its material instrument. Whatever disturbs the general health, whatever weakens the bodily powers, disturbs and deranges the healthy operations of the mind. Whatever strengthens the body does much towards restoring the integrity of the mental faculties. The mind under all conditions partakes of the health of the body, and is depressed, irritated, and morose, or calm, clear, and cheerful, according as the body is well fed, properly clothed, and thoroughly exercised.

Intemperance was assigned as the cause of insanity in twenty-one cases admitted in the course of the year, and in nearly five hundred cases since the opening of the hospital in 1833.

Intemperance in the use of intoxicating drinks, disturbs and exhausts the brain, and affects its power of correct and ready action ; and hence the mind becomes wayward, its operations uncertain, and the individual is unfitted for the highest duties of life. Hence follow derangements in the affairs of the world. Hence, too, follow ill health, disorders of the nervous system, and insanity, which finds so frequent an origin in the exhausting effects of intoxicating drinks, especially among the poor. Every habit and condition which depreciates the vital force, lowers the tone of the muscular system, and diminishes the physical energies, lessens thereby the power of labor and of production ; in the same manner it also lowers the tone of the brain, and the capacity of self-management. In this state the mind is over-taxed by the ordinary cares of life. It struggles and suffers, and may become permanently deranged. But intemperance has its first depressing effect on the energy of physical action and the soundness of the understanding in worldly affairs, and secondly on the power and discipline of the mental faculties.

It produces insanity, not so much by excitement, as by reaction and depression. The intemperate man also refuses his food, and in his neglect to supply his body with solid sustenance, substitutes a drink that contains but few of the elements of nourishment. He thus actually starves his body, while he ruins his powers of digestion, and hastens on his insanity, by continually taking that which produces fits of unhealthy depression of the mental faculties.

Domestic affliction consigned to the care of the hospital its usual proportion of cases. Long protracted grief, from whatever source, by producing watchfulness, or unrefreshing sleep, by impairing the appetite and disturbing the process of digestion is one of the most common causes of nervous disorders in general, and is not unfrequently productive of permanent disorder of the mental operations.

TABLE NO. 6.

Diseases which have proved Fatal from Jan. 18, 1833, to Sept. 30, 1860.

DISEASES.	1860.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Apoplexy,	-	-	15	9
Asthma,	-	-	4	1
Anaemia,	-	-	1	1
Asphyxia,	-	-	1	-
Bronchitis,	-	-	2	-
Brain Fever,	-	-	1	-
Consumption,	1	2	34	53
Convulsions,	-	-	3	1
Cholera Morbus,	-	-	2	3
Cholera,	-	-	5	-
Cancer,	-	-	1	1
Congestion of Lungs,	-	-	-	1
“ of Brain,	-	-	1	1
Chronic Dysentery,	-	-	2	-
Chronic Meningitis,	-	-	3	-
Dysentery,	-	-	10	6
Dropsy,	-	-	5	7
Delirium Tremens,	-	-	3	-
Disease of Heart,	-	-	9	11
“ of Bladder,	-	-	1	-
“ of Brain,	-	-	6	14
Diarrhœa,	-	-	13	8
Enteritis,	-	-	3	6
Epilepsy,	3	2	50	18
Exhaustion,	2	2	29	44
Erysipelas,	-	-	9	10
Gangrene of Lungs,	-	-	1	2
Hydrothorax,	-	-	1	1
Hemorrhage,	-	-	4	4
Hemoptysis,	-	-	1	-
Inflammation of Bowels,	-	-	3	3
Jaundice,	-	-	-	2
Marasmus,	1	2	47	49
Mortification,	-	-	-	1
Maniacal Exhaustion,	1	1	4	3
Malignant Fever,	-	-	1	-
Old Age,	2	1	15	10
Palsy,	-	-	18	15
Pneumonia,	-	-	9	15
Pleurisy,	-	-	-	1
Rupture,	-	-	1	-
Syncope,	-	-	1	-
Suicide,	1	-	14	8
Smallpox,	1	-	-	-
Suppurative Phlebitis,	-	-	1	-
Typhoid Fever,	-	-	8	6
Typho-Mania,	-	-	7	5

Three patients died during the year who were more than eighty years of age. Two were between the ages of seventy and eighty years, and three were between sixty and seventy years of age.

One of those who died during the year had been an inmate of the hospital for a period of more than thirteen years; one had resided here twelve years; another more than eleven years, and three others more than ten years each.

Two patients who died during the year were brought to the hospital in such a feeble state of health that they could not sit up at all, and neither of them ever recruited in the least, although they lived several weeks.

TABLE No. 7,

Showing the Ages of Patients Admitted, Discharged, Recovered, not Recovered, and Died during the year.

AGES.	ADMITTED.		DISCHARGED RE- COVERED.		DISCHARGED NOT RECOVERED.		DIED.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Less than 15,	2	3	—	—	—	—	—	—
From 15 to 20,	4	5	3	4	—	—	—	—
20 to 30,	28	30	19	17	1	2	1	1
30 to 40,	36	41	25	24	6	4	1	2
40 to 50,	15	18	15	14	8	10	1	1
50 to 60,	12	7	4	3	4	3	4	3
60 to 70,	5	3	3	4	1	2	2	2
70 to 80,	2	2	—	2	1	—	1	—
80 to 90,	1	1	—	—	—	—	2	1
Totals, . .	105	110	69	68	21	21	12	10

TABLE No. 8,

Showing the Duration of Insanity before admission of Patients admitted from January 18, 1833, to September 30, 1860.

DURATION OF INSANITY.	1860.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Insane less than 1 year,	64	75	1,465	1,701
Insane more than 1 y'r and less than 2 yr's,	17	13	340	298
2 y'rs and less than 5 y'rs,	13	11	442	383
5 y'rs and less than 10 y'rs,	6	3	223	179
10 y'rs and less than 15 y'rs,	3	4	119	132
15 y'rs and less than 20 y'rs,	2	1	37	37
20 y'rs and less than 25 y'rs,	-	1	38	41
25 y'rs and less than 30 y'rs,	-	-	17	9
30 y'rs and more,	-	-	24	24
Unascertained,	-	2	228	239
Totals,	105	110	2,933	3,043

TABLE No. 9,

Showing the Ages of Patients admitted to the Hospital from January 18, 1833, to September 30, 1860.

AGES.	1860.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Less than 15 years of age,	1	-	25	28
Between 15 and 20 years of age,	5	8	216	198
20 and 30 " "	38	39	862	838
30 and 40 " "	25	29	754	840
40 and 50 " "	19	20	476	523
50 and 60 " "	7	5	337	381
60 and 70 " "	5	4	193	152
70 and 80 " "	2	2	54	53
More than 80 years of age,	3	3	8	15
Unascertained,	-	-	8	17
Totals,	105	110	2,933	3,043

TABLE No. 10,

*Showing the Civil Condition of Patients admitted to the Hospital from
January 18, 1833, to September 30, 1860.*

CIVIL CONDITION.	1860.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Unmarried,	53	47	1,472	1,380
Married,	44	49	1,274	1,257
Widowers,	6	—	144	—
Widows,	—	11	—	369
Unascertained,	2	3	43	37
Totals,	105	110	2,933	3,043

TABLE No. 11,

*Showing the Admissions from each County from January 18, 1833, to
September 30, 1860.*

COUNTIES.	1860.			Previously.	Whole No.
	Males.	Females.	Total.		
Barnstable,	—	—	—	126	126
Berkshire,	1	1	2	185	187
Bristol,	—	1	1	289	290
Dukes,	—	—	—	19	19
Essex,	17	20	37	815	852
Franklin,	1	1	2	123	125
Hampden,	—	1	1	351	352
Hampshire,	—	—	—	220	220
Middlesex,	30	27	57	832	889
Nantucket,	—	—	—	31	31
Norfolk,	2	4	6	581	587
Plymouth,	—	—	—	233	233
Suffolk,	10	9	19	637	656
Worcester,	44	46	90	1,517	1,607
Other States,	—	—	—	17	17
Totals,	105	110	215	5,976	6,191

TABLE NO. 12,

*Showing the Occupation of Patients admitted into the Hospital from
January 18, 1833, to September 30, 1860.*

OCCUPATION OF PATIENTS.	1860.	Previously.
MALES.		
Auctioneers,	-	3
Armors,	-	3
Authors,	-	1
Blacksmiths,	-	34
Bakers,	-	6
Butchers,	-	6
Bookbinders,	-	7
Boot-makers,	2	17
Brokers,	-	3
Book-keepers,	2	6
Britannia-workers,	-	2
Brickmakers,	-	5
Bellows-makers,	-	2
Brewers,	-	2
Basket-makers,	-	-
Bricklayers,	1	4
Butlers,	-	2
Barbers,	2	3
Clergymen,	-	19
Carpenters,	3	117
Coppersmiths,	-	6
Coopers,	-	16
Cabinet-makers,	1	11
Calico-printers,	-	3
Clothiers,	-	17
Comb-makers,	-	4
Coach-makers,	-	8
Card-makers,	-	2
Chair-makers,	-	4
Cigar-makers,	-	3
Coachmen,	-	16
Clerks,	4	29
Carpet weavers,	-	1
Curriers,	-	7
Cashiers of Banks,	-	4
Cordwainers,	2	4
Collectors,	-	2
Caulkers,	-	4
Chandlers,	-	5
Camphene distillers,	-	1
Conductors on Railroads,	1	2
Dyers,	-	4
Druggists,	-	3
Draymen,	-	3
Drovers,	-	1

TABLE No. 12—Continued.

OCCUPATION OF PATIENTS.	1860.	Previously.
Dancing masters,	—	1
Daguerreotypists,	—	2
Engravers,	—	3
Editors,	—	4
Express-men,	1	3
Farmers,	17	459
Fishermen,	1	15
Fruiterers,	—	4
Gunsmiths,	—	3
Gardeners,	—	10
Grocers,	—	3
Glass-blowers,	—	3
Gilders,	—	2
Hotel-keepers,	—	16
Hatters,	—	3
Hostlers,	1	10
Housewrights,	—	7
Harness-makers,	—	7
Ironmongers,	—	3
Jewellers,	—	12
Lawyers,	—	12
Laborers,	29	350
Last-makers,	—	1
Manufacturers,	1	33
Millers,	—	16
Merchants,	1	113
Masons,	—	17
Miners,	—	5
Mat-makers,	—	3
Miniature painters,	—	1
Musicians,	—	7
Machinists,	2	33
Messengers,	—	2
Moulders,	—	6
Millwrights,	—	1
Nailers,	—	1
Newsmen,	—	3
Optician,	—	1
Operatives in Mill,	4	54
Oystermen,	—	4
Painters,	1	30
Printers,	—	29
Physicians,	—	11
Paper-makers,	—	4
Peddlers,	—	18
Pilots,	—	1
Potters,	—	3
Porters,	—	9
Pump and Block-makers,	—	3
Pattern-makers,	—	5

TABLE No. 12—Continued.

OCCUPATION OF PATIENTS.	1860.	Previously.
Police officers,	-	4
Rope-makers,	-	9
Riggers,	-	3
Restaurators,	-	7
Shoemakers,	19	208
Sail-makers,	-	9
Soap-makers,	-	4
Sash and blind-makers,	-	2
Stage drivers,	-	5
Sea captains,	-	15
Sailors,	3	101
Saddlers,	-	9
Silversmiths,	-	19
Students,	-	49
Stock-maker,	-	1
Silk-weavers,	-	2
Ship carpenters,	-	17
Ship brokers,	-	2
Shopkeepers,	2	5
Stonecutters,	-	14
Soldiers,	2	5
Spinners,	-	13
Sheriffs,	-	3
Shoe dealers,	-	5
Stable keepers,	-	2
Shoe binders,	-	7
Tailors,	1	15
Teachers,	-	52
Tobacconists,	-	3
Teamsters,	-	12
Tinners,	-	2
Umbrella-makers,	-	4
Victuallers,	-	3
Wheelwrights,	-	14
Watchmakers,	-	4
Wood-turners,	-	3
Watchman,	-	1
Whip-maker,	-	1
Weavers,	2	18
No occupation,	-	3
FEMALES.		
Carpet-weavers,	-	2
Cooks,	4	58
Chamber maids,	5	36
Dress-makers,	7	53
Engravers,	-	1
Housekeepers,	41	1,001
House maids,	8	138
Laundresses,	2	53

TABLE 12—Continued.

OCCUPATION OF PATIENTS.	1860.	Previously.
Milliners,	3	27
Mantuamakers,	—	6
Midwife,	—	1
Nurses,	1	14
Nurserymaids,	—	21
Operatives in mill,	11	133
Seamstresses,	13	317
Straw-sewers,	—	10
Shoe-binders,	2	17
Students,	—	4
School girls,	3	44
Teachers,	—	61
Tailoresses,	—	38
Type-setters,	—	2
Wool stapler,	—	1
Weavers,	2	18
No occupation,	8	6

TABLE No. 13,

Showing the whole number of Patients during the last year, the average number, the number at the end of each year, the expense of each year, and the annual expense for each Patient for each of the twenty-eight years the Hospital has been in operation.

Year.	Whole No.	Average No.	No. at end of each year.	Current expenses of each year.	Annual expense for each patient.
1833, .	153	107	114	\$12,272 91	\$114 67
1834, .	233	117	118	15,840 97	135 38
1835, .	241	120	119	16,576 44	137 30
1836, .	245	127	138	21,395 28	168 44
1837, .	306	163	185	26,027 07	159 64
1838, .	362	211	218	28,739 40	136 20
1839, .	397	223	229	29,474 41	132 16
1840, .	391	229	236	27,844 98	121 59
1841, .	399	233	232	28,847 62	123 81
1842, .	430	238	238	29,546 87	111 12
1843, .	458	244	255	27,914 12	114 40
1844, .	491	261	263	29,278 75	112 17
1845, .	656	316	360	43,888 65	138 88
1846, .	637	359	367	39,870 37	111 06
1847, .	607	377	394	39,444 47	104 62
1848, .	655	404	409	42,860 05	106 09
1849, .	682	420	429	40,870 86	97 31
1850, .	670	440	441	46,776 13	106 40
1851, .	704	462	466	52,485 33	112 61
1852, .	775	515	532	43,878 35	85 20
1853, .	820	537	520	53,606 66	103 14
1854, .	819	430	381	53,221 52	123 77
1855, .	580	349	336	54,895 88	157 29
1856, .	577	357	376	45,631 37	128 64
1857, .	647	387	372	49,004 75	124 04
1858, .	679	372	301	38,267 26	102 86
1859, .	501	309	317	48,363 33	156 51
1860, .	532	324	331	47,757 01	147 39

TABLE No. 14,
Showing the Statistics of the Hospital from January 18, 1833, to September 30, 1860.

	1833	1834	1835	1836	1837	1838	1839	1840	1841	1842	1843	1844	1845	1846	1847	1848	1849	1850	1851	1852	1853	1854	1855	1856	1857	1858	1859	1860
Whole number admitted,	153	196	113	125	168	177	179	162	163	198	220	336	293	277	240	261	273	241	263	309	288	299	199	241	271	307	200	215
Whole number discharged,	39	115	112	106	121	144	168	155	167	191	203	228	196	270	213	246	253	229	288	243	300	438	244	207	275	376	184	201
Discharged recovered,	25	64	52	58	69	76	80	82	82	88	116	124	122	154	103	136	138	125	111	108	145	122	109	97	150	127	89	129
Discharged improved,	7	22	23	17	23	24	29	27	36	25	32	40	25	31	23	32	26	15	38	34	36	53	26	46	75	174	52	35
Discharged not improved,	2	20	28	22	20	28	27	29	37	63	33	49	25	47	57	48	52	32	50	61	78	229	79	23	6	41	13	15
Died,	4	8	8	8	9	16	22	15	12	12	22	15	24	38	30	30	37	57	39	45	41	34	29	35	44	34	30	22
Eloped,	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1
Whole No. in hospital course of the year,	153	233	241	245	306	362	397	391	399	430	458	491	556	637	607	655	682	670	704	775	820	819	580	577	647	679	501	532
No. remaining at the end of each year,	114	118	109	138	185	218	229	236	332	238	255	263	390	367	394	409	429	441	466	532	520	381	336	376	372	301	317	331
Males admitted,	96	6	57	66	94	96	80	75	73	107	111	109	164	138	105	128	134	129	125	148	135	125	86	112	123	142	106	105
Females admitted,	57	51	62	59	74	81	99	87	90	91	109	127	129	139	135	133	139	112	138	161	152	174	113	129	145	165	94	110
Males discharged,	19	58	57	56	65	74	66	59	71	96	92	108	96	142	97	126	122	109	127	117	167	240	119	114	149	196	89	89
Females discharged,	15	48	46	41	47	54	80	81	84	83	89	105	96	142	97	126	122	109	127	117	167	240	119	114	149	196	89	89
Males died,	3	5	4	6	6	10	14	9	7	3	8	9	15	20	18	15	19	29	13	20	20	15	13	18	19	18	20	12
Females died,	1	3	4	2	3	6	8	6	5	9	14	6	9	18	12	15	18	28	26	25	21	19	14	17	25	16	10	10
Sent in by courts,	109	55	90	119	129	123	123	106	110	157	152	158	167	143	135	166	206	194	184	259	241	220	160	198	182	151	134	158
Sent in by friends and overseers,	44	64	23	8	39	54	56	56	53	41	68	78	126	134	105	95	67	47	79	50	47	57	36	48	89	22	66	57
Sent in by governor's warrant,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	3	-	-	88	-	-
Males recovered,	13	33	27	32	37	45	32	28	37	44	53	56	64	72	48	67	70	60	56	55	65	45	50	46	74	55	43	65
Females recovered,	12	31	25	26	32	31	48	54	45	44	63	68	58	82	55	69	68	65	55	48	80	77	59	51	76	72	46	64
Average number in hospital,	107	117	120	127	163	211	223	229	233	238	244	261	316	359	377	404	420	440	462	515	520	430	349	357	387	372	309	324

TABLE No. 15.
Per Cent.

	1833.	1834.	1835.	1836.	1837.	1838.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	1859.	1860.	
Per cent. of recovery of recent cases,	-	52	82	84	89	86	90	91	91	91	88	93	89½	79	72	86	84	87	82	77	83	80	92	78	76	78	75	92	
Per cent. of recovery of all discharges,	-	54	46	53	57	52	47	53	49	46	59	54	62½	57	49	55	54	54	46	42	46	52	45	48	65	84	48	64	
Per cent. of recovery of old cases,	-	20	18	19	25	15	17	22	21	16	29	24	31½	28	17	19	24	21	18	18	24	29	17	15	30	20	18	19	
Per cent. of admissions of the most prominent causes each year:—																													
Ill health,	8	18	21	22	21	28	27	25	23	18	16	15	13	11	17	18	18	7	9	9	7	8	10	19	23	17	19	27	
Religious,	9	6	7	7	6	9	5	4	4	9	13	9	7	10	6	1	2	4	2	3	4	3	4	3	1	-	1	1	
The affections,	14	12	17	16	16	15	25	17	13	15	9	10	14	1	12	11	10	8	11	6	2	8	5	2	2	5	7	6	
Property,	7	11	9	6	6	10	6	5	4	5	7	3	9	5	3	2	4	3	2	3	2	2	1	1	1	1	3	4	
Intemperance,	25	24	23	15	10	16	8	12	12	8	6	8	10	10	7	5	4	3	4	2	2	4	2	9	9	4	11	9.7	
Masturbation,	5	6	7	16	21	6	8	7	6	4	3	2	6	3	2	2	4	3	4	2	4	4	3	3	1	1	5	4.6	
Per cent. of deaths of all in the hospital each year,	2.61	3.43	3.31	3.26	2.94	4.42	5.53	3.83	3.	2.79	4.08	3.05	4.31	5.96	4.94	4.58	5.42	8.05	5.53	5.81	5.	5.58	4.06	6.	6.8	5.1	6.	4.6	
Per cent. of deaths of average number of residents each year,	3.07	6.08	6.66	6.03	5.05	7.58	9.86	6.55	5.15	5.	9.	5.74	7.59	10.55	7.95	7.92	9.00	12.95	8.00	8.73	7.88	7.09	7.07	9.08	11.	9.1	9.7	6.4	

TABULAR VIEW.

TABULAR VIEW

Of the Condition of the Patients in the State Lunatic Hospital, from Oct. 1, 1859, to Sept. 30, 1860, inclusive.

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
1833	2 Jan. 22	55	Male	Widower	Religious, . . .	17 years	The Court	27 yrs 8 mths	Remains	Not improved	Hereditary.	Homicidal.
1837	582 May 26	37	Femal	Single	Love affair, . . .	6 months	The Friends	23 yrs 4 mths	do	do	do	
1838	876 Dec. 28	24	Male	do	Unknown, . . .	3 do	The Court	21 yrs 9 mths	do	Improved	do	
1839	895 Mar. 1	30	Female	do	Ill health, . . .	2 do	The Overseers	21 yrs 6 mths	do	do	do	
1840	973 Aug. 5	33	Male	do	Masturbation, . . .	9 years	The Court	21 yrs 2 mths	do	do	do	
1841	1092 April 21	26	Female	do	Ill health, . . .	6 do	do	20 yrs 5 mths	do	Not improved	do	
1842	1156 Sept. 4	40	Male	Married	Unknown, . . .	2 do	do	20 yrs 1 mth	do	Improved	do	Pauper from England.
1843	1252 April 29	31	Female	do	Ill health, . . .	2 months	The Friends	19 yrs 5 mths	do	do	do	
1844	1390 Jan. 24	29	Male	Single	Masturbation, . . .	6 years	The Court	18 yrs 8 mths	do	Not improved	Hereditary.	
1845	1409 Feb. 28	30	do	do	Unknown, . . .	2 do	do	18 yrs 7 mths	do	do	do	
1846	1481 July 15	36	do	do	do	13 do	do	18 yrs 2 mths	do	do	do	
1847	1531 Oct. 11	40	do	do	do	13 do	do	17 yrs 4 mths	Died	Palsy	do	
1848	1565 Dec. 7	22	do	do	Masturbation, . . .	3 months	do	17 yrs 9 mths	Remains	Improved	do	Pauper from Ireland.
1849	1583 Jan. 15	28	do	do	do	6 years	do	17 yrs 9 mths	do	Not improved	do	
1850	1655 May 18	50	Female	do	Unknown, . . .	1 do	do	17 yrs 4 mths	do	do	do	do
1851	1696 July 15	55	do	Married	Ill health, . . .	2 do	do	17 yrs 2 mths	do	do	do	
1852	1772 Nov. 16	29	Male	Single	Masturbation, . . .	7 do	do	16 yrs 10 mths	do	do	do	
1853	1981 Oct. 2	36	Female	Married	Unknown, . . .	5 do	do	16 yrs	do	do	do	
1854	1985 do 12	46	do	do	do	2 do	do	16 yrs	do	do	do	
1855	2047 Jan. 8	21	Male	Single	Masturbation, . . .	6 do	The Overseers	15 yrs 7 mths	do	do	do	
1856	2197 July 22	21	do	do	do	2 do	The Friends	15 yrs 2 mths	do	do	do	

2220	Aug. 29	28	Male	Single	Unknown,	. . . . .	5 weeks	The Friends	15 yrs	1 mth	Remains	Not improved	Hereditary.	Periodical.
2229	Sept. 8	27	Female	do	Masturbation,	. . . . .	3 years	The Court	15 yrs	do	do	do	do	do
2280	Nov. 3	30	Male	do	do	. . . . .	5 do	The Friends	14 yrs	11 mths	do	do	do	do
	1846													
2412	April 18	26	do	do	Disappointment,	. . . . .	1 week	do	14 yrs	5 mths	do	do	do	do
2419	May 11	48	do	Married	Unknown,	. . . . .	Unknown	do	14 yrs	4 mths	do	do	do	do
	1847													
2645	April 16	44	Female	do	do	. . . . .	2 months	do	13 yrs	5 mths	do	do	do	do
2802	Oct. 29	27	do	Single	do	. . . . .	6 do	The Court	12 yrs	11 mths	do	do	do	do
2839	Dec. 21	43	Male	do	Intemperance,	. . . . .	14 do	Sup. J. Court	12 yrs	9 mths	do	Improved	Pauper from Ireland.	Periodical.
	1848													
2860	Jan. 8	38	Female	do	Hard study,	. . . . .	1 year	The Friends	12 yrs	8 mths	Died	Marasmus	Hereditary.	
2875	Feb. 2	51	do	do	Disappointed affection,	. . . . .	31 years	do	12 yrs	7 mths	Remains	Not improved	do	
2981	July 11	24	do	do	Ill health,	. . . . .	5 do	do	12 yrs	2 mths	do	do	do	
3065	Oct. 25	30	do	do	Unknown,	. . . . .	28 do	do	11 yrs	11 mths	do	do	do	
3076	Nov. 14	64	Male	Married	Ill health,	. . . . .	2 do	do	11 yrs	8 mths	Died	do	do	
3085	Dec. 1	37	Female	do	do	. . . . .	12 do	The Court	11 yrs	10 mths	Remains	do	do	
	1849													
3125	Feb. 13	57	do	Widow	Domestic affliction,	. . . . .	6 do	do	10 yrs	10 mths	Died	Epilepsy	do	
3191	May 12	28	Male	Single	Unknown,	. . . . .	4 months	do	11 yrs	4 mths	Remains	Not improved	do	
3192	do 14	20	Female	do	do	. . . . .	4 do	do	11 yrs	4 mths	do	do	do	
3334	Nov. 6	21	do	do	do	. . . . .	Unknown	The Friends	10 yrs	11 mths	do	do	do	do
3365	Dec. 11	55	do	do	do	. . . . .	10 months	The Court	10 yrs	10 mths	do	do	do	do
	1850													
3380	Jan. 23	23	Male	Single	Disappointed affection,	. . . . .	6 do	Probate Court	10 yrs	8 mths	do	Improved	do	
3427	April 2	35	Female	Married	Unknown,	. . . . .	5 years	do	10 yrs	6 mths	do	do	do	
3605	Dec. 11	35	Male	Single	do	. . . . .	2 do	The Overseers	9 yrs	9 mths	do	Not improved	do	
3613	do 28	23	Female	do	Fever,	. . . . .	20 do	The Friends	9 yrs	9 mths	do	do	do	
	1851													
3623	Jan. 6	45	do	Married	Unknown,	. . . . .	6 do	The Overseers	9 yrs	8 mths	do	do	do	Periodical.
3795	Aug. 9	44	do	Single	do	. . . . .	5 do	The Friends	9 yrs	1 mth	do	do	do	do
3815	Sept. 12	24	do	do	do	. . . . .	2 weeks	Probate Court	9 yrs	do	do	do	do	do
	1852													
4003	June 7	47	Male	Married	Epilepsy,	. . . . .	12 years	do	7 yrs	6 mths	Died	Epilepsy	do	Periodical.
4125	Oct. 5	30	Female	Widow	Unknown,	. . . . .	Unknown	do	8 yrs	do	Remains	Improved	do	do
	1853													
4328	June 3	23	Male	Single	Masturbation,	. . . . .	3 years	do	7 yrs	4 mths	do	Not improved	do	
4349	do 23	38	Female	Married	Unknown,	. . . . .	2 months	do	7 yrs	3 mths	do	Improved	do	
4395	Sept. 2	39	do	do	do	. . . . .	Unknown	The Overseers	7 yrs	1 mth	do	Not improved	do	
4409	do 20	32	do	do	do	. . . . .	10 months	Probate Court	7 yrs	do	do	do	do	

TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1853											
4414	Sept. 23	23	Female	Married	Unknown,	1 year	Overseers	7 years	Remains	Not improved		Periodical.
4431	Oct. 19	30	do	do	Over exertion,	3 do	Probate Court	7 years	do	do		
	1854											
4493	Jan. 13	63	Male	Widower	Unknown,	20 do	Overseers	6 yrs 8 mths	do	Improved	Hereditary.	
4566	April 13	42	Female	Single	Love affair and religion,	20 do	Probate Court	5 yrs 10 mths	Died			
4570	do 20	38	do	do	Epilepsy,	Unknown	Munic'l Court	6 yrs 4 mths	Transferr'd	Not improved		
4586	do 28	53	do	do	Unknown,	years	Gov. warrant	6 yrs 4 mths	do	Improved		
4613	June 4	35	do	do	Epilepsy,	2 do	Overseers	6 yrs 4 mths	Remains	Not improved		
4629	do 15	40	do	Married	Unknown,	2 do	Probate Court	5 yrs 11 mths	Discharged	Improved		
4650	July 3	66	Male	Widower	Loss of wife,	2 months	do	6 yrs 3 mths	Remains	do		
4684	Aug. 31	45	do	do	Unknown,	11 years	do	6 yrs 1 mth	do	do		
4688	Sept. 2	65	do	Unknown	do	years	Overseers	6 yrs 1 mth	do	Not improved		
4705	do 13	25	Female	Married	do	9 do	Probate Court	6 yrs 1 mth	do	do		
4710	do 28	27	do	Single	do	3 days	do	6 years	do	do		
4721	Oct. 11	43	Male	do	do	3 years	Overseers	5 years	Died	Exhaustion		Periodical.
4727	do 23	34	Female	do	do	years	do	5 yrs 11 mths	Remains	Not improved		do
4741	Nov. 16	23	Male	do	Masturbation,	5 do	do	5 yrs 10 mths	do	do	Hereditary.	
4742	do 18	30	do	do	Unknown,	months	C. C. Pleas	5 yrs 10 mths	do	do		
4746	do 20	42	do	do	do	21 years	Probate Court	5 yrs 10 mths	do	do	do	do
	1855											
4788	Feb. 2	12	do	do	do	Unknown	C. C. Pleas	5 yrs 7 mths	do	Improved		
4794	do 17	45	Female	Married	do	4 years	Probate Court	5 yrs 7 mths	do	do		
4832	April 18	44	Male	Single	Spiritualism,	3 do	do	5 yrs 5 mths	do	do		
4851	May 17	40	do	Married	do	5 do	do	5 yrs 4 mths	do	do		
4854	June 7	19	do	Single	Masturbation,	5 do	Overseers	5 yrs 3 mths	do	Not improved		
4858	do 11	36	Female	do	Unknown,	do	Probate Court	5 yrs 3 mths	do	Improved	Pauper from Ireland.	
4855	do 23	26	Male	Married	do	do	do	5 yrs 3 mths	do	Not improved	do	do
4875	July 10	16	Female	Single	do	6 months	do	5 yrs 2 mths	do	Improved	Hereditary.	
4882	do 27	28	do	do	Ill health,	6 years	do	5 yrs 2 mths	do	do	do	do
4927	Oct. 12	45	do	Widow	Unknown,	Unknown	do	4 yrs 1 mth	Discharged	Not improved	Hereditary.	Periodical.
4936	do 25	50	do	Married	Opium eating,	5 years	do	4 yrs 11 mths	Remains	Improved		
4951	Nov. 23	30	do	do	Unknown,	Unknown	do	4 yrs 2 mths	Discharged	Recovered	Pauper from New York.	
4959	Dec. 4	59	do	do	Puerperal,	weeks	do	4 yrs 9 mths	Remains	Improved		

4963	Dec. 14	24	Male	Single	Masturbation,	2 weeks	Probate Court	4 yrs	9 mths	Remains	Improved	
4971	Jan. 1856	40	Female	Married	Uncontrolled passion,	4 years	do	4 yrs	4 mths	Discharged	do	
4988	Feb. 7	22	do	do	Unknown,	1 year	Overseers	4 yrs	7 mths	Remains	do	
5006	Mar. 7	65	do	Single	Domestic affliction,	2 years	do	4 yrs	6 mths	do	Not improved	Periodical.
5040	April 29	47	do	Married	Religious,	Unknown	Probate Court	4 yrs	5 mths	do	do	
5053	May 17	45	do	Unknown	Unknown,	do	Police Court	4 yrs	4 mths	do	Improved	
5056	do 21	41	do	Married	Jealousy,	do	Police Court	4 yrs	4 mths	do	Marasmus	Pauper from Ireland.
5059	do 22	43	Male	do	Loss of wife,	do	do	3 yrs	5 mths	Died	Not improved	do
5061	do 22	Unk.	Female	do	Unknown,	2 weeks	do	4 yrs	4 mths	Remains	do	Hereditary. Periodical.
5071	June 3	27	do	Single	Disappointment,	Unknown	Probate Court	4 yrs	4 mths	do	Improved	
5097	July 7	23	Male	do	do	2 years	do	4 yrs	3 mths	do	do	
5102	do 16	18	Female	do	Ill health,	6 weeks	Just. P. and Q.	4 yrs	2 mths	do	do	
5129	Aug. 8	69	Male	Widower	Unknown,	30 years	Probate Court	4 yrs	2 mths	do	do	
5124	do 12	48	Female	Single	do	4 do	do	4 yrs	1 mth	do	do	
5137	Sept. 8	46	Male	Married	do	18 months	do	4 yrs	1 mth	do	do	
5142	do 15	60	Female	do	Intemperance,	2 years	do	4 years	do	do	Not improved	
5149	do 25	28	Male	Single	Masturbation,	7 do	Overseers	4 years	do	do	do	
5155	do 29	22	Female	do	do	4 months	Probate Court	4 years	do	do	do	
5157	do 30	20	do	do	do	Unknown	Overseers	4 years	do	do	do	
5158	Oct. 1	36	do	do	do	20 years	Friends	4 years	do	do	Improved	
5169	do 15	44	do	Married	Intemperance,	3 months	Just. P. and Q.	4 years	do	do	do	
5184	Nov. 6	25	do	Single	Masturbation,	1 year	do	3 yrs	11 mths	do	Not improved	
5198	Dec. 3	23	Male	do	Unknown,	3 years	Probate Court	3 yrs	11 mths	do	Improved	
5207	do 13	86	Female	do	Old age,	2 do	do	3 yrs	2 mths	Died	O. d age	
	1857											
5280	Feb. 25	60	Male	Married	Unknown,	4 years	do	3 yrs	4 mths	Died	Epilepsy	
5273	Mar. 19	40	Female	Single	do	4 months	do	2 yrs	8 mths	Discharged	Improved	
5302	April 22	22	do	do	do	15 years	Private Bond	3 yrs	5 mths	Remains	do	
5304	do 25	45	do	Married	do	1 year	Probate Court	3 yrs	5 mths	do	do	
5342	June 9	25	Male	Single	do	Unknown	do	2 yrs	4 mths	Discharged	Not improved	
5372	July 14	23	do	Married	Domestic trouble,	2 weeks	do	3 yrs	2 mths	Remains	Improved	
5377	do 18	80	do	Single	Unknown,	40 years	Private Bond	3 yrs	2 mths	do	do	
5408	Aug. 31	25	Female	do	do	1 week	Probate Court	3 yrs	1 mth	do	do	Pauper from Ireland.
5417	Sept. 19	45	do	do	do	11 years	Private Bond	4 yrs	do	do	do	
5433	Oct. 13	30	Male	do	Masturbation,	Unknown	Overseers	3 years	do	do	do	
5450	do 26	45	do	do	Unknown,	20 years	Probate Court	2 yrs	11 mths	do	do	
5462	Nov. 18	50	do	do	do	years	do	2 yrs	10 mths	do	do	
5476	Dec. 8	40	Female	Married	Religious,	Unknown	do	2 yrs	10 mths	do	do	
5491	do 30	37	Male	do	Unknown,	do	do	2 yrs	1 mth	Transferred	Not improved	Pauper from Scotland.

TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
5530	1858 Mar. 4	49	Female	Single	Unknown,	Unknown	Probate Court	2 yrs 7 mths	Remains	Improved		
5538	do 17	26	do	do	do	2 months	Private Bond	2 yrs 6 mths	do	do		
5547	April 1	45	do	Married	do	1 year	Probate Court	2 yrs 6 mths	do	do		
5553	do 9	30	do	Single	do	6 months	Just. P. and Q.	2 yrs 5 mths	do	do		
5554	do 10	30	do	Married	do	1 year	Probate Court	2 yrs 5 mths	do	do		
5560	do 15	30	Male	Single	Religious,	Unknown	Private Bond	2 yrs 5 mths	do	do		
5581	May 10	24	Female	do	Unknown,	6 years	Munic'l Court	2 yrs 5 mths	do	do		
5584	do 11	40	Male	Married	do	1 year	do	1 yr 11 mths	Discharged	Recovered		
5585	do 12	40	do	do	Religious,	6 years	Probate Court	2 yrs 5 mths	Remains	Improved		
5586	do 13	18	do	Single	Unknown,	2 weeks	Munic'l Court	2 yrs 5 mths	do	do		
5588	do 15	40	Female	Married	do	years	Probate Court	2 yrs 5 mths	do	do		
5593	do 24	47	do	do	do	Unknown	Private Bond	2 yrs 4 mths	do	do		
5595	do 26	35	Male	Single	do	4 months	Munic'l Court	1 yr 8 mths	Discharged	Recovered		
5599	June 3	52	Female	Married	do	8 years	Private Bond	2 yrs 4 mths	Remains	Not improved		
5602	do 9	25	Male	Single	do	4 do	Overseers	2 yrs 4 mths	do	Improved		
5604	do 9	50	Female	Married	do	years	do	2 yrs 4 mths	do	do		
5615	do 21	31	do	do	do	5 days	Private Bond	1 yr 4 mths	Discharged	do		
5617	do 28	55	Male	do	do	6 years	Overseers	1 yr 9 mths	do	do		
5619	do 28	40	Female	Single	do	Unknown	do	2 yrs 3 mths	Remains	do		
5620	do 29	40	Male	Married	do	1 year	Police Court	2 yrs 3 mths	do	do		
5626	July 8	53	do	Single	do	1 week	Overseers	2 yrs 3 mths	do	do		
5630	do 13	23	do	Unknown	do	3 years	Just. P. and Q.	2 yrs 3 mths	do	do		
5633	do 19	63	Female	Single	do	years	Probate Court	2 yrs 2 mths	do	do		
5636	do 21	50	do	do	do	20 do	do	2 yrs 2 mths	do	do		
5652	Aug. 11	45	do	Married	do	Unknown	Police Court	2 yrs 2 mths	do	Not improved		
5655	do 13	35	Male	Single	Hard work,	1 week	Overseers	1 yr 2 mths	Discharged	Recovered		
5658	do 17	25	Female	do	Unknown,	Unknown	Just. P. and Q.	2 yrs 1 mth	Remains	Not improved		
5662	do 25	74	do	Widow	do	2 years	Probate Court	2 yrs 1 mth	do	do		
5663	do 27	58	Male	Married	do	1 year	do	2 yrs 1 mth	do	Improved		
5664	do 28	32	Female	do	do	2 weeks	do	1 yr 9 mths	Discharged	Recovered		
5667	do 30	51	do	Widow	do	2 years	Gov. Order	2 yrs 1 mth	Remains	Not improved		
5669	do 30	45	do	Married	do	years	do	1 yr 10 mths	Discharged	Improved		
5670	do 30	39	do	Single	do	16 do	do	2 yrs 1 mth	Remains	Not improved		

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No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
5764	1858 Sept. 20	44	Female	Married	Unknown,	10 years	Gov. Order	2 years	Remains	Improved	Pauper from Ireland.	
5765	do 20	30	do	Single	do	Unknown	do	2 years	do	Not improved	do	
5767	do 22	63	do	Widow	Epilepsy,	10 years	Private Bond	2 years	do	do		
5772	do 28	48	do	Single	Unknown,	15 do	do	1 yr 9 mths	Died	Inanition		Periodical.
5779	Oct. 6	Unk.	Male	Unknown	do	Unknown	Munic'l Court	2 years	Remains	Improved		
5782	do 21	60	Female	Married	do	3 years	Private Bond	1 yr 11 mths	do	do		
5783	do 21	Unk.	do	do	do	Unknown	Police Court	1 yr 11 mths	Trans.N.H.	do		
5786	do 23	30	do	Single	do	do	Probate Court	1 yr 11 mths	Remains	do		
5789	do 29	55	do	Married	do	2 years	Munic'l Court	1 yr 11 mths	do	do		
5790	do 30	25	Male	Single	do	Unknown	Probate Court	1 yr 11 mths	do	do		
5792	Nov. 1	45	do	Married	Epilepsy,	3 years	Just. P. and Q.	1 yr 3 mths	Trans.N.H.	Not improved	Pauper from Germany.	
5799	do 13	45	do	do	Unknown,	years	Private Bond	1 yr 11 mths	Remains	Improved	Hereditary.	Periodical.
5801	do 17	25	do	Single	do	2 years	do	1 yr 10 mths	do	do		
5803	do 19	50	do	do	do	Unknown	Probate Court	11 months	Discharged	do		
5807	do 30	70	do	Married	Ill health,	3 months	Overseers	10 months	Died	Exhaustion		
5810	Dec. 8	49	do	do	Intemperance,	10 years	Probate Court	1 yr 10 mths	Remains	Improved		
5811	do 14	30	Female	Single	Religious,	15 years	do	1 year	Discharged	Not improved	Hereditary.	
5814	do 18	37	Male	do	Unknown,	3 months	Private Bond	1 yr 9 mths	Remains	Improved		
5816	do 27	23	do	do	do	1 year	Overseers	4 months	Discharged	Improved		
5817	do 30	21	do	do	Fright,	4 years	Probate Court	1 yr 9 mths	Remains	Recovered	Pauper from Germany.	
5819	do 30	23	Female	do	Unknown,	years	do	1 yr 9 mths	do	Improved		
5820	do 31	30	do	do	do	3 months	do	1 yr 4 mths	Discharged	Recovered		
5822	1859 Jan. 3	36	Male	Married	Epilepsy,	2 years	Private Bond	9 months	Died	Epilepsy	Hereditary.	
5823	do 6	25	Female	Single	Unknown,	6 months	Overseers	9 months	Discharged	Recovered	Pauper from England.	
5825	do 11	27	Female	do	do	Unknown	Just. P. and Q.	1 yr 9 mths	Remains	Improved		
5834	Feb. 4	35	Female	Married	Over exertion,	2 weeks	Probate Court	7 months	Died	do		
5836	do 10	20	do	Single	Masturbation,	Unknown	do	1 yr 7 mths	Trans.N.H.	do		
5843	do 21	20	Male	do	Unknown,	do	Munic'l Court	1 yr 5 mths	Discharged	Recovered	Pauper from Ireland.	
5845	do 27	40	do	Married	Domestic affliction,	10 days	Probate Court	1 yr 2 mths	Remains	Improved	Paup. from Eng. Period.	
5846	do 28	23	do	Single	Unknown,	5 months	do	1 yr 2 mths	Discharged	Recovered		
5847	Mar. 3	35	Female	do	Ill health,	5 do	Private Bond	1 yr 7 mths	Remains	Improved		
5850	do 14	38	do	Married	Unfortunate marriage,	6 weeks	Probate Court	1 yr 7 mths	do	do		

Case No.	Date	Sex	Marital Status	Intemperance	Duration	Court	Trans. N. H.	Improvement	Notes
5852	Mar. 22	Female	Single	Intemperance,	3 weeks	Munic'l Court	1 yr 6 mths	Improved	
5854	do 23	do	do	Unknown,	1 month	Probate Court	3 months	Recovered	
5856	do 25	Male	Unknown	do	2 years	do	1 yr 6 mths	Improved	
5857	do 28	do	Single	do	do	Overseers	1 yr 1 mth	Recovered	
5859	do 30	do	do	do	6 months	Probate Court	1 yr 6 mths	Improved	
5862	April 2	Female	Married	do	5 years	do	1 yr 6 mths	do	Hereditary.
5864	do 5	Male	Single	do	2 do	Just. P. and Q.	1 year	Recovered	Pauper from England.
5865	do 6	do	Married	do	1 do	Probate Court	9 months	Improved	
5866	do 8	do	do	do	6 do	Overseers	1 yr 6 mths	do	
5869	do 9	do	do	do	7 do	Probate Court	7 months	Recovered	
5871	do 13	Female	do	do	2 do	do	9 months	do	Hereditary.
5872	do 13	do	do	do	1 do	Overseers	11 months	do	
5873	do 16	Female	Married	Epilepsy,	7 do	Probate Court	1 yr 2 mths	Improved	
5874	do 18	Male	Single	Masturbation,	6 month	Overseers	11 months	Recovered	
5875	do 18	Female	Married	Unknown,	1 do	Probate Court	1 yr 5 mths	Improved	
5878	do 18	do	do	Teaching,	2 years	do	1 year	do	do
5880	do 19	Male	do	Epilepsy,	1 do	Private Bond	1 yr 5 mths	do	
5881	do 20	Female	Married	Domestic affliction,	5 do	Probate Court	1 yr 5 mths	do	
5882	do 22	Male	Single	Unknown,	8 do	Police Court	11 months	Recovered	
5883	May 3	Female	Widow	do	1 month	Munic'l Court	1 yr 5 mths	Improved	
5884	do 4	do	do	do	2 months	Probate Court	9 months	Recovered	
5887	do 7	Male	Unknown	do	Unknown	Police Court	11 months	do	
5888	do 16	Female	Single	do	3 weeks	Just. P. and Q.	1 yr 5 mths	Improved	Periodical.
5892	do 21	do	Married	do	1 year	Police Court	1 yr 4 mths	do	Pauper from Ireland.
5894	do 23	do	Widow	do	3 weeks	Munic'l Court	11 months	Recovered	
5897	do 27	Male	Single	do	30 years	Private Bond	10 months	Improved	
5898	do 28	do	do	Prison confinement,	3 months	Probate Court	1 yr 4 mths	do	Homicidal.
5900	June 2	Female	do	Death of father,	10 years	do	4 months	Exhaustion	
5902	do 3	Male	Married	Unknown,	10 months	Overseers	1 yr 4 mths	Not improved	
5903	do 4	do	do	do	10 years	Private Bond	1 yr 4 mths	do	
5904	do 8	Female	Single	do	2 weeks	do	5 months	Recovered	Hereditary.
5906	do 10	do	Unknown	Turn of life,	4 years	Police Court	11 months	Palsy	do
5907	do 10	Male	Married	Unknown,	5 do	Probate Court	1 yr 4 mths	Not improved	do
5908	do 10	Female	Single	do	2 do	do	1 yr 4 mths	Improved	do
5909	do 11	Female	do	do	2 do	do	1 yr 4 mths	do	
5910	do 13	Female	do	do	2 do	do	1 yr 4 mths	Recovered	Periodical.
5912	do 13	do	Widow	do	1 week	Police Court	10 months	Improved	
5913	do 17	Male	Single	do	4 years	Probate Court	1 yr 4 mths	do	
5914	do 18	do	do	Epilepsy,	14 do	do	1 yr 3 mths	Not improved	Homicidal.
5915	do 19	Female	Married	Turn of life,	1 year	Private Bond	4 months	Recovered	

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5919	1859 June 25	30	Male	Single	Unknown,	20 years	Overseers	1 yr 3 mths	Remains	Not improved	Hereditary.	
5920	do do 29	35	Female	do	do	7 weeks	Police Court	4 months	Discharged	Recovered	do	
5921	July 5	36	Male	Married	do	9 months	Probate Court	10 months	do	do		
5922	do do 5	65	do	do	do	6 weeks	do	4 months	do	do		
5923	do do 7	35	Female	do	Ill health,	3 months	do	1 yr 3 mths	Remains	Improved		
5924	do do 7	35	do	Widow	Unknown,	3 years	Private Bond	1 yr 3 mths	do	do		
5926	do do 11	35	Male	Married	do	3 weeks	Just. P. and Q.	10 months	Discharged	Recovered	Pauper from Ireland.	
5927	do do 13	45	Female	do	do	3 do	Overseers	6 months	do	do		
5930	do do 17	18	do	Single	Fear,	4 months	do	3 months	do	do	Hereditary.	
5931	do do 17	53	do	Widow	Injury of head,	2 weeks	Private Bond	3 months	do	do		
5932	do do 19	34	Male	Widower	Unknown,	3 months	Probate Court	5 months	do	do		
5933	do do 19	27	do	Single	do	3 years	do	1 yr 2 mths	Remains	Not improved	do	Homicidal.
5934	do do 20	27	do	do	do	8 do	Overseers	6 months	Died			
5935	do do 20	28	do	do	Religious,	2 weeks	Just. P. and Q.	10 months	Discharged	Recovered	Pauper from Ireland.	
5936	do do 21	24	Female	do	Love affair,	3 months	Probate Court	10 months	do	do		
5938	do do 26	48	do	Married	Unknown,	20 years	do	3 months	do	do	Suicidal.	
5939	do do 26	22	Male	Single	do	6 weeks	Overseers	9 months	do	do		
5940	do do 27	38	do	Married	do	3 do	Probate Court	1 year	Died	Phthisis	Hereditary.	
5942	do do 27	15	Female	Single	Injury of head,	2 months	do	6 months	Discharged	Recovered	do	
5943	do do 28	30	Male	do	Epilepsy,	10 years	do	8 months	do	Improved		
5944	Aug. 1	23	Female	do	do	24 do	do	1 yr 2 mths	Remains	Not improved		
5946	do do 1	25	Male	do	Injury of head,	2 months	do	2 months	Discharged	Recovered		
5947	do do 2	57	Female	Married	Unknown,	1 week	do	6 months	do	do	Suicidal.	
5948	do do 5	45	do	Widow	do	1 year	Police Court	1 yr 2 mths	Remains	Improved		
5949	do do 10	25	do	Single	Religious,	2 weeks	do	1 yr 2 mths	do	do		
5950	do do 12	35	Male	do	Pecuniary,	3 years	Probate Court	1 yr 2 mths	do	do		
5951	do do 12	13	do	do	Epilepsy,	1 year	do	1 yr 2 mths	do	do		
5952	do do 13	28	do	Married	Unknown,	5 weeks	do	1 year	Discharged	Improved	Hereditary.	Pauper from England.
5953	do do 13	35	Female	do	Jealousy,	weeks	do	3 months	do	do	Heredit'y. Paup. from Ire'd	
5954	do do 15	29	Male	do	Intemperance,	3 months	do	1 yr 2 mths	Remains	Improved	Pauper from Ireland.	
5956	do do 17	40	Female	Single	Unknown,	8 years	Private Bond	13 months	do	do		
5957	do do 18	61	do	do	do	5 weeks	Probate Court	11 months	Discharged	Recovered		
5958	do do 23	26	Male	do	Masturbation,	Unknown	Superior Court	2 months	do	Improved		

5960	Aug. 26	31	Male	Single	Unknown,	3 months	Probate Court	5 months	Trans. N. H.	Improved	
5961	do 26	38	Female	Married	Domestic affliction,	2 years	Private Bond	5 months	Discharged	do	
5962	do 28	43	do	do	Abuse of husband,	2 months	Probate Court	13 months	Remains	do	
5963	Sept. 6	34	do	do	Paralysis,	8 years	Private Bond	8 months	Discharged	Recovered	
5964	do 7	63	Male	do	Loss of property,	2 do	Overseers	13 months	Remains	Improved	Hereditary.
5965	do 9	80	do	Widower	Unknown,	15 do	Private Bond	7 months	Died	Old Age	
5966	do 10	25	Female	Married	Ill health,	3 months	Police Court	5 months	Discharged	Recovered	do
5967	do 13	23	do	Single	Unknown,	2 months	Private Bond	1 month	do	Improved	
5968	do 13	23	do	Married	Fever,	9 weeks	do	7 months	do	Recovered	
5969	do 14	38	Male	do	Religious excitement,	10 days	Probate Court	1 month	do	do	
5971	do 17	43	Female	Widow	Intemperance,	2 months	Police Court	1 year	Trans. N. H.	Improved	Pauper from Ireland.
5972	do 19	30	do	Single	Unknown,	16 years	do	6 months	Discharged	Recovered	
5973	do 21	36	do	Married	do	2 months	Private Bond	3 months	do	do	
5974	do 28	40	do	do	do	1 year	do	8 months	do	do	
5975	do 29	35	Male	do	do	Unknown	Police Court	2 months	do	do	Pauper from Ireland.
5976	do 30	33	Female	Single	Ill health,	6 months	do	1 year	Remains	Not improved	do
5977	Oct. 3	47	Male	Married	Unknown,	2 weeks	Probate Court	1 year	do	do	
5978	do 4	41	Female	do	do	Unknown	Private Bond	5 months	Discharged	Improved	Hereditary.
5979	do 4	30	Male	Unknown	do	do	Superior Court	1 year	Remains	do	
5980	do 7	35	do	do	do	3 days	Probate Court	1½ months	Discharged	Recovered	
5981	do 11	49	do	Married	Brain Fever,	4 months	do	4 months	Discharged	Recovered	
5982	do 13	20	do	Single	Religious excitement,	2 weeks	do	6 months	Trans. N. H.	Improved	
5983	do 18	20	Female	do	Uterine difficulty,	1 year	do	11 months	Discharged	Recovered	
5984	do 27	40	do	Married	Ill health,	10 days	do	1 month	Remains	Not improved	
5985	do 28	43	do	do	do	1 week	Superior Court	2 weeks	Discharged	Recovered	do
5986	do 28	22	do	Single	General debility,	3 weeks	Probate Court	11 months	Remains	Improved	
5987	Nov. 1	40	Male	Married	Unknown,	Unknown	Private Bond	8 months	Discharged	Recovered	do
5988	do 1	45	Female	Single	do	3 months	do	7 months	do	do	Periodical.
5989	do 3	59	do	Widow	do	10 weeks	do	5½ months	do	do	
5990	do 6	40	Male	Single	Death of husband,	6 months	Overseers	6 months	Died	Varicella	do
5991	do 7	44	Female	Married	Unknown,	10 weeks	Private Bond	3 months	Discharged	Recovered	do
5992	do 10	62	do	Widow	do	8 days	Probate Court	7 months	Died	Exhaustion	do
5993	do 12	42	Male	Married	Fever,	21 years	Private Bond	7 months	Discharged	Improved	
5994	do 12	23	do	Single	Unknown,	1 week	Just. Quorum	11 months	Remains	do	do
5995	do 12	22	do	do	Religious,	2 do	Overseers	8 months	Discharged	Recovered	
5996	do 14	30	Female	Married	Masturbation,	3 months	Just. P. and Q	11 months	Remains	Improved	
5997	do 15	35	Male	Single	Trouble,	2 do	Superior Court	2½ months	Discharged	Recovered	
5998	do 15	26	do	do	Intemperance,	3 weeks	Police Court	10 months	Remains	Improved	
5999	do 19	50	do	do	Unknown,	2 months	Probate Court	10 months	do	do	
6000	do 21	40	do	Married	do	4 do	Police Court	1 month	Discharged	Recovered	

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No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
1859												
6001	Nov. 21	52	Female	Widow	Care and anxiety,	3 months	Probate Court	2 months	Died	Improved	Hereditary.	
6002	do 24	30	Male	Unknown	Unknown,	Unknown	Just. P. and Q.	2½ months	Trans. N. H.	do		
6003	do 29	59	do	Married	Fits,	3 years	Probate Court	10 months	Remains	do		
6004	Dec. 3	35	Female	do	Unknown,	1 month	do	10 months	do	do		
6005	do 6	30	do	Single	do	6 months	do	10 months	Discharged	Recovered		
6006	do 6	60	do	Widow	Death of husband,	3 do	do	5½ months	Remains	Not improved		
6007	do 8	29	do	Single	Fever,	10 years	do	10 months	Discharged	Recovered		
6008	do 8	47	Male	Married	Congenital,	40 do	do	6½ months	Discharged	Not improved		
6009	do 9	46	Female	do	Domestic trouble,	4 do	Private Bond	6 months	do	Improved	do	Periodical.
6010	do 9	45	Male	Widower	Intemperance,	1 week	Probate Court	4 months	do	Recovered	do	
6011	do 12	28	do	Single	Epilepsy,	6 years	do	10 months	Remains	Not improved		do
6012	do 16	31	do	do	Intemperance,	Few days	do	8 days	Died	Mani' l Exh'n		
6013	do 23	32	Female	Married	Unknown,	6 weeks	Just. P. and Q.	8½ months	Trans. N. H.	Improved		
6014	do 26	42	Male	do	Sun stroke,	7 years	Probate Court	2 months	Discharged	do		
6015	do 27	32	Female	do	Intemperance,	8 days	do	6½ months	do	Recovered		
6016	do 31	40	Male	Single	do	Unknown	Sup. Court	3 months	do	do		
1860												
6017	Jan. 2	21	do	do	Masturbation,	3 weeks	Probate Court	9 months	Remains	Improved		
6018	do 4	27	do	do	Hard study,	2 years	Private Bond	9 months	do	do		
6019	do 7	20	do	do	Unknown,	Unknown	do	4 months	Discharged	Recovered		
6020	do 13	45	Female	do	do	do	Probate Court	9 months	Remains	Not improved	do	
6021	do 14	50	do	Widow	Death of husband,	1 year	do	4 months	Discharged	Recovered		
6022	do 20	36	Male	Single	Loss of property,	3 years	do	8 months	Remains	Not improved		
6023	do 20	38	do	Married	Fever,	1 year	Private Bond	8 months	do	do	do	do
6024	do 20	40	Female	Single	Unknown,	15 years	do	8 months	do	do	do	do
6025	do 21	23	Male	Married	do	3 months	Probate Court	8 months	do	Improved	do	do
6026	do 21	30	do	Single	Fever,	6 do	Police Court	7 months	Discharged	Recovered	do	do
6027	do 24	40	Female	Married	Ill health,	2 years	Private Bond	6 months	do	Not improved	do	do
6028	do 24	35	Male	Single	Unknown,	years	Probate Court	7 months	do	Improved	do	do
6029	do 25	25	Female	do	Epilepsy,	2 do	Just. P. and Q.	6 months	Trans. N. H.	Not improved		do
6030	do 30	60	Male	Married	Unknown,	years	Private Bond	8 months	Remains	Improved		
6031	Feb. 1	15	do	Single	Epilepsy,	3 do	Probate Court	8 months	do	Not improved		
6032	do 1	32	Female	Married	Child birth,	10 weeks	do	1½ months	Died	Phthisis		

6033	Feb.	1	27	Male	Single	Unknown,	2 weeks	Probate Court	8 months	Remains	Not improved	
6034	do	1	18	Female	do	do	Unknown	do	8 months	do	do	
6035	do	4	26	Female	do	do	3 years	Private Bond	8 months	do	do	
6036	do	6	45	do	do	do	6 months	Probate Court	3 months	Discharged	Recovered	
6037	do	8	40	do	Married	do	Unknown	Sup. Court	7½ months	do	do	Periodical.
6038	do	10	44	do	Widow	Epilepsy,	6 months	Probate Court	8 months	Remains	Not improved	
6039	do	14	43	Male	Married	Religious,	3 years	do	8 months	do	do	
6040	do	17	50	Female	Widow	Nervousness,	7 years	do	2½ months	Discharged	Recovered	
6041	do	18	47	do	Single	Unknown,	1 year	Private Bond	7 months	do	do	
6042	do	22	88	do	Widow	Old age,	3 days	do	7 months	do	do	
6043	do	22	*50	do	Single	Unknown,	1 year	do	7 months	do	do	Hereditary.
6044	do	24	40	do	Married	do	15 years	do	3 months	Discharged	Improved	do
6045	do	24	47	Male	do	do	2 months	Sup. Court	1½ months	do	do	do and Suicidal.
6046	do	24	43	Female	do	Ill health,	3 years	Overseers	7 months	do	do	
6047	do	25	25	Male	Single	Masturbation,	3 do	Private Bond	7 months	Remains	Not improved	
6048	do	25	43	Female	do	Unknown,	3 do	do	7 months	do	do	Suicidal.
6049	do	25	40	do	do	do	6 do	do	7 months	do	do	
6050	do	27	46	do	Married	do	2 months	Probate Court	7 months	Discharged	Improved	
6051	do	27	20	do	Single	do	6 do	do	7 months	Remains	Recovered	
6052	do	29	66	Male	Married	Opium eating,	4 do	do	4 months	Discharged	Recovered	
6053	Mar.	2	59	do	do	Unknown,	6 weeks	do	1 month	do	do	
6054	do	3	40	Female	do	Pecuniary,	Unknown	Police Court	5 months	do	do	
6055	do	3	27	do	Single	Unknown,	3 years	Overseers	1 month	do	do	
6056	do	4	22	Male	do	Disappointment,	7 do	Private Bond	4 days	do	do	Homicidal.
6057	do	6	37	Female	Married	Ill health,	Unknown	Probate Court	7 months	Remains	Not improved	
6058	do	7	30	Male	Unknown	Unknown,	1 week	Overseers	7 months	do	do	
6059	do	12	44	do	Married	Epilepsy,	6 weeks	Private Bond	3 months	Discharged	Recovered	
6060	do	15	67	Female	do	Unknown,	1 month	Sup. Court	5½ months	Trans.N.H.	Not improved	do
6061	do	15	19	do	Single	Intemperance,	Few days	Probate Court	6 months	Remains	do	
6062	do	17	33	do	do	do	1 month	Police Court	4½ months	Discharged	Recovered	
6063	do	20	40	Male	Married	do	Unknown	Probate Court	13 days	do	do	
6064	do	21	Unk.	Female	do	do	4 months	do	6 months	Remains	Improved	Suicidal and Periodical.
6065	do	21	48	Male	do	Intemperance,	3 years	Overseers	2 months	Discharged	Recovered	
6066	do	22	41	do	do	do	3 do	Probate Court	6 months	Remains	Not improved	do
6067	do	24	30	Female	do	Injury by falling,	Unknown	Private Bond	9 days	Discharged	Recovered	
6068	do	29	Unk	Male	Unknown	Unknown,	4 weeks	Sup. Court	6 months	Remains	Improved	
6069	do	31	40	Female	Married	Miscarriage,	10 years	Overseers	24 days	Discharged	Recovered	do
6070	April	2	29	Male	Single	Unknown,	2 weeks	Probate Court	6 months	do	do	Hereditary.
6071	do	4	30	do	Married	Intemperance,	4 months	Private Bond	2½ months	do	do	Suicidal.
6072	do	7	40	do	do	Unknown,						

TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1860											
6073	April 9	30	Male	Married	Jealousy,	2 months	Probate Court	6 months	Remains	Improved	Hereditary.	
6074	do 10	25	Female	do	Measles,	1 year	do	6 months	do	Not improved		
6075	do 10	30	Male	Single	Unknown,	3 months	Sup. Court	5½ months	Discharged	Improved		
6076	do 11	41	Female	Married	Jealousy,	6 weeks	Private Bond	6 months	Remains	do	do	
6077	do 11	28	do	Single	Brain fever,	8 years	Probate Court	6 months	do	Not improved		
6078	do 13	23	do	Married	Unknown,	4 days	Just. P. and Q.	29 days	Discharged	Recovered		
6079	do 17	35	Male	Single	Injury of head,	1 year	Probate Court	5 months	Remains	Improved		
6080	do 23	32	do	Married	Unknown,	4 weeks	do	5 months	Discharged	Recovered		
6081	do 23	53	do	do	do	1 week	Police Court	5 months	Remains	Not improved	Suicidal.	
6082	do 23	26	do	Single	Rheumatic fever,	7 weeks	Probate Court	5 months	do	do		
6083	do 24	23	do	do	Unknown,	9 months	Probate Court	5 months	do	do		
6084	do 26	17	Female	do	Masturbation,	2 months	Private Bond	3½ months	Discharged	Recovered		
6085	do 26	44	do	Widow	Unknown,	Unknown	Police Court	5 months	Remains	Not improved		
6086	do 27	40	do	Married	Religious,	7 weeks	Probate Court	2 months	Discharged	Recovered	Hereditary and Periodical.	
6087	do 30	52	do	Widow	Pecuniary,	8 do	do	5 months	Remains	Not improved	do	
6088	May 2	35	do	Single	Turn of life,	1 year	do	5 months	do	do	Suicidal.	
6089	do 3	40	Male	do	Unknown,	10 years	do	5 months	do	do	do	
6090	do 3	23	do	Married	do	2 months	do	5 months	do	do	do	
6091	do 5	26	Female	Single	do	Unknown	do	5 months	do	do	do	
6092	do 8	28	do	Married	Over excitement,	5 years	do	23 days	Discharged	Recovered	do	
6093	do 9	35	do	do	Unknown,	2 do	Police Court	5 months	Remains	Not improved	do	
6094	do 10	30	do	do	do	Unknown	Probate Court	5 months	do	do	do	
6095	do 11	28	Male	do	do	18 months	do	5 months	do	do	do	
6096	do 11	36	do	do	Drugged liquors,	4 weeks	do	5 months	do	do	do	
6097	do 12	49	Female	do	Unknown,	years	Private Bond	5 months	do	Improved	do	
6098	do 14	35	Male	do	Epilepsy,	6 weeks	Overseers	5 months	do	Not improved	do	
6099	do 15	26	Female	Single	Unknown,	2 do	Probate Court	5 months	do	Improved	do	
6100	do 15	17	Male	do	do	2 years	Private Bond	5 months	Discharged	do	Hereditary.	
6101	do 18	40	do	Married	do	3 do	Overseers	25 days	do	Recovered	do	
6102	do 19	50	do	do	Ill health,	2 weeks	do	1½ months	do	do	do	
6103	do 23	37	Female	do	Unknown,	6 months	Just. P. and Q.	4 months	Remains	Improved	do	
6104	do 24	30	Male	Single	do	6 do	Private Bond	3 months	Discharged	do	do	
6105	do 24	48	Female	Married	Domestic trouble,	6 do	Overseers	4 months	Remains	do	do	

6106	May	25	16	Male	Single	Unknown,	6 weeks	Probate Court	4 months	Remains Discharged	Improved Recovered	
6107	do	26	29	do	Married	Sickness,	3 do	Private Bond	2 months	do	do	
6108	do	26	27	Female	do	Intemperance,	1 year	Probate Court	27 days	do	Not improved	Hereditary.
6109	do	30	42	do	do	Turn of life,	7 months	Private Bond	1 month	Remains	Improved	Homicidal.
6110	do	30	50	Male	do	Injury of head,	3 years	Probate Court	4 months	do	Not improved	Hereditary.
6111	June	2	59	Female	Widow	Paralysis,	4 months	do	4 months	do	Improved	do
6112	do	4	28	Male	Single	Business disappointm't,	6 weeks	do	4 months	do	Not improved	Suicidal.
6113	do	6	30	Female	Married	Fright,	2 months	do	4 months	do	do	do
6114	do	7	30	do	do	Unknown,	2 years	do	4 months	do	Improved	do
6115	do	8	27	Male	Single	do	1 week	do	4 months	do	do	Hereditary.
6116	do	9	45	Female	Married	Ill health,	2 weeks	do	2½ months	Discharged	Recovered	do
6117	do	9	52	do	do	Turn of life,	10 do	do	4 months	Remains	Improved	do
6118	do	9	32	Male	do	Injury of head,	1 week	do	2 months	do	do	do
6119	do	11	28	do	Single	Unknown,	10 months	do	4 months	Remains	Not improved	Suicidal.
6120	do	12	39	Female	Married	Ill health and opium,	1 year	do	25 days	Discharged	Recovered	do
6121	do	12	25	Male	Single	Religious,	6 weeks	do	4 months	Remains	Not improved	do
6122	do	13	51	do	do	do	19 years	Private Bond	1½ months	Discharged	Improved	do
6123	do	14	25	Female	do	do	1 year	Probate Court	4 months	Remains	do	do
6124	do	18	21	Male	do	Masturbation,	6 months	Sup. Court	3 months	do	do	do
6125	do	20	48	do	Married	Intemperance,	1 month	do	3 months	do	do	do
6126	do	20	50	Female	Widow	do	6 weeks	Probate Court	3 months	do	do	do
6127	do	21	55	Male	Married	Unknown,	3 months	do	2½ months	Discharged	do	do
6128	do	25	63	Female	Widow	Ill health and old age,	6 do	do	3 months	Remains	do	do
6129	do	27	23	do	Single	Ill health,	2 weeks	do	3 months	Discharged	Recovered	do
6130	do	27	26	Male	do	Unknown,	2 months	do	3 months	Remains	Improved	do
6131	do	28	35	do	Married	Injury in childhood,	4 days	Overseers	2 months	Discharged	Recovered	do
6132	do	28	34	Female	Widow	Unknown,	Unknown	Sup. Court	3 months	do	do	do
6133	do	28	45	do	do	Injury of head,	2 years	Probate Court	3 months	Remains	Net improved	do
6134	do	30	45	do	Married	do	1 week	do	3 months	do	Improved	do
6135	July	3	35	Male	Widower	Unknown,	Unknown	do	1½ months	Discharged	Recovered	Hereditary.
6136	do	3	35	do	Unknown	do	do	Sup. Court	10 days	do	do	do
6137	do	7	46	Female	Married	Ill health,	3 years	Probate Court	3 months	Remains	Improved	do
6138	do	10	17	do	Single	Irregular menses,	10 days	do	3 months	do	do	do
6139	do	11	31	do	do	Unknown,	6 weeks	do	3 months	do	do	do
6140	do	14	45	do	Married	do	3 years	Private Bond	3 months	do	Not improved	do
6141	do	14	22	do	Single	do	2 weeks	Probate Court	3 months	do	Improved	do
6142	do	18	16	do	do	do	2 months	do	2 months	do	do	Suicidal.
6143	do	20	65	do	Married	do	years	Private Bond	27 days	Discharged	Recovered	do
6144	do	20	18	Male	Single	Masturbation,	2 years	Overseers	2 months	Remains	Not improved	do
6145	do	21	Unk.	do	Unknown	Unknown,	Unknown	Probate Court	2 months	Discharged	Recovered	do

TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in the Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
1869												
6146	July 21	22	Male	Single	Masturbation,	1 year	Private Bond	2 months	Remains	Not improved		
6147	do 23	Unk.	Female	do	Unknown,	Unknown	Probate Court	2 months	do	do		
6148	do 24	do	Male	Unknown	do	do	do	2 months	do	Improved		
6149	do 26	87	do	Married	Old age,	4 months	do	2 months	do	Not improved		Periodical.
6150	do 30	30	do	Single	Masturbation,	5 do	Private Bond	2 months	do	Improved		
6151	do 30	30	do	Married	Intemperance,	4 days	Probate Court	2 months	Discharged	Recovered		
6152	do 30	40	Female	do	Unknown,	Unknown	do	16 days	Remains	Not improved	Suicidal.	
6153	Aug. 3	20	do	Single	Religious,	1 month	do	2 months	do	Improved		
6154	do 3	18	do	do	Unknown,	Unknown	Sup. Court	2 months	do	do		
6155	do 3	47	Male	Married	do	2 years	Probate Court	2 months	do	Not improved		
6156	do 3	37	do	Single	do	6 weeks	Sup. Court	2 months	do	do		
6157	do 4	47	Female	do	do	3 months	Probate Court	2 months	do	Improved		
6158	do 4	35	do	Widow	do	Unknown	do	2 months	do	do		
6159	do 6	45	Male	Married	Intemperance,	Unknown	do	1 month	Discharged	Recovered		
6160	do 9	18	Female	Single	Ill health,	2 weeks	do	2 months	Remains	Not improved		
6161	do 9	34	Male	Married	Homesick,	1 week	do	1½ months	Discharged	Recovered		
6162	do 9	35	Female	do	Unknown,	Unknown	do	2 months	Remains	Improved		
6163	do 14	21	Male	Single	Masturbation,	6 months	do	2 months	do	Not improved		
6164	do 14	23	Female	Married	Ill health,	6 weeks	Private Bond	1 month	Discharged	Improved	Hereditary and	do
6165	do 17	39	do	do	Unknown,	3 years	Police Court	1 month	Remains	do	do	do
6166	do 17	60	do	Single	Ill health,	6 weeks	Probate Court	1 month	do	do	do	do
6167	do 21	30	Male	do	Unknown,	Unknown	do	14 days	Discharged	Recovered	Suicidal.	
6168	do 21	30	Female	Married	do	8 years	do	1 month	Remains	Improved		do
6169	do 24	22	do	do	Childbirth,	2 weeks	do	21 days	Discharged	do	Hereditary.	do
6170	do 28	41	do	do	Unknown,	3 years	do	1 month	Remains	do	Suicidal and	do
6171	do 29	23	do	do	do	4 months	do	1 month	do	do		do
6172	do 30	17.	Male	Single	Sickness,	1 week	Private Bond	1 month	do	do		
6173	do 30	25	do	do	Epilepsy,	18 months	Overseers	1 month	do	Not improved		
6174	do 30	39	do	Married	Unknown,	weeks	Probate Court	15 days	Discharged	Recovered		
6175	Sept. 3	84	do	do	Old age,	Unknown	Private Bond	21 days	do	Not improved		
6176	do 7	49	Female	do	Unknown,	17 years	Overseers	1 month	Remains	do		
6177	do 8	35	do	do	Intemperance,	1 week	Probate Court	21 days	Discharged	Recovered	do	
6178	do 8	30	do	do	Unknown,	1 year	do	1 month	Remains	Not improved		

6179	Sept.	8	38	Male	Single	Ill treatment at sea,	2 months	Probate Court	22 days	Remains	Not improved	Periodical.
6180	do	10	38	Female	Widow	Unknown, . . .	20 years	do	20 days	do	Improved	
6181	do	10	45	Male	Single	Masturbation, . . .	4 do	do	20 days	do	Not improved	
6182	do	11	23	Female	do	Opium eating, . . .	3 months	do	19 days	do	Improved	
6183	do	11	21	do	do	Unknown, . . .	10 do	Overseers	19 days	do	Not improved	
6184	do	12	60	Male	Married	Epilepsy, . . .	8 do	Probate Court	18 days	do	do	
6185	do	18	41	Female	do	Unknown, . . .	2 weeks	do	12 days	do	do	
6186	do	18	53	Male	do	Hard work & exposure,	7 months	Private Bond	12 days	do	Improved	Hereditary and Suicidal.
6187	do	18	51	do	do	Scrofula, . . .	years	Probate Court	12 days	do	Not improved	
6188	do	19	29	do	Single	Intemperance, . . .	2 weeks	Sup. Court	11 days	do	do	
6189	do	22	31	Female	do	Unknown, . . .	7 years	Probate Court	8 days	do	do	
6190	do	22	22	do	Married	do . . .	1 week	do	8 days	do	Improved	
6191	do	28	46	Male	do	Intemperance, . . .	1 month	do	2 days	do	do	

In conducting the affairs of the Hospital during the year, every effort has been made to provide labor for such of the patients as could be induced to engage in it. By an accurate account kept of every day's labor performed by the inmates of the hospital it has been found that five thousand seven hundred and thirty-two days' work have been done by males, and nine thousand five hundred and fifty-two by females. These are full day's work performed by the patients in the various departments of labor connected with the establishment. Beside this, there is a great amount of light labor performed by patients in and about the wards, dormitories, and dining-rooms, which cannot be taken into the account, because it is engaged in only at short intervals. Many of the females make and repair their own clothing, and also a part of the clothing worn by their children at home.

In this connection it may be proper to add; that by some alterations now going on in the buildings of the hospital, we hope soon to open three large, light and cheerful rooms, as work rooms for females, and by changing the occupation of a detached building, to fit up for the males, in addition to our present carpenter's and joiner's shop two large and convenient rooms, in which the various kinds of labor suited to the capacity of the patients may be performed.

There will of course be difficulty in procuring labor to any very great extent in a hospital for the insane. Every facility, however, should be afforded, every advantage taken of any desire to engage in active employment, and every inducement offered to enlist a hearty co-operation on the part of the insane.

But all labor should be made cheerful and pleasant. The overburdened and weakened should not be taxed by long-continued attention. Neither should an individual be compelled to work on the farm who can find no amusement or comfort even, except in some mechanical pursuit. Every kind of work should be so divided that it may be easily and well done: and every task should be so allotted that it may gratify the tastes of every individual.

Thus all might be employed, and all governed by one common impulse of activity and enjoyment. Thus might be seen in operation every trade, and every species of labor. There might also be every grade of employment; reading, music, embroidery; displays of taste and skill in ornamental productions; walking,

riding and driving ; all the games which ingenuity could devise and every kind of pastime which an eager desire for the welfare of the insane could dictate ; the varied pursuits of horticulture and agriculture, the unceasing sound of domestic labors,—every department filled with busy workers, without compulsion, and without remuneration other than that of escaping the pains of idleness and disease.

The following tables show some of the results of labor performed by patients.

Articles made in the sewing-room in the course of the year :

Bed Spreads,	134	Frocks,	34
Bed Ticks,	225	Trousers, pairs of,	98
Sheets,	489	Overalls, pairs of,	51
Pillow Cases,	419	Vests,	47
Pillows,	41	Hose, pairs of,	53
Shirts,	334	Mittens, pairs of,	63
Chemises,	351	Knit Edging, yards of,	340
Drawers, pairs of,	54	Carpets,	4
Night Dresses,	34	Table Covers,	17
Night Caps,	16	Window Curtains,	105
Skirts,	235	Napkins,	72
Skirts embroidered,	13	Towels,	378
Dresses,	217	Coats,	27
Comforters,	18	Jackets,	14
Valances,	19	Aprons,	27

Articles repaired in the sewing-room, in the course of the year :

Shirts,	1,792	Skirts,	137
Trousers,	1,704	Hose, pairs of,	712
Coats,	312	Dresses,	1,631
Vests,	428	Chemises,	1,720
Bed Ticks,	492	Overalls,	33
Bed Spreads,	308	Jackets,	17
Sheets,	713	Frocks,	19

Products of the Farm.

Apples,	100 barrels,	at \$1 50—	\$150 00
Pears,	30 bushels,	at 2 00	60 00
Cherries,	20 “	at 2 00	40 00
Grapes,	4 “	at 3 00	12 00
Tomatoes,	100 “	at 75	75 00
Sweet Corn,	50 “	at 1 00	50 00
Beans,	50 “	at 2 00	100 00
Peas,	40 “	at 2 00	80 00
Parsnips,	150 “	at 50	75 00
Turnips,	500 “	at 20	100 00
Potatoes,	700 “	at 50	350 00
Beets,	600 “	at 20	120 00
Carrots,	1,150 “	at 20	230 00
Cabbages,	300 heads,	at 06	18 00
Squashes,	8 tons,	at 30 00	240 00
Peppers,	20 bushels,	at 20	4 00
Cucumbers,	40 “	at 20	8 00
Rhubarb,	2,500 pounds,	at 02	50 00
Hay,	80 tons,	at 15 00	1,200 00
Rowen,	10 “	at 15 00	150 00
Corn Fodder,	30 “	at 4 00	120 00
Milk,	40,000 quarts,	at 04	1,600 00
Beef,	8,000 pounds,	at 08	640 00
Pork,	7,500 “	at 10	750 00
			\$6,072 00

Amusement is closely allied to labor, and forms an important, and by no means an easy part of the general care and treatment of the insane. Especially is this the case in a hospital open to all classes of society, and admitting patients afflicted with every grade of mental disease. Nearly all the males can take part in, and enjoy out-of-door games and gymnastic exercises. But the mental difference produced by education, social position, habits of life, and by the grade and severity of disease, form the patients in every hospital for the insane into widely separated and strongly marked classes, each following its own peculiar inclinations, and becoming interested, only in its

appropriate objects. To many, an allowance of tobacco will impart the highest enjoyment and procure unremitting labor. Others will be sufficiently gratified by a book, a picture, an occasional game and the family newspaper. While to those of more highly cultivated minds, lectures, recitations, readings, concerts, tableaux vivants, excursions to remarkable places, the pursuit of some department of natural history will afford the greatest amount of recreation, and best relieve the monotony of a long-continued residence in a hospital. In the arrangement and management of amusements, great care should be taken that excitement does not result therefrom. The mind when recovering from disease should be kept in a calm and cheerful state, free from every cause of dissipation and excitement.

It may not be out of place to say a word in relation to the food and appetite of the insane. The powers of life must be supported mainly through the stomach. Hence it is necessary to bestow some thought upon diet. Constitutional vigor is generally much impaired among the insane. They require the sustaining influence of food, in quantity and quality generous and highly nutritious; not only is a liberal supply of animal food requisite, but stimulating drinks must sometimes form a part of ordinary diet. The appetite rendered feeble and capricious by weakness, must be recovered by food that imparts strength. When solid food cannot be taken liquid food may be made sufficiently nourishing. Milk, when it can be borne, cream, broth, soup, beef-tea, may all be brought into use. Some require frequent support of sustenance, and others bear longer intervals. But in all cases the enfeebled powers of life must be strengthened by a liberal supply of highly nutritious food. Much may be accomplished by making every thing about the dining-rooms and tables as attractive as possible, by disposing of the viands in such a manner as to provoke an appetite, by engaging in a lively conversation, and by spending as much time at the table as can be spared from other duties. In this manner patients will often be diverted from their insane fancies, and be betrayed into taking a generous meal.

Our accounts show that much attention has been paid to the clothing of the patients. The insane suffer much from feebleness of circulation and consequent coldness of the extremities.

On this account it is desirable that the clothing should be always of thick and warm material. It should likewise be perfectly neat and tidy. Indifferently clad patients very soon lose their ideas of propriety, and that self-respect, without which they can rarely recover. The supply of clothing should be so abundant that frequent changes of all the apparel worn by each individual, may be made without hesitation or difficulty.

The air respired by the insane should be perfectly pure, and moderately warmed, never oppressively hot, nor below sixty-five or sixty-eight degrees, Fahrenheit. The insane are rarely satisfied with a temperature below seventy degrees Fahrenheit, unless they are accustomed to much out-of-door exercise, and even then considerable fault will be found with the thermometer indicating a temperature of sixty-five degrees Fahrenheit.

Personal cleanliness demands strict attention, both as a means of preserving physical health, and as an important moral agency. Exhalations from the bodies of the insane are often strongly marked, and a large class of patients are liable to become careless and filthy in their habits. In addition to the regular use of the tepid bath for purposes of cleanliness, it is necessary to exercise great care, in order to insure a proper observance by the patient of this great essential of health and comfort.

Among the many physical causes of mental disease, perhaps none is more frequent and certainly none oftener overlooked than a disordered state of the stomach and bowels. It is that condition of the alimentary canal which gives rise to constipation, sometimes alternating with diarrhœa, and accompanied with indigestion, flatulence and eructations, anorexia and nausea, transient pains in the hypochondria, livid and yellow suffusions of the skin, viscid secretions of the mouth and extremely offensive breath. This condition of the alimentary canal which so often lays the foundation for mental disorders is the result of a great variety of causes. Perhaps the most frequent is excess in the use of indigestible food. Too great indulgence of the appetite on the one hand, scanty and unwholesome diet on the other, produce nearly the same train of symptoms, and

indicate a very common condition in those cases in which disorders of the mind follow affections of the stomach and bowels.

The relation in which complaints of the alimentary canal, stand to the disease of the brain may sometimes be doubtful ; in some it is the relation of cause, in others it may be that of effect. But even then there is a reaction of the secondary upon the primary disease, and the original is aggravated by the complication.

All must understand how readily the brain is influenced by every condition of the alimentary canal. That general uneasiness and dissatisfaction which troubles so many persons so often ; that state of the mind in which nothing in the affairs of life gives pleasure, or hope ; that quality of the affections which rejects all the attentions of friendship, all the kind offices of love,—is frequently nothing more than the result of sympathy between the brain and a constipated state of the bowels. It is humiliating to admit that cheerfulness, good humor, and large anticipations of future welfare, may be wholly destroyed by a fit of indigestion : that the strength of the memory may be diminished, the imagination blunted, the power of concentration impaired, by a neglected state of the alimentary canal.

No class of patients suffer more seriously than those who are afflicted with this general disorder of the digestive organs. The deranged state of the thinking faculties, the sense of weariness and oppression, at first slight and irregular, and hardly noticed, becomes daily more severe and oppressive, until the power of self-control is lost, and by the influence of disease, or it may be by accident, some one sensation or emotion becomes exalted, and the judgment impaired ; a general and constant irritability of the mind succeeds, which disturbs and deranges all the mental operations. It is hardly to be supposed that any one cause of insanity is more common than this neglected condition of the stomach and bowels. Its effects are so slight and irregular at first as not to arrest the attention of the patient, and thus known to the physician only in the advanced stages of the disorder when the prospect of recovery has become slight, and palliative treatment only can be attempted.

Our tables show that in more than twenty per cent. of all the admissions to the hospital, insanity was produced by some one or more of the depressing emotions.

Care and anxiety, grief, distrust, domestic affliction, poverty, and reverses of fortune, are by far the most prominent moral causes of insanity. They produce disease by a slow and constant operation, and in an advanced state of civilization are continual in their influence.

In high states of civilization, when the relations of men are intimate and their interests suffer by contact; when their nervous susceptibilities have become unduly exalted, and their minds rendered irritable, the influence of the passions in the production of mental disease can hardly be overestimated. But it should be borne in mind that, not only do the passions and emotions exercise a great influence upon the health of the physical organs, but that the condition of the physical organs controls in an equal degree the operations of the mental faculties. The mind and body of necessity participate in the health and disease of each other, and the particular condition of the one may to a certain extent, be determined by that of the other. Thus indigestion may be the cause or the result of an irritable, unhappy disposition of mind. And ascerbity of temper may be the occasion or the consequence of an acid state of the stomach.

Thus we can very easily see how real to the sufferers are many of the miseries of the poor victims to nervous disease and insanity. While surrounded by all the blessings of existence which men so covet, they are more really miserable than the most homeless, friendless beings that beg a scanty subsistence from door to door.

Some unhealthy condition of their nervous systems, without producing any well-marked bodily symptoms, may so control all the operations of the mental faculties, as to diminish every capacity for enjoyment, paralyze every susceptibility of pleasure, and completely overwhelm the mind in fear, suspicion, and gloom.

Mental health has a much closer relation to physical infirmity than we are willing to admit, and the extent, also, to which human happiness depends upon the integrity of the physical organs and the perfection of their functions, we cannot compute.

How important, then, in a hygienic point of view, are the advantages of a judicious system of physical education, not

merely that development of muscle and perfection of brute force, so much sought in gymnasiums, but a special and constant attention to physical development by free exercise in the open air. Wherever pure air and free, joyous exercise are withheld from any individual, the consequences are evil. The want of pure air and wholesome exercise degrades the vital energies in the same manner as does meagre or scanty food, by destroying the balance between the functions of supply and demand which, in a healthy condition, preserves every organ in a state adequate to the perfect performance of its offices. The muscles grow paler and weaker, and the ability to perform labor is diminished. The brain, by the impoverished condition of blood, undergoes the same process of change, and the capacity of self-management is impaired. In conducting the ordinary affairs of life, an individual so situated must make extraordinary efforts, which the enfeebled state of his brain will poorly enable him to do. After struggling for awhile, his strength is overcome, his courage gives out, his self-respect fails, his mental operations become clouded, and his power of self-control is lost.

Every condition and circumstance in life which has a tendency to diminish vital force, degrades the standard of general health, and thus in a peculiar and certain manner promotes the development of insanity, by producing that unhappy condition of the mental faculties which does not understand the true nature and relation of things, and cannot, in the management of common worldly affairs, rightly use proper means for the accomplishment of desired purposes. Individuals suffering from this latent form of disease, are compelled to make extraordinary efforts at self-management, and if not able to persevere with an uncommon exaltation of will, at length become loose and wayward in their habits of thought and action, and unable to grasp complicated designs, hence in the affairs of the world, though they struggle manfully for a time, too often falter and fail. Their minds, more irregular and more easily disturbed than at first, now become a ready prey to the ravages of disease.

About a year ago you directed such improvements and repairs as made it necessary to remove the old chapel and

office, and rebuild in their place a new wing one hundred and twenty feet long, thirty feet wide, and three stories high. This building is now nearly completed and is occupied in all its parts. The basement contains sufficient store-room, refrigerator and wash-room. In the first story above the basement are situated the kitchen, domestics' dining-room, bakery and ironing-room, with all necessary store-rooms and closets. In the west end of the second and third stories, and contiguous to the old centre building is the chapel and lecture-room. And in the east end are work rooms for patients and sleeping rooms for domestics. The kitchen is furnished with the most approved apparatus for working by steam, which has been found satisfactory in every particular. A railroad extending from the basement of the new wing under the entire length of the old building affords a ready means of access to the patients' dining-rooms in all parts of the hospital.

The means employed for warming and ventilating the various parts of the institution continue to give satisfactory results. No important alteration or repairs have yet been necessary. The following table shows the exact amount of coal consumed from October 1, 1859, to October 1, 1860:—

	Amount for each	Daily average.
	month.	
	lbs.	lbs.
October, 1859,	68,000	2,193
November, "	111,000	3,700
December, "	154,300	4,977
January, 1860,	169,000	5,451
February, "	170,000	5,862
March, "	134,300	4,332
April, "	76,500	2,550
May, "	42,250	1,363
June, "	30,200	1,006
July, "	26,000	835
August, "	22,750	734
September, "	23,750	792
Total,	1,028,050*	—

*Or, 514½ tons.

The usual amount of labor upon the farm, aside from sowing seed and gathering in of the crops, has been performed. Worn out lands have been reclaimed, rocks have been removed, walls

made, ditches dug, cisterns built, water pipes repaired and under-drains laid, thus at all times furnishing employment to a large number of male patients. Fruit trees and forest trees have been transplanted and hedges started with a view to improve the estate and beautify the pleasure grounds connected with the buildings.

In behalf of the patients I desire to tender my grateful acknowledgments to the many kind friends who have assisted us during the year in our lectures and concerts and other entertainments designed to amuse and instruct those placed under our care.

I desire also to express my sense of obligation to those who have so generously made donations of books, maps and pictures, thus contributing much to the welfare of the inmates.

We are under renewed obligations to the publishers of newspapers in various parts of the Commonwealth for their daily and weekly issues, and to those in this city also for large and well-selected bundles of exchanges, giving us a liberal supply of newspapers from all parts of the country.

It is my duty to record my personal obligations to my assistants Drs. Rice and Prentiss for their untiring devotion to the interests of the hospital and the cheerfulness in which they have assisted me in all my duties.

The employees of the institution almost without exception, have faithfully and earnestly carried out all my plans and devoted their whole time and strength to the welfare of the patients.

In looking back over the events of the year, we acknowledge with deep gratitude the blessing which has attended all our efforts to promote the welfare of those placed under our care.

And with renewed confidence that He who upholds and sustains all, will impart to us strength for future labor, we cheerfully commence the duties of another year, hoping and trusting that by His direction we may perform them faithfully and well.

MERRICK BEMIS.

STATE LUNATIC HOSPITAL, WORCESTER, }
October 1, 1860. }

AN INVENTORY

*Of Amounts in value of the Stock and Supplies on hand at the
State Lunatic Hospital.*

Live stock on the farm,	\$3,380 00
Produce of the farm on hand,	2,260 00
Carriages and agricultural implements,	875 00
Machinery and mechanical fixtures,	5,500 00
Beds and bedding in the inmates' department,	3,850 00
Other furniture in the inmates' department,	3,225 00
Superintendent's department,	350 00
Housekeeping department,	1,000 00
Ready-made clothing,	150 00
Dry goods,	350 00
Provisions and groceries,	1,575 00
Drugs and medicines,	150 00
Fuel,	2,200 00
Library,	300 00

TERMS AND FORMS OF ADMISSION, &c.

ADMISSION OF PATIENTS.

Inquiries are often made by letter and otherwise in reference to the course to be pursued in order to obtain admission for the insane to the hospital, and what are the expenses of support, &c.

When patients are committed to the hospital by order of any court, the county in which that court is held pays the expense of carrying the patient to the hospital.

To entitle insane persons to the care of the hospital it is necessary that they be committed by order of the court of probate and insolvency, or by any other court having jurisdiction in the town or county in which the insane person resides, or by two justices of the peace, one of which shall be a justice of the quorum.

Patients may also be committed by the friends if satisfactory bonds are given for their support while in the hospital.

Overseers of the poor may also commit the insane poor of the town in which they have jurisdiction by giving bonds in behalf of the town for the support of the patient while in the hospital.

When it is desirable that an insane person should be committed by the court of probate and insolvency, any one interested may make petition to the judge of probate and insolvency for the removal of the lunatic to the hospital.

An acknowledgment of notice of the petition from one of the selectmen of the town in which the lunatic resides must also be presented with the petition.

PETITION.

Commonwealth of Massachusetts.

To the Honorable _____, Judge of Probate and
 Insolvency, for the county of _____
 Respectfully represents _____, of _____,
 in the county of _____, that _____ of _____,
 in the county of _____, is a lunatic, and so furiously mad as
 to render it dangerous to the peace and safety of the community that
 he should be at large.

Wherefore, your petitioner prays, that the said
 _____, may be committed to the State Lunatic Hospital at
 Worcester.

Dated at _____, this _____ day of _____
 A. D. 18 _____.

ACKNOWLEDGMENT OF NOTICE.

_____, A. D. 18 _____.—The subscriber, one of
 the Selectmen of the town of _____, aforesaid, hereby
 acknowledges due notice of the foregoing petition.

FORM OF PRIVATE BOND.

State Lunatic Hospital at Worcester.

Whereas _____, of _____, in the county
 of _____, has been admitted a boarder in the State Lunatic
 Hospital at Worcester, we _____ in the
 county of _____, as Principal and
 of _____, in the county of _____, as Surety,
 do hereby jointly and severally promise _____,
 Treasurer of said hospital, to pay him or his successor in said office, the
 sum of _____ dollars and _____ cents per week for the
 board of said _____, so long as he shall continue a
 boarder in said hospital, with such extra charges as may be occasioned
 by _____ requiring more than ordinary care and attention; to provide
 for _____ suitable clothing, and to pay for all such necessary articles
 of clothing as shall be procured for _____ by the Steward of the
 hospital, and to remove _____ from said hospital whenever the room
 occupied by _____ shall be required for a class of patients having
 preference by law, or in the opinion of the Superintendent, to be received
 into said hospital. Also to pay, not exceeding fifty dollars, for all

damages he may do to the furniture and other property of said hospital, and for reasonable charges in case of elopement, and funeral charges in case of death. Payment to be made quarterly and at the time of removal, with interest on each bill from and after the time it becomes due.

Witness our hands this day of , A. D. 18 .

Attest. (Signed,)

, *Principal.*

, *Surety.*

FORM OF OVERSEERS' BOND.

State Lunatic Hospital at Worcester.

Whereas of , in the county of , has been admitted a boarder in the State Lunatic Hospital at Worcester, we

 , a majority of the Overseers of the Poor of the town of , in the county of , in behalf of the inhabitants of said town, do hereby promise

 Treasurer of said hospital, to pay him or his successor in said office, the sum of dollar and

 cents per week for the board of said

 so long as he shall continue a boarder in said hospital, with such extra charges as may be occasioned by

requiring more than ordinary care and attention, to provide for

 suitable clothing, and to pay for all such necessary articles of clothing as shall be procured for by the Steward of the

hospital, and to remove from said hospital whenever the room occupied by shall be required for a class of patients having

preference by law, or in the opinion of the Superintendent, to be received into said hospital; and if he should be removed at the request of

 before the expiration of six calendar months after reception, to pay board for twenty-six weeks, unless he should be

sooner cured. Also to pay, not exceeding fifty dollars, for all damages

he may do to the furniture, and other property of said hospital, and for reasonable charges in case of elopement, and funeral charges in case

of death. Payment to be made quarterly and at the time of removal, with interest on each bill from and after the time it becomes due.

Witness our hands this day of

A. D. 18 .

Attest. (Signed,)

} *Overseers of the Poor*
} *of the*
} *town of*

In conformity to the laws of the Commonwealth, the Trustees are required at their annual meeting to establish the price of board. The expense for the ensuing year will be at the rate of three dollars per week for the first six months after the commitment of a patient, and two dollars and seventy-five cents per week after the expiration of six months. All necessary clothing must be supplied by the friends of the patient.

Clothing will be supplied at the hospital if desirable and charged in the bills at cost.

Damages done to the furniture and other property to the amount of fifty dollars may also be charged.

Reasonable charges will be made in case of elopement, and funeral charges in case of death.

All bills are collected by the Treasurer quarterly, or interest charged on the same after becoming due.

Bills become due on the first of January, April, July, and October, and when the patient leaves the hospital.

METEOROLOGICAL OBSERVATIONS

MADE AT

THE STATE LUNATIC HOSPITAL, WORCESTER, MASS.,

1859-60.

Latitude, 42° 16' 17" N.; Longitude, 71° 48' 13" W.

Elevation, 536 feet.

EXPLANATION.—The force of the wind is estimated upon a scale of 10 and indicated by figures affixed to the letters denoting the direction. When no number is affixed, 1 is meant.

METEOROLOGICAL OBSERVATIONS—OCTOBER, 1859.

Days of the month.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.		
	Mean.			Cor. and Red. to 32°.			10—covered.			Direction and Force.			Hour					
	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Began.	Hour Ended.	Inches Water.		Inches Snow.	
1	46	66½	60½	29.613	29.507	29.476	1	3	9	S. W. ²	S. W. ²	S. W. ²	-	-	-	-	Light fog A. M.	
2	59	67	58½	29.428	29.221	29.298	10	8	4	S. W.	S. W.	S. W. ²	a. m.	11 a. m.	.14	-	-	
3	49	60	51	29.433	29.428	29.438	0	1	0	N. W. ²	S. W. ²	S. W.	-	-	-	-	Hazy.	
4	52½	76	63	29.411	29.428	29.441	1	1	0	S. W.	S. W.	S. W.	-	-	-	-	Hazy.	
5	58½	74½	-	29.457	29.334	-	1	2	-	N. W. ³	S. E. ⁵	-	-	-	-	-	-	
6	57	57	46½	29.065	29.166	29.395	5	1	0	N. W. ³	N. W. ⁵	W. ²	-	-	-	-	-	
7	39½	59	48½	29.533	29.535	29.535	1	1	0	S. W.	N. W. ³	W.	-	-	-	-	-	
8	47	45	41½	29.485	29.393	29.407	10	10	10	N. E. ²	N. E.	N. E. ²	a. m.	10 a. m.	1.95	-	-	Rain. Thun. & light P. M.
9	40	51	44½	29.400	29.421	29.542	10	8	8	N. E. ²	N. E. ²	N. E. ³	-	-	-	-	-	
10	37½	46½	36	29.544	29.496	29.532	8	7	0	N. W. ³	N. E. ²	N. E.	-	-	-	-	-	
11	38	60	54	29.563	29.539	29.573	1	0	0	N. E.	N. W.	N. W.	-	-	-	-	-	
12	44	58	48½	29.752	29.707	29.707	2	4	0	N.	W.	W.	-	-	-	-	-	
13	52	65	57½	29.631	29.499	29.457	9	9	9	S. W.	S. W.	S. W.	4 p. m.	4½ p. m.	.10	-	-	Shower.
14	56½	72	56½	29.250	29.118	29.250	4	5	3	S. W.	S. W. ²	S. W.	-	-	-	-	-	
15	43½	49	38½	29.297	29.320	29.308	1	7	1	N. W.	N. W. ⁴	N. W.	-	-	-	-	-	
16	33	45	35	29.761	29.781	29.808	0	0	0	N. W. ³	N. W. ²	N. W.	-	-	-	-	-	
17	38	57	54	29.751	29.631	29.467	2	10	10	S. W.	S. W. ²	S. W.	5½ p. m.	1 p. m.	.27	-	-	
18	58	65	47	29.253	28.939	29.124	10	9	1	S. W.	N. W. ²	S. W. ²	-	-	-	-	-	
19	39	45	48	29.196	29.149	29.154	2	2	8	N. W. ²	N. W. ⁴	N. W. ³	-	-	-	-	-	
20	34½	39½	32	29.090	29.001	29.067	5	4	5	N. W. ²	N. W. ³	N. W. ²	-	-	-	-	-	
21	29	36	30	29.065	29.055	29.170	3	3	3	N. W. ²	N. W. ³	N. W. ²	-	-	-	-	-	
22	31	41½	39	29.196	29.214	29.291	1	9	10	S. W.	N. W. ²	N. W.	-	-	-	-	-	
23	37	49	40	29.371	29.416	29.544	9	2	0	N. W.	N. W.	N. W.	-	-	-	-	-	
24	52	51	42½	29.548	29.392	29.369	4	8	1	N. W.	S. W. ²	S. W.	-	-	-	-	-	
25	42½	50½	41½	29.181	29.058	29.064	9	9	10	S. W.	N. W. ²	N. W.	-	-	-	-	-	
26	23½	35	31	29.132	29.037	29.037	1	3	8	N. W. ³	N. W. ²	W.	-	-	-	-	-	
27	28	41	33½	28.891	28.820	28.950	4	0	1	N. W.	N. W. ²	N. W. ²	-	-	-	-	-	
28	35½	42	40	28.986	29.050	29.126	1	6	2	N. W. ²	N. W. ²	N. W. ²	-	-	-	-	-	
29	31	44	36½	29.250	29.286	29.416	2	2	2	N. W.	N. W. ³	N. W. ²	-	-	-	-	-	
30	34	41	37½	29.489	29.496	29.534	9	10	10	N. W.	N. W. ²	N. W.	-	-	-	-	-	
31	36	41	38½	29.556	29.514	29.581	10	10	10	N. W.	N. W.	N. W.	-	-	-	-	-	
Means,	41	53	44	29.536	29.321	29.369	4.3	4.9	3.1	Amount,			2.46			-		



METEOROLOGICAL OBSERVATIONS—NOVEMBER, 1859.

Moon's Phases.	THERMOMETER.				BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.				REMARKS.
	7 A. M.		9 P. M.		Cor. and Red. to 32°.		10—covered.			Direction and Force.			Hour		Inches			
	7 A. M.	9 P. M.	7 A. M.	9 P. M.	7 A. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Water.	Inches Snow.		
1 ☽	34	45½	40	41	29.645	29.608	29.606	1	1	9	W.	W.	-	-	-	-	Light fog.	
2	32	48	38	35½	29.578	29.468	29.519	7	8	1	W.	W.	-	-	-	-	Hazy A. M.	
3	33½	42½	37	34	29.707	29.770	29.889	1	0	0	N. W.²	N. W.	-	-	-	-	Hazy all day.	
4	34	58	47	49	29.877	29.603	29.563	10	2	0	S. W.²	S. W.	-	-	-	-	Light fog A. M.; hazy	
5	44½	68	57	60	29.563	29.472	29.505	6	3	1	S. W.	S. W.	-	-	-	-	[all day.	
6	40	48	41	34	29.843	29.888	29.992	1	4	8	N.	N.	-	-	-	-		
7	29½	45½	-	-	30.073	29.999	-	1	1	-	S.	-	-	-	-	-		
8	35	57	45	44½	29.906	29.801	29.786	1	1	0	S. E.	S. W.	-	-	-	-	Foggy 7 A. M. [halo P. M.	
9	47½	64	54	50	29.753	29.531	29.484	3	2	8	S. W.	S. W.	-	-	-	-	Dense mist A. M.; lunar	
10	51	59	-	-	29.299	29.122	-	7	10	9	S. W.	S. W.	10½ a. m.	7 p. m.	.22	-	Dense fog fol. by driz. rain	
11	49	43	40	29½	29.052	29.225	29.507	5	1	0	N. W.	N. W.	-	-	-	-	Wild geese fly southward	
12	29	36	36	43	29.663	29.588	29.417	9	10	10	S. E.	S. E.	12 m.	p. m.	.77	-	Snow squall; rain suc'g.	
13	57	61	50	33½	29.112	29.845	28.899	8	10	10	S. W.²	S. W.⁴	-	-	-	-	Rain continues intermit-	
14	32	39	34	31	29.266	29.396	29.572	0	4	0	N. W.	N. W.	-	-	-	-	[tent.	
15	30½	41	34	31	29.675	29.733	29.844	7	1	1	N. W.	N. W.	-	-	-	-		
16	29	48½	40	41½	29.913	29.895	29.935	2	9	4	S. W.	S. W.	-	-	-	-	Light fog A. M.	
17	33	53	43	43½	29.910	29.844	29.840	4	2	1	S. E.	S. W.	-	-	-	-	Foggy A. M.	
18	44	62½	49	51½	29.761	29.615	29.544	-	10	10	N. E.	N. E.	7 p. m.	-	-	-	Thick fog A. M.; misty	
19	59	64	59	54½	29.280	28.983	28.983	10	10	1	S. E.	S. W.²	-	3½ p. m.	.61	-	-	rain succeeding interr'd.
20	46	39	39	32	29.095	29.317	29.603	1	5	1	N. W.²	N. W.³	-	-	-	-		
21	25½	-	-	34	29.815	-	29.866	4	-	3	N. W.	S. E.	-	-	-	-		
22	35	39	37	37½	29.529	29.248	29.363	10	10	8	N. E.²	S. W.	p. m.	-	-	-	Snow early A. M. light;	
23	40	41	39	35	29.356	29.393	29.343	7	8	-	N. W.	N. W.	-	m.	1.00	-	rain followed until noon.	
24	29½	33	30	27	29.683	29.697	29.819	8	5	1	N.	N.	-	-	-	-		
25	27	-	-	33	29.860	-	29.683	8	-	7	N.	S. E.	-	-	-	-		
26	41½	49½	42	36	29.165	29.134	29.174	10	4	0	S.	N. W.	a. m.	-	.40	-	Snow early A. M., fol-	
27	32	41	36	36	29.198	29.283	29.272	4	4	5	S. E.	S.	-	-	-	-	[lowed by rain.	
28	35	40	36	32	29.234	29.281	29.327	4	3	2	N.²	S.	-	-	-	-		
29	34	39	-	-	29.518	29.559	-	4	3	-	N.	N.	-	-	-	-		
30	33	53	40	35	29.558	29.477	29.555	2	2	2	S. E.	S. E.	-	-	-	-		
Means,	37	48	41	38	29.563	29.528	29.553	5.0	4.7	3.8			Amount,		3.00			

METEOROLOGICAL OBSERVATIONS—DECEMBER, 1859.

Moon's Phases.	Days of the month.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.
		Mean.			Cor. and Red. to 32°.			10—covered.			Direction and Force.			Hour			
		7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Began.	Hour Ended.	Inches Water.		Inches Snow.
	1	43	58	43	29.539	29.378	29.399	9	7	8	S. W.	S. W.	7½ a. m.	p. m.	-	-	Showery; rainbow A. M. Snow squall 11 P. M.
D	2	52	63	57	29.434	29.371	29.341	9	4	8	S. W.	S.	-	-	-	-	
	3	28½	26	22	29.790	29.950	30.062	10	7	10	N. W.	N. E. ³	-	-	-	-	
	4	16	18½	24	29.998	29.853	29.775	10	10	10	N. E. ³	N. E. ³	a. m.	p. m.	.92	4	Drizzling rain, ending in
	5	27	30	28	29.818	29.811	29.853	10	10	10	N. E.	N. E.	-	-	-	-	
	6	29	35½	33	29.858	29.760	29.650	10	10	10	N. E.	N. E.	-	-	-	-	
	7	38	55½	40	29.410	29.181	29.273	10	10	10	N. E.	S. W.	-	-	1.05	1	Light snow.
	8	29	19½	12	29.190	29.449	29.671	10	1	0	N. W. ³	N. W. ⁴	-	8 a. m.	-	-	
☺	9	9	24	-	29.791	29.662	-	1	4	-	S. E.	S. E.	p. m.	p. m.	-	½	
	10	23	26	16½	29.352	29.403	29.546	5	5	0	N. W.	N. W.	-	-	-	½	
	11	14½	22	24½	29.484	29.307	29.229	7	10	9	N. W.	S. W.	12¾ p. m.	4 p. m.	-	¾	
	12	35	26	10	28.931	29.094	29.403	9	2	2	S. W.	S. W. ²	-	-	-	-	
	13	11	22½	14	29.665	29.734	29.833	4	2	2	S. W.	W.	-	-	-	-	
	14	14	19	25	29.779	29.546	29.413	10	10	10	N. E. ²	N. E. ⁵	2½ p. m.	-	.18	2	Snow scuds A. M.; me- [teor 7 P. M.
	15	24½	27½	20	29.367	29.423	29.593	7	2	0	N. W.	N. W.	-	-	-	-	
C	16	15½	28	15½	29.802	29.673	29.742	1	2	0	N. W.	N. W.	-	-	-	-	
	17	22	28	28	29.744	29.660	29.605	9	10	10	N. E.	N. E.	-	-	-	-	
	18	34	34½	33½	29.322	29.178	29.208	10	10	10	N. E. ²	N. E.	12½ a. m.	9½ p. m.	1.33	2	Snow & rain alternately.
	19	37	42½	37½	29.296	29.267	29.375	10	4	9	S. W.	S. W.	-	-	.42	3	Snow followed by rain.
	20	32½	33½	36	29.399	29.137	28.740	10	10	10	S. W.	N. E.	9½ a. m.	p. m.	-	-	
	21	35	34	-	29.052	29.196	-	9	7	-	N. W. ²	N. W.	-	-	-	-	
	22	19	27½	23	29.149	29.376	29.346	2	3	2	S. W.	S. W.	-	-	-	-	
	23	18	25	-	29.276	29.234	-	7	1	-	N. W.	N. W.	-	-	-	-	
	24	17½	15	7½	29.160	29.227	29.385	8	1	0	N. W.	N. W. ³	-	-	-	-	
	25	10½	23	22½	29.455	29.351	29.310	9	4	10	S. W.	W.	-	-	-	-	
	26	22½	27½	29½	29.180	29.082	29.089	10	10	10	N. W.	N. W.	-	-	-	-	
	27	25½	18	5	29.454	29.544	29.725	0	0	0	N. W.	N. W.	-	-	-	-	
	28	-4	4	-4	29.810	29.747	29.761	1	8	0	N. W. ³	N. W.	-	-	-	-	
	29	-8	10	7½	29.782	29.676	29.614	0	5	10	N. W.	S. E.	10½ p. m.	11½ a. m.	-	-	Snow squall late P. M. Snow squall 5 P. M.
	30	9	22½	22	29.183	29.167	29.314	10	8	1	N. E. ³	N. W.	-	-	.65	6½	
	31	13½	17	11	29.350	29.435	29.482	2	2	5	S. W.	N. W. ²	-	-	-	-	
Means,		22	28	23	29.478	29.454	29.490	7.0	4.9	5.9			Amounts,		4.55	19	

METEOROLOGICAL OBSERVATIONS—JANUARY, 1860.

Moon's Phases.	Days of the month.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.				REMARKS.	
		Mean.			Cor. and Red. to 32°.			10—covered.			Direction and Force.			Hour.					
		7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Began.	Hour Ended.	Inches Water.	Inches Snow.		
☾	1	24	12	8	29.530	29.522	29.616	1	1	6	N. W.	N. W.	-	-	-	-	-	-	-
	2	31	8	16	29.605	29.565	-	0	1	-	N. W.	N. W. ²	-	-	-	-	-	-	-
	3	14	14	16	29.757	29.697	29.620	0	7	10	N. W.	S. W.	S. W.	8 3/4 p. m.	a. m.	.05	3/4	-	-
	4	15	26 1/2	-	29.573	29.453	-	2	10	-	S. W.	S. W.	-	-	-	-	-	-	-
	5	6 1/2	12	11 1/2	29.664	29.740	29.827	0	0	3	N. W.	N. W.	-	-	-	-	-	-	-
	6	11	25	21	29.862	29.769	29.711	4	4	7	S. W.	S. E.	-	-	-	-	-	-	-
	7	29	43	44	29.510	29.471	29.417	8	10	10	S. W.	S. W.	-	-	-	.24	-	-	-
☺	8	40 1/2	48	39 1/2	29.277	29.195	29.301	1	0	0	S. W.	S. W.	-	-	-	-	-	-	-
	9	38	44 1/2	34	29.560	29.645	29.669	3	3	7	N. W.	N. W.	-	-	-	-	-	-	-
	10	34 1/2	47	38	29.606	29.492	29.517	-	7	7	S. E.	S. E.	-	-	-	-	-	-	-
	11	36	42 1/2	40 1/2	29.327	29.211	29.403	10	10	10	S. W.	S. W.	-	-	-	.45	10 1/2	-	-
	12	26 1/2	27 1/2	16 1/2	29.507	29.524	29.570	7	0	0	N. E.	N. W.	-	-	-	-	-	-	-
	13	21	17 1/2	11	29.665	29.815	29.853	3	1	7	N. E.	N. E.	-	-	-	-	-	-	-
	14	13	25	22 1/2	29.618	29.580	29.408	10	10	10	N. E.	N. E.	-	-	-	-	-	-	-
☾	15	30	37	33 1/2	29.008	28.998	29.069	10	1	1	N. E.	N. W.	-	-	-	.45	2 1/2	-	-
	16	16 1/2	46	33 1/2	29.145	29.152	29.163	8	1	0	N. E.	N. W.	-	-	-	-	-	-	-
	17	26 1/2	40	29 1/2	29.058	28.969	29.083	7	10	0	S. W.	N. W.	-	-	-	-	-	-	-
	18	18	33 1/2	29	29.333	29.308	29.286	1	8	10	N. W.	N. W.	-	-	-	-	-	-	-
	19	27	33	23	29.154	29.222	29.377	10	6	0	N. W.	S. W.	-	-	-	-	-	-	-
	20	26	39	33	29.369	29.293	29.314	9	6	1	N. W.	N. W. ³	-	-	-	-	-	-	-
	21	40	50	42 1/2	29.086	29.073	29.268	1	1	3	S. W.	S. W.	-	-	-	-	-	-	-
	22	37 1/2	43	37 1/2	29.362	29.262	29.262	9	9	10	S. E.	N. E.	-	-	-	-	-	-	-
☉	23	36	39	30 1/2	29.477	29.511	29.624	1	1	0	N. W.	N. W.	-	-	-	-	-	-	-
	24	25	46	-	29.674	29.473	-	2	9	-	S. W.	S. W.	-	-	-	-	-	-	-
	25	43 1/2	42	33	29.010	29.039	29.195	4	5	1	S. W.	N. W. ⁵	-	-	-	.12	-	-	-
	26	25	29 1/2	26 1/2	29.387	29.352	29.353	2	10	10	N. W.	N. W.	-	-	-	-	-	-	-
	27	16 1/2	27	-	29.296	29.235	-	1	1	-	N. W.	S. E.	-	-	-	-	-	-	-
	28	18	25 1/2	21 1/2	29.225	29.157	29.242	0	10	10	N. W.	S. W.	-	-	-	-	-	-	-
	29	7 1/2	27	23 1/2	29.618	29.560	29.537	0	0	1	N. W.	S. W.	-	-	-	.03	1 1/4	-	-
	30	35 1/2	45	35	29.268	29.176	29.276	4	1	0	S. W.	S. W.	-	-	-	-	-	-	-
☾	31	40	47	13 1/2	29.327	29.241	29.497	1	9	10	S. W.	N. W. ²	-	-	-	-	-	-	-
Means,		24	33	25	29.414	29.377	29.395	4.1	5.1	4.9				Amounts,	1.34	14 1/2			

Light snow evening.
Snow scuds A. M.
Dense fog A. M.
Lunar halo 7 P. M. and
Dense fog A. M. [seq.
Misty; intermittent rain
followed by snow.

Light intermittent snow-
storm followed by rain.
Misty A. M.
Very light snow A. M.

Light rain P. M.

Snow.

METEOROLOGICAL OBSERVATIONS—FEBRUARY, 1860.

Moon's Phases.	Days of the Month.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.	
		Mean.			Cor. and Red. to 32°.			10=covered.			Direction and Force.			Hour.				
		7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Inches Water.		Inches Snow.
	1	0	5	6	29.475	29.551	-	10	4	-	N. W. ³	N. W. ²	-	9½ a. m.	-	.19	2½	[snow-fall.
	2	-3	11½	8½	29.868	29.848	29.892	7	7	9	N. W.	N. W.	N. W.	-	-	-	-	Very brief and light
	3	6	16½	15	29.946	29.860	29.892	1	10	9	N. W.	N. E.	N. E.	-	-	-	-	Snowscuds 11 A. M. & seq.
	4	14	24	21½	29.780	29.784	29.913	10	10	10	N. E.	N. E.	N. E.	5 p. m.	-	.03	¾	Storm intermittent.
	5	22	34	31	29.944	29.879	29.718	10	10	10	N. E.	S. E.	S. E. ²	-	-	-	-	
	6	37	48	41	29.392	29.245	29.051	10	10	10	S. E.	S. W.	S. W.	3 a. m.	5½ p. m.	.39	-	Dense fog A. M. lifting
	7	36½	-	34	29.163	-	29.400	1	2	2	S. W.	-	W.	-	-	-	-	[at noon.
	8	-	-	33	-	29.139	28.956	-	5	7	-	-	S. W.	-	-	-	-	Snow succeeded by rain.
	9	-	45	33	-	29.000	-	1	1	1	-	S. W. ³	S. W.	11 p. m.	-	-	-	High winds.
	10	-	14	14	-	29.511	29.379	29.301	6	7	4	N. W.	N. W.	2 a. m.	-	.03	¾	
	11	16	21	17½	29.288	29.398	29.561	1	1	0	N. E.	N. W. ³	N. E.	7 p. m.	12 p. m.	-	-	
	12	11	21½	15	29.577	29.416	29.205	10	1	0	N. E.	S. W.	N. W.	-	-	-	-	[1 P. M.
	13	17	41	37	29.357	29.442	29.562	10	9	0	N. E. ²	N. W.	N. W.	-	-	-	-	Snow scuds 11 A. M. to
	14	27	29	20	29.645	29.520	29.344	1	10	10	N. E. ²	N. E. ²	N. E. ²	8½ p. m.	-	-	-	Snow scuds 12 M. & seq.
	15	12	28	24	29.179	29.073	29.118	10	10	10	N. E. ²	N. E. ²	N. E. ²	-	-	-	-	
	16	19	25	22½	29.242	29.179	29.217	8	1	1	N. W. ³	N. W. ³	N. W.	-	-	-	-	
	17	12	12	8	29.221	29.025	28.580	3	10	10	N. E.	N. E. ²	N. E. ³	-	-	.52	9½	Snow 11 A. M.; wind
	18	4	14½	14½	28.580	28.796	29.201	9	9	0	N. W. ²	N. E. ²	N. E. ³	11 a. m.	12 p. m.	.83	6½	[S. W., veering S.-S. E.
	19	21	20	16	29.542	29.406	29.449	8	10	1	N. W.	S. W.	S. W.	-	-	-	-	[to N. E.; hail accom-
	20	15	32½	26	29.595	29.618	-	3	0	-	S. W.	S. W.	S. W.	-	-	-	-	Aurora. [panying P. M.
	21	23½	46½	51	29.689	29.461	29.174	5	10	10	S. W.	S. E.	S. E. ²	10½ a. m.	12 p. m.	.68	-	Light fog A. M.; rain int.
	22	28	48½	43½	29.056	28.912	29.072	10	1	0	S. W. ²	N. W. ²	N. W. ²	4 p. m.	5 p. m.	.10	-	Dense fog A. M.; shower
	23	46	53	31	29.225	29.193	29.251	1	6	9	N. W. ²	N. W. ²	N. W. ³	-	-	-	-	[P. M.
	24	33	38	31	29.331	29.384	29.563	1	3	1	N. W.	N. W. ²	N. W.	-	-	-	-	
	25	25½	29	24	29.726	29.774	29.803	1	1	1	N. W.	N. W. ²	N. W.	-	-	-	-	
	26	20½	29	26½	29.811	29.660	29.692	2	1	9	S. W.	S. W. ²	S. W.	-	-	-	-	Light fog early A. M.
	27	31½	52½	43½	29.793	29.811	29.871	9	9	0	S. W.	N. E.	N. E.	-	-	-	-	Misty P. M.; driz. r. eve.
	28	38	53½	37	29.897	29.786	-	10	10	10	N. E.	N. E.	N. E.	7 p. m.	-	-	-	
	29	35	42½	-	-	-	-	10	10	10	N. E.	N. E.	N. E.	-	-	-	-	
	Means,	21	31	27	29.501	29.427	29.408	6.0	6.1	5.3				Amounts,		2.77	20	

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METEOROLOGICAL OBSERVATIONS—MARCH, 1860.

Moon's Phases.	Days of the month.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.		
		Cor. and Red. to 32°.			10—covered.			Direction and Force.			Hour Begun. Ended.			Inches Water. Snow.					
		7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Hour Begun.	Hour Ended.	Inches Water.	Inches Snow.					
	1	35½	42½	40	29.550	29.310	29.192	10	10	N. E.	N. E.								
	2	47	57½	47	29.277	29.242	29.542	1	0	N. W.²	N. E.					.71			Drizzly rain continues.
	3	34½	51	43	29.713	29.520	29.220	5	10	N. W.	S. W.³					.10			
	4	44	43½	33	29.066	29.109	29.274	1	2	N. W.²	N. W.⁴								
	5	25½	42	35	29.421	29.209	29.052	0	6	N. W.	N. W.								
	6	30½	46	31	29.273	29.349	29.514	1	0	N.	N.								
	7	33	36½	35	29.443	29.311	29.239	10	10	S. E.	S. E.					.34			Snow followed by rain & Snow succeeds. [fog.
	8	35	48	43½	29.258	29.278	29.180	10	7	S. E.	S. W.³					.29			Snow squalls 7 P. M.
	9	33½	27½	25	28.944	28.788	28.931	10	9	N. W.	N. W.²								Snow squalls.
	10	25	27½	22½	28.958	28.992	29.105	2	4	N. W.	N. W.³								Snow squalls.
	11	25½	35½	31	29.143	29.165	29.266	4	7	W.	W.³								
	12	31	39½	36	29.249	29.112	29.143	10	10	S. E.	N. W.					.70			Robins appear; rain followed by snow and ending in rain and fog.
	13	33	36	35	29.232	29.290	29.289	9	10	N. W.	N. W.								Shooting star.
	14	34	39	-	29.187	29.233	-	10	9	N.²	N. W.³								[P. M.
	15	34	50½	41	29.583	29.638	29.735	0	0	N. W.	N. W.								Light fog A. M.; aurora
	16	32	54½	41	29.814	29.786	29.800	0	0	S. W.	S. W.								Dense fog; aurora P. M.
	17	32½	54	41	29.788	29.743	29.766	4	9	S. W.	S. W.								Light fog; aurora P. M.
	18	33½	56	44	29.823	29.748	29.769	0	4	S. W.	S. E.								Fog deepening into driz-
	19	35	52	41	29.677	29.622	29.456	1	0	N. E.	N. E.								zly rain.
	20	35	48½	-	29.273	29.070	-	10	10	N. E.	N. W.³					.09			Light snow.
	21	34	36½	-	29.622	28.997	-	1	10	N. W.²	N. W.²					.03			
	22	21	26	20	28.927	28.916	29.010	9	9	N. W.²	N. W.²								Snow squalls.
	23	22	37	30	29.635	28.987	28.963	9	3	N. W.²	N. W.								Snow squalls.
	24	31	34½	29	28.845	28.790	28.914	1	8	N. W.²	N. W.²								Aurora P. M. very bril-
	25	27	34½	28	28.972	28.990	29.248	8	8	N. W.³	N. W.²								liant.
	26	27½	42	31	29.258	29.260	29.327	0	4	N. W.	N. W.²								Aurora 12 P. M. [light.
	27	28½	40	34	29.356	29.304	29.370	8	2	N. W.	N. W.²								Hazy A. M.; light rain
	28	29	49½	37	29.286	29.092	29.103	1	4	S. W.	S. W.²								[P. M.
	29	3½	45½	38	29.170	29.068	29.174	1	3	S. W.	S. W.								Very hazy all day.
	30	35½	64	50	29.241	29.147	29.137	3	0	S. W.	S. W.								Very hazy all day.
	31	44½	69½	57	29.081	28.932	28.971	0	0	S. W.	S. W.²								
Means,		32	44	37	29.288	29.226	29.275	4.5	5.5			Amounts,	2.26	63					

METEOROLOGICAL OBSERVATIONS—APRIL, 1860.

Moon's Phases.	Days of the month.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.
		Cor. and Red. to 32°.			10—covered.			Direction and Force.			Hour Began.	Hour Ended.	Inches Water.	Inches Snow.			
		7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.							
	1	45	67	48½	28.931	28.745	28.828	0	8	10	S. W.	S. W.	8½ p. m.	-	-	-	Hazy; rain followed by snow—very light.
	2	26	30	22½	29.011	29.064	29.196	8	0	0	N. W.	N. W.	-	-	-	-	
	3	21	38½	37	29.297	29.165	29.135	9	10	4	S. W.	S. W.	-	-	-	-	
	4	42	53	45	29.108	28.958	28.932	10	10	10	N. E.	N. E.	6 a. m.	.43	-	-	Trailing arbutus blossom; [light interrupted rain.
	5	44	57½	49½	28.938	28.955	29.085	9	2	7	S. W.	S. W.	1 p. m.	.02	-	-	Daphne mezereum blossom.
	6	41	46	35½	29.267	29.247	29.470	10	10	10	N. E.	N. E.	-	-	-	-	White frost. [showery.
	7	35	50½	40	29.604	29.579	29.617	0	1	1	N. W.	N. W.	-	-	-	-	Red maple blossom.
	8	39½	-	49½	29.610	-	29.276	9	10	10	S.	S.	8¾ a. m.	-	-	-	Fog and hail.
	9	50	50½	43½	29.280	29.263	29.456	10	10	10	N. E.	N. E.	9 p. m.	.47	-	-	Rain and hail.
	10	37	41	38	29.617	29.577	29.430	10	10	10	N. E.	N. E.	12¾ p. m.	-	-	-	Drizzling.
	11	41½	45	41	29.113	29.149	29.300	10	10	10	N. W.	N. W.	7 a. m.	.13	-	-	Aurora. [bloss.; aurora.
	12	40	56½	46	29.457	29.342	29.306	0	2	1	N. W.	S. W.	-	-	-	-	Saxifrage and chickweed
	13	45	45	41½	29.136	29.172	29.303	3	5	1	S. W.	N. W.	a. m.	.03	-	-	Crocus blossom; rain A. M.
	14	41	41½	28	29.116	29.074	29.334	9	8	0	S. W.	N. W.	-	-	-	-	Aurora. [snow sq. 1½ P. M.
	15	24	38	33½	29.491	29.493	29.643	0	1	0	N. W.	N. W.	-	-	-	-	Intermittent rain.
	16	39	48	40	29.709	29.632	29.496	2	10	10	S. W.	S. W.	3¼ p. m.	-	-	-	Thick fog.
	17	41	65½	49½	29.251	29.173	29.453	10	4	1	S. W.	N. W.	9 a. m.	.25	-	-	Faint aurora.
	18	35	48½	40	29.756	29.793	29.846	0	0	0	N. W.	N. W.	-	-	-	-	[showery.
	19	38	55½	48½	29.882	29.695	29.627	1	1	2	N. W.	S. W.	-	-	-	-	Wild strawberry blossom;
	20	44½	66	58	29.488	29.276	29.192	6	9	8	S. W.	S. W.	-	-	-	-	Hyacinth blossom; Pansy
	21	52½	47	38½	29.171	29.277	29.346	10	10	10	N. E.	N. E.	10 a. m.	-	-	-	Dandelion blossom. [bloss.
	22	33	-	45	29.316	-	29.253	9	-	9	S. E.	S. E.	a. m.	.02	-	-	[driz. r.; snow sq. 6 A. M.
	23	47½	62	52	29.250	29.196	29.185	1	10	9	S. W.	N. W.	-	-	-	-	Snow scuds P. M.
	24	45	54	35	29.195	29.076	29.203	9	4	0	N. E.	N. W.	11½ a. m.	-	-	-	Snow; cowslips blossom.
	25	32½	44½	35½	29.211	29.118	29.122	1	8	3	S. E.	N. W.	7 a. m.	-	-	-	Housatonia blossom.
	26	36½	51½	40	29.176	29.217	29.400	9	8	0	N. W.	N. W.	a. m.	-	-	-	Light fog A. M.; blue
	27	40	57	45	29.512	29.468	29.575	1	3	0	N. E.	N. W.	6¾ a. m.	-	-	-	[violets blossom.
	28	42	61	48	29.708	29.729	29.756	2	6	2	N. W.	S. W.	-	-	-	-	
	29	-	59½	44	-	29.575	29.625	-	2	0	N. E.	N. E.	-	-	-	-	
	30	41½	55	39½	29.599	29.575	29.588	0	1	0	N. E.	N. E.	-	-	-	-	
Means,	39	51	42	44	29.352	29.321	29.365	5.4	5.9	4.5			Amount,	1.36	-	-	

METEOROLOGICAL OBSERVATIONS—MAY, 1860.

Moon's Phases.	Days of the month.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.	
		Mean.			Cor. and Red. to 32°.			10—covered.			Direction and Force.			Hour.				
		7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Began.	Hour Ended.	Inches Water.		Inches Snow.
	1	37	54	43½	29.577	29.520	29.574	10	6	10	N. E.	E. 2	N. E. 2	-	-	-	Misty all A. M. (till 9 A. M.)	
	2	42	60	48	29.572	29.547	29.570	10	4	4	N. E.	E. 3	E. 2	-	-	-	Columbine bloss.; misty.	
	3	46	64	52	29.510	29.438	29.430	8	4	8	N. E.	E. 2	E.	-	-	-	M. Cur't & Blood r't blos.	
	4	51½	67½	54	29.379	29.298	29.334	7	0	1	N. E.	S. E.	E.	-	-	-	Cherry, F. de Lis, Tulip, blos.	
	5	52	75½	55	29.354	29.280	29.385	0	1	0	N. E.	N. E.	S. E. E.	-	-	-	Hazy A. M.; P. Japonica, Peach	
	6	56	72	58½	29.397	29.454	29.345	0	0	2	N. E.	N. E.	S. E. E.	-	-	-	Hazy all day. [bloss.	
	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Shad blossoms.
	8	-	-	54½	-	-	29.565	-	-	10	-	-	-	-	-	-	-	Pears and Plums blos.
	9	52	57½	53½	29.573	29.581	29.613	10	10	10	S. E.	-	S. E.	-	-	-	Orioles appear.	
	10	52	65½	52½	29.659	29.665	29.704	10	10	1	S. E.	S. E.	S. E.	-	-	-	Flowering Almond blos.	
	11	51½	71½	59	29.750	29.708	29.728	8	4	1	E.	S. W.	S. W.	-	-	-	Apple blossoms.	
	12	60	75	65	29.740	29.635	29.609	0	4	6	S. W.	S. W.	S. W.	-	-	-	-	
	13	-	78	67	-	29.409	29.362	2	3	1	S. W.	S. W.	S. W.	-	-	-	Distant lightning, eve'g.	
	14	64	68	49	29.302	29.212	29.379	10	5	9	N. E.	N. E. 2	N. E. 2	-	-	-	Smoky all day.	
	15	45	62½	48	29.451	29.383	29.414	9	1	0	N. E.	N. E.	S. E.	-	-	-	Hazy.	
	16	49	59½	46	29.379	29.454	29.619	5	9	1	S. W.	N. E.	S. E.	-	-	-	[frost.	
	17	45½	66	49	29.696	29.610	29.680	0	3	1	S. E.	S. W.	S. W.	-	-	-	Dense fog A. M.; sharp	
	18	51½	66	58	29.692	29.487	29.354	10	10	10	S. E.	S. W.	S. W.	-	-	-	Lilac & T. Honeys' blos.	
	19	58½	70	60	29.104	28.838	28.818	10	4	2	S. E.	S. W. 2	S. W.	5 a. m.	11 a. m.	.58	Call's blos.; shower 8½ P. M.	
	20	55	56	46½	28.841	29.046	29.306	1	2	1	S. W. 3	N. W.	N. W.	10½ a. m.	-	-	P. Lilac blos.; it. shower 6 A. M.	
	21	45	43	41	29.475	29.440	29.432	10	10	10	N. W.	N. E.	N. E.	-	-	-	Sharp frost; inter'd rain.	
	22	42	51½	49	29.334	29.363	29.373	10	10	10	N. E.	N. E.	N. E.	-	-	-	Horse-chestnut & Gera-	
	23	54	66	56	29.461	29.428	29.488	1	1	1	N. 2	N. W. 3	N. W.	-	-	-	[nium Maculatum blos.	
	24	53½	67½	50	29.521	29.349	29.345	1	3	1	N.	N. W.	S.	-	-	-	Interrupted rain.	
	25	53½	76	61	29.541	29.439	29.515	4	6	0	N.	N. W.	N. E.	2.20 p. m.	p. m.	.56	-	
	26	56½	55½	48½	29.376	29.357	29.343	4	10	10	N. E.	N. E.	N. E.	-	-	-	[ball blossoms.	
	27	49	56	50	29.320	29.307	29.310	10	10	10	N. E.	N. E.	N. E.	-	-	-	Frost; hazy A. M.; snow-	
	28	49	60	49½	29.435	29.270	29.342	10	10	1	N. E.	N. E.	S. E.	-	-	-	Mt. P. K. blos.; Th. st.; int. r.	
	29	56½	72	60½	29.435	29.454	29.482	0	1	0	N. E.	S. E.	S. E.	-	-	-	R. Rose blos.; steady rain	
	30	57½	71	54½	29.514	29.404	29.419	1	9	10	S. W.	S. W.	S. W.	3.10 p. m.	-	-	-	
	31	54	63	63	29.293	29.221	29.187	10	10	10	S. W.	S.	S. W.	-	9 a. m.	.94	-	
Means,		51	64	53	29.444	29.399	29.434	5.8	5.5	4.7			Amount.			2.66		

METEOROLOGICAL OBSERVATIONS—JUNE, 1860.

Days of the month.	THERMOMETER.			BAROMETER.		CLOUDS.		WIND.			RAIN AND SNOW.			REMARKS.	
	Mean.			Cor. and Red. to 32°.		10—covered.		Direction and Force.			Hour.				
	7 A. M.	9 P. M.	Mean.	7 A. M.	9 P. M.	7 A. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Inches Water.		Inches Snow.
1	59	60½	63	29.125	29.075	29.115	10	N. E.	N. E.	N. E.	2.15 p. m.	—	—	—	Mount. Ash blos.; fog fol- Drizzle. [lowed by rain.
2	57	58½	61	29.147	29.172	29.233	10	N. E.²	N. E.	N. W.	—	12 m.	.29	—	
3	64½	62	68	29.217	29.143	29.128	0	N.	N. E.²	N.	—	—	—	—	
4	64½	62½	69	29.031	28.922	28.932	3	N. W.	S. E.	S. E.	—	—	—	—	Hazy A. M.
5	58	54	57	28.878	28.848	28.915	10	N. E.	N. E.²	N. E.³	5 a. m.	4 p. m.	1.35	—	Intermittent rain.
6	54½	59½	58	28.944	28.983	29.022	10	N. E.	N. E.²	N. E.	—	—	—	—	Steady rain.
7	62	68½	64	29.001	28.946	28.912	7	S. W.	S. W.	S. W.²	—	—	—	—	Peony blossoms.
8	64	72½	64	28.983	28.888	28.911	0	W.²	S. W.	S. W.	6.45 p. m.	9.30 p. m.	1.04	—	Syringa bloss.; shower.
9	—	63½	—	—	—	28.843	—	N. W.²	N. W.²	N. W.²	p. m.	p. m.	—	—	Showery P. M.
10	58½	56	59	28.828	28.908	29.013	9	N. W.³	N. W.⁵	N. W.⁴	—	—	—	—	Gusty all day.
11	60	59	63	29.042	29.087	29.227	1	N. W.³	N. W.²	N. W.	—	—	—	—	
12	63½	62	66	29.321	29.284	29.321	1	N. W.	N. W.²	N. W.	—	—	—	—	
13	65	64½	69	29.407	29.377	29.423	0	N. W.	N. E.	S. W.	—	—	—	—	
14	69	66	72	29.416	29.378	29.395	1	S. W.	S. W.	S. W.	—	—	—	—	[num blos.
15	64½	65½	70	29.363	29.334	29.365	5	S. W.	S. W.	N. W.	3.30 p. m.	4 p. m.	.15	—	Golden Linked Labur- Th. st.; solar halos A. M.
16	64½	63½	66	29.409	29.371	29.426	9	S. E.	S. W.	S. W.	5.45 a. m.	5.30 p. m.	.19	—	Showery, with thunder.
17	66	63	66	29.469	29.443	29.506	1	N. E.	N. E.²	S. E.	3 p. m.	4.45 p. m.	.23	—	Thunder shower.
18	61	63½	64	29.491	29.429	29.369	10	N. E.	N. E.	S. W.	a. m.	7 a. m.	.39	—	Continued rain.
19	62	65	67	29.273	29.148	29.128	10	S. W.	S. W.²	S. W.	—	—	—	—	Lightning 10 P. M.
20	63½	51½	57	29.080	29.134	29.304	10	S. E.	N. E.³	N. E.³	5 a. m.	p. m.	1.05	—	Showers; rainbow 5 A. M.
21	52	58½	54	29.443	29.493	29.537	10	N. E.³	N. E.³	N. E.	—	—	—	—	Shooting star 9 P. M.
22	59	61½	68	29.530	29.486	29.495	0	N. E.	N. E.²	N. E.	—	—	—	—	[storm 4 P. M.
23	62½	62	68	29.484	29.493	29.629	0	S. E.	N. E.	N. E.	4 p. m.	7.30 p. m.	1.62	—	Misty A. M.; thunder
24	60½	63	66	29.731	29.751	29.774	3	N. E.	S. E.	S. E.	—	—	—	—	Foggy; Locust blos.
25	64	61	66	29.847	29.660	29.642	2	N. E.	N. E.²	S. E.	—	—	—	—	Light fog A. M.
26	63½	62	72	29.525	29.428	29.395	9	S. W.	S. W.	N. W.	—	—	—	—	Comet visible.
27	69	63	69	29.496	29.488	29.488	1	N.²	N. W.²	N.	—	—	—	—	[rainbow 7.15 P. M.
28	64½	69	70	29.473	29.358	29.355	2	N.	W.³	S. W.	—	—	—	—	Thunder and lightning;
29	67½	71	72	29.179	29.021	28.951	9	S. W.	S. W.	W.	10 a. m.	7.30 p. m.	.34	—	Showery all day.
30	74	80	75	29.071	29.129	29.219	7	W.²	W.²	W.³	—	—	—	—	Faint aurora.
Means.	62	65	66	29.283	29.247	29.266	5.2	4.9	4.4	Amount.	6.65	—	—	—	—

METEOROLOGICAL OBSERVATIONS—JULY, 1860.

Moon's Phases.	Days of the month.	THERMOMETER.			BAROMETER.			CLOUDS.		WIND.			RAIN AND SNOW.			REMARKS.	
		Mean.			Cor. and Red. to 32°.			10-covered.		Direction and Force.			Hour Began.	Hour Ended.	Inches Water.		Inches Snow.
		7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.					
☉	1	64	72	63½	29.354	29.337	29.398	0	1	N. W.	N. W.²	N. W.	-	-	-	-	Wild Rose, Elder bloss.
	2	66½	75	65½	29.442	29.411	29.428	0	4	N. W.	W.²	N. W.	-	-	-	-	Hazy early A. M.
	3	65	78	67	29.439	29.344	29.265	8	8	S. W.	S. W.²	S. W.	-	-	-	-	Light haze A. M.
	4	66	78½	66	29.168	29.151	29.202	10	6	N. E.	N. E.	N. E.	-	-	1.27	-	
	5	63	57	52	29.189	29.182	29.242	10	10	N. E.	N. E.	N. E.	-	-	-	-	Intermittent rain.
	6	57	70	59	29.311	29.390	29.463	0	5	N. E.	N. E.²	N. E.	-	-	-	-	Mist.
	7	63	72½	58½	29.512	29.477	29.471	2	1	N. E.	S. E.²	S. W.	-	-	-	-	
	8	53½	63	62½	29.377	29.254	29.247	10	10	N. E.²	N. E.	N. E.	-	-	-	-	Misty 5 A. M.; drizzle & showers.
	9	65	78	70	29.182	29.094	29.203	10	2	S. W.	S. W.²	W.	-	-	.31	-	Variable rain.
	10	69	77	70	29.243	29.245	29.319	4	8	W.³	W.²	N. W.	-	-	-	-	
	11	62½	71	63	29.402	29.384	29.425	7	4	N. W.³	N. W.²	N. W.	-	-	1.00	-	
	12	60	68½	63½	29.477	29.471	29.481	0	7	N. W.²	N. W.	N. W.	-	-	-	-	
	13	65	69	60	29.469	29.442	29.468	4	5	N. E.	S. E.	N. E.	-	-	-	-	Very light showers.
	14	60	76	65	29.495	29.486	29.493	0	2	N. E.	S. W.	N. E.	-	-	-	-	Thick fog A. M.
	15	66	81	68½	29.484	29.408	29.395	0	4	S. W.	S. W.	S. E.	-	-	-	-	Hazy A. M. early.
	16	68	84	71	29.338	29.320	29.259	8	1	S. W.	S. W.	S. W.	-	-	-	-	Misty A. M.; trifling shower with thun. & light; fog.
	17	68	74	65½	29.290	29.324	29.398	0	1	W.	N. W.	N. W.	-	-	-	-	Catalpa blossoms.
	18	64	-	-	29.413	-	-	0	-	N. W.	-	N. W.	-	-	-	-	Aurora borealis.
	19	-	79½	75	-	29.385	29.380	-	4	-	S. W.	S. W.²	-	-	.53	-	Brilliant meteor. [P. M.
	20	-	-	72	-	-	29.246	-	-	-	-	N. W.	-	-	-	-	Hazy A. M., show with th
	21	67	74½	70	29.117	28.912	28.982	10	10	S. W.	S. W.²	S. W.	-	-	1.09	-	Dwarf Horse Chestnut bl
	22	63½	71½	62	29.279	29.309	29.301	0	1	N. W.	N. W.²	N. W.	-	-	-	-	Showery; little rain.
	23	63	77	68	29.126	28.970	29.089	10	7	S. W.	S. W.³	S. W.	-	-	-	-	
	24	60	71	61	29.349	29.335	29.417	0	1	N. W.	S. W.	S. W.	-	-	-	-	
	25	61	79½	67	29.511	29.502	29.547	5	6	S. W.	S. W.²	S. W.	-	-	-	-	Thunder storm.
	26	68	81	65	29.520	29.404	29.293	4	6	S. W.	S. W.	S. W.	-	-	.34	-	
	27	69	71½	60	29.260	29.349	29.482	9	4	N. W.	N. W.²	N. W.	-	-	-	-	
	28	59	71	59½	29.616	29.589	29.609	1	9	N. W.	N. W.	N. W.	-	-	-	-	Drizzly.
	29	59	63½	61	29.576	29.471	29.354	8	10	N. W.	S. W.	S. W.	-	-	-	-	Heavy showers; fog.
	30	62	78	68½	29.176	29.147	29.191	10	7	N. E.	N. W.²	N. W.	-	-	1.96	-	Light shower.
	31	68	74	68	29.217	29.176	29.195	1	9	S. W.	S. W.	S. W.	-	-	.03	-	
Means,		64	74	63	29.337	29.319	29.340	4.8	5.2			Amount,			7.91		

METEOROLOGICAL OBSERVATIONS—AUGUST, 1860.

Days of the month.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.		
	Mean.			Cor. and Red. to 32°.			10—covered.			Direction and Force.			Hour Began.	Hour Ended.	Inches Water.		Inches Snow.	
	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.						
1 ☺	57½	70	58	29.347	29.307	29.495	0	1	1	N. W. ²	S. W. ³	S. W.	-	-	-	-	Hazy A. M.	
2	59	74	63	29.612	29.579	29.595	3	1	1	N. W.	S. W.	S. W.	-	-	-	-		
3	64½	79	65	29.613	29.560	29.510	1	2	3	S. E.	S. E.	S. W. ²	-	-	-	-		
4	70	75	73	29.412	29.309	29.283	8	10	10	N. W. ²	N. W. ²	N. W.	8¼ a. m.	10 a. m.	.06	-	Light shower; lightning.	
5	72	76½	66½	29.335	29.363	29.413	0	2	0	N.	N. W. ²	N. W.	-	-	-	-		
6	68½	78	68	29.502	29.484	29.454	0	0	0	N.	N. W. ²	N. W.	-	-	-	-		
7	69	85	74	29.411	29.298	29.285	4	7	8	S. W.	S. W. ²	S. W.	-	-	-	-		
8	74	85	76	29.218	29.185	29.173	8	10	9	S. W.	S. W. ²	S. W.	-	-	-	-		
9	72	80	72	29.190	29.211	29.272	9	8	1	S. W.	S. W.	S. W.	-	-	-	-		
10	67½	85	74	29.350	29.322	29.342	1	2	10	S. W.	S. W.	S. W.	-	-	-	-		
11	72	83	74	29.329	29.333	29.455	10	9	10	N. E.	N. E.	N. E.	7 a. m.	-	-	-		
12	66½	77	69	29.610	29.505	29.504	10	8	9	N. E.	N. E. ²	S. E.	-	9 a. m.	.12	-	Hazy early A. M. Interrupted rain. Misty A. M.	
13	65	82	76	29.354	29.334	29.340	10	7	9	N. E.	S. W. ³	S. W. ²	a. m.	-	-	-		
14	67	69	61	29.362	29.352	29.447	10	10	10	N. W.	N. E.	N. E.	9 a. m.	6 a. m.	2.00	-	Showers, very heavy. Showery.	
15	58	68	58	29.505	29.537	29.583	0	1	0	N. E. ²	N. W. ²	N. W.	-	a. m.	.55	-		
16	59	72½	63½	29.625	29.590	29.506	1	6	1	N. E.	N. W.	S. E.	-	-	-	-	Faint aurora 9 P. M.	
17	61½	77	64	29.505	29.426	29.383	7	3	1	S. E.	S. W.	S. E.	-	-	-	-	Hazy A. M.	
18	63½	81	66	29.311	29.210	29.288	9	6	5	S. W.	S. W. ²	S. W.	2½ p. m.	8¼ p. m.	93	-	Showers; thunder and lightning; aurora P. M.	
19	65	76	64½	29.348	29.423	29.527	1	3	10	S. W.	N. E. ²	N. E. ²	-	-	-	-		
20	63	71	67½	29.601	29.571	29.540	10	10	10	N. E.	N. E.	S. E.	-	-	-	-		
21	70	76½	71	29.550	29.504	29.493	10	9	10	S. W.	S. W.	S.	12 m.	-	-	-		
22	67	72½	69½	29.478	29.470	29.463	10	10	4	S. W.	S. W.	S. W.	-	-	-	-		
23	66	78	69	29.478	29.453	29.475	7	8	10	S. E.	N. E.	N. E.	3½ p. m.	-	-	-		
24	68	73	66½	29.438	29.388	29.322	10	9	10	N. E.	N. E.	N. E.	-	-	-	-		
25	64	75	69	29.104	29.101	29.119	10	8	9	N. E.	S. W.	S. W.	-	9 a. m.	.65	-	Dense fog A. M.; light r'n Drizzling rain. [P. M.	
26	65	76	65	29.184	29.199	29.278	0	4	4	N. E.	S. W.	N. W.	-	-	-	-		
27	67	76½	67	29.312	29.278	29.278	1	4	10	S. W.	S. W. ²	S. W. ²	7.5 p. m.	p. m.	.37	-	Showers.	
28	62½	-	59	29.301	-	29.301	7	-	2	S. W.	-	-	-	-	-	-	-	
29	57	69	65	29.294	29.304	29.341	4	8	9	N.	N. W. ⁴	N. W.	-	-	-	-		
30	62½	74	62	29.420	29.348	29.279	1	1	0	N. W.	S. W.	S. W.	-	-	-	-		
31 ☺	65	76	64	29.134	29.072	29.144	6	10	1	S. W. ²	S. W. ²	S. W. ¹	-	-	-	-	Very light showers, P. M.	
Means.	65	76	67	29.395	29.367	29.383	5.4	5.9	5.3	Amount.			5	76	5	76		

METEOROLOGICAL OBSERVATIONS—SEPTEMBER, 1860.

Moon's Phases.	Days of the month.	THERMOMETER.				BAROMETER.				CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.	
		7 A. M.		9 P. M.		7 A. M.		9 P. M.		10—covered.		Direction and Force.			Hour.		Inches.			
		7 A. M.	2 P. M.	9 P. M.	Mean.	7 A. M.	2 P. M.	9 P. M.	Mean.	7 A. M.	2 P. M.	9 P. M.	7 A. M.	2 P. M.	9 P. M.	Began.	Ended.	Water.		Snow.
	1	60	71	62	64	29.240	29.289	29.335	1	9	0	S. W.	N. W. ²	N. W.	-	-	-	-	-	
	2	55	66	55	59	29.541	29.545	29.614	0	1	0	N. W.	N. W. ²	N. W.	-	-	-	-	-	
	3	53½	69	59	60	29.756	29.741	29.412	1	0	0	N. W.	N. W.	N. W.	-	-	-	-	-	
	4	59	72	60	64	29.410	29.404	29.575	0	2	4	S. W.	S. W. ²	S. W.	-	-	-	-	-	
	5	62	75	70	69	29.412	29.320	29.313	10	9	10	S. W.	S. W. ²	S. W.	-	-	-	-	-	
	6	-	82	68	-	-	29.339	29.308	-	8	2	-	W.	S. W.	S. W.	-	-	-	-	
	7	69	80	72	74	29.357	29.298	29.294	3	5	10	S. W.	S. W.	S. W.	-	-	-	-	-	Shower 4 P. M., slight; [aurora.
	8	71	64	55	63	29.110	29.103	29.135	10	10	10	N. E. ²	N. E. ²	N. E. ²	-	-	-	-	-	
	9	46	51	46	48	29.383	29.433	29.492	10	9	0	N. E. ²	N. E.	N. E.	-	-	-	-	-	
	10	-	-	54	-	-	-	29.395	-	3	3	-	-	N.	N.	-	-	-	-	
	11	54	65	58	59	29.416	29.327	29.179	3	5	9	W.	W.	W.	-	-	-	-	-	Frost A. M. Frost A. M.
	12	56	56	57	56	28.918	28.908	29.011	10	9	10	E.	N. E.	N. E. ³	-	-	-	-	-	
	13	49	59	51	53	29.159	29.237	29.532	3	2	1	N. ³	S. W. ²	S. W.	-	-	-	-	-	
	14	55½	69	56	60	29.741	29.747	29.787	1	4	0	N. W.	N.	S. W.	-	-	-	-	-	
	15	54	74	59	62	29.776	29.718	29.709	4	1	1	S. W.	S. W.	S. W.	-	-	-	-	-	Light frost A. M. Brilliant aurora.
	16	58	74	62	65	29.606	29.524	29.472	1	1	1	S. W.	S. W. ²	S. W.	-	-	-	-	-	Hazy 7 A. M. and seq. Brief, light shower 7 P. M.
	17	63	72	64	66	29.422	29.366	29.405	8	9	3	S. W.	S. W. ²	S. W.	-	-	-	-	-	[2d time this year.
	18	58	72	58	63	29.508	29.488	29.543	0	1	0	N.	W.	S. W.	-	-	-	-	-	Fog A. M.; P. Japonica bl. Rain beginning in mist. Irregular rain.
	19	56	72	64½	64	29.581	29.556	29.538	1	10	10	W.	S. W. ²	S. W.	-	-	-	-	-	Hazy A. M.
	20	65	70	70	68	29.431	29.249	29.204	10	10	10	S. E. ²	S. E.	S. E.	-	-	-	-	-	Rain; thunder & light- [ning; aurora.
	21	55½	61	52	56	29.167	29.146	29.492	10	6	0	N. W. ²	N. W. ³	N. W.	-	-	-	-	-	Light frost A. M. White fr. A. M.; ice for'd. W. fr. A. M.; {in. ice for'd.
	22	50	63	54	56	29.588	29.514	29.528	0	1	1	W.	W. ²	W.	-	-	-	-	-	Heavy fr.; fog in low g'ds.
	23	55½	66½	55	59	29.497	29.522	29.592	2	4	7	W.	N. E.	S. W.	-	-	-	-	-	
	24	56	68	61½	62	29.594	29.482	29.440	10	4	9	E.	S. E. ²	S. W.	-	-	-	-	-	
	25	64	63	56	61	29.240	29.026	29.117	9	10	0	S. W.	W. ²	S. W. ²	-	-	-	-	-	
	26	51	57	50	53	29.253	29.352	29.530	1	3	1	W. ⁴	W. ⁵	N. W. ²	-	-	-	-	-	
	27	44	55	47	49	29.670	29.596	29.574	8	9	0	W.	W.	W.	-	-	-	-	-	
	28	43	57	42	47	29.410	29.339	29.595	7	4	0	W.	N. W. ³	N. W. ²	-	-	-	-	-	
	29	36	48	40	41	29.734	29.703	29.708	1	1	5	N.	W. ²	N. W.	-	-	-	-	-	
	30	34	47	36	39	29.846	29.834	29.897	0	1	1	N. E.	N. E.	N. E.	-	-	-	-	-	
Means,		54	65	56	58	29.459	29.416	29.454	4.4	4.1	3.5				Amount,			6.02		

Amount of Rain and Snow registered at the State Lunatic Hospital, Worcester, Mass., for Nineteen Years.

YEAR.	DECEMBER.		JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		TOTAL.		
	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.	Inches Rain.	Inches Snow.
1841-2,	4.77	6.	1.35	5.	4.13	3.	2.24	4.	2.82	-	4.93	-	1.96	-	7.12	-	3.50	-	.83	-	3.36	-	3.36	-	40.25	18.	
1842-3,	5.30	26.	4.45	30.	4.45	30.	5.25	26.	3.13	10.	4.15	-	3.39	-	9.19	-	1.25	-	5.19	-	3.63	-	3.63	-	51.69	94.	
1843-4,	2.28	23.	3.14	13.5	1.44	12.	3.80	18.5	.35	-	3.67	-	3.50	-	3.39	-	3.68	-	7.34	-	3.06	5.	3.06	5.	37.57	72.	
1844-5,	2.05	8.	4.17	12.	2.61	20.	3.29	10.	1.61	-	3.23	-	2.91	-	2.36	-	2.57	-	4.44	-	6.77	4.	6.77	4.	39.66	54.	
1845-6,	5.39	13.	2.92	13.	2.50	30.	3.33	-	1.34	-	5.85	-	3.81	-	2.44	-	.90	-	2.19	-	4.08	5.	4.08	5.	37.12	61.	
1846-7,	2.87	9.	4.66	5.	4.08	17.	3.89	8.	1.67	-	1.63	-	4.86	-	4.20	-	7.17	-	2.87	-	3.75	-	3.75	-	46.94	39.	
1847-8,	4.93	10.5	3.08	4.5	1.61	25.	3.89	6.	1.52	5.	6.82	-	3.13	-	3.19	-	2.36	-	5.75	-	1.94	8.	1.94	8.	39.53	59.	
1848-9,	3.93	25.	1.30	14.5	1.30	2.	6.30	3.	1.95	-	3.56	-	1.60	-	4.28	-	2.49	-	6.45	-	4.11	-	4.11	-	38.20	44.5	
1849-50,	3.12	8.5	4.79	15.	3.23	2.	3.67	20.	5.53	13.	7.50	-	3.75	-	6.05	-	7.92	-	3.37	-	2.14	5.	2.14	5.	54.42	59.	
1850-1,	4.19	23.5	2.07	2.5	4.01	1.5	1.40	18.	6.76	-	4.73	-	2.17	-	1.97	-	2.50	-	7.04	4.	5.68	5.5	5.68	5.5	45.68	55.	
1851-2,	2.30	5.5	5.44	15.5	2.46	11.5	3.42	13.5	10.77	23.	3.50	-	3.53	-	11.38	-	3.36	-	3.89	-	5.88	4.	5.88	4.	59.	73.	
1852-3,	4.78	4.	3.02	10.	8.09	11.	3.60	8.	4.92	-	4.45	-	3.29	-	10.71	-	5.26	-	6.20	-	5.30	-	5.30	-	59.65	33.	
1853-4,	3.79	29.5	2.82	7.5	6.62	15.5	3.45	-	6.69	-	6.78	-	3.05	-	.35	-	5.53	-	5.03	-	9.82	2.5	9.82	2.5	59.51	46.	
1854-5,	3.43	15.5	8.11	9.	4.48	8.	.23	4.	5.39	-	1.64	-	4.19	-	4.06	-	.20	-	8.17	-	5.85	2.	5.85	2.	55.05	38.5	
1855-6,	6.90	10.5	4.60	27.5	1.35	9.	1.69	10.2	3.34	-	6.55	-	2.68	-	13.14	-	3.39	-	2.65	-	2.03	2.5	2.03	2.5	49.76	69.7	
1856-7,	4.08	3.	4.48	29.	2.24	6.5	2.80	11.75	8.87	-	4.56	-	3.80	-	5.75	-	4.92	-	3.93	-	3.12	-	3.12	-	51.89	50.25	
1857-8,	5.33	9.	1.10	8.5	1.10	4.5	2.29	-	3.37	-	4.13	-	4.18	-	4.00	-	5.70	-	3.09	-	1.69	4.62	1.69	4.62	42.07	26.62	
1858-9,	4.09	6.25	3.67	18.75	3.67	18.75	7.71	4.75	2.90	1.	3.65	-	5.17	-	5.45	-	4.00	-	2.46	-	3.	-	3.	-	48.31	53.78	
1859-60,	4.55	19.	1.34	14.75	2.77	20.	2.26	6.75	1.36	-	2.66	-	6.65	-	5.76	-	6.02	-	-	-	-	-	-	-	41.28	60.50	
Sums,	80.09	245.75	68.10	218.80	6.14	259.75	64.49	169.82	75.30	52.	80.51	-	65.51	-	104.79	-	72.72	-	81.09	4.	75.21	43.62	75.21	43.62	897.58	1006.85	
Means,	4.21	12.93	3.58	11.51	3.27	13.67	3.39	8.93	3.97	2.74	4.24	-	3.45	-	5.51	-	3.83	-	4.5	.21	4.18	2.42	4.18	2.42	47.24	52.99	

Weather and Wind, 1859-60.

WEATHER AND WIND.	October.	November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	Septemb'r.	Total.
Number of days clear,	1	-	1	-	-	3	1	-	-	-	-	-	6
Number of days cloudy,	30	30	30	31	29	28	29	31	30	31	31	30	360
Number of days rainy,	6	8	17	14	14	11	15	6	13	17	15	8	144
Number of days N. wind,	-	2	-	-	-	-	-	-	1	-	-	-	3
Number of days N. W. wind,	11	4	9	4	7	7	4	-	4	6	1	2	59
Number of days W. wind,	-	2	-	-	-	1	-	-	1	-	-	3	7
Number of days S. W. wind,	6	6	2	5	5	6	4	2	4	9	8	4	61
Number of days S. wind,	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of days S. E. wind,	-	-	-	-	-	1	-	1	-	-	-	1	3
Number of days E. wind,	-	-	-	-	-	-	-	-	-	-	-	-	-
Number of days N. E. wind,	3	-	6	1	3	2	5	4	5	2	1	2	34

REMARKS.

By clear days is meant days entirely clear; *i. e.*, no cloud whatever being visible.
By rainy days, that more or less rain fell, without any reference to quantity.

Flowering Season on Hospital Hill for Twenty-Two Years.

TREES, SHRUBS, ETC.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.
Almond, Flowering, . . .	May 12	May 13	May 25	-	May 25	May 4	May 10	May 6	May 25	May 12	May 23
Apple, . . .	10	11	17	May 9	14	2	8	4	22	9	18
Arbutus, Trailing, . . .	-	-	April 28	March 27	-	April 10	-	April 2	-	April 6	April 13
Ash, Mountain, . . .	April 18	April 30	May 8	April 23	25	-	23	-	29	-	June 3
Bloodroot, . . .	-	April 19	June 4	April 23	29	-	25	May 12	1	22	-
Calicanthus, . . .	-	May 23	May 15	April 24	9	-	27	May 15	28	-	May 6
Cherry, Wild, . . .	May 6	April 25	May 21	May 5	15	21	April 5	April 27	10	May 13	May 19
" " Wild, . . .	April 8	April 1	-	April 7	15	27	April 12	9	24	April 10	April 20
Crocus, . . .	-	April 26	16	May 1	8	-	25	28	12	23	-
Currant, Missouri, . . .	-	23	1	April 16	9	23	23	19	10	15	29
Dandelion, . . .	-	-	-	April 1	-	8	March 28	3	20	3	2
Daphne Mezereon, . . .	-	-	8	May 1	-	17	April 29	-	2	-	-
Fever Bush, . . .	-	20	28	May 14	-	-	May 22	16	25	May 19	May 24
Geranium Maculatum, . . .	May 21	May 18	27	-	25	-	May 15	May 13	27	16	-
Honeysuckle Tart., . . .	13	16	-	-	21	-	15	-	-	June 12	June 19
Horse-Chestnut, . . .	-	20	-	-	21	-	15	-	-	April 14	April 23
Hyacinth, . . .	-	-	-	-	April 29	-	1	April 22	12	-	7
Leatherwood, . . .	April 16	April 16	April 24	April 12	25	16	April 21	13	25	May 17	May 24
Lilac, . . .	May 16	May 16	May 27	-	May 24	4	May 22	8	25	May 21	June 3
" Persian, . . .	May 18	-	30	-	29	-	22	17	-	April 24	April 30
Liverwort, . . .	April 9	April 10	April 23	May 30	30	12	April 21	15	9	April 16	May 11
Maple, Red, . . .	-	-	25	May 3	28	April 12	-	10	21	May 17	May 5
Narcissus, . . .	May 5	May 1	19	April 22	12	24	May 1	25	11	May 17	May 7
Peach, . . .	-	-	-	April 22	14	26	3	23	11	April 26	June 3
Pyrus Japonica, . . .	-	-	-	-	-	15	22	17	5	May 23	June 6
Rose, Russian, . . .	June 2	June 3	-	-	-	May 15	20	May 17	23	May 23	June 14
" Scotch, . . .	May 27	May 26	-	-	-	April 20	4	-	9	27	May 7
Shad Bush, . . .	May 2	May 27	-	-	13	May 15	29	-	9	27	May 2
Violet, Blue, . . .	-	-	-	-	1	April 15	-	April 27	9	5	-
Wind Flower, . . .	April 20	April 24	7	-	-	April 18	-	-	9	25	-

Flowering Season, &c.—Continued.

TREES, SHRUBS, ETC.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	1859.	1860.
Almond, Flowering, . . .	May 23	May 15	May 18	May 15	May 20	May 19	May 22	May 25	May 17	May 8	May 10
Apple, . . .	April 18	April 14	April 17	April 10	April 14	April 15	April 17	April 2	April 15	April 10	April 11
Arbutus, Trailing, . . .	June 6	June 1	June 5	May 22	May 30	June 12	May 31	May 16	June 6	May 26	June 4
Ash, Mountain, . . .	-	April 23	May 3	April 26	June 12	May 12	-	May 13	April 26	May 4	May 3
Bloodroot, . . .	3	May 23	May 25	June 4	June 6	June 4	20	June 5	April -	25	19
Calicanthus, . . .	5	April 20	9	April 30	May 8	May 7	10	May 9	May 1	4	4
Cherry, Wild, . . .	-	-	10	April 27	May 16	April 14	13	May 13	April 10	-	-
Crocus, . . .	April 10	4	April 9	7	April 10	April 12	6	March 23	April 1	-	14
Currant, Missouri, . . .	May 6	25	May 12	23	May 7	May 11	14	May 2	May 7	5	3
Dandelion, . . .	April 15	22	May 3	22	May 10	April 17	2	April 16	April 6	March 31	23
Daphne Mezereon, . . .	6	March 30	April 14	8	April 20	April 24	16	March 31	April 3	April 13	6
Fever Bush, . . .	-	-	May 11	30	May 8	May 30	May 3	-	-	-	-
Geranium Maculatum, . . .	May 30	May 18	May 28	May 22	May 30	May 23	June 1	May 29	May 24	May 24	23
Honeysuckle, Tart, . . .	3	19	24	13	June 30	June 23	May 25	May 27	May 25	May 22	18
Horse Chestnut, . . .	22	April 12	28	17	June 2	June 20	May 24	May 26	May 28	May 22	23
Hyacinth, . . .	April 18	April 12	4	April 25	May 6	June 16	April 17	-	-	-	22
Leatherwood, . . .	May 13	May 18	27	May 17	May 6	May 10	-	-	-	-	18
Lilac, . . .	28	May 18	27	May 17	June 22	June 20	May 24	May 26	May 16	May 17	20
" Persian, . . .	7	25	24	19	June 26	June 17	31	-	-	26	18
Liverwort, . . .	April 26	April 22	25	April 23	April 30	April 2	-	April 19	April 1	April 24	8
Maple, Red, . . .	23	May 3	28	May 11	May 23	April 19	2	May 22	May 1	-	-
Narcissus, . . .	May 27	May 19	May 29	May 26	May 28	May 30	18	May 14	April 28	-	5
Peach, . . .	6	5	11	April 30	June 9	June 8	13	June 14	April 28	May 7	31
Pyrus Japonica, . . .	6	April 30	9	June 30	June 10	June 1	12	June 12	May 1	May 31	5
Rose, Russian, . . .	8	May 24	9	June 2	June 6	June 4	3	June 12	April 30	-	7
" Scotch, . . .	14	June 6	20	June 6	June 10	May 26	10	May 27	April 30	6	5
Shad Bush, . . .	7	May 6	April 28	May 4	May 30	May 10	16	May 22	May 5	4	28
Violet, Blue, . . .	8	April 24	May 6	April 24	April 12	May 10	15	May 5	May 5	4	-
Wind Flower, . . .	-	April 24	1	23	April 30	3	5	12	April 29	4	-