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THIRTY-FIRST ANNUAL REPORT

OF

THE TRUSTEES

OF THE

STATE LUNATIC HOSPITAL

AT WORCESTER.

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OCTOBER, 1863.

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BOSTON:  
WRIGHT & POTTER, STATE PRINTERS,  
No. 4 SPRING LANE.  
1864.

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# Commonwealth of Massachusetts.

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## THIRTY-FIRST ANNUAL REPORT

OF THE

### TRUSTEES OF THE STATE LUNATIC HOSPITAL, AT WORCESTER.

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

The Trustees of the Worcester Lunatic Hospital beg leave to make the following report of the state of that institution during the year ending September 30, 1863. By the blessing of that superintending Providence, that ever watches over the weak and suffering, the hospital has had another year of prosperity. It has accomplished its usual work, and with the usual success.

At the beginning of the year, October 1, 1862,

	Males.	Females.	Total.
There were in the institution, . . . . .	200	196	396
In course of the year there have been admitted, . . . . .	114	101	215
Under care during the year, . . . . .	314	297	611
Discharged, . . . . .	101	81	182
Died, . . . . .	16	14	30
Leaving in the house, September 30, 1863, . . . . .	197	202	399

Of those (104) who were discharged, 51 males, and 53 females, have recovered so as to be able to resume their previous positions in their families, and their usual responsibilities in

society. Sixty-five, (forty-six males and nineteen females,) have not recovered to this extent, yet so far as to be able to live in their families, and to do some work, and enjoy some of the comforts of ordinary life. The cases of twelve others have resisted all the powers and influences of the hospital for their improvement, and were sent back to their own homes, or to those provided for them by their towns or the State, where, unless they are more favored than others of their degree of disease, they must remain through life as they now are, receiving the various degrees of guardianship and care needed to keep them in the best condition they are capable of enjoying.

#### VARIED CHARACTER OF INSANITY.

Insanity is a malady of manifold phases, varied almost infinitely in strength and combination of elements, as well as in those of the healthy mind and body. As it is rare that any two persons are so nearly alike in form, temperament, and character, or even in countenance, that one cannot be distinguished from the other, so it is equally rare, that the mental perversions, with their complications, are the same in all, or even in any two different patients. Of the manifold mental and moral, as well as physical elements, that enter into and compose the human being, any one, any number, or even all, may be disordered; they may be all equally diseased, or in any variety of degree or combination; and to this extent, and in that form and manner, the man, the possessor of these elements, is insane; otherwise he may be sane.

Some persons think, talk and act calmly, rationally and discreetly, in connection with some subjects, but are excited, insane, and even wild, in connection with others. Some are insane only in certain circumstances, or in certain associations, or places, but are elsewhere sane. Many are insane at home, but are sound when abroad. Some are insane as to certain persons, but not in reference to others. It unfortunately happens sometimes, that the closest and dearest natural and habitual connections, where, in health, life runs most smoothly and joyously, are disturbed and made most wretched, by the mental disease of one or the other of the parties. Thus parents become insane, suspicious, accusatory, quarrelsome in respect to their children, and children in respect to their parents.



Husbands become insane, and morbidly suspicious in reference to their wives, and wives in reference to their husbands; their minds are sometimes disordered in relation to certain others, to friends, acquaintances, even strangers.

In regard to those who are the subjects of these diseased suspicions, fears, aversions, or undue confidence, the emotions take precedence of observation and reason, and become the foundation of all other ideas. The lunatic first suspects or confides, hates or loves, and then his excited imagination invents, shapes, measures, or colors facts to suit and substantiate the preconceived opinion, and the subordinated reason moulds the whole to harmonize with morbid feeling; while, in regard to other persons, these disordered men and women may be entirely sane. In the same manner, certain ideas, places, and associations disturb and craze some, who, elsewhere, and in other connections, and with other subjects, are calm, clear-minded, and able to direct their moral and mental powers with discipline, to the ordinary course of thought, and the usual affairs of life.

#### INSANE NEED VARIED MANAGEMENT.

In view of these diversities of powers in health and disease, and of the manifold varieties of capacities, of thought, labor and enjoyment that are left still sound in the insane, and of their varied liabilities to suffering or torpor, if misused or neglected, it is the first and most important business of the manager of a hospital to thoroughly analyze the mental condition of his patients, and ascertain wherein, and to what extent, they are unsound, what elements are disordered, what ideas, emotions, circumstances, or persons, disturb or depress them, what elements in them are yet healthy, and what they can do or bear without faltering. This is not only the first work of the superintendent, but it must be continued and renewed, day by day, to meet the patient's varying conditions, and enable him so to arrange and measure out his treatment as to avoid every disturbing cause and keep the excited and diseased elements dormant, the healthy elements active, and the patient sound in as many of his powers, and as large a part of the time as possible.

Some lunatics do this by their own self-analysis and self-discipline. They know their own weak points, and carefully avoid

those ideas, persons and burdens that create disorder, as a cautious, self-denying dyspeptic ascertains what food he can, and what he cannot digest, and then refuses all those articles that the stomach cannot dissolve, and eats only such as can, easily and without pain, be converted into the nutriment of the blood.

Thus the sagacious physician of mental diseases, in a hospital and elsewhere, determines and applies his treatment, his guardianship and his aid, his means and measure of restraint, his kind and degree of encouragement and support for each patient, according to the peculiarities of his case, and these are varied from day to day, to conform to the variations of the disordered elements, in improvement or deterioration. This, of course, requires an acute power of analysis in the physician, and an intense and unremitting habit of observation of the mental states of his patients; but the reward is great in the success of his treatment, and the blessing to his patients is rich in the amount of comfort and sanity enjoyed during the healing process, and the earlier and more frequent returns to health.

Some patients cannot manage themselves as other men and women do at home, yet require only a guardianship to watch over them. These can be kept in discreet families, to whom, or to whose head, they feel responsible, and who watch over, advise and direct them as far as needed. With this amount of support, they are sustained in healthy action, and generally in tolerably good mental and moral condition; but, if removed from this, they falter, wander, indulge in strange ways, and in morbid thoughts, and manifest mental unsoundness. Some need a more constant guardianship than can be found in a private family, and must be under the government of a hospital which exercises a similar, but more effective supervision.

With this protection and aid, they generally conduct themselves as others do, they engage in employments, use their powers, and enjoy life, in various ways and degrees, according to the nature and power of their disorder. When some are removed and defended from the causes that excited and disturbed them, when they are protected in those elements which are most exposed, and sustained in those which are weak, when they are separated from the persons, associations, scenes, circumstances, and ideas, in regard to, or in connection with,

which they are insane, and, as long as this protection and support are given them, their sane elements only are brought into action. These absorb their attention, and occupy their active powers, and always enure to the patient's comfort and advantage, and sometimes to his profit.

In the management of the patients in this hospital, the superintendent has found the practice of these principles both profitable and very convenient. Giving every one the largest liberty consistent with his disease and liability, he has left each to the exercise of his faculties, and the enjoyment of his powers, as far as these could be used and enjoyed sanely, and allowed and encouraged him to be a law unto himself, so far as that law was consistent with reason and common sense.

There are, and have been connected with this institution, patients under every degree of guardianship, from some, who were never permitted to go out of the wards without a watchful custodian, to those who only sleep in its rooms, and eat at its tables, but go out and come in, and attend to affairs abroad, as men do in other positions, except that they thereby acknowledge the authority of the officers over them, and govern their conduct and conversation in accordance with the opinions and wishes of the heads of the establishment.

One patient, whose disordered or unbalanced mind would not allow him to live, nor to conduct himself as other men at home, nor enable him to manage his affairs with discretion, was placed under the guardianship of the hospital. Dr. Bemis soon saw his weakness and his remaining power, and advised him to resume his ordinary business, that of an itinerant pedler in Worcester and its vicinity, but to return to the hospital for his meals, and at night. By this aid, keeping himself responsible to the hospital managers for his propriety of conduct, and reporting himself thus frequently, he gained power over himself, week by week, and at length recovered, and went to his home, and engaged in his accustomed business there.

Another was a mechanic, with similar disability from mental disorder, and in similar need of the hospital influence; yet, with a similar power of self-management, when aided by the supervisory watchfulness of the physicians of the institution. He went daily abroad, and worked in the shops and among the people of the city, but ate and slept in the hospital, and, after

months of this limited but effective guardianship, he regained his mental health and returned to his home.

One patient, a male, has daily worked in the neighborhood at such employment as he could procure, receiving his wages at night, and has placed in one of the savings banks about one hundred dollars, the result of his labors. He is still insane, and unable to live at home, but with the care and control of the hospital, he gets along without trouble.

Three of the patients, who had been accustomed to light labor when in health, have during a part of the year, worked in stores in the city, waiting behind the counters, or carrying out goods daily and returning to the hospital for their meals, and at night to sleep, and only by frequent trials were they able to break up their connection with the institution. At first taking their meals away, and at last sleeping at home, and finally becoming so well as to be discharged from all custody and care.

The foregoing are the extremes of mental power among the insane, and they required the lowest degree of guardianship; but there are all grades of liberty and restraint, from these down to those who are sometimes temporarily confined to their own rooms. Some other patients go out and come in at pleasure. Some walk about the town alone; some visit in the families of friends, and some go a shopping. Many do these in company with an attendant; many men work on the farm, in the garden, or the grounds about the house, in the shops, some alone, but generally under supervision. Many women work in the wash-room, the ironing room, the sewing rooms, and perform their labors with the same apparent regularity and discipline as other people abroad. These at times, and others at any time, read, play games, chess, back-gammon, cards, &c., and some are musicians. They talk, they take interest in the affairs of the world; they discuss the war, politics, religion, agriculture, and other matters of general or special interest, or indulge in pleasant chit-chat, frivolous little talk, as other men and women do at their homes.

Under the direction of the Superintendent, the patients—male and female—gather in occasional or weekly parties, which are attended by most of the household, by all whose condition and health justify it. They look forward to these assemblings

with manifest satisfaction; they get themselves in readiness; the gentlemen dress themselves with propriety, and the ladies put on such outward adornments as may be there within their reach. Then there may be seen a social party of men and women, elsewhere and at other times insane, but now and here apparently sane, engaged in plays, conversation, and at times in dancing, and other means of social enjoyment, as men and women are at their gatherings in the outer world.

About three-fourths of the household meet in the chapel on Sunday, and every evening of the week for religious worship. They have also frequent lectures, given by friends of the hospital, on such topics as are treated before popular lyceums. The patients go gladly to these meetings; they esteem it a privilege to be allowed to be there, and a privation to be kept away. The excitable sometimes beg to be permitted to attend, and promise to keep quiet if they can be so indulged. It is extremely rare that this promise is broken, or that any violation of decorum is manifested. The patients listen to the prayers, the Scriptures, and the lectures with apparent attention, and some of them afterwards talk of what they have heard, and discuss the topics that have been presented to them.

If a person, who is not familiar with mental disorder, were to be present at these parties, chapel services or lectures, and observe the order, quietness and propriety of manner of these patients, or hear their remarks, on the following day, upon what they had heard, he would find little reason to suspect that he was in a house of lunacy, and among its appropriate inmates; and yet, if he would analyze these men and women, and unveil their secret hearts and understandings, he would find among them all sorts of insane delusions, and all the varieties of perverse and maddening emotions which are suppressed and kept dormant by the soothing, cheering, appropriate and healthful influences of the hospital. These diseased elements, though sleeping, are yet not dead, but may be quickened into action, and would be so quickened if they were exposed to the ordinary trials and irritations of the world, or were engaged in the common business of life, or should attempt to bear the usual responsibilities of society.

Few are insane in all their elements; very few keep their insane elements at all times in action, or present or manifest

their insanity in all their intercourse with the world. On the contrary, most are only partially insane; they may think and talk wildly on some subjects, and in relation to some persons, matters, or things, but they think and talk rationally in regard to many, perhaps most others. A stranger passing through the wards, the shops, or the working rooms, might have no occasion or reason to suspect that he was among lunatics, whose mental machinery could not run in the world's channel without disturbance or breaking down, because while there, so far as he can see or judge, this machinery seems to run smoothly.

The visitor might hold occasional conversations with some, and even talk frequently and long with others, without discovering any mental aberration; yet if he should try them in their weak elements, or touch their unsound places, he will find, among these persons, that appear to be so calm and rational, and are apparently sané, that one believes that he is immeasurably rich, and holds millions in the public funds. Another, that he is a pauper, although he really owns farms or stores of merchandise, or has money at interest. Some believe that they are just on the verge of poverty, although they are among the wealthiest; another imagines himself a king, a prophet, the Saviour, even the Divinity. Many imagine that they have been guilty of sins impossible to them, and irreconcilable with their habits and character. Some think that they have committed sins beyond all hope of pardon, and they merit and are to receive eternal punishment. Some feel impelled to destroy themselves, and are ready to obey the suicidal impulse if opportunity offers. One has killed, or attempted to kill his wife, child or neighbor, and thought he was ordered by Heaven to do so. One imagines his father and mother, or children, hate him and cruelly persecute him, and he seems to hate them, and endeavors to annoy and persecute them in return. Some others believe their husbands or wives guilty of all manner of infidelities, and are astonished that the world believes them to be virtuous. One believes there is a snake or toad in his stomach; another, that the upper and lower halves of the body are separated. Some think there is no communication between their mouths and their stomachs, or that the stomach is entirely and solidly filled, so that nothing more can enter. In obedience to their delusion, they refuse all food, and are only fed by the

stomach pump, by which means, however, they are well nourished, and otherwise they would perish by starvation, as sometimes happens in the community abroad, where the friends unhappily concur in the belief, and allow the deluded patient to waste even unto death for want of food. One imagines everybody is looking and laughing at her; another, that she is persecuted by enemies, or haunted by evil spirits, which compel her to do what her own spirit and conscience loathe. These delusions are as infinitely various as men's experiences, conceptions and thoughts, and yet the patients may, at most times, and to most persons, present as calm an exterior, and talk in as sane and rational a manner as others out of the hospital.

There is a common notion that an insane man is necessarily a maniac, noisy, violent, and incoherent, and is at all times manifestly crazy, and that he has no rational or consistent thoughts. Thus, those who feign insanity are apt to overstep their purpose by affecting violence, which is far from the common phase of the disease, and they attempt to appear insane in all their conversation and manner. They are apparently fearful of exhibiting one sane thought, or showing themselves as sane in any moment. On the contrary, parties in court attempt sometimes to prove sanity, by showing that, at times, the suspected person was seen to act or heard to talk rationally, as if the absence of manifest insanity, at any moment, hour or day, was proof of permanent sanity. It would be as easy to prove that some suspected men were not guilty of profanity, or others were not intemperate, by witnesses who had seen them when they were not drunken, or heard them talk without swearing.

So apparent to strangers and friends is the sanity of some patients in lunatic hospitals, that they not infrequently suppose that these are needlessly and even improperly restrained, and should be sent back to their families and the world. Sometimes such are taken away; but a short experiment of home and the world, shows that their apparent sanity in the hospital was the result of the influences, support and protection which there surrounded and sustained them, and without which their minds relapse into mental disorder.

By all the varied means at the command of the hospital, the patients are kept calm, and as far as possible employed, body

and mind, in a useful and sane way. The curable are restored to health, and returned to their homes and the world, and engage again in the ordinary affairs of life. The incurable are kept in a comparative or even very comfortable state, and enjoy a degree of calmness and mental clearness which could not elsewhere be accorded to them. The greatest work of the hospital is the restoration of the insane to full mental soundness, but the work next in importance is their partial restoration, and their maintenance in that improved condition, where they enjoy all that their limited health and power permit, and far more than they could at their homes, or elsewhere.

#### CRIMINAL LUNATICS.

Another year's experience has not lessened the importance of the views put forth in the last Report, in respect to the impolicy of the discriminating payment for the support of the State and other patients in the public hospitals; to the want of working capital, the moral wrong, and financial error of sending the insane criminals to live and associate with the honest patients, and of requiring these classes of persons, so widely diverse, and every where else separated, to associate together in these public institutions.

#### PAYMENT FOR STATE PAUPERS.

The Commonwealth, from May, 1857, to September, 1859, paid the full cost of the support of its paupers in the hospitals. From September, 1859, to June, 1862, it paid \$2.50 per week, which was less than the cost; and from June, 1862, to the present moment, it paid \$2.62, which still is short of the expenditure of the hospital on the account of the State. The law of the last session of the legislature again reduced the State payments to \$2.25 a week for the maintenance of its wards, in these public institutions, from October 1, 1863, which will leave a still larger part of the cost of the support of the State paupers to be provided for out of other resources of the hospital. This is peculiarly unfortunate for the institution, inasmuch as the price of provisions, groceries, dry goods, almost every thing needed for the use of the patients, has very greatly increased within the last year, and adds very largely to the deficiency of the State payment for its wards. Unquestionably



the Commonwealth intends that the hospital shall live out of its labors, and that its earnings shall pay its daily and weekly cost of support.

The hospital, having no other means or way of providing for these expenditures, must necessarily assess them upon those who enjoy its benefits, who occupy its wards, wear its clothing, eat its food, and are watched and served by its officers and men. If then the State pays less than its proportion of this cost, this deficiency must be paid by the others. As in matters of trade, every judicious merchant charges the whole cost of his business on the whole body of his customers, and if some contribute less than their part, others must contribute more, and he must assess these burdens on them in unequal proportions, if he would save himself from ruin; so, if one class of patients pay less than the cost of their maintenance, the hospital must charge the deficiency upon the others, in order that the sum total of the payments shall be equal to the sum total of the expenditures.

The law which requires that the town pauper "shall be kept for a sum not exceeding the actual expense of his support," intends that this support shall include more than food, fuel, lights, clothing and personal service,—for with all these, the patients could not be kept without a house, with all the means, rooms and wards fitted for the purpose. House or shelter is every where an essential element of life, and its cost is a necessary part of support, whether in interest on the cost of building or in rent, on such conditions as the lessor may grant to the lessee. The towns and families that send their patients, having no house in which they can be placed, are compelled to hire of any one who has a suitable building. The State owns the hospitals, and offers them on the conditions implied in the law, that those who occupy its wards in company with the State paupers, shall pay all the cost of maintaining the whole establishment beyond the sum offered by the law for the support of beneficiaries of the Commonwealth. The difference between the actual cost of supporting each patient and \$2.62 a week, multiplied by the number of State patients, was the actual rent last year; and that between the actual cost of each and \$2.25 per week, multiplied by the number of State patients, will be the rent of next year; and this has been and must be assumed

and paid by the towns and people that send their insane to the State hospitals, as a part of the actual expense of supporting them. In this connection there are two parties, one the Commonwealth, which owns the hospital, and the other the towns and people collectively, who send their patients to it. The State is the proprietor, and the towns and people are the tenants occupying a little more than half (fifty-five per cent.) of the house.

#### COST OF CREATING THE HOSPITAL.

The hospital, with its lands, buildings, aqueduct, furniture, apparatus for warming and ventilating, its cattle, and all its other materials and property, is the result of the joint contributions of the Commonwealth, towns and families, that have sent their patients to it, and charitable individuals. The town of Worcester, in 1832, bought and paid \$2,500 for the land on which the hospital stands, and gave it to the Commonwealth, not for the use of the treasury in general, but for the use of the insane. At that time there were comparatively few State paupers, still fewer of the State paupers insane, and these were hardly taken into the account. But the insane of Massachusetts, then supported by the towns and their friends, were principally natives of this country, and were chiefly in the minds of the donors. The great burden of foreign insane pauperism has been mostly the growth of later years. Nevertheless, the land was conveyed to the State, which holds the legal ownership. Mr. McCarty gave \$500, which was used to improve and ornament these grounds, and fit them for their intended purpose. The Commonwealth built the original hospital in 1832, and added two wings in 1836-7, and paid for them out of the public treasury. In 1842-3, the other wings were added, and paid for out of the legacy of Mrs. Johannot, which amounted in all to \$44,346.17, all of which was expended in the buildings and improvements of the hospital; but the State assumed the payment of several annuities which Mrs. Johannot had devised, at that time, amounting to \$2,520, and now to \$1,540 a year.

The hospital was built according to the best ideas of the time. Yet, as in all other matters, many improvements have been made in the structure of such buildings, and it has been found that the insane can be better managed and more easily

and certainly restored by some different architectural arrangements. Many changes, therefore, have been made; all the strong rooms have been three times removed, and twice replaced with new and improved apartments, and now all of these are swept away, and pleasant and comfortable rooms stand in their places.

For the original buildings and the addition in 1843, for the aqueduct, barns, strong rooms, and some land, the State at various times, from 1830 to 1849, gave \$122,900.09 to the hospital. Since 1849, all the alterations, additions, improvements and repairs, and renewals, have been at the cost of the hospital, or rather of its tenants. If nothing farther had been done besides that which the Commonwealth had done, the house and barns would have been useless for the purposes of the insane, and untenable for any purpose. That hospital, with its additions, the strong rooms, barns and aqueduct, &c., which the State delivered to the trustees in 1832, '37, '43, '44, '47 and '49, was long ago so decayed, or worn out in some of its necessary parts, that it could not be used for the residence and treatment of lunatics unless they were repaired or renewed; and even if there had been no decay, the original structure and arrangement would have made it unfit to be used for the care and custody of the insane, as they are now managed.

The heating and ventilating apparatus have been more than once entirely worn out and renewed. The six kitchens, which were all in operation, at one time, have been swept away, and a new one built, which serves the whole establishment with greater convenience and economy. In every ward, two of the small sleeping chambers have been converted into sitting-rooms for the patients, and some others have been converted into common dormitories. A new central wing, a new chapel, new reading and work rooms, a new laundry, washing and ironing rooms, with the suitable apparatus, and a steam-engine, and a revolving drying machine have been built. The old barn, sheds and infirmary have been taken away, and others, large and commodious, have been substituted for them. The roof has been from time to time repaired, the rooms and halls repeatedly painted and papered, and their walls ornamented with pictures, the furniture has been renewed, a new warming apparatus has been introduced, by which steam-heated air is

driven to all the wards by a fan and a powerful steam-engine, and gas introduced through all the house. All these, and all the other improvements necessarily arising in so progressive a science, as the treatment of insanity, and the adaptation of the house and furniture and material to this purpose, all the repairs, renewals and alterations required in a house used through thirty years, by the wasteful and destructive class that occupy a hospital; all these have been done and paid for by the hospital, or the tenants, and not by the legal proprietor.

For these purposes of creating the hospital, and making it what it has been and now is, and enabling it to accomplish its appointed work, the following sums have been contributed by the State, the hospital, and individuals, as nearly as can be ascertained.

*State appropriations for the lands, buildings, improvements, &c., of the Worcester Hospital, as found in the several volumes of the Laws and Resolves, from 1830 to 1863, inclusive:*

1830. Mar. 10.	For erection, a sum not exceeding . . .	\$30,000 00
1832. Mar. 24.	For erection, . . . . .	20,000 00
1834. Mar. 9.	For building commissioners, balance due,	437 90
	For services and expenses of do:	
	Horace Mann, . . . . .	\$970 86
	Bezaleel Taft, . . . . .	1,235 78
	William B. Calhoun, . . . . .	580 04
		—————2,786 68
1835. April 7.	For enlargement, to be drawn one-half in 1835, and one-half in 1836, . . . . .	25,000 00
1836. Mar. 30.	For aqueduct, . . . . .	3,000 00
1837. Mar. 29.	For completing the enlargement, . . . . .	10,000 00
	the chapel, . . . . .	3,000 00
	purchase of land, . . . . .	7,000 00
1838. Feb. 19.	For the building commissioners, the balance of former appropriations, and . . . . .	675 51
	Mar. 31. For infirmaries, . . . . .	2,500 00
1841. Mar. 17.	For purchase of land, . . . . .	500 00
1842. Mar. 3.	For barn and shop, . . . . .	2,000 00
1844. Mar. 13.	For the aqueduct, . . . . .	3,000 00
	the laundry, . . . . .	2,000 00
1847. Apr. 14.	For apartments for furiously insane, . . . . .	6,000 00
1849. May 1.	For apartments for furiously insane, . . . . .	5,000 00
		—————
	Total direct appropriation, . . . . .	\$122,900 09

## JOHONNOT LEGACY.

Beside these direct appropriations, the legislature authorized the Trustees to use the Johonnot fund in enlarging the hospital.

In 1840, George S. Johonnot, and Martha, his wife, of Salem, bequeathed, by will, "to the Board of Trustees of the State Lunatic Hospital at Worcester, all the residue of 'their estate,' to be used and improved for the maintenance of insane persons, and for the benefit of the institution."

This property thus bequeathed, in cash, mortgages, and stocks, was valued at \$45,843.22, but on settlement, \$44,318.17 was realized, and \$28 afterwards received.

The property was charged with annuities to twenty-three persons, and the life support of an old and worthless horse. The annual amount of the annuities was then \$2,520, and the cost of supporting the horse about \$75 a year.

The interest of the property, at six per cent., was \$2,659.09. The Trustees, in their ninth report, said, "it is now believed the income will be equivalent to the charges upon it; but it is feared it will not be."

By a resolve of the legislature, the Trustees were authorized to take charge of and administer this fund, but were required to pay the income into the State treasury, which was to assume the payment of the annuities. The horse was sent to the hospital, and supported at its expense through life.

In 1843, March 18, by a resolve of the legislature, "the Trustees were authorized to erect additional buildings, sufficiently large for the accommodation of one hundred and fifty insane patients, and to provide all necessary accommodations and furniture for the same;" and "to defray the expenses, the Trustees were authorized and directed to appropriate and make use of the principal of the devise and bequest made by Martha Johonnot," "and for this purpose, to sell and convert into money the obligations or securities in which the fund of said devise or bequest now exists or is invested."

By this means, the hospital realized,	. . . .	\$44,318 17
Of this sum, the Trustees expended in building		
and furnishing the new wings,	\$40,106 84	
Dr. Woodward for superintending,	. 500 00—	40,606 84
Leaving a balance of,	. . . .	\$3,711 33

1847, April 14. The legislature authorized the Trustees to expend this balance, together with an appropriation of \$6,000, herein before mentioned, "for the purpose of providing new apartments for the furiously insane patients."

The Trustees expended the appropriation, and of the Johonnot fund, . . . . . \$3,173 77

Leaving a balance of . . . . . \$537 56

In 1848, the Trustees, on settlement with the Ipswich Bank, received, . . . . . 28 00

Making an available unexpended fund of . . . . . \$565 56

1849, May 1. The legislature authorized the Trustees to expend this residue of the Johonnot fund, and also \$5,000, then appropriated as herein before mentioned, "for the purpose of providing new apartments for the furiously insane patients." This was done in that year, and thus the whole of this bequest was converted into the buildings and furniture of the hospital, and the State then and thereafter paid, and is now paying the annuities that were chargeable upon it.

The Johonnot bequest was then practically a grant from the State, to the extent of the value of the annuities at the time the Commonwealth assumed their payment; deducting, however, the amount of the income which the treasury received from it.

There is no discoverable record of any calculation or determination of the value of these annuities in 1843. In 1841, the payments to the twenty-three annuitants were \$2,520, which nearly absorbed the income, \$2,659.09, or the interest, at six per cent., on the amount that was realized from the legacy, leaving only \$139.09 to meet the chances of depreciation or loss. But as these payments were of a decreasing and terminable nature, and have already diminished to \$1,540, and are likely to diminish still more rapidly hereafter, while the income on the property is permanent, it is manifest that these annuities could have been purchased for a sum less than the amount given by Mr. and Mrs. Johonnot.

There were twenty-five annuitants named in the will, of whom two died before the testator, and twenty-three survived

and received the sums specified. These annuities varied from sixty to two hundred dollars each. The ages of the annuitants varied from seventeen to seventy-nine years; and the worth of these annuities, in 1842, varied in the compound ratio of these two classes of facts. But calculated according to the expectation of life at these several ages, and money at five per cent. interest, their total value, in 1842, was \$31,974.96.

The specific ages of these twenty-three annuitants, the several annuities granted to them, and the value of them, in 1842, are as follows:—

A G E.	Annuity.	Value in 1842, at 5 per cent.	Remarks.
17, . . .	\$100 00	\$1,612 10	
19, . . .	100 00	1,597 10	Died June 25, 1852.
20, . . .	100 00	1,589 10	
26, . . .	100 00	1,534 10	
27, . . .	100 00	1,523 60	
27, . . .	100 00	1,523 60	Died.
28, . . .	100 00	1,512 70	
29, . . .	100 00	1,501 40	Died December 7, 1860.
30, . . .	100 00	1,489 60	
30, . . .	100 00	1,489 60	
31, . . .	100 00	1,477 40	
35, . . .	200 00	2,847 00	
36, . . .	100 00	1,408 70	
41, . . .	100 00	1,325 20	Died November 18, 1859.
47, . . .	180 00	2,163 60	
49, . . .	180 00	2,081 34	Died October 22, 1851.
51, . . .	100 00	1,108 50	
52, . . .	100 00	1,084 00	
55, . . .	60 00	604 62	
63, . . .	100 00	790 30	
63, . . .	100 00	790 30	Died May 23, 1855.
72, . . .	100 00	545 70	Died February 10, 1855.
79, . . .	100 00	375 40	Died July 29, 1846.
	\$2,520 00	\$31,974 96	

This value of these annuities in 1842 was a charge upon, and should be deducted from the amount of the Johannot legacy.

The cost of supporting the old horse at the hospital five years, at seventy-five dollars a year, in all three hundred and seventy-five dollars, must also be deducted from this bequest.

Then the whole amount realized from this property, \$44,346 17

Less the charges upon it—

Annuities, . . . . .	\$31,974 96	
Support of the horse, . . . . .	375 00	
		32,349 96

Leaves as the total value of the legacy, when given, \$11,996 21

The Commonwealth, in assuming these annuities in 1842, incurred a debt or obligation which could then have been transferred to an annuity company for \$31,974.96; but it received and appropriated to its own uses the interest on the Johonnot property, until it was expended for the enlargement of the hospital. Thus there was paid into the State treasury from this source,—

<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">In 1842, . . .</td> <td style="width: 10%; text-align: right;">\$2,520 00</td> <td style="width: 10%; border-left: 1px solid black; vertical-align: middle;">In 1845, . . .</td> <td style="width: 10%; text-align: right;">\$961 29</td> </tr> <tr> <td>1843, . . .</td> <td style="text-align: right;">2,257 14</td> <td style="border-left: 1px solid black; vertical-align: middle;">1848, . . .</td> <td style="text-align: right;">361 20</td> </tr> <tr> <td>1844, . . .</td> <td style="text-align: right;">2,437 67</td> <td style="border-left: 1px solid black; vertical-align: middle;"></td> <td style="text-align: right; border-top: 1px solid black;"></td> </tr> <tr> <td></td> <td></td> <td style="border-left: 1px solid black; vertical-align: middle;">In all, . . .</td> <td style="text-align: right; border-top: 1px solid black;">\$8,537 30</td> </tr> </table>	In 1842, . . .	\$2,520 00	In 1845, . . .	\$961 29	1843, . . .	2,257 14	1848, . . .	361 20	1844, . . .	2,437 67					In all, . . .	\$8,537 30	
In 1842, . . .	\$2,520 00	In 1845, . . .	\$961 29														
1843, . . .	2,257 14	1848, . . .	361 20														
1844, . . .	2,437 67																
		In all, . . .	\$8,537 30														

Deducting from this the interest, at five per cent., on the deferred payments, in 1843, 1844, 1845, and 1848, \$609.15, leaves \$7,928.15, as the value of these receipts to the State in 1842.

The amount of the obligation, or value of the annuities assumed by the State was, in 1842, . \$31,974 96  
 Deduct from this the value in 1842, of the interest on the Johonnot property then and afterwards, 7,928 15

Leaves as the amount of gratuitous obligation incurred by the Commonwealth, . \$24,046 81

Which must be considered as equivalent to an appropriation from the State treasury for the enlargement of the hospital, in 1843 and 1844, and should therefore be added to the State grants before enumerated, . . . . . 122,900 09  
 Annuities gratuitously assumed, . . . . . 24,046 81

Making total grants for purchase, creation, and furniture of the hospital, . . . . . \$146,946 90



*Contribution of the Hospital to its own improvement, repair and preservation.*

It seems to have been the general policy of the State, that the hospital should, out of its own earnings, pay not only for keeping itself in repair, and for such improvements as medical science might suggest, but also for making such additions, and even for the purchase of such lands as might be deemed necessary for its prosperity, excepting, however, such as have herein before been specified in the account of State appropriations. This is apparent from the negative, and manifest from the positive legislation.

Repairs, improvements, and additional furniture have been necessary in every year, from the beginning. They have been annually made, and purchased and paid for, and their cost annually reported to the government. The cost of these was \$1,541 in 1834, the second year of the hospital, and, except in a single year, it has never been less, but always more, and generally very much more; and, except as before mentioned, the legislatures, who were cognizant of these facts, and whose committees, from year to year, visited the hospital, and commended the care and providence of its managers in thus improving and preserving the institutions, made no provision to meet these expenses. It was well known that the hospital paid for these out of its current receipts, which could be no other than its charges for the board and care of the patients. The absence of any legislation to provide for these inevitable and constantly recurring wants, must be taken as at least a legislative assent to their payment out of the earnings of the institution, and to the corresponding increase of the charge for the support and care of the patients.

Moreover, some of the legislation in respect to the hospital gives positive authority to expend a part of its current receipts for these purposes.

By a resolve of the general court in 1855, chapter 96, "The Trustees are authorized to appropriate from the unexpended balance of funds of the hospital which are applicable to its current expenses whatever sum, in their judgment, the interests of the hospital may require, for the finishing and furnishing of the buildings now in process of erection, and also for the purchase of a certain lot of land."

“That the Trustees aforesaid, be and they are hereby authorized to expend annually from the funds aforesaid a sum not exceeding five hundred dollars, for the purchase of land or other property, or for permanent repairs or improvements, which, in their judgment, will promote the interests of said hospital.”

In 1849, the legislature extended this authority of the Trustees, who “are hereby authorized to purchase land,” “and that the payment for the same be made from the surplus funds now in the hands of their treasurer; provided, the cost of the same shall not exceed the sum of three thousand dollars.” Chapter 101.

In all these cases, the “funds applicable to current expenses,” and “surplus funds in the hands of the treasurer,” were the receipts for board, &c., for the hospital had no other resource, and the legislature had these and no other in view, when they assented to, and authorized, these expenditures.

With the implied consent, and under the direct authority of the legislature, the Trustees, from time to time, have made such repairs and improvements, and such purchases of land and other property as in their judgment were needed to promote the interests of the hospital.

The purchases and amounts of these expenditures, as near as can be now ascertained, were :

1836. Moving and altering barn and out-buildings,	\$610 33
Aqueduct, . . . . .	1,067 33
1848. Land, . . . . .	500 00
1849. Land, . . . . .	2,500 00
1850. Gas-fixtures, in a part of the house, . . . . .	592 61
Damages to W. Hovey, for diversion of water, . . . . .	500 00
Extension of aqueduct, . . . . .	500 00
1950. Steam fixtures for laundry, . . . . .	918 45
1851. Stone wall on Summer st., front of hospital, . . . . .	5,860 49
1852. Iron fence, in front of hospital, . . . . .	2,321 75
1853. Summer-house, . . . . .	555 00
1854. Land, . . . . .	175 00
1855. Steam chimney, in rear of hospital, . . . . .	1,422 60
Removing and fitting up barn and out-buildings, . . . . .	2,000 00
Apparatus for warming and ventilating, . . . . .	6,000 00

Apparatus for warming, ventilating and draining, .	\$28,000 00
For barn and sheds, and large cistern in rear for safety from fire, . . . . .	3,410 61
Dividing Johonnot wards, and fitting up water closets and bath rooms, . . . . .	500 00
For six attendants' rooms in Johonnot wards, . . .	600 00
Water-closets and bath-rooms in centre, . . . .	300 00
Four flights of stairs, . . . . .	250 00
Conveying water from Rattle-Snake hill to stables, .	975 00
Dead walls, dividing attics and fencing courts, . .	300 00
Billiard, reading-rooms and dormitories, in place of old cells, . . . . .	1,200 00
For new centre wing, and alterations in old centre, .	23,029 48
Fixtures for new kitchen and laundry, . . . . .	1,600 00
Rebuilding four rooms in place of old cells, . . .	600 00
For purchase of land, . . . . .	1,425 00
Four porticoes, over outside doors, . . . . .	400 00
Opening and fencing drive-way in front, and replac- ing stone steps, . . . . .	650 00
Ladder house, . . . . .	100 00
Land, at sundry times, . . . . .	4,600 19
	\$93,463 84

Beside these repairs, improvements, and purchases, that have been made at the cost of the hospital, the amount of which has been recorded, and is quoted above, there have been a great variety and amount of other repairs and improvements done by the ordinary force of the hospital, aided by the patients.

No record was made of them, nor was their cost determined, but, nevertheless, they added very greatly to the value of the house and other buildings, and the grounds of the institution, and to its facility of accomplishing its work.

In answer to an inquiry made to Dr. Bemis, by the Trustees, in respect to these labors of the officers and men and patients, he gives, as nearly as can be ascertained and remembered, the following statement:

“Some alterations, made by our own laborers, and for which no price can be named, are as follows:

Cutting out rooms, and making recesses for the purpose of admitting light.  
Constructing several flights of stairs, for safety in case of fire.

- Putting clothes' rooms into many wards.  
 Frequent replacing of wornout fixtures for water-closets.  
 Frequent putting down of new drains.  
 Replacing the old fence around the hospital gardens, by an expensive new one.  
 New covering large cistern in the back yard.  
 Removing stair-ways in centre wings.  
 Removing rooms and arching up recesses to admit light.  
 Laying down several hundred feet of brick drain.  
 Replacing old water-closets by new.  
 Remodelling dining-rooms and attendants' rooms.  
 Laying down lead pipes to convey water from Chandler Hill.  
 Opening the passage-way through the' basement, and putting in two flights of stone steps.  
 Laying down new gas main, and relaying old one.  
 Building a large brick cistern in rear of stables, for safety in case of fire.  
 Removing old buildings, and grading and fencing the grounds.  
 Removing partitions, and finishing up small dormitories in various wards.  
 Fitting up closets and clothes-presses in many rooms in centre building.  
 Fitting up store-rooms in basements.  
 Constant repairs of doors and windows, and replacing window screens.  
 Cutting away partition walls, and fitting up rooms for bowling-alleys.  
 Building grapery, and constructing six work rooms.  
 Placing snow rods on the roof of centre building.\*

\* Since this Report was written, and before going to the press, the dam at the reservoir has been built. Only one man, a stone mason, was hired, all of the rest of the work was done by the ordinary laborers of the hospital and the patients. Sometimes all, and sometimes only a part of the laborers, an average of about four and a half were employed, and an average of about eight patients worked with them. They did all the work of filling the dam with gravel, moving it from the neighboring hill on wheelbarrows. The whole was done in 61 working days.

The patients worked,	467 days.
sane laborers worked,	273
stone mason worked,	56½
Total labor,	—796½ days.
The money expended was, for stone mason,	\$169 50
For use of derrick, and tools at the dam, hired,	61 50
use of derrick at the quarry, hired,	42 00
powder,	31 52
steel for drills,	5 13
plank,	49 00
Total cash cost for the dam,	\$358 65

The whole of which cash, as well as the labor, was contributed by the hospital. Mr. Ball, the engineer, estimated the cost at \$1,010.

“The above are a few of the many things which it has seemed necessary to do, and which would be difficult to fix the cost. The work has been done by our own laborers, hired for the general purposes of the hospital, and who, while performing this labor, were attending to many other duties.”

#### OTHER DONATIONS AND GIFTS.

The town of Worcester, in the beginning, bought the original and present site of the hospital, (twelve acres,) and paid twenty-five hundred dollars for it. They then conveyed it to the State in fee.

At the same time, Nathaniel McCarty, of Worcester, gave five hundred dollars, to be used in preparing and ornamenting the grounds. This was expended for these purposes.

June 2, 1852, Mr. Ziba Storrs, of ——— \* gave five hundred dollars for the same purpose.

October 19, 1853, Mr. Enoch Flagg, of Worcester, gave two hundred dollars for the use of the hospital.

1858, George B. Upton, of Boston, gave fifty dollars for the same purpose.

In 1862, Miss Abigail Wheeler, of Barre, by her will, recorded November 25, 1862, gave one thousand dollars. The gift is simple, direct, and unconditional.

“Thirdly, I give and bequeath one thousand dollars, I have in bank shares, to the Insane Institution at Worcester.”

These shares were worth, at the time of the record, nearly eleven hundred dollars.†

The Trustees considered this gift of charity worthy of preservation, as a monument of the kindness of the donor, and ought to be used to alleviate the burdens of the weak and the suffering. The following extract from their records shows their purposes and their doings in respect to this fund:—

\* No record is found of the residence of Mr. Storrs, but he lived, it is supposed, in the western part of the State.

† Miss ABIGAIL WHEELER, a maiden lady, died at about the age of 70. She had lived with and taken care of an aged and infirm mother for many years. She earned all her little property, about three thousand dollars, with the labor of her own hands, as a tailoress. At her death, beside the bequest to the hospital, as our informant, Dr. Whitcomb, of Barre, her family physician, understands, she gave one thousand dollars to the Unitarian Church of Barre, and her real estate, about a thousand dollars, to her friend and executor.

STATE LUNATIC HOSPITAL, WORCESTER, Mass., }  
November, 25, 1862. }

Meeting at the Hospital. Present, Messrs. Wm. T. Merrifield, Robert W. Hooper, Edwin F. Jenks, Edward Jarvis, William Workman. The Treasurer being present, reported that Miss Abigail Wheeler, late of Barre, had, in her will, given to the hospital ten shares in the banks of Worcester, six in the Central Bank, and four in the Worcester Bank.

On motion of Dr. Hooper—*Voted*, that the Treasurer be authorized to receipt for the legacy of Miss Abigail Wheeler, and that a copy of that clause in the will of the donor be entered in the records of the Trustees. *Voted*, that the donation of Miss Wheeler be made a special fund, the interest to be applied, by vote of the Trustees, for such objects connected with the hospital as they may hereafter determine.

The gift of Worcester is in the land.

The gift of Mr. McCarty was expended in grading the land, and became thereby a part of the real-estate.

The gifts of Mr. Storrs and Mr. Flagge were absorbed in the current expenditures.

The gift of Mr. and Mrs. Johonnot was expended in the Johonnot wings.

The gift of Miss Wheeler is reserved as a permanent charitable fund.

The gift of Mr. Upton was used in the purchase of pictures to ornament and cheer the wards of the patients.

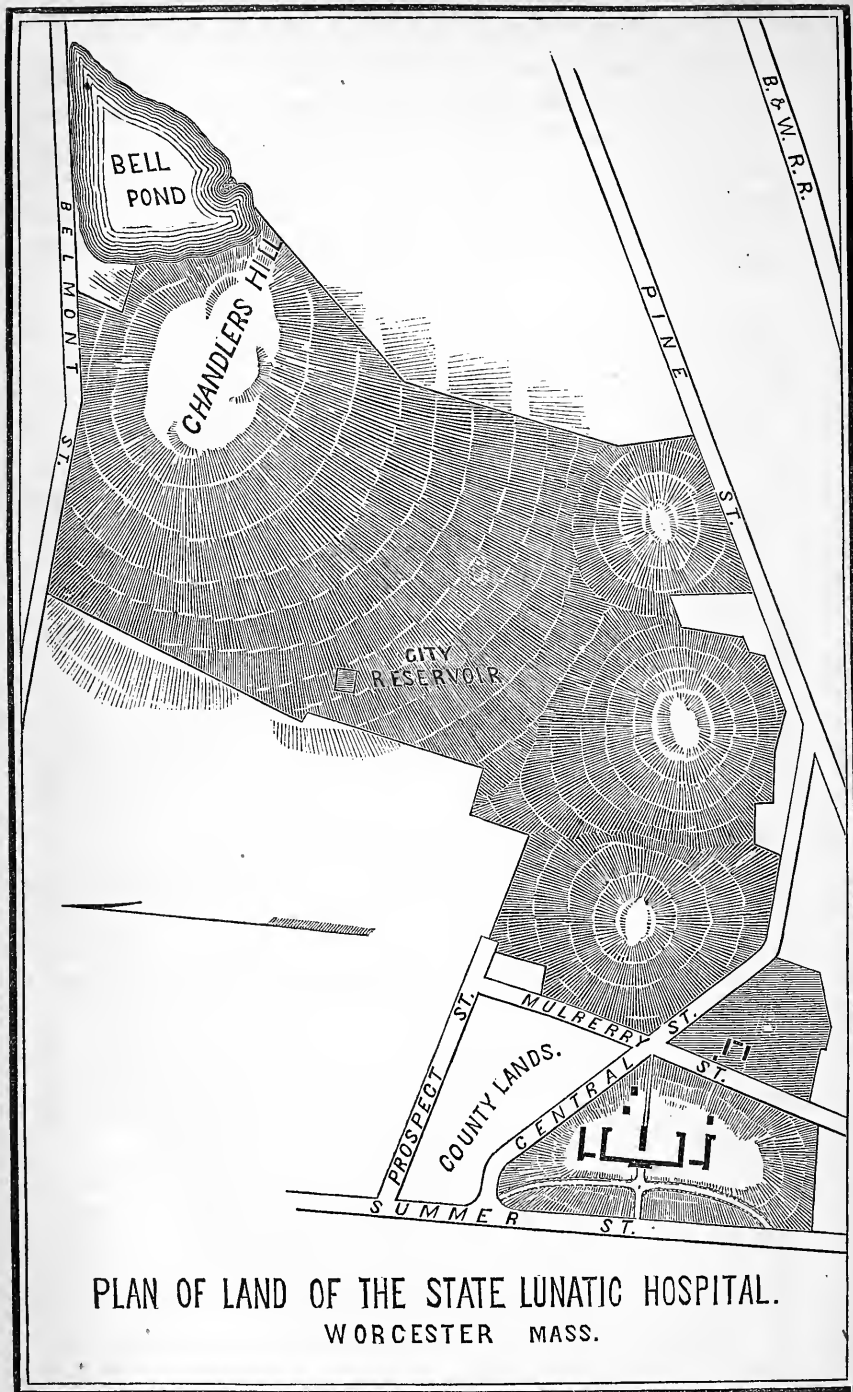
#### LANDS.

The lands now belonging to the hospital are the result of very many purchases, as will be seen by the following analysis of all the deeds now on record at the register's office; and, as has already been stated, they were paid for, as the hospital was built, by the joint and successive contributions of the Commonwealth, the town of Worcester, and the earnings of the institution. According to the record—

The whole cost was . . . . .	\$16,319 31
Of this the State paid . . . . .	\$7,500 00
Worcester paid, . . . . .	2,500 00
the hospital paid, . . . . .	6,319 31
	\$16,319 31

*SCHEDULE of Deeds of Land purchased for the State Lunatic Hospital, Worcester, recorded in the Office of Registrar of Deeds, in Worcester.*

Date of Record.	By whom Given.	Quantity of Land.	Cost.	Number.	Explanatory Remarks.
1830, June 17,	Sammel B. Thomas,	12	\$2,500 00	1.	Hospital Hill. Site of the Hospital.
1837, July 10,	William Eaton,	30	2,500 00	2.	Portion of Kattlesnake Hill.
1837, Sept. 25,	Abijah Bigelow,	2	1,412 50	3.	Balance of East Garden.
1837, Sept. 25,	Abel Sweetser,	163½	100 00	4.	Assigned mortgage on No. 4.
1837, Sept. 25,	Henry Merrill, &c.,	—	250 00	—	Assigned mortgage on No. 4.
1837, Sept. 25,	Abijah Bigelow,	—	550 00	—	Assigned mortgage on No. 4.
1838, Jan. 22,	Abijah Bigelow,	9	2,000 00	5.	Lot on the corner of Mulberry and Central Streets, north-east of Hospital.
1838, Jan. 22,	Abijah Bigelow,	—	1 00	6.	Right of way.
1838, May 29,	William Eaton,	—	75 00	7.	Meadow, north side of Pine Street.
1840, April 21,	Joel Putnam,	2	225 00	8.	"Heater Lot" south side of Pine Street, since exchanged like No. 13.
1840, April 21,	Samuel Putnam,	—	1 00	—	Quit-claim on above.
1840, Sept. 5,	Ivers Phillips,	—	25 00	9.	Triangular piece of meadow—under the ledge—roughly estimated.
1841, April 20,	Asa Matthews,	6	700 00	10.	Lot on hill, north side Central Street, adjoining No. 5.
1841, Nov. 22,	Asa Matthews,	—	1 00	—	Quit-claim on above.
1845, April 29,	Stephen Salisbury,	4	547 81	11.	Chandler Smith's meadow—north side Pine Street.
1847, Jan. 1,	Abijah Bigelow,	4	5 00	12.	Quit-claim deed on portion of East Garden.
1848, Jan. 6,	Stephen Salisbury,	4	675 00	13.	Meadow, near Boston and Worcester Railroad, subsequently exchanged for land near Bell Pond, quantity of land stated in different deeds 5 acres, 109 rods and 4 acres.
1848, Jan. 6,	Stephen Salisbury,	—	25 00	14.	Meadow, south side of Pine Street, since exchanged like No. 13.
1849, May 18,	Stephen Salisbury,	30	3,000 00	15.	Chandler Hill.
1854, Feb. 22,	Samuel Putnam,	—	175 00	16.	Meadow, south side of Pine Street, since exchanged like No. 13.
1858, July 24,	W. A. Williams, &c.,	9	1,275 00	17.	Lot east of No. 10—Held by W. A. Williams, &c., as assignees of Rufus Hastings.
1858, July 24,	Lancaster Savings Bank,	—	1 00	—	Release of mortgage on above.
1859, Mar. 6,	Alpheus M. Merrifield,	—	75 00	18.	Right of way on Chandler Hill.
1859, April 9,	Daniel S. Burgess,	—	200 00	19.	Small house lot projecting into No. 17, quantity roughly estimated.
	Total,	113 45½	\$16,319 31		



PLAN OF LAND OF THE STATE LUNATIC HOSPITAL.  
 WORCESTER MASS.



Thus, so far as can be ascertained from any records at the State House, and at Worcester, and from the annual volumes of the Laws and Resolves of Massachusetts, the means by which the lands were purchased, the buildings erected, the furniture, machinery, &c., bought, and the hospital made what it has been, and now is, were derived from the joint contributions of the State, friends, and the hospital itself.

State, direct appropriations, . . . . .	\$122,900 04	
State, value of Johonnot annuities, in 1842, less the interest received, . . . . .	24,046 81	
	<hr/>	
State total, . . . . .		\$146,946 85
Johonnot legacy, less the charges upon it in 1842, . . . . .	11,996 21	
Interest on Johonnot legacy, until used, value in 1842, . . . . .	7,928 15	
Town of Worcester, . . . . .	2,500 00	
Nathaniel McCarty, . . . . .	500 00	
	<hr/>	
Total gifts for lands, buildings, &c. . . . .		22,924 36
Earnings of the hospital, . . . . .		93,463 84
		<hr/>
Total recorded cost of lands, buildings, and improvements, . . . . .		\$263,335 05

The Commonwealth is the largest contributor to this cost, having given 55.4 per cent. The hospital gave 35.5 per cent., and the friends gave the rest.

As these gifts were made to the hospital for its sole use, and for the benefit of the insane, they may be properly passed to the credit of the institution, which, with its friends, contributed 44.6 per cent. towards its creation.

If, then, any question should arise between the several classes of tenants of the hospital, or their responsible friends, between the State, on one part, and the towns and people, on the other part, as to the right or propriety of freer occupation of the house, and use of its privileges and means, by their patients, or of board and care at a lower charge, in consideration of rent or interest of money invested in the establishment, it should

also be considered, that the State paid 55.4 per cent., and the towns and people, in the profits which they paid on the board and care of their patients, together with the aid of their friends, the donors, paid 44.6 per cent. for this purpose; and this, in equity, should be the basis of settlement of any claims for pecuniary favor that should be made on this ground. In this view of the matter, neither party should be required to pay any more, nor willing to pay any less, than those proportions of that part of the cost of support that may be properly charged to rent, or to interest on money invested in the purchase and construction of the establishment.

Of more importance than all financial considerations, is the fact, that the discrimination of payment for the support of patients, made by the law in favor of the State, is necessarily against the towns and people, and has its natural and secondary effect of diminishing the number of the town and private patients, of embarrassing the free use of these public charities by our own people, and giving them more into the hands of strangers. In 1862, the foreigners had a proportion of their insane in this hospital, more than three times ( $\frac{322}{100}$ ) as large as that of the Americans. At the present time the difference of the ratio of the insane of each class in Massachusetts, enjoying the benefits of this contribution is but slightly less, yet is more than three times as large in favor of the stranger, mainly because the alien pays nothing for himself, and the native is required to pay not only for his own support, but also in part for that of others.

#### COMPARATIVE COST OF SANE AND INSANE.

The management of the insane is necessarily different from, and more expensive than, that of the sane. The architectural arrangement of the lunatic hospital is very unlike that of a common dwelling, or any other public institution, and its walls, partitions, windows, and doors, must be much stronger. The managers and the guardians, the officers and attendants, must be men of great discretion, sagacity and patience, who would earn large wages elsewhere, and can only be obtained and retained by larger rewards than are paid to those who attend on, and do the work of, healthy men and women abroad.

There is a similar difference in the cost of the food of the mentally healthy and disordered. In all the most common

forms of insanity, mania, melancholia, and dementia, the patients need a more digestible and nutritious diet, than men and women in health. Their malady, their excitements, and their depressions increase the necessity, that they should have food that is easily dissolved in the stomach, and converted into living flesh, by the nutrient arteries. They need nourishment, not only of better quality, but oftentimes more abundant in quantity, to meet the excessive and morbid expenditure of force by the maniac in his excitements, and to save the melancholic and those who are tending to dementia from sinking under their depressions into torpidity, and if possible to raise the demented out of their sluggishness. Regarding the necessities of lunatics, familiar with their dangers, and desiring to fulfil the purposes of a hospital by restoring as many as possible to health, and saving as many as possible from sinking into mental death, the managers of these institutions everywhere feed their patients better, and at a greater cost, than sane men and women are fed abroad.

In England, under the supervision of the county and borough magistrates, and the guardians of the poor, who administer the funds intrusted to them with the greatest economy, the average cost of supporting the insane paupers, for food, clothing, attendance and management in the public asylum, is more than three times as [great as that of supporting the sane paupers in the workhouses. In Ireland, the cost of sustaining the insane poor in the asylums was almost three and a half times as great as that of the sane paupers in the work-houses. A similar, though smaller, difference is made here. The average cost of the town and city paupers in almshouses, in Massachusetts, is about one-half of that of supporting the insane paupers in the hospitals; and the cost of the support of the State paupers in the State almshouses is in still smaller proportion. The cost of supporting the inmates in the work-house, in the city of New York, is less than one-half of that of the inmates of the city lunatic asylum. The average cost of the sane paupers in the county poor-houses, through the State of New York, was eighty-six cents a week, while the cost of the insane paupers in the State asylum, was three dollars and forty cents, in the five years from 1858 to 1862. Universally, as far as the records have been printed and obtained, the managers of the insane

have obeyed this pathological law, and yielded to the necessity of giving their patients a better, and, of course, a more costly sustenance and care, than are needed for the support of sane men and women, in order to restore them to health, or to save them from sinking into dementia and permanent disease, or early death.

In obedience to the same law of the disease which they were appointed to treat, and in accordance with the manifest design of the Commonwealth, and the calls of humanity, as well as of economy, to give every patient the best chance of restoration to the enjoyment of life, and the power of self-sustenance, if he or she were curable by any human means, to keep the excitable in their calmest condition, to rescue those who were in danger of or were tending downward to dementia, from that state of mental torpidity, and to save the demented from absolute mental death, the managers of this hospital have employed discreet and intelligent attendants, and provided and prepared nutritious and digestible food, which, though somewhat more costly than inferior guardians and poorer food would have been, have yet been profitable to the patients, and, through them, to their families and the State.

#### MECHANICAL LABOR.

The system of mechanical labors for the patients, proposed in the Report of last year, has been begun and carried on, as far as practicable with the means of the hospital, and, so far, it has been satisfactory and justifies the undertaking; more of the men have been occupied, and these have been calm and apparently happy in their work. This experiment encourages the continuance and increase of these employments, until all that are able shall find some daily and useful occupation for their hands.

The officers and the attendants have all performed their parts faithfully and successfully. There have been no remarkable events, no accidents, no unusual sickness in the house. Dr. Bemis has performed the duties of Steward and Chaplain as well as of Superintendent, and by his wisdom, energy, and devotion, has accomplished all that was desired in their several functions. Dr. Rice, the Assistant-Physician, has been efficient

and faithful. Mrs. Bemis deserves the meed of high praise for her judicious, economical, and graceful management of the housekeeper's department. The clerk, supervisors, farmer and attendants, all, in their several ways, have done good service to the institution and the patients; and the hospital has prospered in their hands.

#### WATER.

The dam at the reservoir on Mill Stone Hill became so decayed and leaky, that it was necessary to repair or renew it. Mr. Ball, a competent engineer, made a very careful survey of the locality, and ascertained that the rain annually falling in the valley that pours its waters into this reservoir, even in the driest year, is sufficient to supply all the possible wants of ninety-five hundred persons, which is nineteen times as many as are now in the establishment, and many more than probably ever will be there. In renewing the dam it is advisable to raise it six feet higher, which will double the capacity of the pond, and put the reserved supply of water beyond all possibility of failure, even in the longest drought. As the banks of the pond are somewhat steep, this rise of six feet will cause no great increase of flowage, and but a slight claim of farther damages to the land. This can be done under the law of 1848. The iron pipe of the aqueduct has become decayed and needs some repairs, and will probably need early renewal through its whole length.

#### FINANCES.

The accompanying report of the Treasurer shows the finances to be in good condition:—

The total receipts, with the cash on hand, October 1, 1862, was,	. . . . .	\$66,082 36
The total expenditures in the year were,	. . . . .	65,946 23

And there is now in the hands of the Treasurer a balance of,	. . . . .	\$136 13.
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The outstanding debts due from the hospital are,	\$16,237 62.
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The outstanding claims due to the hospital, supposed to be good, are:

From the Commonwealth, . . . . .	\$5,932 43
From Towns, . . . . .	6,733 30
From Individuals, . . . . .	6,760 88
	<hr/>
Total, . . . . .	\$19,426 61

#### CHARGE FOR PRIVATE AND TOWN PATIENTS.

The payments for the support of the hospital, made by the steward last year, were on an average \$3.19 a week for each patient, but this was more than the actual cost for that period, for some considerable amount of materials, coal, etc., for two years, was bought and paid for within the last year. The average payments of the year previous were, for the opposite reason, considerably less than the cost. But the average of the two years is a fair average of the cost of supporting the institution during that period, which was \$149.46 a year, or \$2.87.4 a week, for each patient in the institution.

This would have been a proper charge for each, if all had paid alike. But as the State paid only \$2.62 a week, thereby causing a loss of twenty-five cents a week, or thirteen dollars a year, on each of the one hundred and eighty-five State patients, or \$2,405 on the whole. This loss was charged upon the two hundred and thirteen town and private patients.

In the coming year, there is a double reason for increasing this charge. The cost of all the materials of life is increased, and the State, according to the law of 1863, chapter 241, section 9, will pay only \$2.25 per week for its patients, which will cause sixty-two cents a week, or thirty-two dollars and twenty-four cents a year on each of the State patients, provided the average cost of support of the patients is the same in the coming year as it has been in the last two years. The loss on the whole of the State patients will be five thousand nine hundred and sixty-four dollars (\$5,964) in the year, provided the number is not diminished. The increased cost of the materials of life will, in its proportion, increase this loss to the hospital.

This loss of \$5,964 or more will necessarily be charged to the private and town patients; and if they continue to be, in the coming year, of the same numbers as they were last year, this increase of charge will be twenty-eight dollars and one cent (\$28.01) per week, to compensate for the deficiency of payment for the State patients. The charge for the town and private patients must therefore be higher in the coming than in the past year.

It was to be hoped that some of the items of expense in the past years might be omitted in the coming year, especially among the repairs and improvements, which last year cost \$5,206. But beside the usual and ordinary repairs, that inevitably recur in every year, it will be necessary to replace the old and leaky pipe of the aqueduct with a new one. Mr. Ball, the engineer, estimates that the cost of this will be \$3,879. The labor of trenching and filling can be done mostly, if not entirely, by the patients and the ordinary laborers of the hospital; but the pipe and other materials must be bought at the estimated cost of \$3,112, which, like the cost of other improvements, renewals, and repairs, must be charged in the current expenses, and paid for out of the receipts for the board and care of the patients belonging to towns and private families.

The report of the engineer, Mr. Ball, in respect to the water and aqueduct is satisfactory to the Trustees, and is herewith presented, and commended to the attention of the government.

The able and minute report of Dr. Bemis, his valuable tables, and important observations, are full of interest and instruction. They give a good and faithful statistical history of the hospital, from its beginning in 1833 to the present time. These show that under its three superintendents, Drs. Woodward, Chandler, and Bemis, this institution has done a great and successful work for the State and people. Dr. Bemis has revised all the tables, and made some corrections, from information received in respect to patients since the original records were made, and the whole presents as complete and accurate an account of the condition and progress of the hospital as can be obtained from records, inquiry, and correspondence, and is

therefore commended to the careful attention and consideration of the legislature and the Commonwealth, and of students of psychological science.

Trusting that the same generous Providence that has hitherto smiled upon this house of charity, will still watch over it, and give it life and energy, wisdom and usefulness, the Trustees again commend it to the fostering care of the government, and the sympathy and confidence of the people.

Very respectfully submitted.

WILLIAM T. MERRIFIELD.  
ROBERT W. HOOPER.  
EDWIN F. JENKS.  
EDWARD JARVIS.  
WILLIAM WORKMAN.

STATE LUNATIC HOSPITAL, WORCESTER, Mass., }  
October 1, 1863. }



## OFFICERS OF THE HOSPITAL.

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### T R U S T E E S .

WILLIAM T. MERRIFIED, Esq., . . .	Worcester.
ROBERT W. HOOPER, M. D., . . .	Boston.
HON. EDWIN F. JENKS, . . .	Adams.
EDWARD JARVIS, M. D., . . .	Dorchester.
WILLIAM WORKMAN, M. D., . . .	Worcester.

### T R E A S U R E R .

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

### R E S I D E N T O F F I C E R S .

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

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## SALARIED OFFICERS OF THE HOSPITAL.

	Salary.
<i>Superintendent</i> , MERRICK BEMIS, M. D., . . .	\$1,800 00
<i>Assistant-Physician</i> , F. H. RICE, M. D., . . .	900 00
<i>Matron</i> , CAROLINE A. BEMIS, . . .	200 00

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

Cash on hand September 30, 1862,	.	.	\$153 30
Received from the Commonwealth,	.	.	26,989 38
"    "    towns, . . . . .	.	.	19,806 69
"    "    individuals, . . . . .	.	.	12,680 20
"    "    all other sources, . . . . .	.	.	6,452 79
			\$66,082 36

### D I S B U R S E M E N T S .

Paid Steward's orders,	.	.	\$58,052 68
Mechanics' Bank,	.	.	2,153 76
Bills payable,	.	.	4,500 00
Interest,	.	.	518 72
T. H. Watson,	.	.	15 22
Treasurer, salary and expenses,	.	.	705 85
Cash on hand,	.	.	136 13
			\$66,082 36

Respectfully,

H. WOODWARD, *Treasurer.*

WORCESTER, September 30, 1863.

The undersigned are satisfied, from examination of the Treasurer's books and also of the same accounts kept in duplicate at the Hospital by the Steward, that the foregoing Report is correct.

W. T. MERRIFIELD,  
WILLIAM WORKMAN,  
*Auditing Committee.*

WORCESTER, December 9, 1863.

## SUPERINTENDENT'S REPORT.

*To the Trustees of the Worcester Lunatic Hospital :*

GENTLEMEN,—In compliance with the laws of the Commonwealth, I submit to you my annual report of the operations of this hospital for the year ending September 30, 1863.

During no similar period has it enjoyed a higher degree of prosperity, been the means of dispensing a greater amount of comfort to its inmates, or had more abundant cause for gratitude to the Great Disposer of events for the degree of general good health which has prevailed in our large household, and for the gratifying results which have attended the labors of those concerned in its management and control.

The year has been one of general prosperity and success. No epidemic, or acute disease of any gravity, has afflicted our patients. No calamity has interrupted the usual peace, quiet, and order of the institution. The call of the country has again taken several valuable assistants from the service of the hospital to the hardships and dangers of the field, and rendered necessary many changes: but no difficulty has been experienced in filling their places with reliable and competent persons; and we believe we have been fortunate in securing the services of kind, faithful, and efficient individuals to fill the various offices of labor and trust throughout the establishment.

The statistical tables in this report include all the cases admitted into the hospital, and it is hoped that enough positive benefit is derived from the statistical tables of hospitals for the insane to justify the great labor required in their preparation. Although mistakes will sometimes be made, and false inferences will occasionally be drawn from them, still, as the number of cases included in them become larger year by year, and

the circumstances under which they are made is more fully understood and appreciated, practically useful deductions will result from them.

For the results of the year in detail, you are respectfully referred to the accompanying tables, and such brief explanatory remarks as they seem to require.

TABLE No. 1,

*Showing the general results during the Year.*

	Males.	Females.	Total.
Patients in the Hospital October 1, 1862, . . . . .	200	196	396
“ admitted during the year, . . . . .	114	101	215
Whole number under treatment, . . . . .	314	297	611
Discharged recovered, . . . . .	51	53	104
“ improved, . . . . .	46	20	66
“ not improved, . . . . .	4	8	12
Died, . . . . .	16	14	30
Whole number discharged during the year, . . . . .	117	95	212
“ “ remaining September 30, 1863, . . . . .	197	202	399

The foregoing table shows that two hundred and fifteen patients have been admitted into the wards of the hospital during the year, one hundred and fourteen of whom were males, and one hundred and one were females. There have been discharged during the year two hundred and twelve patients, thirty of whom were removed by death, and one hundred and eighty-two were discharged by your order. Of this number, one hundred and four had recovered their full mental health and strength, and were returned to their homes, to take upon themselves again the active and responsible duties of life. Sixty-six were discharged as improved. Some of these are now known to be occupying places of responsibility and trust, and are performing their duties acceptably to their friends and employers. Others, heads of families, are managing their households as skilfully as before the attack of mental disease for which they were committed to the care of the hospital. They did not recover while in the hospital, and are not enumerated in the list of recoveries. Twelve only were discharged as not improved. These patients enjoyed a

good degree of physical health, but had suffered a long time from dementia, more or less complete. They were quiet, and apparently harmless, and could as well be taken care of out of the hospital as any insane persons. A few cases, discharged by your order in the course of the year, are periodically insane. From some slight derangement of the bodily functions, or perhaps from some mental disturbance, they become restless, sleepless, and excited. In a few days, they find themselves unable to attend to the ordinary duties of life. Their friends interfere, and commit them to the hospital. After a period of time, occasionally brief, but sometimes of long duration, their excitement passes off, and they are again well. The number remaining in the hospital, with which we begin a new year, is three hundred and ninety-nine. Of which one hundred and ninety-seven are males, and two hundred and two are females. Add to this number one who has been supported a part of the year, by your permission, without pay, and our numbers are four hundred. The average number of patients during the year was a fraction less than three hundred and eighty-nine. The recoveries were in the ratio of forty-three and seven-tenths per cent., to the whole number admitted, or sixteen per cent. to the whole number under treatment. The recoveries of recent cases, or those who had been insane one year or less previous to their commitment to the hospital, were in the ratio of seventy-four and four-tenths to the number of such cases. And the number of recoveries of those committed within the year was fifty-six.

The ratio of deaths to the whole number admitted was thirteen and four-tenths, or four and a small fraction to the whole number under treatment, or seven and seven-tenths to the average number in the hospital. Four children have been born in the course of the year, of mothers who were committed to the hospital on account of mania developed during the period of gestation. Two infants have been admitted with mothers who were suffering from puerperal mania. Two of the mothers, and one of the children, still remain with us.

TABLE NO. 2,

*Showing the Admissions and state of the Hospital, from October 1, 1862,  
to September 30, 1863.*

Patients in the hospital October 1, 1862, . . . . .			396
Males, . . . . .	200	Females, . . . . .	196
Patients admitted in the course of the year, . . . . .			215
Males, . . . . .	114	Females, . . . . .	101
Patients remaining in the hospital September 30, 1863, . . . . .			399
Males, . . . . .	197	Females, . . . . .	202
Of the admissions there were cases of one year or less duration, . . . . .			122
Males, . . . . .	63	Females, . . . . .	59
Of the admissions there were cases of more than one year's duration, . . . . .			90
Males, . . . . .	49	Females, . . . . .	41
Of the admissions there were cases the duration of whose insanity could not be ascertained, . . . . .			3
Males, . . . . .	2	Females, . . . . .	1
Patients committed by Courts, . . . . .			135
Males, . . . . .	72	Females, . . . . .	63
Patients committed by Overseers of the Poor, . . . . .			10
Males, . . . . .	5	Females, . . . . .	5
Patients on bonds, . . . . .			61
Males, . . . . .	32	Females, . . . . .	29
Patient committed by Governor's warrant, . . . . .			1
Males, . . . . .	0	Females, . . . . .	1
Patients committed by Alien Commissioners, . . . . .			5
Males, . . . . .	2	Females, . . . . .	3
Patients committed by Commissioners of Lunacy, . . . . .			3
Males, . . . . .	2	Females, . . . . .	1
Foreigners and those having no settlement in the State, committed in course of the year, . . . . .			87
Males, . . . . .	41	Females, . . . . .	46
Foreigners and those having no settlement in the State, discharged in course of the year, . . . . .			101
Males, . . . . .	56	Females, . . . . .	45
Foreigners and those having no settlement in the State, remaining in the hospital September 30, 1863, . . . . .			175
Males, . . . . .	87	Females, . . . . .	88

*State Paupers remaining in the Hospital at the close of each Year, as nearly as can be ascertained.*

1842, . . . . 34	1850, . . . . 181	1858, . . . . 121
1843, . . . . 38	1851, . . . . 201	1859, . . . . 124.
1844, . . . . 38	1852, . . . . 241	1860, . . . . 130
1845, . . . . 57	1853, . . . . 216	1861, . . . . 156
1846, . . . . 52	1854, . . . . 151	1862, . . . . 189
1847, . . . . 121	1855, . . . . 115	1863, . . . . 175
1848, . . . . 150	1856, . . . . 155	
1849, . . . . 167	1857, . . . . 119	

The number of State paupers in the house at the beginning of the year, was one hundred and eighty-nine. The number of State paupers committed during the year was eighty-seven, and the number discharged by your order during the year, and removed to their families, or to almshouses, was ninety-two. The number of State paupers who died during the year was nine, making the whole number of State paupers removed one hundred and one, thus diminishing the number of this class of patients by fourteen. The number of State paupers at the close of the year was one hundred and seventy-five. A few of this class of our patients are known to have settlements in this Commonwealth, and the above numbers will thereby be somewhat reduced.

The number of patients admitted on private bonds during the year was sixty-one, and the number admitted on bonds from overseers of the poor was ten.

The number admitted by the various courts and commissioners was one hundred and forty-four. Deducting from one hundred and forty-four committed by courts, eighty-seven State paupers, leaves fifty-seven to be added to the number of town patients and private patients, in about the proportion of thirty-eight town patients and nineteen private patients. The admissions will stand very nearly as follows:

State patients admitted, . . . . .	87
Town patients admitted, . . . . .	48
Private patients admitted, . . . . .	80

The averages of the different classes will be very nearly as follows :

State patients,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	185
Town patients,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	117
Private patients,	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	96
																			398

TABLE No. 3,

*Showing the number Admitted, Restored, Improved, Died, &c., in each Month during the Year.*

MONTHS.	ADMITTED.			REMOVED.										REMAINING.		
	Males.	Females.	Total.	Restored.		Improved.		Not Improved.		Died.		Total.		Males.	Females.	Total.
				M.	F.	M.	F.	M.	F.	M.	F.	M.	F.			
October, . . .	10	8	18	4	9	5	1	-	1	1	1	10	12	200	192	392
November, . .	8	5	13	5	2	4	2	-	1	1	2	10	7	198	190	388
December, . .	9	10	19	7	4	-	-	-	1	-	1	7	6	200	194	394
January, . . .	10	10	20	3	5	2	-	-	-	-	-	5	5	205	199	404
February, . .	5	5	10	2	2	3	1	-	1	-	-	5	4	205	200	405
March, . . .	8	8	16	4	4	1	1	-	1	1	1	6	7	207	201	408
April, . . .	6	8	14	7	8	6	-	-	-	1	2	14	10	199	198	397
May, . . .	15	10	25	2	8	4	-	1	1	2	2	9	12	205	197	402
June, . . .	11	11	22	6	4	3	6	-	2	1	-	10	12	206	196	402
July, . . .	5	4	9	5	-	11	6	-	-	3	3	19	9	192	191	383
August, . . .	13	12	25	-	3	2	-	-	-	5	-	7	3	198	200	398
September, .	14	10	24	6	4	5	2	3	-	1	2	15	8	197	202	399
Totals, . . .	114	101	215	51	53	46	19	4	8	16	14	117	95			



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, . . . . .	41	39	80	44	49	93
“ Chronic, . . . . .	16	19	35	17	19	35
“ with Epilepsy, . . . . .	13	3	16	2	2	4
“ with general Paralysis,	7	—	7	6	—	6
Melancholia, . . . . .	14	18	32	12	8	20
Dementia, . . . . .	13	16	29	32	14	46
“ Senile, . . . . .	5	2	7	—	2	2
“ with Epilepsy, . . . . .	—	—	—	3	—	3
“ with general Paralysis,	—	—	—	—	—	—
Monomania of Fear, . . . . .	2	1	3	—	—	—
“ of Pride, . . . . .	1	2	3	—	—	—
“ of Suspicion, . . . . .	2	1	3	1	1	2
Totals, . . . . .	114	101	215	117	95	211

The following tables have been carefully made up from the original records. Some slight errors in the division of the classes and sexes have been corrected. The records also have been rendered more complete by filling blanks from information received in answer to inquiries made about individual cases.

TABLE No. 5.

*Supposed Causes of Insanity of Patients admitted into the Hospital from January 18, 1833, to September 30, 1863.*

CAUSES.	1863.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Apoplexy, . . . . .	—	—	1	2
Asthma, . . . . .	—	—	1	—
Bronchitis, . . . . .	—	—	—	1
Bowels, Disease of, . . . . .	—	—	1	—
Cancer, . . . . .	—	—	—	1

TABLE No. 5—Continued.

CAUSES.	1863.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Chorea, . . . . .	-	-	-	3
Constipation, . . . . .	-	-	-	-
Convulsions, . . . . .	-	-	10	12
Dysentery, . . . . .	-	-	2	2
Dyspepsia, . . . . .	-	-	2	-
Epilepsy, . . . . .	13	3	132	48
Eruptive Diseases, . . . . .	-	-	3	3
Eyes, Disease of, . . . . .	-	-	1	-
Eyes, Loss of, . . . . .	-	-	1	-
Erysipelas, . . . . .	-	-	-	1
Fevers, . . . . .	-	1	46	64
Hysteria, . . . . .	-	-	-	1
Hemorrhades, . . . . .	-	-	1	1
Ill Health, . . . . .	23	23	311	770
Influenza, . . . . .	-	-	1	3
Insolation, . . . . .	-	-	16	-
Idiocy, . . . . .	-	1	15	8
Laryngitis, . . . . .	-	-	-	-
Measles, . . . . .	-	-	4	6
Nervous Irritation, . . . . .	-	-	-	-
Nymphomania, . . . . .	-	-	-	4
Old Age, . . . . .	-	2	20	24
Otitis, . . . . .	-	-	-	-
Paralysis, . . . . .	7	-	48	26
Pneumonia, . . . . .	-	-	-	-
Rheumatism, . . . . .	-	-	5	1
Scrofula, . . . . .	-	-	1	2
Sea-sickness, . . . . .	-	-	1	1
Somnambulism, . . . . .	-	-	-	2
Suppressed Eruptions, . . . . .	-	-	4	3
Suppressed Ulcer, . . . . .	-	-	1	3
Satyriasis, . . . . .	-	-	1	-
Tic Douloureux, . . . . .	-	-	-	1
Tumor, . . . . .	-	-	-	1
Whooping Cough, . . . . .	-	-	1	-
Amenorrhœa, . . . . .	-	-	-	20
Lactation, Excessive, . . . . .	-	-	-	3
Menorrhagia, . . . . .	-	-	-	8
Menorrhagia, Suppressed, . . . . .	-	-	-	23
Miscarriage, . . . . .	-	-	-	4
Pregnancy, . . . . .	-	4	-	6
Puerperal, . . . . .	-	3	-	196
Turn of Life, . . . . .	-	3	-	55
Amputation of Leg, . . . . .	-	-	1	-
Bathing in Cold Water, . . . . .	-	-	1	-
Drinking Cold Water, . . . . .	-	-	1	-
Exposure to Cold, . . . . .	-	-	11	13
Injuries by Falling, &c., . . . . .	-	-	20	6
Injury of Head, . . . . .	-	1	53	10
Injury of Spine, . . . . .	-	-	2	6

TABLE No. 5—Continued.

CAUSES.	1863.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Lead, Poison of, . . . . .	—	—	4	—
Lightning, Stroke of, . . . . .	—	—	—	1
Labor, Excessive, . . . . .	3	—	37	57
Loss of Sleep, . . . . .	—	—	—	3
Study, Excessive, . . . . .	1	—	24	9
Spiritualism, . . . . .	—	—	17	24
Criminal Trial, . . . . .	—	—	—	1
False Accusation, . . . . .	—	—	—	1
Imprisonment, . . . . .	—	—	4	—
Death of Relatives, . . . . .	—	—	28	69
Domestic Trouble, . . . . .	4	8	106	328
Marriage, Unhappy, . . . . .	—	—	2	5
Disappointment in Love, . . . . .	2	6	62	89
Disappointed Ambition, . . . . .	—	—	9	9
Home Sickness, . . . . .	—	—	6	17
Fright, . . . . .	1	—	19	24
Seduction, . . . . .	—	—	—	3
Millerism, . . . . .	—	—	9	6
Political Excitement, . . . . .	—	—	9	1
Religious Excitement, . . . . .	—	—	156	176
Pecuniary Trouble, . . . . .	2	—	140	37
Poverty, . . . . .	—	—	1	1
Poverty, Fear of, . . . . .	—	—	30	8
Prosecution, . . . . .	—	—	1	—
Giving up Business, . . . . .	—	—	1	—
Change of Business, . . . . .	—	—	8	—
Violent Temper, . . . . .	—	—	2	13
Jealousy, . . . . .	—	—	18	27
Intemperance, . . . . .	20	4	520	58
Opium, Use of, . . . . .	—	—	3	9
Tobacco, Use of, . . . . .	—	—	2	7
Masturbation, . . . . .	9	2	338	53
Venery, Excess of, . . . . .	—	—	1	—
Unknown, . . . . .	29	40	988	1019
Total, . . . . .	114	101	3264	3399

Of the above there were—

Hereditary cases, . . . . .	16	13	519	753
Periodical cases, . . . . .	22	20	536	573
Hereditary and Periodical cases, . . . . .	8	6	357	402
Suicidal cases, . . . . .	15	13	162	203
Homicidal cases, . . . . .	7	4	114	33
Suicidal and Homicidal cases, . . . . .	3	4	32	19

The foregoing table shows the assigned causes of insanity in the admissions of the year, and of all the previous years since the opening of the hospital, as nearly as could be ascertained. These may be arranged into two classes, according as their influence was of a moral or physical character. A glance at the table will indicate with sufficient clearness for all practical purposes the proportions which these classes bear to each other. In general the histories given us of the patients are so meagre and unreliable that it is impossible to give a classification of the causes of insanity of much value, or show even the combinations of circumstances influencing the individual previous to his attack of mental disease.

TABLE NO. 6,

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

AGES.	ADMITTED.		DISCHARGED RECOVERED.		DISCHARGED NOT RECOVERED.		DIED.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Less than 15,	2	5	-	1	1	1	-	1
From 15 to 20,	9	5	1	6	3	1	-	-
20 to 30,	17	24	10	10	11	8	2	2
30 to 40,	36	26	21	17	19	6	3	1
40 to 50,	22	23	9	9	10	9	5	-
50 to 60,	12	10	3	8	3	2	2	3
60 to 70,	6	6	2	1	3	1	3	3
70 to 80,	10	-	4	1	-	-	1	3
80 to 90,	-	2	1	-	-	-	-	1
Unknown, .	-	-	-	-	-	-	-	-
Totals, . .	114	101	51	53	50	28	16	14

TABLE No. 7,

*Showing the Ages of Patients Admitted, Discharged Recovered, not Recovered, and Died, from January 18, 1833, to September 30, 1863.*

AGES.	ADMITTED.		DISCHARGED RECOVERED.		DISCHARGED NOT RECOVERED.		DIED.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Less than 15,	26	25	5	10	16	12	1	1
From 15 to 20,	206	208	120	129	61	60	14	13
20 to 30,	912	891	448	451	323	343	56	64
30 to 40,	835	925	397	440	343	335	90	88
40 to 50,	720	767	308	351	250	242	95	88
50 to 60,	372	417	161	193	135	131	66	76
60 to 70,	213	198	78	91	79	60	48	49
70 to 80,	85	60	21	24	21	17	34	21
80 to 90,	9	9	4	2	2	4	5	3
Unknown, . .	-	-	-	-	-	-	-	-
Totals, . .	3,378	3,500	1,542	1,691	1,230	1,204	409	403

The foregoing table shows the ages of the patients at the time of their commitment to the hospital, without reference to the age at which the disease made its first appearance. Few patients are received into the institution less than fifteen years of age. From fifteen years of age the number of admissions increases rapidly, until fifty years have elapsed, when the number steadily diminishes until eighty-five to ninety. A few only are committed above eighty years of age. One, however, was during the last year admitted who was more than eighty-eight years of age.

TABLE No. 8,

*Showing the Duration of Insanity before Admission of Patients Admitted, Discharged Recovered, not Recovered, and Died during the Year.*

DURATION OF INSANITY.	Admitted.		Discharged Recovered.		Discharged not Recovered.		Died.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Insane 1 year or less, . . . . .	57	58	37	38	9	6	3	5
More than 1 year and less than 2 years, . . . . .	12	8	9	6	1	2	1	3
More than 2 years and less than 5 years, . . . . .	17	18	4	6	11	6	3	3
More than 5 years and less than 10 years, . . . . .	9	11	1	3	17	8	2	-
More than 10 years and less than 15 years, . . . . .	8	4	-	-	7	5	5	1
More than 15 years and less than 20 years, . . . . .	6	2	-	-	3	1	2	-
More than 20 years and less than 25 years, . . . . .	3	-	-	-	2	-	-	-
More than 25 years and less than 30 years, . . . . .	-	-	-	-	-	-	-	2
Thirty years or more, . . . . .	2	-	-	-	-	-	-	-
Unknown, . . . . .	-	-	-	-	-	-	-	-
Totals, . . . . .	114	101	51	53	50	28	16	14

TABLE No. 9,

*Showing the Duration of Insanity before Admission of Patients Admitted, Discharged Recovered, not Recovered, and Died, from January 18, 1833, to September 30, 1863.*

DURATION OF INSANITY.	Admitted.		Discharged Recovered.		Discharged not Recovered.		Died.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Insane 1 year or less, .	2,131	2,390	1,199	1,326	604	582	211	256
More than 1 year and less than 2 years, .	116	101	144	133	57	57	20	13
More than 2 years and less than 5 years, .	492	467	100	121	178	158	78	56
More than 5 years and less than 10 years, .	263	240	40	49	172	174	30	23
More than 10 years and less than 15 years, .	138	148	12	20	92	90	28	23
More than 15 years and less than 20 years, .	65	38	9	9	36	57	17	7
More than 20 years and less than 25 years, .	44	32	7	6	28	34	4	7
More than 25 years and less than 30 years, .	18	15	5	1	9	10	5	4
Thirty years or more, .	29	26	2	5	11	13	8	6
Unknown, . . . .	82	43	24	21	43	29	8	8
Totals, . . . .	3,378	3,500	1,542	1,691	1,230	1,204	409	403
Totals, . . . .	6,878		3,233		2,434		812	

TABLE No. 10,

*Showing the Civil Condition of Patients Admitted, Discharged Recovered, not Recovered, and Died, during the Year.*

CIVIL CONDITION.	ADMITTED.		DISCHARGED RE- COVERED.		DISCHARGED NOT RECOVERED.		DIED.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Unmarried, .	58	46	23	19	37	15	5	6
Married, .	51	44	26	28	13	12	9	6
Widowers, .	5	-	2	-	-	-	2	-
Widows, .	-	11	-	6	-	1	-	2
Unknown, .	-	-	-	-	-	-	-	-
Totals, .	114	101	51	53	50	28	16	14

TABLE No. 11,

*Showing the Civil Condition of Patients Admitted, Discharged Recovered, not Recovered, and Died, from January 18, 1833, to September 30, 1863.*

CIVIL CONDITION.	ADMITTED.		DISCHARGED RE- COVERED.		DISCHARGED NOT RECOVERED.		DIED.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
Unmarried, .	1,783	1,505	764	671	751	648	160	168
Married, .	1,424	1,568	719	823	426	421	199	159
Widowers, .	148	-	56	-	41	-	44	-
Widows, .	-	407	-	195	-	122	-	74
Unknown, .	23	20	3	2	12	13	6	2
Totals, .	3,378	3,500	1,542	1,691	1,230	12,04	409	403



TABLE No. 12,

*Showing the Occupation of Patients admitted to the Hospital from  
January 18, 1833, to September 30, 1863.*

OCCUPATION OF MALES.	1863.	Previously.
Auctioneers, . . . . .	—	2
Armorers, . . . . .	—	2
Authors, . . . . .	—	3
Blacksmiths and Iron-workers, . . . . .	3	54
Bakers, . . . . .	—	10
Butchers, . . . . .	—	5
Book-agents, . . . . .	—	2
Book-binders, . . . . .	1	2
Broom-makers, . . . . .	—	2
Book-keepers, . . . . .	—	8
Britannia-workers, . . . . .	—	2
Brick-makers, . . . . .	—	5
Bellows-makers, . . . . .	—	2
Barbers, . . . . .	—	12
Clergymen, . . . . .	—	23
Carvers, . . . . .	—	2
Carpenters, . . . . .	2	114
Coppersmiths, . . . . .	1	8
Coopers, . . . . .	1	21
Cabinet-makers, . . . . .	—	16
Clothiers, . . . . .	—	15
Comb-makers, . . . . .	—	4
Confectioners, . . . . .	—	3
Card-makers, . . . . .	—	1
Chair-makers, . . . . .	—	3
Cigar-makers, . . . . .	—	4
Clerks, . . . . .	7	72
Carpet-weavers, . . . . .	—	2
Caulkers, . . . . .	—	2
Camphene-distillers, . . . . .	—	3
Dyers, . . . . .	—	3
Druggists, . . . . .	1	2
Drovers, . . . . .	—	2
Daguerreotypists, . . . . .	—	3
Engineers, . . . . .	—	2
Engravers, . . . . .	—	4
Editors, . . . . .	—	4
Expressmen, . . . . .	—	14
Farmers, . . . . .	20	664
Fishermen, . . . . .	1	29
Gardeners, . . . . .	—	9
Glass-blowers, . . . . .	—	4
Hotel-keepers, . . . . .	1	12
Hatters, . . . . .	—	5
Harness-makers, . . . . .	—	14
Hackmen and Teamsters, . . . . .	—	28
Jewellers, . . . . .	—	18

TABLE No. 12—Continued.

OCCUPATION OF MALES.	1863.	Previously.
Lawyers, . . . . .	—	12
Laborers, . . . . .	24	740
Manufacturers, . . . . .	1	28
Millers, . . . . .	—	6
Merchants, . . . . .	—	142
Masons, . . . . .	1	28
Miners, . . . . .	—	4
Miniature-painter, . . . . .	—	1
Mat-makers, . . . . .	—	2
Musicians, . . . . .	—	7
Machinists, . . . . .	—	40
Moulders, . . . . .	—	7
Operatives in Mills, . . . . .	9	61
Palmleaf-splitter, . . . . .	—	1
Painters, . . . . .	3	39
Printers, . . . . .	—	30
Physicians, . . . . .	1	14
Paper-makers, . . . . .	—	7
Peddlers, . . . . .	1	12
Potter, . . . . .	—	1
Pump and Block-makers, . . . . .	—	4
Pattern-makers, . . . . .	—	4
Plumbers, . . . . .	—	4
Police officers, . . . . .	—	3
Rope-makers, . . . . .	—	10
Restaurators, . . . . .	1	7
Shoemakers and Bootmakers, . . . . .	13	255
Sailmakers, . . . . .	—	9
Soap-makers, . . . . .	1	6
Sash and blind-makers, . . . . .	—	3
Sea-captains, . . . . .	—	16
Sailors, . . . . .	4	148
Students, . . . . .	—	56
Ship-carpenters, . . . . .	—	8
Shop-keepers, . . . . .	—	3
Stone-cutters, . . . . .	—	9
Soldiers, . . . . .	—	10
Sexton, . . . . .	—	1
Stevedore, . . . . .	—	1
Surveyors, . . . . .	—	2
School-boys, . . . . .	3	20
Tailors, . . . . .	—	20
Teachers, . . . . .	1	30
Tobacconists, . . . . .	—	3
Tinners, . . . . .	1	6
Tanners, . . . . .	—	17
Umbrella-makers, . . . . .	—	2
Wheelwrights, . . . . .	1	16
No occupation, . . . . .	11	194
Totals, . . . . .	114	3,264

TABLE No. 12—Concluded.

OCCUPATION OF FEMALES.	1863.	Previously.
Actress, . . . . .	—	1
Cooks, . . . . .	—	63
Engraver, . . . . .	—	1
Housekeepers, . . . . .	46	1,816
Housemaids, . . . . .	13	328
Laundresses, . . . . .	—	2
Music Teachers, . . . . .	—	2
Midwife, . . . . .	—	2
Nurses, . . . . .	1	12
Operatives in Mills, . . . . .	7	176
Seamstresses, . . . . .	22	667
School-girls, . . . . .	2	31
Teachers, . . . . .	3	72
Typesetters, . . . . .	—	3
No occupation, . . . . .	7	223
Totals, . . . . .	101	3,399

The foregoing tables show that no age or condition of life is exempt from insanity more than from other diseases with which mankind is afflicted. No trade or profession affords any great security from its ravages. It is a mistake, however, to suppose that the relative frequency of the disease in persons employed in the various pursuits of life, is exactly indicated by the numbers recorded in the tables. For example, a considerable number of patients committed to this hospital, both male and female, for a considerable period of time previous to commitment, followed no trade or profession, and had little or no occupation of any kind; but the prevailing occupation of the life of the individual was the one enumerated in the tables. Again, a large proportion of our people are engaged in some way or other in agricultural pursuits, either as farmers, farm laborers, or the sons or daughters of farmers, and the number given in the tables for these classes is sufficiently large to disturb our belief in the healthfulness of a country life and agricultural pursuits. But if we compare the relative numbers engaged in each occupation in the whole community, we shall find that the common opinion respecting the general healthfulness of agricultural labors is correct.

The tables show that there were admitted during the year, twenty farmers and twenty-four farm or out of door laborers. Thirteen boot and shoemakers. Nine operatives in mills, and seven clerks. Of the admissions of females, there were forty-six house-keepers. Twenty-two seamstresses, and thirteen house-maids.

TABLE NO. 13.

*Diseases which have proved Fatal from January 18, 1863, to September 30, 1863.*

DISEASES.	1863.		PREVIOUSLY.	
	Males.	Females.	Males.	Females.
Apoplexia, . . . . .	-	-	15	9
Asphyxia, . . . . .	-	-	2	-
Asthma, . . . . .	-	-	4	1
Ascites, . . . . .	-	-	5	7
Antochinia, . . . . .	-	1	15	9
Bronchitis, . . . . .	-	-	2	-
Carcinoma, . . . . .	1	-	1	1
Carditis, . . . . .	-	-	9	11
Cholera, . . . . .	-	-	5	-
Cholera Morbus, . . . . .	-	-	2	3
Cystitis, . . . . .	-	-	1	-
Dysentery, . . . . .	-	-	12	6
Delirium Tremens, . . . . .	1	-	3	-
Enteritis, . . . . .	-	-	6	9
Epilepsia, . . . . .	4	2	60	26
Erysipelas, . . . . .	-	-	9	10
Hepatitis, . . . . .	-	-	-	2
Hydrothorax, . . . . .	-	-	1	1
Hernia, . . . . .	-	-	1	-
Inanition, . . . . .	-	2	33	50
Mania Exhaustive, . . . . .	2	-	8	7
Marasmus, . . . . .	-	-	63	63
Meningitis, . . . . .	-	-	9	14
Mortificatio, . . . . .	-	-	-	1
Necropneumonia, . . . . .	-	-	1	2
Paralysis, . . . . .	6	-	24	19
Phthisis Pulmonalis, . . . . .	2	7	47	98
Pleuritis, . . . . .	-	-	-	2
Pneumonia, . . . . .	-	-	15	9
Senectus, . . . . .	-	2	24	13
Typho-Mania, . . . . .	-	-	7	10
Typhoid Fever, . . . . .	-	-	8	6
Variola, . . . . .	-	-	1	-
	16	14	393	389

It would appear from the foregoing table, that disease of the ordinary character was the cause of death in nearly all the cases enumerated, and that those only are special which are ascribed to the exhaustion consequent upon maniacal excitement. But such a statement would not be strictly true, for in many of them the fatal termination was the result of habits and conduct incidental to their insanity; but, in making up the tables, the name of the disease which proved fatal is given as the cause, leaving out of the account any notice of the causes or conditions which may have induced such disease. Among the insane, the depraved appetite of some, the abstemiousness or voracity of others, the degradation of habits, the occasional infliction of injuries on their own persons, the excitement and constant activity of many, the exhaustion of their nervous energy, the want of sleep, the disinclination and inability to lie in bed, the depressing effects of long-continued mental disease, and the concomitant physical debility are frequent exciting causes of their diseases. Nearly or quite all of the deaths which have occurred during the year, have taken place in the progress of those forms of physical disease, in one stage or another, with which the mental malady has been complicated, and for which the patients were committed to our care. Insanity is to a greater or less degree a disease of debility, and the standard of vitality among the insane is low. The more feeble, from long-continued mental disease, are prepared to sink at any time under slight derangement of any physical function. There is often great difficulty in learning from many of them any thing of their symptoms or sufferings, and which are frequently masked to a great extent till their diseases have assumed a degree of intensity incapable of relief, which might, in the first instance, have been afforded them. All these various conditions concur in rendering the diseases of the insane and their treatment peculiar, and different from that which prevails in any sane community.

Of the deaths which occurred during the year, six were from general paralysis, nine from consumption, six from epilepsy, two from exhaustion, consequent upon maniacal excitement, and two from general decay of the vital powers and a premature old age, and two others, females, died without any apparent disease. They were each nearly ninety years of age. One of

them had been for many years an inmate of the institution, and the other but a few weeks.

TABLE No. 14,

*Showing the Admissions from each County, from January 18, 1833, to September 30, 1863.*

COUNTIES.	1863.			Previously.	Whole No.
	Males.	Females.	Total.		
Barnstable, . . . . .	1	—	1	126	127
Berkshire, . . . . .	2	—	2	187	189
Bristol, . . . . .	2	1	3	290	293
Dukes, . . . . .	—	—	—	19	19
Essex, . . . . .	23	20	43	937	980
Franklin, . . . . .	—	—	—	126	126
Hampden, . . . . .	1	1	2	352	354
Hampshire, . . . . .	1	1	2	222	224
Middlesex, . . . . .	23	32	55	1,013	1,068
Nantucket, . . . . .	—	—	—	31	31
Norfolk, . . . . .	1	2	3	597	600
Plymouth, . . . . .	1	—	1	233	234
Suffolk, . . . . .	5	4	9	688	697
Worcester, . . . . .	50	38	88	1,825	1,913
Other States, . . . . .	4	2	6	17	23
Totals, . . . . .	114	101	215	6,663	6,878

The following table does not very accurately show the expense for any one year. The expenses of one year will overlap those of the next, and in greatly varying proportions from one year to another. For example, during the last year it happened that we paid for a large part of the coal for two years. This makes the cost of support, as shown by the table, very high. The actual expense, however, for each patient was something less than three dollars per week.

TABLE NO. 15,

*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, the Annual Expense for each Patient, and the Expense of each Patient per week for each of the Thirty-one Years the Hospital has been in operation.*

YEAR.	Whole Number.	Average Number.	No. at end of each year.	Current expenses of each year.	Annual expense for each patient.	Expense per week for each patient.
1833, .	153	107	114	\$12,272 91	\$114 67	\$2 25
1834, .	233	117	118	15,840 97	135 38	2 60
1835, .	241	120	119	16,576 44	137 30	2 64
1836, .	245	127	138	21,395 28	168 44	3 12
1837, .	306	163	185	26,027 07	159 64	3 07
1838, .	362	211	218	28,739 40	136 20	2 62
1839, .	397	223	229	29,474 41	132 16	2 53
1840, .	391	229	236	27,844 98	121 59	2 33
1841, .	399	233	232	28,847 62	123 81	2 38
1842, .	430	238	238	29,546 87	111 12	2 13
1843, .	458	244	255	27,914 12	114 40	2 20
1844, .	491	261	263	29,278 75	112 17	2 15
1845, .	656	316	360	43,888 65	138 88	2 66
1846, .	637	359	367	39,870 37	111 06	2 13
1847, .	607	377	394	39,444 47	104 62	2 01
1848, .	655	404	409	42,860 05	106 09	2 04
1849, .	682	420	429	40,870 86	97 31	1 87
1850, .	670	440	441	46,776 13	106 40	2 04
1851, .	704	462	466	52,485 33	112 61	2 16
1852, .	775	515	532	43,878 35	85 20	1 64
1853, .	820	537	520	53,606 66	103 14	1 98
1854, .	819	430	381	53,221 52	123 77	2 38
1855, .	580	349	336	54,895 88	157 29	3 02
1856, .	577	357	376	45,631 37	128 64	2 47
1857, .	647	387	372	49,004 75	124 04	2 38
1858, .	679	372	301	38,267 26	102 86	2 39
1859, .	501	309	317	48,363 33	156 51	3 01
1860, .	532	324	331	47,757 01	147 39	2 83
1861, .	583	369	379	54,748 53	148 37	2 84
1862, .	600	401	396	53,043 88	132 18	2 50
1863, .	611	398	399	66,082 36	166 03	3 19

TABLE No. 16,  
Showing the Statistics of the Hospital from January 18, 1833, to September 30, 1863.

	1833.	1834.	1835.	1836.	1837.	1838.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.
Whole number admitted, . . . . .	153	119	113	125	168	177	179	162	163	198	220	236	293	277	240	261
Whole number discharged, . . . . .	39	115	112	106	121	144	168	155	167	191	203	228	196	270	213	246
Discharged recovered, . . . . .	25	64	52	58	69	76	80	82	82	88	116	124	122	154	103	136
Discharged improved, . . . . .	7	22	23	17	23	24	29	29	36	25	32	40	25	31	23	32
Discharged not improved, . . . . .	2	20	28	22	20	28	37	29	37	66	33	49	25	47	57	48
Died, . . . . .	4	8	8	8	9	16	22	15	12	12	22	15	24	38	30	30
Eloped, . . . . .	1	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Whole number in hospital during year, . . . . .	153	233	241	245	306	362	397	391	399	430	458	491	556	637	607	655
Number remaining at end of each year, . . . . .	114	118	109	138	185	218	229	236	332	238	255	263	360	367	394	409
Males admitted, . . . . .	96	69	51	65	94	96	80	75	73	107	111	109	164	138	105	128
Females admitted, . . . . .	57	50	62	60	74	81	99	87	90	91	109	127	129	139	135	133
Males discharged, . . . . .	19	58	57	56	65	74	66	59	71	96	92	108	85	108	98	105
Females discharged, . . . . .	15	48	46	41	47	54	80	81	84	83	89	105	87	124	85	111
Males died, . . . . .	3	5	4	6	6	10	14	9	7	3	8	9	15	20	18	15
Females died, . . . . .	1	3	4	2	3	6	8	6	5	9	14	6	9	18	12	15
Sent in by courts, . . . . .	109	55	90	117	129	123	123	106	110	157	152	158	167	143	135	166
Sent in by friends and overseers, . . . . .	44	64	23	8	39	54	56	56	53	41	68	78	126	134	105	95
Sent in by governor's warrant, . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Males recovered, . . . . .	13	33	27	32	37	45	32	28	37	44	53	56	64	72	48	67
Females recovered, . . . . .	12	31	25	26	32	31	48	54	45	44	63	68	58	82	55	69
Average number in hospital, . . . . .	107	117	120	127	163	211	223	229	233	238	244	261	316	359	377	404



TABLE No. 16—Concluded.

	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	1859.	1860.	1861.	1862.	1863.	Totals.
Whole number admitted, . . . . .	273	241	263	309	288	299	199	241	271	307	200	215	251	221	215	6,878
Whole number discharged, . . . . .	253	229	238	243	300	438	244	201	275	376	184	201	204	204	211	6,479
Discharged recovered, . . . . .	138	125	111	103	145	122	109	97	150	127	89	129	131	124	104	3,233
Discharged improved, . . . . .	26	15	38	34	36	53	26	46	75	174	52	35	35	39	65	1,164
Discharged not improved, . . . . .	52	32	50	61	78	229	79	23	6	41	13	15	8	7	12	1,270
Died, . . . . .	37	57	39	45	41	34	27	35	44	34	30	22	30	34	30	812
Eloped, . . . . .	—	—	—	—	—	—	3	—	—	—	—	—	—	—	—	7
Whole number in hospital during year, . . . . .	682	670	704	775	820	819	580	577	647	679	501	532	583	600	611	—
Number remaining at end of each year, . . . . .	429	441	466	532	520	381	336	376	372	301	317	331	379	396	399	—
Males admitted, . . . . .	134	129	125	148	136	125	86	112	126	142	106	105	127	108	114	3,378
Females admitted, . . . . .	139	112	138	161	152	174	113	129	145	165	94	110	124	113	101	3,500
Males discharged, . . . . .	112	91	98	106	133	198	111	97	132	180	95	102	98	92	117	3,181
Females discharged, . . . . .	104	81	101	92	166	240	133	104	143	196	89	99	106	112	94	3,298
Males died, . . . . .	19	29	13	20	20	15	13	18	19	18	20	12	14	11	16	409
Females died, . . . . .	18	28	26	25	21	19	14	17	25	16	10	10	16	23	14	403
Sent in by courts, . . . . .	206	194	184	239	241	230	160	193	182	151	134	158	180	148	143	1,403
Sent in by friends and overseers, . . . . .	67	47	79	50	47	57	36	48	89	67	66	57	71	21	71	1,918
Sent in by governor's warrant, . . . . .	—	—	—	—	—	12	3	—	—	89	—	—	—	52	1	157
Males recovered, . . . . .	70	60	56	55	65	45	50	46	74	55	43	65	63	58	51	1,542
Females recovered, . . . . .	68	65	55	48	80	77	59	51	76	72	46	64	68	66	53	1,691
Average number in hospital, . . . . .	420	440	462	515	520	430	349	357	387	372	309	324	369	401	398	316

TABLE NO. 17.  
Per Cent.

	1833.	1834.	1835.	1836.	1837.	1838.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.
Per cent. of recovery of recent cases, .	-	82	82	84	89	86	90	91	91	91	88	93	89½	79	72	86
Per cent. of recovery of all discharges, .	-	54	46	53	57	52	47	53	49	46	59	54	62½	57	49	55
Per cent. of recovery of old cases, .	-	20	18	19	25	15	17	22	21	16	29	24	31½	28	17	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
Religious, . . . . .	9	6	7	7	6	9	5	4	4	9	13	9	7	10	6	1
The affections, . . . . .	14	12	17	16	16	15	25	17	13	15	9	10	14	1	12	11
Property, . . . . .	7	11	9	6	6	10	6	5	4	5	7	3	9	5	3	2
Intemperance, . . . . .	25	24	23	15	10	16	8	12	12	8	6	8	10	10	7	5
Masturbation, . . . . .	5	6	7	16	21	6	8	7	6	4	3	2	6	3	2	2
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	3.00	2.79	4.80	3.50	4.31	5.96	4.94	4.58
Per cent. of deaths of average number of residents each year, . . . . .	3.70	6.80	6.66	6.30	5.50	7.58	9.86	6.55	5.15	5.00	9.00	5.74	7.59	10.55	7.95	7.92

TABLE No. 17—Concluded.

	1849.	1850.	1851.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	1859.	1860.	1861.	1862.	1863.	Totals.
Per cent. of recovery of recent cases, . . . . .	84	87	82	77	83	80	92	78	76	78	75	92	78	89	74.4	84
Per cent. of recovery of all discharges, . . . . .	54	54	46	42	46	52	45	48	65	34	48	64	64	61	49.2	53
Per cent. of recovery of old cases, . . . . .	24	21	18	18	24	29	17	15	30	20	18	19	30	26	21	22
Per cent. of admissions of the most prominent causes each year:—																
Ill health, . . . . .	18	7	9	9	7	8	10	19	23	17	19	27	27	25	21	18
Religious, . . . . .	2	4	2	3	4	3	4	3	1	—	1	1	1	2	—	5
The affections, . . . . .	10	8	11	6	2	8	5	2	2	5	7	6	7	4	9	10
Property, . . . . .	4	3	2	3	2	2	1	1	1	1	3	4	2	2	1	4
Intemperance, . . . . .	4	3	4	2	2	4	2	9	9	4	11	9.7	15	9.5	11	10
Masturbation, . . . . .	4	3	4	2	4	4	3	3	1	1	5	4.6	5	12	5.1	5
Per cent. of deaths of all in the hospital each year, . . . . .	5.42	8.50	5.53	5.81	5.00	5.58	4.60	6.00	6.80	5.1	6.0	4.6	5.1	5.6	6.5	4.53
Per cent. of deaths of average number of residents each year, . . . . .	9.00	12.95	8.00	8.73	7.88	7.90	7.70	9.80	11.00	9.1	9.7	6.4	8.1	8.4	7.5	7.54

## TABULAR VIEW

*Of the Condition of the Patients in the Hospital, from Oct. 1, 1862, to Sept. 30, 1863, inclusive.*

No.	Time of Admiss'n.	Age when admitted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1837											
582	May 26	37	Female	Single	Love affair, . . .	6 months	The Friends	26 yrs 4 mths	Remains	Not improved	Hereditary.	
	1838											
876	Dec. 28	24	Male	do	Unknown, . . .	3 do	The Court	24 yrs 9 mths	do	do	do	
	1839											
895	Mar. 1	30	Female	do	Ill health, . . .	2 do	The Overseers	24 yrs 6 mths	do	Improved	do	
973	Aug. 5	33	Male	do	Masturbation, . . .	9 years	The Court	24 yrs 2 mths	do	Not improved	do	
	1840											
1092	April 21	26	Female	do	Ill health, . . .	6 do	do	23 yrs 5 mths	do	Improved	do	
	1841											
1252	April 29	31	do	Married	do . . .	2 months	The Friends	23 yrs 5 mths	do	Not improved	do	
	1842											
1390	Jan. 24	29	Male	Single	Masturbation, . . .	6 years	The Court	21 yrs 8 mths	do	Improved	do	
1409	Feb. 28	28	do	do	Unknown, . . .	1 do	do	21 yrs 7 mths	do	Not improved	do	
1481	July 15	35	do	do	do . . .	13 do	do	21 yrs 2 mths	do	do	do	
1565	Dec. 7	22	do	do	Masturbation, . . .	3 months	do	20 yrs 9 mths	do	do	do	
	1843											
1583	Jan. 14	28	do	do	do . . .	6 years	do	20 yrs 9 mths	do	Improved	do	Periodical.
1696	July 15	35	Female	Married	Ill health, . . .	2 do	do	20 yrs 2 mths	do	Not improved	do	
1772	Nov. 16	28	Male	Single	Masturbation, . . .	7 do	do	19 yrs 10 mths	do	do	do	
	1844											
1981	Oct. 2	36	Female	Married	Unknown, . . .	5 do	do	19 yrs	do	Improved	do	
	1845											
2047	Jan. 8	21	Male	Single	Masturbation, . . .	6 do	do	18 yrs 9 mths	do	Not improved	do	
2197	July 22	21	do	do	do . . .	2 do	The Friends	18 yrs 2 mths	do	do	do	
2220	Aug. 29	28	do	do	Convulsions, . . .	5 weeks	do	18 yrs 1 mth	do	do	do	
2229	Sept. 8	27	Female	do	Masturbation, . . .	24 years	The Court	18 yrs 1 mth	do	Improved	do	do
2280	Nov. 8	30	Male	do	do . . .	5 years	The Friends	17 yrs 11 mths	do	Not improved	do	
	1846											
2412	April 18	26	do	do	Disappointment, . . .	1 week	do	17 yrs 5 mths	do	do	do	do
2419	May 11	48	do	Married	Unknown, . . .	6 months	do	17 yrs 4 mths	do	Improved	do	Sui. and 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 Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1855										Hereditary.	
4832	April 18	44	Male	Married	Spiritualism,	3 years	Probate Court	8 yrs 5 mths	Remains	Improved		
4851	May 17	40	do	do	do	5 do	do	8 yrs 4 mths	do	do		
4854	June 7	21	do	Single	Masturbation,	8 do	Overseers	8 yrs 3 mths	do	Not improved		
4858	do 11	36	Female	Married	Unknown,	8 months	Probate Court	8 yrs 1 mth	Discharged	do		
4875	July 10	16	do	Single	do	6 do	do	8 yrs	do	Improved		
4882	do 27	28	do	do	Ill health,	5 years	do	8 yrs 2 mths	Remains	Not improved	do	
4936	Oct. 25	50	do	Married	Opium eating,	5 years	do	7 yrs 11 mths	do	Improved		
4959	Dec. 4	39	do	do	Puerperal,	weeks	do	7 yrs 9 mths	do	do		
	1856											
5006	Mar. 7	72	do	Single	Unknown,	5 years	Overseers	7 mths	Died	Old age		do
5040	April 29	51	do	Married	Ill health	2 weeks	Probate Court	7 yrs 5 mths	Remains	Improved		
5053	May 17	45	do	Unknown	Unknown,	Unknown	Police Court	7 yrs 4 mths	do	do		
5056	do 21	44	do	Married	Jealousy,	1 year	Probate Court	7 yrs 1 mth	Discharged	do		
5061	do 22	37	do	do	Unknown,	2 weeks	Police Court	7 yrs	do	do		
5097	July 7	23	Male	Single	Disappointment,	2 years	Probate Court	7 yrs 3 mths	Remains	do		
5120	Aug. 8	64	do	Widower	Unknown	30 years	do	7 yrs 2 mths	do	do		
5124	do 12	48	Female	Single	Ill health,	4 do	do	7 yrs 1 mth	do	Not improved		Homicidal.
5137	Sept. 8	46	Male	Married	Unknown,	18 months	do	7 yrs 1 mth	do	Improved		
5142	do 15	60	Female	do	Intemperance,	2 years	do	7 years	do	do		
5157	do 30	20	do	Single	Masturbation,	2 do	Overseers	7 years	do	Not improved		
5158	Oct. 1	36	do	do	do	20 years	Friends	7 years	do	do		
5169	do 15	44	do	Married	Intemperance,	3 months	Just. P. & Q.	7 years	do	Improved		
5198	Dec. 3	23	Male	Single	Fright,	3 years	Probate Court	6 yrs 10 mths	do	do		
	1857											
5304	April 25	46	Female	Married	Ill health,	4 years	do	6 yrs 5 mths	do	Not improved		
5372	July 14	23	Male	do	Domestic trouble,	2 weeks	do	6 yrs 2 mths	do	Improved		
5417	Sept. 19	45	Female	Single	Unknown,	2 months	do	6 yrs	do	do		Periodical.
5433	Oct. 13	30	Male	do	Masturbation,	11 years	Overseers	6 yrs	do	Not improved	Hereditary.	
5450	do 26	47	do	do	Unknown,	21 do	Probate Court	5 yrs 11 mths	do	Improved	do	do
5462	Nov. 18	50	do	do	do	years	do	5 yrs 10 mths	do	Not improved		
5476	Dec. 8	40	Female	Married	Religious,	2 years	do	5 yrs 10 mths	do	do		
	1858											
5538	Mar. 17	26	do	Single	Unknown,	2 months	Private Bond	5 yrs 6 mths	Discharged	do		do and Suicidal.

Year	Month	Age	Sex	Marital	Turn of life,	Probate Court	Time	5 yrs	6 mths	Remains	Improved	Periodical.
1858	April	1	Female	Married	Turn of life,	Probate Court	1 year	5 yrs	6 mths	Remains	Improved	Suicidal.
5547	do	15	Male	Single	Religious excitement,	Private Bond	1 do	5 yrs	5 mths	do	Not improved	do
5560	do	20	Male	do	Unknown,	Munic'l Court	6 years	5 yrs	5 mths	do	do	do
5581	May	10	Female	do	Religious excitement,	Probate Court	2 weeks	5 yrs	5 mths	do	Improved	do
5385	do	12	Male	Married	Intemperance,	Munic'l Court	4 years	5 yrs	2 mths	Discharged	Recovered	do
5586	do	13	do	Single	Unknown,	Probate Court	8 years	5 yrs	4 mths	Remains	Improved	do
5388	do	15	Female	Married	do	Private Bond	6 do	5 yrs	4 mths	do	do	do
5599	June	3	Male	do	Turn of life,	Overseers	3 years	5 yrs	4 mths	do	Not improved	do
5602	do	9	Female	Single	Masturbation,	do	8 months	5 yrs	4 mths	do	do	do
5634	do	9	Female	Married	Unknown,	do	1 week	5 yrs	3 mths	do	Improved	do
5619	do	28	Male	Single	Ill health,	Police Court	8 months	5 yrs	3 mths	do	Not improved	do
5620	do	29	Male	Married	Unknown,	do	1 week	5 yrs	3 mths	do	do	do
5626	July	8	do	Single	do	Overseers	3 years	5 yrs	3 mths	do	do	do
5630	do	13	do	do	Masturbation,	Just. P. and Q.	15 months	5 yrs	2 mths	Discharged	Improved	do
5633	do	19	Female	do	Ill health,	Probate Court	1 week	5 yrs	2 mths	Remains	Not improved	do
5636	do	21	do	do	Unknown,	do	1 do	5 yrs	2 mths	do	do	do
5652	Aug.	11	do	Married	do	Police Court	6 months	5 yrs	2 mths	do	Improved	do
5658	do	17	do	Single	Ill health,	Just. P. and Q.	2 years	5 yrs	1 mth	do	do	do
5662	do	25	do	Widow	Old age,	Probate Court	16 years	5 yrs	1 mth	do	do	Suicidal.
5667	do	30	do	do	Unknown,	Gov. Order	10 do	5 yrs	1 mth	do	Not improved	do
5670	do	30	do	Single	do	do	7 years	5 yrs	1 mth	do	Improved	do
5672	do	30	do	Widow	Religious,	do	7 months	4 yrs	2 mths	Discharged	Recovered	do
5673	do	33	do	Married	Unknown,	do	10 do	5 yrs	1 mth	Remains	Not improved	Hereditary.
5675	do	30	do	Single	Masturbation,	do	7 years	5 yrs	1 mth	do	do	do
5677	do	30	Male	do	do	do	Unknown	5 yrs	1 mth	Discharged	Improved	do
5683	do	30	do	do	Unknown,	do	7 months	5 yrs	1 mth	do	do	do
5685	do	31	do	do	do	do	Unknown	5 yrs	1 mth	Remains	Not improved	do
5689	do	31	do	do	Masturbation,	do	9 years	5 yrs	1 mth	do	Improved	do
5691	do	30	do	do	Unknown,	do	22 years	5 yrs	1 mth	do	do	do
5694	do	30	do	Married	Spiritualism,	do	7 years	5 yrs	1 mth	do	do	do
5698	do	30	do	Single	Unknown,	do	4 years	5 yrs	1 mth	do	Not improved	do
5700	do	31	do	do	do	do	Unknown	4 yrs	11 mths	Discharged	Improved	do
5703	do	30	do	do	Masturbation,	do	16 years	5 yrs	1 mth	do	Not improved	do
5706	do	31	do	do	Unknown,	do	6 years	5 yrs	1 mth	Remains	do	do
5727	Sept.	17	do	do	Intemperance,	do	1 year	5 yrs	1 mth	Discharged	Improved	do
5728	do	17	Female	Widow	Epilepsy,	do	Unknown	5 yrs	1 mth	Remains	Not improved	Hereditary and Suicidal.
5735	do	20	Male	Married	Domestic affliction,	Probate Court	2 years	5 yrs	5 years	Discharged	do	do
5739	do	20	do	do	Unknown,	Gov. Order	6 years	5 yrs	5 years	Remains	do	do
5741	do	20	do	Single	do	do	12 years	5 yrs	5 years	Discharged	do	do
5742	do	23	do	do	Epilepsy,	do	from birth	5 years	5 years	do	Not improved	Periodical.

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 Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1858											
5759	Sept. 20	40	Female	Married	Unknown,	15 years	Gov. Order	5 years	Remains	Improved		
5760	do 20	50	Male	do	do	10 years	do	5 years	do	do		
5761	do 20	65	do	Single	do	20 years	do	5 years	Discharged	Not improved		
5762	do 20	45	do	Unknown	do	5 years	do	5 years	Remains	do		
5763	do 20	30	Female	Single	do	9 years	do	4 yrs 8 mths	Discharged	Improved		
5764	do 20	44	do	Married	do	10 years	do	4 yrs 8 mths	do	do		
5765	do 20	30	do	Single	do	9 years	do	5 years	Remains	do		
5767	do 22	68	do	Widow	Epilepsy,	10 years	Private Bond	5 years	do	Not improved		
5786	Oct. 23	30	do	Single	Unknown,	3 years	Probate Court	4 yrs 11 mths	do	do		
5790	do 30	25	Male	do	do	9 months	do	4 yrs 11 mths	do	do		
5799	Nov. 13	45	do	Married	Ill health,	3 years	Private Bond	4 yrs 11 mths	do	Improved		Periodical.
5810	Dec. 8	49	do	do	Intemperance,	10 years	Probate Court	4 yrs 10 mths	do	do		
5814	do 18	37	do	Single	Masturbation,	3 weeks	Private Bond	4 yrs 9 mths	do	Not improved	do	
5817	do 30	21	do	do	Fright,	4 years	Probate Court	4 yrs 8 mths	Discharged	Improved		
	1859											
5825	Jan. 11	27	do	do	Unknown,	Unknown	Just. P. and Q.	4 yrs 7 mths	do	do		
5850	Mar. 14	38	Female	Married	Unfortunate marriage,	6 weeks	Probate Court	4 yrs 7 mths	Remains	Not improved		Suicidal.
5856	do 25	40	Male	do	Unknown,	2 years	do	4 yrs 6 mths	do	do		
5859	do 30	24	do	Single	do	6 months	do	4 yrs 6 mths	do	do		
5866	April 8	24	do	do	Masturbation,	6 years	Overseers	4 yrs 6 mths	do	Improved	Hereditary.	Suicidal.
5875	do 18	50	Female	Married	Spiritualism,	3 months	Probate Court	4 yrs 5 mths	do	do		
5880	do 19	20	Male	Single	Epilepsy,	1 year	Private Bond	4 yrs 5 mths	do	Not improved		Periodical.
5888	May 16	25	Female	do	Unknown,	3 weeks	Just. P. and Q.	4 yrs 5 mths	do	Improved		
5892	do 21	43	do	Married	do	1 year	Police Court	4 yrs 4 mths	do	Not improved		
5922	June 3	59	Male	do	Ill health,	10 months	Overseers	4 yrs 4 mths	do	do		
5903	do 4	58	do	do	do	9 years	Private Bond	4 yrs 4 mths	do	Not improved	do	Suicidal & Homi- [cidal.
5907	do 10	64	do	do	do	5 years	Probate Court	3 yrs 11 mths	do	do		
5908	do 10	24	Female	Single	Ill health,	2 years	do	4 yrs 4 mths	Remains	Improved	do	
5909	do 11	42	Male	do	Unknown,	2 years	do	4 yrs 4 mths	do	do		
5912	do 13	28	Female	Widow	Domestic affliction,	1 week	do	4 yrs 4 mths	do	Improved		
5914	do 28	26	Male	Single	Epilepsy,	14 years	do	4 yrs 3 mths	do	Not improved		do
5923	July 7	35	Female	Married	Puerperal,	3 months	do	4 yrs 3 mths	do	do	Suicidal.	



5933	July 19	27	Male	Single	Masturbation,	3 years	Probate Court	4 yrs	2 mths	Remains	Not improved	Hereditary.	Homicidal.
5951	Aug. 12	13	do	do	Epilepsy,	1 year	do	4 yrs	2 mths	do	Improved		
5954	do 15	29	do	Married	Intemperance,	3 months	do	3 yrs	8 mths	Discharged	do		
5956	do 17	40	Female	Single	Unknown,	8 years	Private Bond	4 yrs	1 mth	Remains	Not improved		
5962	do 28	43	do	Married	Domestic affliction,	3 months	Probate Court	4 yrs	1 mth	do	Improved	do	
5964	Sept. 7	63	Male	do	Loss of property,	2 years	Overseers	4 yrs	1 mth	do	do		
5976	do 30	33	Female	Single	Ill health,	6 months	Probate Court	4 years	do	do	Not improved		Periodical.
5977	Oct. 3	45	Male	Married	Unknown,	2 weeks	do	4 yrs	do	do	do		
5983	do 18	18	Female	Single	Masturbation,	3 months	Just. P. and Q.	3 yrs	11 mths	do	Improved		
5996	Nov. 12	30	do	Married	Trouble,	3 years	Probate Court	3 yrs	10 mths	do	do		
6003	do 29	55	Male	do	Epilepsy,	3 years	do	3 yrs	10 mths	do	Not improved		
6007	Dec. 8	29	Female	Single	Fever,	10 years	do	3 yrs	10 mths	do	do		
6011	do 11	26	Male	do	Epilepsy,	6 years	do	3 yrs	10 mths	do	do		
6022	Jan. 20	36	do	do	Loss of property,	3 years	do	3 yrs	8 mths	do	do	Suicidal.	
6025	do 21	23	do	Married	Unknown,	3 months	do	3 yrs	8 mths	do	do		
6031	Feb. 1	15	do	Single	Epilepsy,	3 years	do	3 yrs	5 mths	Discharged	Improved		
6033	do 1	27	Female	do	Unknown	2 weeks	do	3 yrs	8 mths	Remains	Not improved		
6034	do 1	18	Male	do	do	Unknown	do	3 yrs	8 mths	do	Improved		
6039	do 14	43	do	Married	Religious,	3 years	do	3 yrs	8 mths	do	do	Hereditary.	
6043	do 22	50	Female	Single	Unknown,	3 days	Private Bond	3 yrs	7 mths	do	Not improved		
6047	do 25	36	Male	do	Masturbation,	4 years	Overseers	3 yrs	7 mths	do	Consumption	do	
6048	do 25	43	Female	do	Unknown,	3 do	Private Bond	3 yrs	4 mths	Died	Not improved	Suicidal.	
6049	do 25	40	do	do	do	3 do	do	3 yrs	6 mths	Died	Con. of Brain		
6052	do 29	66	Male	Married	Opium eating,	6 months	Probate Court	3 yrs	4 mths	do	Not improved		Homicidal.
6062	Mar. 17	33	Female	Single	Unknown,	Few days	do	3 yrs	7 mths	Remains	do		
6067	do 24	30	do	Married	Injury by falling,	3 years	do	3 yrs	6 mths	Died	Not improved	Suicidal.	
6073	April 9	30	Male	do	Jealousy,	2 months	do	3 yrs	6 mths	Discharged	do	do	
6074	do 10	25	Female	do	Measles,	1 year	do	3 yrs	6 mths	do	do	do	
6081	do 23	53	Male	do	Epilepsy,	1 week	Police Court	3 yrs	5 mths	do	do	Hereditary.	
6083	do 24	23	do	Single	Unknown,	9 months	Just. P. and Q.	3 yrs	5 mths	do	do	Suicidal.	
6088	May 2	35	Female	do	Ill health,	1 year	Probate Court	3 yrs	5 mths	do	Improved	do	Periodical.
6089	do 3	40	Male	do	Unknown,	10 years	do	3 yrs	1 mth	Discharged	Not improved	do	
6090	do 3	23	do	Married	do	2 months	do	3 yrs	3 mths	do	Improved	do	
6094	do 19	30	Female	do	Puerperal,	3 weeks	do	3 yrs	4 mths	Died	Consumption	do	
6095	do 11	28	Male	do	Unknown,	18 months	do	3 yrs	4 mths	Remains	Not improved	do	
6097	do 12	49	Female	do	do	14 years	Private Bond	3 yrs	4 mths	do	Improved	Hereditary.	do
6103	do 23	37	do	do	Puerperal,	6 months	Just. P. and Q.	3 yrs	4 mths	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 Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
1860												
6106	May 25	16	Male	Single	Unknown,	6 weeks	Probate Court	3 years	Discharged	Not improved		
6114	June 7	39	Female	Married	do	2 years	do	4 mths	Remains	Improved		Periodical.
6119	do 11	28	Male	Single	do	10 months	do	9 mths	Discharged	Recovered	Suicidal.	
6121	do 12	25	do	do	Religious,	6 weeks	do	3 mths	do	do		
6126	do 20	50	Female	Widow	Intemperance,	6 weeks	do	3 mths	Remains	Improved		
6128	do 25	63	do	do	Ill health,	6 months	do	3 mths	do	Not improved	Hereditary.	
6133	do 28	43	do	do	Unknown,	2 years	do	3 mths	do	do	Suicidal.	do
6134	do 30	46	do	Single	Injury of head,	1 week	do	3 mths	do	Improved		
6144	July 20	18	Male	Single	Masturbation,	2 years	Overseers	3 yrs 2 mths	do	Not improved		
6152	do 30	40	Female	Married	Unknown,	4 weeks	Probate Court	3 yrs 2 mths	do	do		
6154	Aug. 3	19	do	do	do	6 years	Superior Court	2 yrs 10 mths	Discharged	Recovered		
6156	do 3	37	Male	do	Intemperance,	2 months	do	3 yrs 2 mths	Remains	Improved		Homicidal.
6157	do 4	28	Female	do	Unknown,	6 weeks	Probate Court	3 yrs 2 mths	do	do		
6163	do 14	21	Male	do	Masturbation,	6 months	do	2 mths	do	do		
6168	do 21	30	Female	Married	Intemperance,	8 years	do	2 yrs 8 mths	Discharged	Recovered	Hereditary.	
6173	do 30	25	Male	Single	Epilepsy,	18 months	Overseers	3 yrs 1 mth	Remains	Not improved		
6181	Sept. 10	45	do	do	Masturbation,	4 years	Probate Court	3 yrs 1 mth	do	Improved		
6188	do 19	29	do	do	Intemperance,	2 weeks	Superior Court	3 yrs	do	Not improved	do	
6189	do 22	31	Female	do	Unknown,	6 years	Probate Court	3 yrs	do	do	do	
6196	Oct. 5	25	Male	do	Ill health,	1 year	do	3 yrs	do	do	do	
6205	do 19	35	do	Married	do	Short time	Police Court	2 yrs 11 mths	Discharged	do	do	Periodical.
6211	do 27	20	do	Single	do	1 month	Private Bond	2 yrs 10 mths	Died	Consumption	do	
6216	Nov. 5	32	do	Married	do	4 days	Sup. Court	2 yrs 11 mths	Remains	Not improved	do	
6217	do 6	30	do	do	Intemperance,	3 years	Overseers	2 yrs 11 mths	do	do		
6225	do 15	35	Female	do	Unknown,	2 weeks	Private Bond	2 yrs 5 mths	Discharged	Recovered	Suicidal.	
6226	do 16	75	do	Widow	Domestic affliction,	2 months	Probate Court	2 yrs 10 mths	Remains	Improved		
6230	do 23	37	do	Married	Unknown,	2 months	do	2 yrs 6 mths	Discharged	do		
6238	Dec. 6	44	Male	Single	do	5 years	do	2 yrs 10 mths	Remains	Not improved	Hereditary.	
6239	do 6	34	do	Married	do	Few days	do	2 yrs 2 mths	Discharged	Recovered		
6249	do 25	40	do	do	do	do	do	2 yrs	Remains	Not improved.		
1861												
6252	Jan. 5	48	do	do	Religious,	3 years	do	2 yrs 9 mths	Remains	Not improved.		

Year	Age	Sex	Marital	Cause	Duration	Overseers	2 yrs	3 yrs	4 yrs	5 yrs	6 yrs	7 yrs	8 yrs	9 yrs	Remains	Not improved	Periodical.
6255	15	Female	Married	Unknown,	3 weeks	Overseers	2 yrs	3 weeks	3 do	4 months	Private Bond	1 yr	1 yr	9 mths	Remains	Not improved	Periodical.
6260	19	do	do	do	3 do	Just. P. and Q	1 yr	do	do	3 do	Private Bond	1 yr	1 yr	11 mths	Discharged	Recovered	
6261	25	Male	Single	do	4 months	Probate Court	2 yrs	do	do	3 do	Private Bond	2 yrs	2 yrs	8 mths	Remains	Improved	
6266	26	do	Married	Spiritualism,	1 week	Probate Court	2 yrs	do	do	3 do	do	2 yrs	2 yrs	6 mths	Discharged	do	
6268	28	do	do	Religious,	3 years	do	2 yrs	do	do	3 do	do	2 yrs	2 yrs	8 mths	Remains	Not improved	do
6273	12	Female	Single	Epilepsy,	30 years	Private Bond	2 yrs	do	do	3 do	do	2 yrs	2 yrs	2 mths	Died	Exhaustion	do
6281	27	do	do	do	4 months	do	2 yrs	do	do	3 do	do	2 yrs	2 yrs	4 mths	do	Paralysis	do
6283	38	Male	Married	Intemperance,	4 years	do	2 yrs	do	do	3 do	do	2 yrs	2 yrs	7 mths	Remains	Not improved	
6285	5	Female	do	Spinal injury,	6 years	Probate Court	2 yrs	do	do	3 do	do	2 yrs	2 yrs	7 mths	do	do	
6288	6	Male	Single	Masurbation,	3 years	Police Court	2 yrs	do	do	3 do	do	2 yrs	2 yrs	7 mths	do	do	Homicidal.
6294	13	Female	Married	Unknown,	2 do	do	2 yrs	do	do	3 do	do	2 yrs	2 yrs	7 mths	do	do	
6295	13	Male	do	Intemperance,	4 days	Probate Court	2 yrs	do	do	3 do	do	2 yrs	2 yrs	7 mths	do	do	
6297	14	Female	do	Domestic affliction.	1 week	Police Court	2 yrs	do	do	3 do	do	2 yrs	2 yrs	6 mths	do	do	
6301	19	Male	do	Unknown	4 years	Police Court	2 yrs	do	do	3 do	do	2 yrs	2 yrs	6 mths	do	do	
6304	23	Female	Single	Ill health,	6 months	Police Court	2 yrs	do	do	3 do	do	2 yrs	2 yrs	3 mths	Died	Exhaustion	
6309	6	do	do	Masurbation,	do	Probate Court	2 yrs	do	do	3 do	do	2 yrs	2 yrs	6 mths	Remains	Not improved	Hereditary.
6310	8	Male	do	Epilepsy,	6 months	do	2 yrs	do	do	3 do	do	2 yrs	2 yrs	5 mths	do	Improved	Suicidal.
6319	18	Female	do	Unknown,	1 year	do	2 yrs	do	do	3 do	do	2 yrs	2 yrs	5 mths	Discharged	Recovered	Periodical.
6324	2	Male	do	Ill health,	3 months	Private Bond	2 yrs	do	do	3 do	do	2 yrs	2 yrs	5 mths	Remains	Not improved	
6325	4	Female	do	Spiritualism,	5 do	Police Court	2 yrs	do	do	3 do	do	2 yrs	2 yrs	5 mths	do	do	
6330	7	Male	Married	Pecuniary trouble,	2 weeks	Probate Court	1 yr	do	do	3 do	do	2 yrs	2 yrs	7 mths	Discharged	Recovered	do
6336	13	F-male	Single	Irregular menses,	5 do	do	2 yrs	do	do	3 do	do	2 yrs	2 yrs	4 mths	do	Improved	do
6337	14	Male	do	Unknown,	2 weeks	Just. P. and Q.	2 yrs	do	do	3 do	do	2 yrs	2 yrs	4 mths	do	Not improved	do
6341	18	do	do	Epilepsy,	Unknown	Probate Court	1 yr	do	do	3 do	do	2 yrs	2 yrs	4 mths	Remains	Not improved	do
6345	30	do	Married	Business disappointment	1 week	do	2 yrs	do	do	3 do	do	2 yrs	2 yrs	4 mths	Discharged	Recovered	do
6350	31	Female	Single	Epilepsy,	1 year	do	2 yrs	do	do	3 do	do	2 yrs	2 yrs	4 mths	Remains	Not improved	do
6354	38	do	Married	Unknown,	3 years	Overseers	2 yrs	do	do	3 do	do	2 yrs	2 yrs	4 mths	do	do	do
6361	12	Male	Single	do	2 days	Probate Court	2 yrs	do	do	3 do	do	2 yrs	2 yrs	4 mths	do	do	
6366	19	Female	Widow	Loss of children,	5 years	do	2 yrs	do	do	3 do	do	2 yrs	2 yrs	3 mths	do	do	
6367	19	do	Single	Love affair,	3 months	do	1 yr	do	do	3 do	do	2 yrs	2 yrs	7 mths	Discharged	Recovered	Suicidal.
6368	20	do	do	Unknown,	Unknown	Probate Court	2 yrs	do	do	3 do	do	2 yrs	2 yrs	3 mths	Remains	Not improved	
6375	27	do	Widow	do	2 months	Private Bond	2 yrs	do	do	3 do	do	2 yrs	2 yrs	3 mths	do	Improved	do
6378	29	Male	Married	Domestic trouble,	3 years	Police Court	2 yrs	do	do	3 do	do	2 yrs	2 yrs	3 mths	do	Not improved	
6382	4	Female	do	Unknown,	2 do	Overseers	2 yrs	do	do	3 do	do	2 yrs	2 yrs	3 mths	do	Improved	do
6389	12	do	do	do	7 years	Private Bond	2 yrs	do	do	3 do	do	2 yrs	2 yrs	3 mths	do	Not improved	
6390	18	Male	Single	do	18 months	Probate Court	2 yrs	do	do	3 do	do	2 yrs	2 yrs	2 mths	Discharged	Recovered	Periodical.
6391	19	do	Married	Intemperance,	8 months	do	do	do	do	3 do	do	2 yrs	2 yrs	do	Remains	do	do
6400	29	do	do	Hard work,	2 months	Probate Court	do	do	do	3 do	do	do	do	do	do	Improved	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 Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1861											
6401	July 30	20	Male	Single	Fever and ague,	2 years	Police Court	2 yrs 2 mths	Remains	Not improved	Hereditary.	
6402	do 31	35	do	do	Unknown,	Unknown	Sup. Court	do	do	Improved		
6403	Aug. 1	65	Female	Married	Family difficulty,	25 years	Just. P. and Q.	do	do	Not improved		
6405	do 1	23	Male	Single	Masturbation,	18 months	Private Bond	2 years	Discharged	do		
6413	do 12	30	Female	do	Unknown,	1 week	Probate Court	2 yrs 2 mths	Remains	Improved		Periodical.
6414	do 14	74	do	Widow	Old age,	4 years	do	do	do	do		do
6416	do 16	40	do	do	Unknown,	3 months	Police Court	2 yrs 1 mth	do	do		
6418	do 17	35	Male	Single	do	6 years	Probate Court	1 yr 4 mths	Discharged	do		
6421	do 20	25	Female	do	do	5 do	do	2 yrs 1 mth	Remains	do		
6423	do 23	60	do	do	do	20 do	Private Bond	do	do	Not improved		
6424	do 24	30	Male	do	Intemperance,	3 months	Probate Court	1 yr 3 mths	Discharged	Recovered		
6427	Sept. 8	11	do	do	Epilepsy,	5 years	do	1 yr 8 mths	do	Improved		do
6431	do 7	30	Female	Married	Domestic affliction,	10 months	do	2 yrs 1 mth	Remains	Not improved		do
6433	do 10	45	Male	do	Unknown,	10 years	Private Bond	1 yr 3 mths	Discharged	Recovered		do
6444	Oct. 2	50	do	do	do	6 years	Police Court	2 yrs	Remains	Improved		do
6445	do 3	52	do	do	Intemperance,	1 month	do	1 yr 7 mths	Discharged	Recovered		do
6446	do 4	62	Female	Widow	Domestic affliction,	3 years	Probate Court	2 years	Remains	Improved		do
6447	do 4	19	Male	Single	Unknown,	Unknown	do	2 yrs 10 mths	Discharged	do		
6448	do 7	21	Male	do	do	2 years	do	2 yrs	Remains	do		
6452	do 12	18	Female	do	do	12 days	do	1 yr 11 mths	do	Not improved		
6458	do 21	27	Female	do	Disappointed ambition,	1 year	do	1 yr 7 mths	Discharged	Not improved		
6471	Nov. 2	25	do	do	Masturbation,	2 months	do	1 yr 11 mths	Remains	Improved	Suicidal.	
6473	do 6	25	do	do	Unknown,	10 years	do	do	do	Not improved		
6475	do 8	16	do	do	Lung fever,	2 do	do	1 yr 11 mths	do	Improved		
6476	do 9	22	Male	do	Intemperance,	2 do	do	1 yr 11 mths	do	Improved		
6477	do 12	17	do	do	Injury to head,	4 years	Police Court	1 yr 11 mths	Remains	do	Homicidal.	Periodical.
6478	do 13	35	Female	Married	Unknown,	4 months	Just. P. and Q.	1 yr 1 mth	Died	Phthisis	do	do
6479	do 14	35	Male	Single	do	Unknown	Police Court	1 yr 11 mths	Remains	Not improved		
6480	do 14	30	do	do	do	7 years	Probate Court	do	do	Improved	do	do
6481	do 14	39	do	Married	Ill health,	7 do	do	1 year	Discharged	Recovered	Hereditary.	do
6488	do 29	57	do	do	Business anxiety,	2 weeks	do	do	do	Improved	do	Homicidal.
6491	do 29	35	do	Single	Overwork,	3 months	do	1 yr 4 mths	do	Improved	do	do
6493	Dec 2	49	do	Married	Unknown,	14 years	Overseers	1 yr 10 mths	Remains	do	do	Periodical.

Date	Age	Sex	Marital	Illness	Duration	Legal	Time	Disposition	Outcome	Notes
6494	30	Female	Single	Epilepsy,	10 years	Private Bond	1 yr	6 mths	Not improved	Periodical.
6496	12	do	Married	Ill health,	18 months	do	1 yr	4 mths	Exhaustion	Hereditary.
6497	12	Male	Single	Masturbation,	2 weeks	Just. P. and Q.	1 yr	2 mths	Improved	do
6498	14	Female	do	Seduction,	1 year	Probate Court	1 yr	1 mth	Recovered	do
6499	14	Female	Married	Unknown,	do	Overseers	1 yr	6 mths	Improved	do
6501	18	Female	Single	do	do	Private Bond	1 yr	3 mths	do	do
6502	18	do	Married	do	7 years	do	1 yr	9 mths	do	do
6504	23	Male	do	Epilepsy,	2 years	Probate Court	1 yr	11 mths	do	do
6506	24	Female	Single	Unknown,	4 years	do	1 yr	9 mths	do	do
6509	31	do	do	Masturbation,	2 months	Police Court	1 yr	3 mths	do	do
6510	24	do	do	do	1 year	Probate Court	1 yr	9 mths	Not improved	do
6511	8	Male	Married	Intemperance,	1 week	Just. P. and Q.	1 yr	10 mths	Recovered	do
6512	8	do	Single	Epilepsy,	10 years	Probate Court	1 yr	9 mths	Not improved	do
6514	17	do	do	Unknown,	6 months	Police Court	1 yr	11 mths	Recovered	do
6515	21	Female	do	Ill health,	12 years	Probate Court	1 yr	8 mths	Not improved	do
6527	5	Male	Married	Lung fever,	5 weeks	Overseers	1 yr	3 mths	Recovered	Suicidal.
6528	6	Female	Single	Unknown,	1 year	Probate Court	1 yr	8 mths	Not improved	do
6529	7	do	do	Religious,	18 years	do	do	do	do	do
6530	11	do	Married	Family trouble,	4 years	do	do	9 mths	Improved	do
6531	12	Male	Single	Unknown,	1 year	Private Bond	1 yr	2 mths	Recovered	do
6534	19	Female	Married	Puerperal,	5 weeks	Just. P. and Q.	7 mths	15 dys	Improved	do
6537	22	do	Single	Uterine trouble,	6 months	Probate Court	1 yr	8 mths	Not improved	do
6541	3	do	Married	Ill health,	do	do	1 yr	8 mths	Improved	do
6546	7	Male	Single	Epilepsy,	do	Private Bond	1 yr	4 mths	Epilepsy	do
6550	10	Female	Unknown	Unknown,	6 years	Just. P. and Q.	1 yr	7 mths	Recovered	do
6551	12	do	Single	do	7 years	Police Court	1 yr	7 mths	Improved	do
6555	18	Male	Widower	Narcotics,	8 years	Private Bond	9 mths	12 dys	Improved	do
6557	21	do	Single	Unknown,	5 years	do	1 yr	6 mths	Recovered	Hereditary.
6558	21	do	do	Epilepsy,	do	do	1 yr	6 mths	Improved	do
9360	28	do	do	Intemperance,	2 months	Probate Court	10 mths	13 dys	Not improved	do
6364	3	Female	do	Love affair,	2 years	Police Court	1 yr	7 mths	Recovered	Homicidal.
6566	5	Male	Unknown	Injury to head,	Unknown	Probate Court	6 mth	15 dys	Improved	Hereditary.
6567	10	Female	Single	Love affair,	8 months	do	1 yr	6 mths	Not improved	do
6571	16	Male	Married	Imprisonment,	6 months	Sup. Court	1 yr	1 mth	Improved	do
6572	16	Female	Widow	Unknown,	25 years	Overseers	1 yr	1 mth	Recovered	do
6578	24	Male	Single	do	3 months	Probate Court	1 yr	5 mths	Not improved	Suicidal.
6580	24	do	Married	Ill health,	3 weeks	do	do	do	Improved	do

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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 Hospital.	Discharged or Remaining.	In what state.	Suicidal Hereditary.	Homicidal. Periodical.
	1862											
6581	April 26	51	Female	Married	Epilepsy,	10 years	Probate Court	1 yr	5 mths	Remains	Not improved	
6582	May 2	73	Male	do	Unknown,	3 years	do	do	do	do	Improved	
6583	do 3	50	do	do	do	43 do	Overseers	do	do	do	do	
6585	do 13	52	do	Single	Palsy,	22 years	Private Bond	do	do	do	Not improved	
6586	do 19	40	do	Married	Intemperance,	2 do	Police Court	1 yr	1 mth	Died	Exhaustion	
6587	do 19	30	Female	Single	Ill health,	2 months	do	8 mths	Discharged	do	Recovered	Periodical.
6589	do 20	40	Male	do	Epilepsy,	Unknown	Probate Court	4 mths	11 dys	do	Improved	
6590	do 21	42	Female	Married	Unknown,	12 years	do	1 yr	4 mths	Remains	do	
6591	do 22	60	Male	do	do	1 year	Overseers	do	do	do	do	Homicidal.
6592	do 26	41	Female	do	do	2 years	Private Bond	8 mths	Discharged	do	Recovered	
6593	do 29	24	Male	Single	Ill health,	1 year	do	10 mths	do	do	do	
6594	do 30	34	Female	do	Masturbation,	6 months	Probate Court	1 yr	4 mths	Remains	Not improved	
6597	June 2	36	do	do	Epilepsy,	from birth	do	do	do	do	do	Suicidal.
6598	do 3	41	do	Married	Miscarriage,	4 months	do	4 mths	Discharged	do	Improved	
6599	do 3	50	do	do	Turn of life,	2 years	Probate Court	4 mths	do	do	Recovered	
6600	do 4	46	do	Widow	Domestic trouble,	1 year	do	4 mths	do	do	do	
6601	do 6	37	do	do	Unknown,	2 years	do	11 mths	20 dys	do	do	
6602	do 7	30	do	Single	Ill health,	do	do	1 yr	4 mths	Remains	Improved	
6605	do 10	53	do	Married	Turn of life,	do	Private Bond	do	do	do	do	
6606	do 11	46	do	Widow	Unknown,	3 weeks	Probate Court	1 yr	1 mth	Discharged	do	
6608	do 16	60	Male	Single	Epilepsy,	10 days	Private Bond	1 yr	1 mth	Discharged	Recovered	
6609	do 19	35	Female	Married	Menstrual trouble,	1 year	Probate Court	9 mths	11 dys	Died	Epilepsy	
6612	do 24	27	do	do	Religious,	3 months	do	6 mths	Discharged	do	Recovered	
6613	do 25	40	do	do	Unknown,	do	do	3 mths	Remains	do	Not improved	
6616	do 28	22	Male	do	Fever,	7 years	Alien Coms.	8 mths	Discharged	do	Recovered	
6618	do 28	60	do	do	do	6 months	Private Bond	4 mths	do	do	Improved	
6619	do 28	27	Female	do	Ill health,	1 year	do	5 mths	do	do	Recovered	
6620	July 2	51	Male	do	Epilepsy,	do	Probate Court	10 mths	15 dys	Died	Epilepsy	
6621	do 2	51	Female	Married	Ill health,	2 years	do	1 yr	3 mths	Remains	Improved	
6622	do 3	58	do	do	Religious,	2 weeks	do	do	do	do	Not improved	
6623	do 5	77	Male	Single	Masturbation,	2 months	do	3 mths	do	do	do	
6624	do 7	50	do	Married	Old age,	10 years	Private Bond	3 mths	Discharged	do	Recovered	
					Paralysis,	2 do	do	2 mths	Died	do	Paralysis	

1862	Sex	Age	Occupation	Duration	Probate Court	7 months	Discharged	Recovered	Outcome
6625	Female	20	Irregular menses,	2 weeks	Probate Court	1 yr	Discharged	Recovered	do
6626	do	11	Old age,	4 months	Private Bond	3 mths	Remains	Improved	do
6627	do	11	Domestic affliction,	6 months	Overseers	4 mths	Died	Exhaustion	Suicidal.
6629	do	16	Ill health,	6 years	Private Bond	1 yr	2 mths	Not improved	do
6630	do	18	Unknown,	9 do	Probate Court	do	Remains	Improved	do
6632	Male	35	Unknown,	15 do	do	9 months	Discharged	Recovered	Periodical.
6633	Female	21	Ill health,	do	do	1 yr	2 mths	Improved	do
6634	do	21	Epilepsy,	6 months	do	3 mths	10 dys	Recovered	do
6634	Female	23	Puerperal,	1 year	do	4 months	do	Improved	do
6635	do	24	Loss of property,	2 months	do	3 months	do	Recovered	do
6636	do	30	Ill health,	5 weeks	do	1 yr	2 mths	Improved	do
6637	do	31	Nostalgia,	3 years	do	do	Remains	Not improved	do
6640	Male	50	Ill health,	9 do	Private Bond	6 months	Discharged	Improved	do
6642	Female	4	do	2 months	Probate Court	1 yr	2 mths	do	do
6643	do	8	Unknown,	2 do	do	do	do	do	do
6644	do	30	do	2 weeks	do	3 mths	14 dys	Recovered	Hereditary.
6646	Male	11	Ill health,	1 do	do	1 yr	2 mths	Improved	do
6647	do	14	Intemperance,	10 months	do	1 yr	1 mth	Not improved	do
6648	do	19	Epilepsy,	2 months	do	do	Discharged	Recovered	Suicidal.
6649	do	23	Love affair,	9 weeks	do	7 mths	do	do	do
6650	do	27	Turn of life,	1 do	do	4 mths	do	Improved	do
6651	Male	30	Intemperance,	4 years	do	6 mths	do	do	do
6652	do	3	Unknown,	4 weeks	do	2 mths	do	Recovered	do & Hereditary.
6653	do	6	Improper bathing,	4 days	do	1 mth	10 dys	do	do
6654	do	8	Politics,	4 week	do	3 mths	7 dys	do	do
6655	do	10	Unknown,	2 years	Overseers	do	do	do	do
6656	do	17	do	11 year	Probate Court	22 dys	do	Not improved	Hereditary.
6657	do	18	Epilepsy,	6 weeks	Private Bond	23 dys	do	Improved	do
6658	do	20	Spinal injury,	1 year	Probate Court	1 mth	10 dys	Recovered	Suicidal.
6659	do	23	Unknown,	3 months	do	1 yr	do	Improved	do
6663	do	23	Ill health,	6 years	do	1 mth	23 days	do	do
6661	do	23	Paralysis,	3 do	do	1 mth	5 mths	do	do
6662	do	24	do	2 weeks	do	1 yr	do	Not improved	do
6663	do	27	Intemperance,	5 years	do	1 yr	do	Recovered	Hereditary,
6664	do	29	Unknown,	1 week	do	do	Remains	Not improved	do
6665	do	3	Delirium tremens,	do	do	2 dys	Died	Del. tremens	do
6667	do	6	Unknown,	do	do	6 mths	17 dys	Consumption	do
6667	do	7	Ill health,	3 months	do	2 mths	10 dys	Recovered	do
6668	do	7	Unknown,	7 years	Gov's warrant	1 yr	Remains	Not improved	do

## TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admit- ted.	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1862											
6669	Oct. 9	52	Female	Married	Unknown, . . .	1 week	Private Bond	2 mths 18 dys	Discharged	Recovered	Suicidal	Periodical.
6670	do 13	29	Male	Single	Masturbation, . . .	9 years	Probate Court	5 mths 8 dys	do	Improved	Hereditary.	
6671	do 16	26	Female	do	Intemperance, . . .	1 month	Superior Court	6 mths 8 dys	do	Recovered	do	do
6672	do 17	74	Male	Widower	Fever, . . .	13 years	Private Bond	1 mth 12 dys	do	do	do	do
6673	do 18	48	do	Married	Unknown, . . .	5 months	Probate Court	5 dys	do	Improved	do	do
6674	do 20	40	do	do	Domestic affliction, . . .	3 do	do	11 mths	Remains	do	Homicidal.	Suicidal.
6675	do 20	41	do	Widower	Unknown, . . .	7 do	do	7 mths 16 dys	Discharged	Recovered	do	do
6676	do 23	45	do	Single	Ill health, . . .	3 years	Private Bond	1 mth 7 dys	Died	Exhaustion	Hereditary.	do
6677	do 23	59	Female	Married	Unknown, . . .	4 months	Probate Court	3 mths	Discharged	Recovered	Periodical.	do
6678	do 25	45	do	do	Unknown, . . .	6 months	do	3 mths 2 dys	do	do	do	do
6679	do 25	53	Male	Single	Ill health, . . .	18 years	Private Bond	5 mths	do	Improved	do	do
6680	do 30	48	do	Married	Unknown, . . .	6 months	Probate Court	8 weeks	do	do	do	do
6681	do 31	88	Female	Widow	Old age, . . .	6 do	Private Bond	17 dys	Died	Old age	do	do
6682	Nov. 7	22	do	Single	Ill health, . . .	6 do	Probate Court	8 dys	Discharged	Recovered	do	Hereditary.
6683	do 8	47	do	Widow	Unknown, . . .	4 days	do	1 mth 19 dys	do	do	do	do
6684	do 11	28	Male	Single	Intemperance, . . .	2 years	do	5 mths	do	Improved	do	do
6685	do 11	38	do	Married	do	5 weeks	do	1 mth 18 dys	do	Recovered	do	do
6686	do 11	60	do	Single	Epilepsy, . . .	Unknown	do	7 mths 9 dys	do	Improved	do	do
6687	do 17	57	do	do	Unknown, . . .	3 weeks	do	10 mths	Remains	do	do	do
6688	do 20	22	do	do	do	10 days	Private Bond	5 mths 20 dys	Discharged	do	do	do
6689	do 24	33	Female	Married	Domestic affliction, . . .	1 week	Probate Court	10 mths	Remains	do	Suicidal.	do
6690	do 25	37	do	Single	Unknown, . . .	15 years	Private Bond	do	do	Not improved	do	do
6691	do 25	30	Male	Married	Epilepsy . . .	2 do	do	do	do	Improved	do	do
6692	do 28	15	Female	Single	Idiocy, . . .	1 week	do	do	Died	Marasmus	do	do
6693	do 28	45	Male	do	Fright, . . .	25 years	Overseers	do	do	Improved	Hereditary.	Suicidal.
6694	do 28	48	do	Married	Ill health, . . .	6 months	Probate Court	3 mths	Discharged	do	do	do
6695	Dec. 1	44	do	do	do	12 do	Private Bond	10 mths	Remains	do	do	do
6696	do 1	52	do	do	do	6 do	Probate Court	do	do	do	do	do
6697	do 1	45	do	do	Epilepsy, . . .	Unknown	do	8 mths 10 dys	Died	Epilepsy	do	do
6698	do 4	33	do	Single	Unknown, . . .	26 years	Private Bond	4 mths 10 dys	Discharged	Improved	do	Periodical
6699	do 8	42	Female	Married	do	Few days	Overseers	8 mths 19 dys	do	Recovered	do	do
6700	do 10	34	do	do	Domestic affliction, . . .	6 months	Probate Court	9 mths 20 dys	Remains	Improved	do	do
6701	do 11	39	Male	do	do	18 do	do	9 mths 19 dys	do	do	do	do



Date	Sex	Married	Ill health	Duration	Probate Court	Discharged	Recovered	Hereditary	Final Disposition
1862 Dec. 12	33	Female Single	Ill health	6 months	Private Bond	4 mths	Recovered		Homicidal.
6702	16	do do	Unknown	2 do	Probate Court	7 mths 9 dys	Improved		Periodical.
6703	12	Male do	Epilepsy	1 do	do	9 mths 11 dys	Not improved	Hereditary.	Homicidal.
6704	19	Male do	Unknown	5 years	do	6 mths	Recovered		Periodical.
6705	19	Female do	Unknown	2 weeks	do	17 mths	do		
6706	65	do Married	Ill health	4 years	do	4 mths 17 dys	Not improved		
6707	22	do Single	Unknown	15 do	do	9 mths 8 dys	Improved		
6708	22	Male Married	do do	7 do	do	do	do		Suicidal.
6709	23	Female do	do do	4 do	Private Bond	9 mths 7 dys	do		do
6710	34	do Single	do do	7 do	do	5 dys	Not improved		
6711	23	Male do	do do	2 weeks	do	8 wks 5 dys	Recovered		
6712	30	Male Married	do do	1 week	Probate Court	24 dys	do		
6713	26	do do	Hard work	6 months	Private Bond	9 mths	Not improved		
6714	29	Female Single	Unknown	6 months	do	24 dys	do		
1863 Jan. 1	37	do do	do do	3 years	Probate Court	9 mths	do		
6715	30	do do	do do	3 months	do	4 mths	Recovered		
6716	20	Male do	Masturbation	3 years	Private Bond	do	Improved		Hereditary.
6717	27	Female do	Disappointment in love	1 month	Probate Court	9 mths	do		
6718	6	Male Married	Unknown	5 months	Private Bond	8 mths	do		Suicidal.
6719	6	Female Single	do do	1 week	Probate Court	9 mths	do		do
6720	10	Female do	do do	3 months	Private Bond	15 dys	Recovered		Periodical.
6721	13	Male do	Ill health	1 year	Probate Court	8 mths 17 dys	Not improved		
6722	14	Female Widow	Loss of friends	8 months	do	16 dys	do		
6723	15	Male Married	Domestic affliction	5 do	Private Bond	8 mths 11 dys	do		Suicidal.
6724	20	Female Widow	do do	1 year	Overseers	do	Improved		Hereditary and Period.
6725	38	Male Single	do do	5 weeks	Probate Court	3 mths 17 dys	Consumption		Suicidal.
6726	24	Female Married	Puerperal	1 week	do	8 mths	Recovered		
6727	24	Male do	Intemperance	2 weeks	Private Bond	3 mths 17 dys	do		
6728	27	do do	Ill health	3 months	do	8 mths	do		
6729	27	Female Single	do do	2 weeks	Probate Court	1 mth 19 dys	Improved		do
6730	32	do Married	Unknown	6 months	do	8 mths	Improved		
6731	27	Male do	Epilepsy	3 years	do	7 mths	Pilepsy		
6732	55	do do	Unknown	10 years	do	8 mths	Improved		
6733	28	do do	do do	13 do	do	8 mths	Improved		
6734	31	Female Married	Ill health	1 do	Private Bond	do	Not improved		
6735	6	do do	Puerperal	3 weeks	Probate Court	7 mths 19 dys	Recovered		Suicidal.
6736	2	do do	Unknown	2 do	do	1 mth 12 dys	do		
6737	7	do do	do do	1 do	do	do	do		
6738	12	Male do	do do	2 do	do	4 mths 18 dys	do		
6739	18	do do	do do	2 do	do	7 mths 20 dys	Improved		
6740	27	do do	Ill health	6 months	do	7 mths 11 dys	do		

## TABULAR VIEW—Continued.

No.	Time of Admiss'n.	Age when admitt-	Sex.	Civil condition.	Supposed Cause.	Duration before admission.	By whom committed.	Time spent in Hospital	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
1863												
6739	Feb. 19	41	Male	Married	Unknown,	Few days	Probate Court	18 dys	Died	Exhaustion	Suicidal.	Homicidal.
6740	do 24	19	Female	Single	do	1 month	do	20 dys	Discharged	Recovered	do	Periodical.
6741	do 24	34	Male	Married	Intemperance,	2 weeks	Private Bond	15 dys	do	do	do	do
6742	do 25	19	do	Single	do	6 do	Probate Court	7 mths	Remains	Improved	do	do
6743	do 26	40	Female	Married	Gestation,	6 months	do	2 mths	Discharged	Recovered	do	do
6744	Mar. 2	29	do	do	Ill health,	2 years	do	7 mths	Remains	Not improved	Suicidal.	Homicidal.
6745	do 2	26	do	Single	Love affair,	9 weeks	Private Bond	3 mths, 9 dys	Discharged	Improved	do	do
6746	do 3	43	do	do	Unknown,	10 months	Overseers	7 mths	Remains	Recovered	do	do
6747	do 4	31	Male	Married	do	3 months	Probate Court	1 mth	Discharged	Improved	do	do
6748	do 5	25	do	Single	Intemperance,	2 years	do	7 mths	Remains	Improved	do	do
6749	do 7	19	Female	do	Ill health,	2 months	Alien Comm's.	do	do	do	do	do
6750	do 10	43	do	Married	do	1 do	Probate Court	1 mth	Discharged	Recovered	Hereditary.	do
6751	do 10	35	Male	do	Intemperance,	5 years	do	20 dys	do	Improved	do	do
6752	do 11	35	Female	do	Gestation,	1 week	do	5 mths	do	Recovered	do	do
6753	do 12	35	Female	Single	Intemperance,	4 months	do	18 dys	Remains	Not improved	Periodical.	do
6754	do 18	34	Female	Married	Gestation,	2 years	do	6 mths	do	Improved	do	do
6755	do 21	23	do	Single	Love affair,	2 months	do	12 dys	Discharged	do	Suicidal.	Homicidal.
6756	do 27	79	Male	Married	Intemperance,	4 do	do	6 mths	Remains	Not improved	do	do
6757	do 28	36	do	do	do	1 week	do	20 dys	Discharged	Recovered	do	do
6758	do 29	73	do	do	do	2 do	do	1 mth	do	do	Hereditary.	Homicidal.
6759	do 29	19	do	Single	do	8 days	do	6 mths	Remains	Not improved	do	do
6760	April 4	50	Female	Married	Turn of life,	2 weeks	do	18 dys	Discharged	Recovered	do	do
6761	do 6	75	Male	do	Intemperance,	6 do	Private Bond	3 mths	do	do	do	do
6762	do 9	33	do	do	Unknown,	6 months	Probate Court	6 mths	Remains	Not improved	do	do
6763	do 9	39	Female	do	Ill health,	8 do	Overseers	do	do	Improved	do	Suicidal.
6764	do 13	35	Male	do	do	1 do	Probate Court	8 dys	Discharged	do	do	do
6765	do 15	34	do	Single	Epilepsy,	16 years	do	3 mths	do	do	do	do
6766	do 15	49	Female	Married	Turn of life,	6 do	do	do	do	do	do	do
6767	do 17	30	Male	Single	Intemperance,	1 month	do	4 dys	do	Recovered	do	Periodical.
6768	do 17	26	Female	do	Ill health,	3 months	do	13 dys	Remains	Improved	do	do
6769	do 21	63	do	Married	Death of child,	6 do	do	3 mths	Discharged	do	do	do
6770	do 22	45	Male	do	Intemperance,	9 years	do	11 dys	do	Recovered	do	do
6771	do 24	35	Female	do	Ill health,	5 weeks	do	4 mths	do	do	do	do

1863	Age	Sex	Marital	Cause	Duration	Legal	Medical	Disposition	Result	Classification
6772	April 27	Female	Single	Love affair,	5 months	Private Bond	Improved	Improved	do	Periodical.
6773	do 30	do	Married	Unknown,	2 do	Probate Court	do	do	do	Suicidal.
6774	May 1	Male	Single	Masturbation,	3 years	do	do	do	do	do
6775	do 2	do	do	Unknown,	1 do	do	do	do	do	do
6776	do 4	do	Married	do	1 month	do	do	do	do	do
6777	do 6	Female	do	do	10 years	do	do	do	do	do
6778	do 6	do	do	Domestic trouble,	6 weeks	do	do	do	do	do
6779	do 6	do	do	Death of husband,	5 months	Private Bond	do	do	do	do
6780	do 6	do	Single	Ill health,	3 years	Probate Court	do	do	do	do
6781	do 8	Male	do	Love affair,	10 do	do	do	do	do	do
6782	do 8	do	do	Unknown,	Unknown	Private Bond	do	do	do	do
6783	do 9	Female	Married	Ill health,	6 months	Probate Court	do	do	do	do
6784	do 11	do	do	do	1 week	do	do	do	do	do
6785	do 12	Male	Single	Epilepsy,	1 year	do	do	do	do	do
6786	do 15	Female	do	Intemperance,	do	do	do	do	do	do
6787	do 16	Male	do	Unknown,	Unknown	do	do	do	do	do
6788	do 18	Female	do	do	2 weeks	Private Bond	do	do	do	do
6789	do 18	Male	do	Masturbation,	3 months	Superior Court	do	do	do	do
6790	do 18	do	do	do	1 do	Private Bond	do	do	do	do
6791	do 19	do	do	Intemperance,	3 do	Probate Court	do	do	do	do
6792	do 19	do	Married	Hard work,	1 week	do	do	do	do	do
6793	do 19	do	do	Ill health,	2 months	do	do	do	do	do
6794	do 20	Female	do	do	Unknown	Alien Commis	do	do	do	do
6795	do 20	do	do	Unknown,	do	Private Bond	do	do	do	do
6796	do 21	Male	do	Hard work,	3 months	Probate Court	do	do	do	do
6797	do 25	do	Single	Masturbation,	1 year	do	do	do	do	do
6798	do 24	do	Married	Fever,	3 weeks	do	do	do	do	do
6799	June 2	do	do	Intemperance,	Unknown	Private Bond	do	do	do	do
6800	do 4	do	Single	Study,	do	Probate Court	do	do	do	do
6801	do 4	Female	Married	Ill health,	2 weeks	do	do	do	do	do
6802	do 4	Male	Single	do	Unknown	Private Bond	do	do	do	do
6803	do 6	Female	do	Unknown,	2 years	do	do	do	do	do
6804	do 6	do	Married	Epilepsy,	3 months	do	do	do	do	do
6805	do 8	Male	do	Ill health,	10 days	do	do	do	do	do
6806	do 8	Female	do	do	4 years	do	do	do	do	do
6807	do 9	Male	Single	Epilepsy,	7 do	Probate Court	do	do	do	do
6808	do 10	do	do	Intemperance,	1 week	Superior Court	do	do	do	do
6809	do 11	Female	do	Love affair,	6 months	Probate Court	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 Hospital.	Discharged or Remaining.	In what state.	Suicidal. Hereditary.	Homicidal. Periodical.
	1863											
6810	June 12	42	Female	Single	Unknown.	7 years	Private Bond	3 mths 18 dys	Remains	Improved		
6811	do 15	50	Male	Married	Intemperance.	10 days	Probate Court	3 mths 15 dys	do	Not improved		
6812	do 17	25	do	Single	Epilepsy.	8 months	Overseers	3 mths 13 dys	do	do		
6813	do 18	32	Female	Married	Ill health.	11 days	Private Bond	3 mths 12 dys	do	Improved		
6814	do 28	53	do	do	Unknown.	1 week	Probate Court	do	do	do	Suicidal.	
6815	do 23	45	do	do	Turn of life.	2½ years	Private Bond	3 mths 7 dys	do	do	do	
6816	do 28	29	Male	Single	Exposure.	6 months	Probate Court	2 mths 17 dys	Discharged	Recovered	do	Periodical.
6817	do 24	45	do	do	Masturbation.	1 year	Overseers	3 mths	Remains	Improved	do	Homicidal.
6818	do 24	50	Female	Married	Domestic trouble.	6 weeks	Probate Court	do	do	do		Periodical.
6819	do 25	44	Male	do	Paralysis.	6 months	do	do	do	do		Homicidal.
6820	do 30	31	Female	Single	Epilepsy.	11 years	Private Bond	do	do	do	Hereditary.	do
6821	July 2	34	Male	do	Unknown.	15 do	do	do	do	do		
6822	do 2	32	do	do	do	3 do	do	do	do	do		
6823	do 6	35	do	do	do	2 weeks	Probate Court	do	do	do		
6824	do 10	31	Female	do	Epilepsy.	1 week	Overseers	2 mths 20 dys	do	Improved		
6825	do 11	23	do	do	Ill health.	6 months	Probate Court	15 dys	Died	Suicide		
6826	do 16	45	do	Married	Unknown.	3 do	do	14 dys	Remains	Improved		
6827	do 17	25	do	Widow	Intemperance.	1 do	do	18 dys	do	do		
6828	do 31	43	Male	Married	do	4 do	do	2 mths	do	do	do	do
6829	do 31	54	do	do	Loss of property.	4 weeks	do	do	do	Not improved	do	Homicidal.
6830	Aug. 1	83	Female	Single	Unknown.	15 years	Private Bond	do	do	do		
6831	do 3	18	Male	do	Ill health.	10 do	do	do	do	Improved		
6832	do 4	55	do	Married	Masturbation.	3 years	Overseers	do	do	Not improved	Hereditary.	
6833	do 4	61	do	do	Unknown.	2 do	Private Bond	do	do	do		
6834	do 5	37	do	do	Loss of property.	Unknown	Probate Court	do	do	do		
6835	do 11	27	Female	Single	Unknown.	8 years	Private Bond	1 mth 20 dys	do	Improved	do	
6836	do 11	33	do	do	Masturbation.	1 month	do	13 dys	Discharged	Recovered		
6837	do 11	66	Male	Married	Love affair.	5 years	Probate Court	20 dys	Remains	Not improved	Suicidal.	do
6838	do 14	4 ms.	Female	Single	Unknown.	Unknown	do	1 mth 17 dys	do	Improved		do
6839	do 14	41	do	do	do	2 years	do	do	do	do		do
6840	do 14	65	Male	do	Intemperance.	2 months	do	do	do	do		
6841	do 15	17	do	Single	Unknown.	2 weeks	Private Bond	1 mth 16 dys	do	do	Hereditary.	
6842	do 15	31	Female	do	Ill health.	3 years	Overseers	do	do	do		

1863	Age.	Sex	Marital	Ill health,	Time	Court	1 mth	14 dys	Remains	Improved	Hereditary.	Periodical.
6843	37	Male	Single	Ill health,	1 week	Probate Court	1 mth	14 dys	Remains	Improved		
6844	17	do	do	Unknown,	1 month	Superior Court	1 mth	13 mth	Discharged	Recovered		
6845	25	do	do	Epilepsy,	3 years	Probate Court	1 mth	13 dys	Remains	Not improved		
6846	5	do	do	Paralysis,	4 weeks	Private Bond	1 mth	11 dys	do	do		
6847	20	Female	Married	Puerperal,	1 year	do	1 mth	7 dys	do	Improved	Hereditary.	Homicidal.
6848	24	Male	do	Unknown,	6 mths	Probate Court	1 mth	6 dys	do	do	do	Periodical.
6849	26	Female	Single	do	2 years	do	1 mth	5 dys	do	do	do	do
6850	26	do	do	Typhoid fever,	2 months	do		do	do	do	do	do
6851	21	Male	do	Ill health,	6 do	do		1 mth	do	Not improved		Homicidal.
6852	27	Female	Married	Domestic trouble,	2 years	do		do	do	Improved		Periodical.
6853	27	do	Widow	Fall,	7 do	do		do	do	Not improved		do
6854	29	do	Married	Unknown,	Unknown	do		do	do	Improved		do
6855	1	Male	do	do	25 years	do		do	do	do		do
6856	3	Female	do	do	3 do	Private Bond		27 dys	do	do		do
6857	3	do	do	do	1 do	Probate Court		do	do	do		do
6858	4	do	do	do	6 weeks	do		26 dys	do	do		do
6859	21	do	do	do	2 years	do		22 dys	do	do		do
6860	8	Male	Single	Masturbation,	2 weeks	do		21 dys	do	Not improved		do
6861	9	Female	do	Epilepsy,	1 year	do		do	do	do		do
6862	10	Female	Married	Unknown,	Unknown	Private Bond		do	do	Improved		do
6863	15	Male	do	do	9 months	Probate Court		20 dys	do	Not improved		do
6864	16	do	do	Ill health,	1 week	Private Bond		15 dys	do	Improved		do
6865	16	Female	Single	do	6 do	Probate Court		14 dys	do	do		do
6866	17	Male	do	Masturbation,	10 do	do		do	do	Not improved	Suicidal.	do
6867	31	Female	do	Ill health,	10 do	do		13 dys	do	Improved		do
6868	17	Male	do	Masturbation,	10 years	Private Bond		do	do	Not improved		do
6869	21	do	Married	Ill health,	1 week	Probate Court		do	do	Improved		do
6870	30	do	do	Unknown,	3 years	Alien Commis.		9 dys	do	Not improved		do
6871	21	do	Widower	do	4 months	Probate Court		8 dys	do	Improved		do
6872	22	Female	Single	do	5 years	Alien Commis.		7 dys	do	Not improved	Hereditary.	do
6873	23	Male	do	do	2 do	do		do	do	do		do
6874	23	do	do	Intemperance,	10 months	Probate Court		6 dys	do	do		do
6875	24	Male	Married	Unknown,	Unknown	do		do	do	Improved		do
6876	24	do	do	Ill health,	1 week	do		4 dys	do	do		do
6877	26	Female	Single	Unknown,	3 months	do		1 day	do	Not improved		do
6878	29	do	do	do	1 do	do		do	do	Improved		Homicidal.
6879	29	Male	Widower	Intemperance,	1 year	do		do	do	Not improved	do	Period.
6880	30	do	do	Domestic affliction,	1 year	Private Bond		do	do	do		do

*Classification of Expenses as per Treasurer's Report.*

## P R O V I S I O N S .

Breadstuffs—Flour, . . . . .	\$3,308 79	
Crackers, . . . . .	185 72	
Rye, Corn Meal and Hominy, . . . . .	400 00	
Fish, . . . . .	698 94	
Meats, . . . . .	3,890 37	
Fruits—Apples, . . . . .	414 14	
Other Fruits, . . . . .	123 54	
Vegetables—Potatoes, &c., . . . . .	1,021 70	
Beans, . . . . .	360 27	
Butter, . . . . .	3,681 57	
Sugar, . . . . .	839 09	
Coffee, . . . . .	809 89	
Tea, . . . . .	385 65	
Molasses, . . . . .	368 04	
Eggs, . . . . .	364 81	
Small Groceries, . . . . .	528 87	
Ice, . . . . .	153 31	
	<hr/>	\$17,534 70

## C L O T H I N G .

Boots and Shoes, and Caps, . . . . .	\$722 02	
Fulled Cloth and Garments, . . . . .	1,038 98	
	<hr/>	\$1,761 00

## F U R N I T U R E .

House furnishing goods, . . . . .	\$617 14	
Paper Hangings, . . . . .	68 42	
Bedding—Mattresses, Blankets, &c., . . . . .	756 48	
Crockery and Glass Ware, . . . . .	440 10	
Dry Goods—Sheetings, Prints, &c., . . . . .	2,177 14	
Pictures and Frames, . . . . .	98 20	
	<hr/>	\$4,157 48

## F U E L .

Wood, (2 years' supply,) . . . . .	\$306 15	
Coal, . . . . .	7,741 66	
	<hr/>	\$8,047 81

## L I G H T .

Gas, . . . . .	\$1,094 10	
Oil—Whale and Kerosene, . . . . .	114 00	
	<hr/>	\$1,208 10

## MEDICAL SUPPLIES.

Medicines, &c., . . . . .	\$552 59
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## AGRICULTURAL DEPARTMENT.

Implements, . . . . .	\$145 51
Live Stock, . . . . .	222 00
Fertilizers, Seeds, &c., . . . . .	144 23
Rent of Land, two years, . . . . .	255 00
Trees, Shrubs, &c., . . . . .	195 00
Provender—Corn, Oats, &c., . . . . .	1,071 96
Labor, and supervision of labor of male patients, . . . . .	2,468 37
	<hr/>
	\$4,802 07

## IMPROVEMENTS AND REPAIRS.

Laundry Fixtures, purchased last year, . . . . .	\$500 00
Steam and Gas Pipe, and Plumbing, . . . . .	189 16
Window Sash, . . . . .	17 50
Lumber, . . . . .	377 55
Hardware, . . . . .	629 36
Blacksmithing, . . . . .	593 75
Bricks, . . . . .	44 55
Sand, Lime, Cement, &c., . . . . .	160 10
Paints and Oils, . . . . .	379 99
Labor, . . . . .	2,314 54
	<hr/>
	\$5,206 50

## SALARIES, WAGES, &amp;C.

Salaries, . . . . .	\$3,235 00
Domestic Department, . . . . .	2,183 51
Supervision and care of patients, . . . . .	5,448 78
Engineers and Watch Department, . . . . .	1,856 25
	<hr/>
	\$12,723 54

## MISCELLANEOUS.

Books, Newspapers, and Lectures, . . . . .	\$352 96
Stationery, . . . . .	122 55
Postage, . . . . .	100 63
Undertakers' bills, . . . . .	326 75
Soap, (2 years,) . . . . .	410 93
Freight, . . . . .	106 35
Carriage Hire, . . . . .	30 75
Watering Streets, (two years,) . . . . .	100 00
Trustees' Expenses, . . . . .	106 84
Elopement Expenses, . . . . .	136 90
Petty Cash Expenses, fares home and cash supplied to patients, &c., . . . . .	264 23
	<hr/>
	\$2,058 89
Total, . . . . .	<hr/>
	\$58,052 68

The following table will show the rise in the prices of some of the leading articles of consumption in three years :

ARTICLES.	PRICES.		
	1861.	1862.	1863.
Sugar, . . . . .	\$0 08 $\frac{1}{4}$	\$0 11	\$0 14 $\frac{1}{4}$
Molasses, . . . . .	26	46	55
Tea, . . . . .	42	65	75
Coffee, . . . . .	16	26	32
Butter, . . . . .	16	23	28
Rice, . . . . .	7 $\frac{1}{4}$	8	8 $\frac{1}{4}$
Codfish, . . . . .	3	4 $\frac{3}{4}$	6 $\frac{3}{4}$
Beef, . . . . .	6 $\frac{1}{2}$	7	8
Flour, of the quality used at this hospital, . . . . .	6 $\frac{3}{4}$	7	8 $\frac{3}{4}$
Standard Prints, for dress goods, . . . . .	9	13	25
Cottons, 36 inches wide, . . . . .	9 $\frac{1}{2}$	21	35
Cottons, 45 inches wide, . . . . .	12 $\frac{1}{2}$	28	50
Blankets, . . . . .	2 75	3 50	6 50
Coal, . . . . .	6 50	6 75	10 50

The above table shows the cash prices for the best quality of supplies in this market. The prices of many articles of daily consumption are steadily increasing, viz., coal, flour, meats, cotton goods of all kinds, and blankets, and the prospect is that the prices of all supplies will increase steadily through the ensuing year.

Much attention has been paid to the employment of the patients, and the system of labor has been improved and more fully carried out than before, although our tables do not show a larger amount than for the preceding year. Six good work-rooms have been constructed in the old laundry building, and are growing into daily use. The employment of the inmates has, in many instances, been instrumental in their recovery, and productive of great benefits in those cases where recovery has not yet taken place ; it has contributed to the general health, happiness, and tranquillity of our inmates, and has procured for them comforts and pleasures which could not otherwise



have been afforded. In the choice of occupations, and the times and occasions when the patients may be occupied with safety and propriety, much care and considerable discrimination is necessary. Agricultural labor is best suited to a large class, and perhaps best agrees with all. Some are more willing to attend to their own trades, and others are only suited when assisting at one which they have never followed, and which they know nothing of. There are many, however, independent of the sick and infirm, who cannot be safely engaged in any occupation. In an old institution, this number is necessarily large and increasing.

Some few have a strong dislike to work of any kind; others are so nervous and irritable, that they become violent if they are interfered with sufficiently to place them in any position of labor. Many suffer from epilepsy, and are wholly unfit for labor of any kind, although apparently robust enough to engage in any ordinary employment. A large number are more or less completely demented, and cannot be made to attend to labor of the simplest description. About twenty per cent. of our inmates perform labor to advantage, when under constant direction and assistance, and about sixty per cent. perform some labor every day. The larger number of males are employed in cultivating the farm and gardens; in looking after the stock of cattle, horses and pigs; and in care of the stables and out-houses, yards and drive-ways. A few assist as masons, carpenters, blacksmiths, painters, glaziers, and upholsterers in the general repairs of the establishment. Some assist the engineer in the boiler-house and engine-room, in attending to the fires of the apparatus for warming, ventilating, cooking and pumping. Some assist the baker in the bake-room, and others work in the kitchen. Many are daily employed in the wards, assisting the attendants in the various household duties incident to that station. Most of the healthy females are employed in household work in the several wards of the female department, or in the laundry, kitchen and sewing-rooms. Others knit, sew, and assist in repairs of clothing and bedding, in their own rooms in the wards. Some have, and many might have, sewing and knitting from their own homes. All the work performed by the patients, however, is of an unsteady character, requires constant assistance and

oversight, and is of a quality that no manufacturer or employer would be willing to purchase at any price.

The following tables show some of the results of labor. The best results, those which the patients themselves realize, cannot be shown in any tables. It is fair to state in this connection, that some crops have been grown and gathered on land not belonging to the institution. And no mention is made of the products of such labor in the tables; the work has been done mainly for the sake of procuring for the patients more labor than they otherwise could have enjoyed. There was neither profit nor loss to the institution on account of labor on land not belonging to it. And the only benefit to any one arising from it, was to the patients who cultivated the land and gathered in the crops.

TABLE No. 18,  
*Showing the Number of Days' Work of Patients, and where performed, for the Year ending September 30, 1863.*

PLACE OF LABOR.	OCTOBER.		NOVEM'R.		DECEMBER.		JANUARY.		FEB'Y.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPT'M'R.		Totals for Year.
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
Kitchen, . . . . .	86½	15½	94½	15½	86	15½	93	15½	84	14	85½	13½	105	15	61	12	75	15	31	15½	77½	15	70	35½	1,146½
Bakery, . . . . .	61	-	62	-	62	-	50	-	84	-	93	-	75	-	77	-	30	-	93	-	62	-	60	-	809
Laundry, . . . . .	138	284	121	260½	138	299	126½	279	120	222½	132	244	126	254	132	227½	110	238½	112	231	126	248	122½	290	4,582
Sewing Rooms, . . . . .	-	219	-	341½	-	498	-	498	-	358½	-	348	-	357	-	405	-	464	-	427½	-	408	-	307	4,631½
On Farm, . . . . .	308	-	280	-	222	-	231	-	164	-	119	-	255	-	413½	-	345	-	354	-	385	-	344	-	3,420½
On Yards and Garden, . . . . .	17	-	24½	-	27	-	40	-	80	-	45	-	26	-	50½	-	65	-	79½	-	56	-	98	-	614½
Carpenter and Paint Shop, . . . . .	27	-	27	-	47	-	54	-	37	-	52	-	54	-	26	-	26	-	54	-	68	-	52	-	524
In Wards, . . . . .	-	335	-	130	-	318	-	367	-	340	-	335	-	325	-	357	-	266	-	10	157	-	163	-	3,470
Totals, . . . . .	637½	858½	609	747½	582	1,130½	594½	1,159½	569	935	526½	940½	641	951	766	1,001½	651	983½	733½	831	774½	834	746½	999½	19,198

*Articles made in the Sewing-Rooms during the Year.*

Aprons, . . . . .	160	Jackets, . . . . .	17
Bed Spreads, . . . . .	122	Mattresses, . . . . .	28
Bed Ticks, . . . . .	274	Mittens, pairs of . . . . .	29
Bosoms, . . . . .	14	Neck Ties, . . . . .	14
Bureau Spreads, . . . . .	25	Night Dresses, . . . . .	11
Carpets, . . . . .	2	Night Caps, . . . . .	16
Chemises, . . . . .	170	Overalls, pairs of . . . . .	12
Clothes Bags, . . . . .	10	Pants, pairs of, . . . . .	37
Coats, . . . . .	37	Pillow Cases, . . . . .	270
Collars, . . . . .	28	Sacques, . . . . .	27
Comforters, . . . . .	45	Sheets, . . . . .	281
Curtains, . . . . .	142	Shirts, . . . . .	175
Drawers, pairs of, . . . . .	122	Skirts and Quilts, . . . . .	174
Dresses, . . . . .	237	Suspenders, pairs of, . . . . .	127
Edging, yards of, . . . . .	115	Table Cloths, . . . . .	10
Frocks, . . . . .	13	Towels, . . . . .	289
Hats, braided, . . . . .	22	Under Shirts, . . . . .	14
Handkerchiefs, . . . . .	112	Vests, . . . . .	59
Hose and Socks, pairs of, . . . . .	129	Waists, . . . . .	25

*Articles Repaired in the Sewing-Rooms during the Year.*

Aprons, . . . . .	748	Meal Bags, . . . . .	90
Blankets, . . . . .	124	Night Dresses, . . . . .	53
Bed Spreads, . . . . .	182	Overalls, pairs of, . . . . .	158
Bed Ticks, . . . . .	621	Pants, pairs of, . . . . .	1,354
Bosoms, . . . . .	40	Pillows, . . . . .	150
Chemises, . . . . .	3,626	Pillow Cases, . . . . .	164
Clothes Bags, . . . . .	36	Sheets, . . . . .	187
Coats, . . . . .	680	Shirts, . . . . .	4,911
Collars, . . . . .	33	Skirts, . . . . .	132
Curtains, . . . . .	10	Stockings, pairs of, . . . . .	7,826
Drawers, pairs of, . . . . .	330	Table Cloths, . . . . .	40
Dresses, . . . . .	281	Towels, . . . . .	236
Frocks, . . . . .	86	Tunics, . . . . .	38
Jackets, . . . . .	170	Under Shirts, . . . . .	210
Mattresses, . . . . .	72	Vests, . . . . .	297

*Products of the Farm.*

Apples, . . . . .	30 barrels, at \$2 50	\$75 00
Pears, . . . . .	20 bushels, at 3 00	60 00
Grapes, . . . . .	2 " at 2 00	4 00
Tomatoes, . . . . .	100 " at 50	50 00
Sweet Corn, . . . . .	50 " at 1 50	75 00
Beans, . . . . .	60 " at 2 50	150 00
Parsnips, . . . . .	350 " at 50	175 00
Turnips, . . . . .	450 " at 20	90 00
Potatoes, . . . . .	1,300 " at 50	650 00
Beets, . . . . .	500 " at 20	100 00
Carrots, . . . . .	900 " at 20	180 00
Squashes, . . . . .	9½ tons, at 20 00	190 00
Peppers, . . . . .	3 bushels, at 50	1 50
Cucumbers, . . . . .	50 " at 50	25 00
Cabbages, . . . . .	900 heads, at 05	45 00
Rhubarb, . . . . .	2,000 pounds, at 02½	50 00
Hay, . . . . .	60 tons, at 20 00	1,200 00
Rowen, . . . . .	30 " at 15 00	450 00
Corn Fodder, . . . . .	10 " at 4 00	40 00
Lucern, . . . . .	2 " at 10 00	20 00
Milk, . . . . .	45,000 quarts, at 04	1,800 00
Beef, . . . . .	7,030 pounds, at 08	562 40
Pork, . . . . .	9,050 " at 06	543 00
		\$6,985 90

As will be seen by the foregoing table, the products of the farm have been abundant, and have well repaid the labor devoted to their cultivation and growth. The fruit and vegetables which the farm supplies, could not at all times be procured in the market, nor could the hospital afford to purchase. The very generous supply of milk which the patients enjoy the year round, is another prominent advantage derived from the farm. But perhaps the greatest advantage our patients receive from the farm is the pleasant and healthy occupation it gives to a large number who cannot engage in any other occupation. Considerable progress has been made during the year in laying out the grounds and the transplanting of trees. More than twenty-three hundred trees and shrubs have been transplanted during the year; under-drains have been laid; gravel walks have been made; flower gardens

have been laid out for the female patients; the yards in the rear of the building have been levelled and covered with turf, and the drive-ways have been paved or gravelled. All these small things, which may not seem to be required, are necessary in promoting the general objects of the hospital; and we can only regret that we have not been able to devote more time and money to so desirable an end.

The supply of water has been a subject of great anxiety and inconvenience for some years. The two-inch iron pipes which convey the water from Paine's spring, at the Hermitage, so-called, were laid down seventeen or eighteen years since, and have become so filled up with oxide of iron and other matter, that they have not for several years given us an abundant supply. They have required constant repairs, and various attempts have been made to clean them, and to keep them clean, at an expense of from two to four hundred dollars a year. Still, the supply had steadily failed until the last summer, when you directed me, by your vote, to rebuild the dam, which was also much out of repair, and make arrangements to put down new pipes. The accompanying report of Mr. Ball, the engineer employed by me to make the necessary surveys and estimates of cost, shows that a suitable and permanent dam will cost about one thousand dollars. And the laying down of five thousand nine hundred feet (the distance from the spring to the hospital) of four-inch hydraulic cement pipe, with such gates and other fixtures as are necessary, will cost nearly four thousand dollars. The work on the dam was commenced about the middle of September, and will be completed in the month of October. It is highly desirable to lay down the pipes early next summer.

Among other needs, it may be proper to state, that owing to the high prices which almost every thing commands, we have not been able to lay down our bowling alleys, or fit up our gymnasiums, rooms for which have been in readiness nearly two years. We also need sun shades in our yards, with cosy seats and benches, for the comfort and convenience of our patients. Every dollar thus invested is sure to yield large returns in future years, in promoting the comfort, health, and general welfare of the inmates of the institution.

We ought to have an ice-house, which can be cheaply constructed by our own laborers. The old ice-house is of insuffi-

cient capacity, does not preserve the ice, and is needed for other purposes. We want also, for our evening entertainments, a stereopticon, with a sufficient number of slides and permanent fixtures. And we hope to be able to purchase one in a few weeks, for use the coming winter. It is hardly possible for us to realize these needed improvements and additions, without aid from other sources than the ordinary income. In the coming year, as in the past, the hospital will do well to meet its legitimate expenses with its yearly earnings.

For several years, this hospital has made no expression of any want, and it has paid from its own earnings, for permanent improvements, repairs, and buildings, large sums of money, which has greatly increased the value of the property of the Commonwealth. Since the connection of the undersigned with the institution in his present capacity, it has paid for

Apparatus for warming, ventilating, and draining, . . .	\$28,000 00
For barn and sheds, and large cistern in rear, for safety from fire, . . . . .	3,410 01
Dividing Johonnot wards, and fitting up water-closets and bath-rooms for same, . . . . .	500 00
For six attendants' rooms in Johonnot wards, . . . . .	600 00
Water-closets and bath-rooms in centre, . . . . .	300 00
Four flights of stairs, . . . . .	250 00
Conveying water from Rattlesnake Hill to stables, . . . . .	975 00
Dead walls dividing attics and fencing courts, . . . . .	300 00
Billiard and reading rooms and dormitories in place of old cells, . . . . .	1,200 00
For new centre wing, and alterations in old centre, . . . . .	23,029 48
Fixtures for new kitchen and laundry, . . . . .	1,600 00
Rebuilding four rooms in place of old cells, . . . . .	600 00
For purchase of land, . . . . .	1,425 00
Four porticoes over outside doors, . . . . .	400 00
Opening and fencing drive-way in front, and replacing stone steps, . . . . .	650 00
Ladder house, . . . . .	100 00
	<hr/>
	\$63,339 49

Besides these permanent alterations and improvements, the whole establishment has been kept in ordinary repair. Worn-out fixtures have been replaced, small embellishments of the

house and grounds have yearly been made, parts of the house have been refurnished, and every thing necessary for the comfort of the patients has received proper attention.

The plan of treatment pursued during the year has not differed materially from that followed in previous years. The use of the warm bath, an occasional purgative and sedative, have been of service in producing quiet and repose in the early stages of acute mania, and in the paroxysms of periodical mania; while cold sponge baths, tonics, stimulants, and above all good diet, and active out-of-door exercise, have been found to give great relief to patients suffering from chronic mania. Cod liver oil and stimulants have, in some cases, raised the standard of health in demented patients of feeble constitutions, where there was sluggishness of circulation, coldness of the extremities, and lividity of the surface. Constant attention has been given to the diet, clothing, and exercise of the patients, and a close investigation of the habits of each case, which has been productive of good results in the course of both mental and bodily disease.

The same effort has been made during the year past as before, to amuse, instruct, and entertain our patients in an intellectual manner, by lectures and concerts, and by social parties, at frequent intervals. During the winter season, we had a series of about twenty lectures, several concerts of sacred music, and weekly parties for social entertainment, at which both sexes mingled freely with their attendants in games and in conversation, until nine o'clock in the evening, when they retired to their several wards. The amount of discipline and self-control which these various reunions exercise on our patients, is productive of the best results, and they have in some degree dispelled the gloom and cheered the hearts of many a miserable sufferer; and not a few under the influence of deep melancholy, who can take no active part in the scenes, look with pleasure and delight on the games and plays which their minds are too dull to fully appreciate. One hundred and fifty newspapers are received by the patients every week. The wards and reading-rooms are well supplied with maps, and the patients' libraries contain more than one thousand volumes of recently published books. There are hanging on the walls of the several wards nearly six hundred pictures, many of which



are oil paintings, engravings, water colors, and photographs, of considerable value. On Sundays, they continue to listen to a sermon from Rev. Samuel Souther, who discharges his duty with singular discretion and faithfulness; and on every evening, at eight and a half o'clock, they assemble in the chapel for devotional exercises conducted by the undersigned.

I am under great obligations to Doctors Rice and Prentiss for the manner in which they perform their duties, and for their thorough devotion to the best interests of those committed to our care. My assistants have generally performed their duties in a manner highly acceptable to the patients, and entirely satisfactory to myself.

We are under renewed obligations to the many kind friends in the city and in the neighborhood, who have so generously assisted us in our lectures, concerts, and social entertainments, which have contributed so largely to the comfort and happiness of our patients.

It is with great satisfaction that I acknowledge a legacy of one thousand dollars—ten shares of bank stock, bequeathed to the hospital by Miss Abigail Wheeler, late of Barre. And it must be gratifying to all the surviving friends of Miss Wheeler, and to every true friend of the hospital, that you have, by your vote, given such a charitable direction to the income of this legacy.

Her name is placed on the Benefactors' Tablet in the Chapel, and will be held in grateful remembrance.

To the publishers and proprietors of newspapers and periodicals throughout the Commonwealth, who have sent to us their daily, weekly, and monthly issues, we are greatly indebted.

For the personal kindness, the cordial support and counsel I have at all times enjoyed from each individual member of the Board of Trustees, in the discharge of my duties, permit me to renew the expression of my deep sense of obligation.

We now commence the labors of another year with an humble trust and confidence that He who watches over all will regard this institution, and all its interests, with his special favor.

MERRICK BEMIS.

WORCESTER LUNATIC HOSPITAL, WORCESTER, Mass., }  
October 1, 1863. }

## AN INVENTORY

*Of amounts in value of the Stock and Supplies on hand.*

Live stock on the farm, . . . . .	\$3,750 00
Produce of the farm on hand, . . . . .	3,500 00
Carriages and agricultural implements, . . . . .	850 00
Machinery and mechanical fixtures, . . . . .	5,500 00
Beds and bedding in the inmates' department, . . . . .	4,500 00
Other furniture in inmates' department, . . . . .	3,500 00
Superintendent's department, . . . . .	350 00
Housekeeping department, . . . . .	1,200 00
Ready-made clothing, . . . . .	250 00
Dry goods, . . . . .	150 00
Provisions and groceries, . . . . .	500 00
Drugs and medicines, . . . . .	100 00
Fuel, . . . . .	6,000 00
Library, . . . . .	500 00
Pictures, . . . . .	1,250 00
Billiards and bagatelle tables, . . . . .	500 00
Pianos, . . . . .	300 00
	<hr/>
	\$32,700 00

A



MAP  
OF THE  
**GREEN BROOK**  
WATER SHED.

SCALE ONE INCH=48 RODS.

PRENTISS.

P.BALL. C.E.

1979

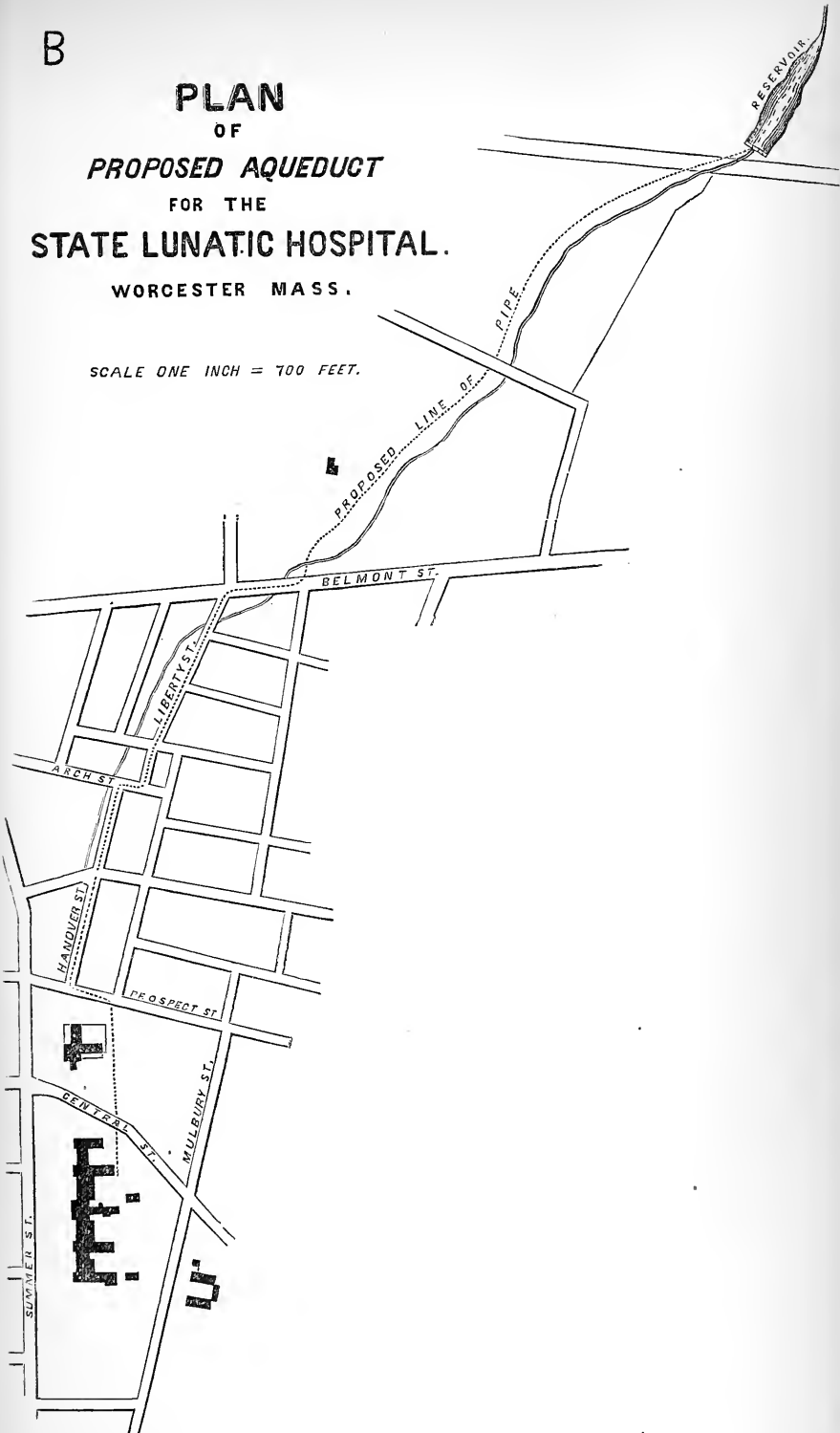
1987

1987

B

**PLAN**  
OF  
**PROPOSED AQUEDUCT**  
FOR THE  
**STATE LUNATIC HOSPITAL.**  
WORCESTER MASS.

SCALE ONE INCH = 700 FEET.

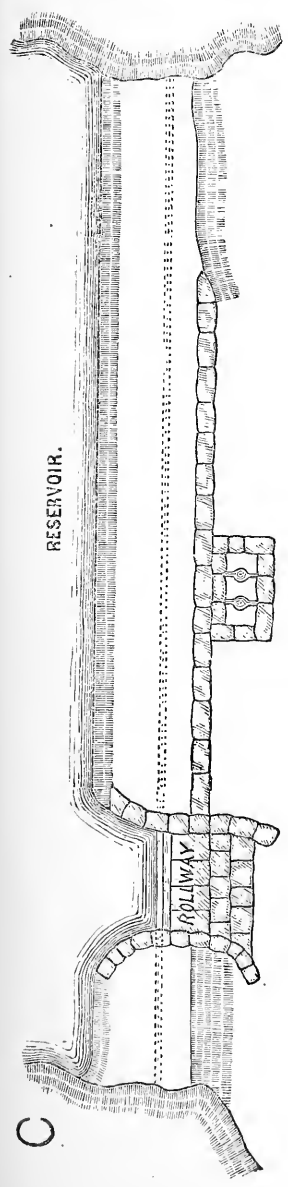




**PLAN  
OF  
RESERVOIR DAM  
FOR  
STATE LUNATIC  
HOSPITAL.**

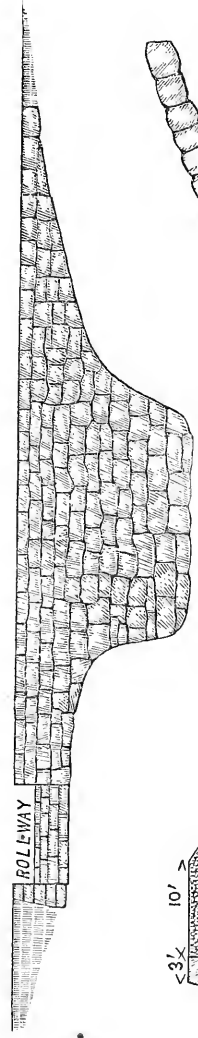
**WORCESTER MASS**

**P. BALL C. E. — A. PRENTISS S. E.**

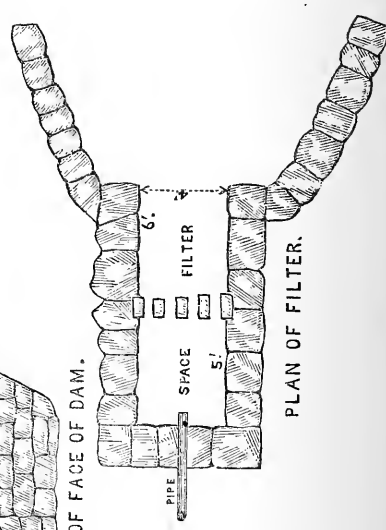


**RESERVOIR.**

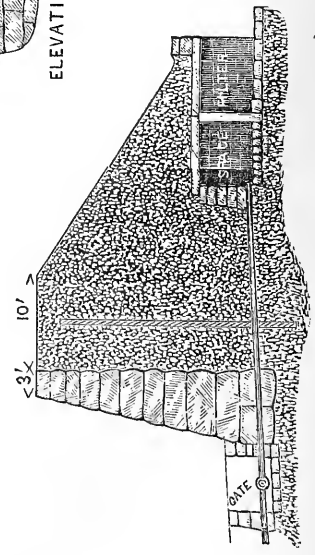
**GROUND PLAN OF DAM.**



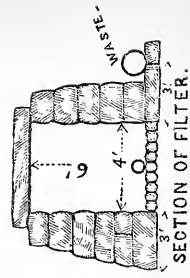
**ELEVATION OF FACE OF DAM.**



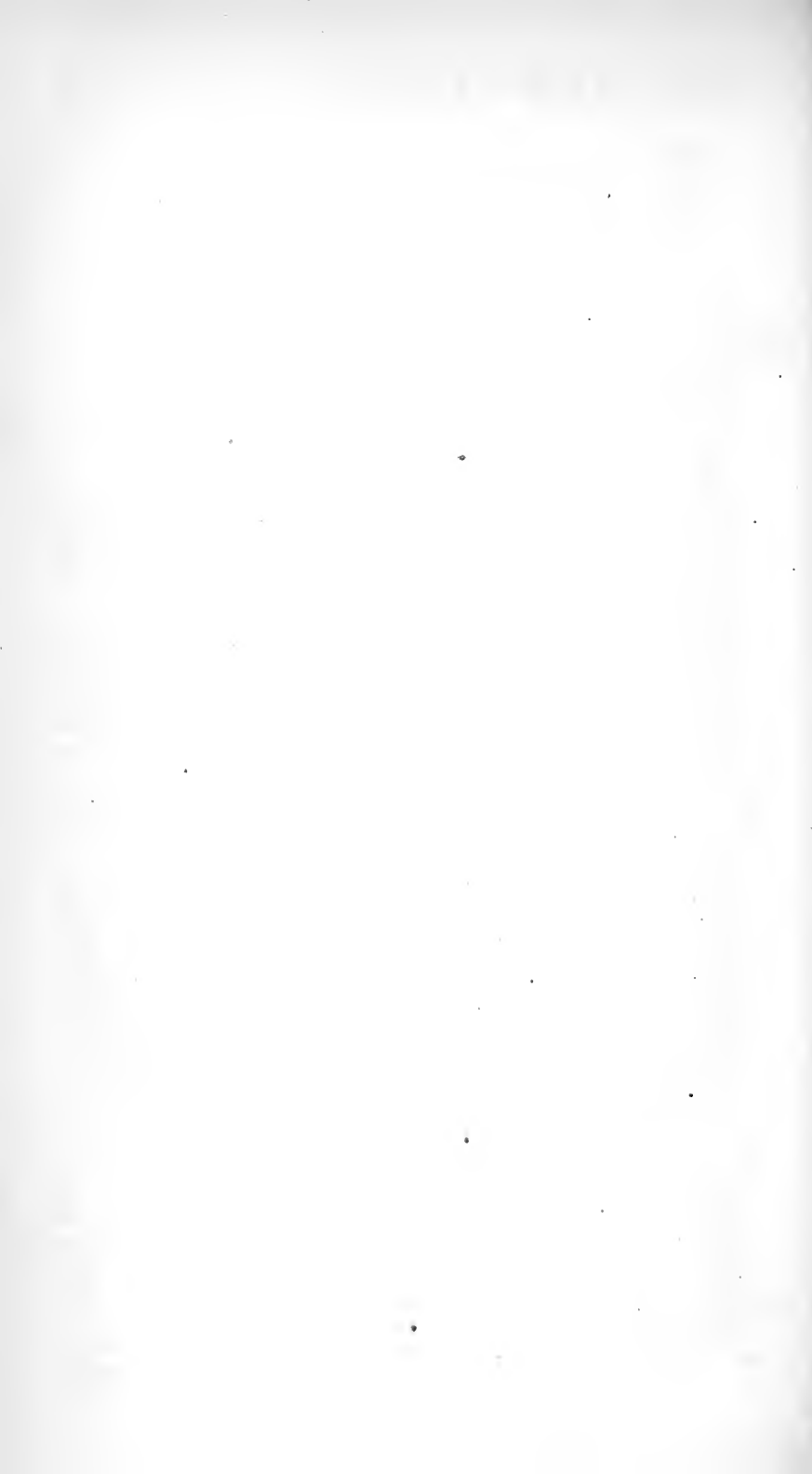
**PLAN OF FILTER.**



**SECTION OF DAM.**



**SECTION OF FILTER.**





## ENGINEER'S REPORT.

MERRICK BEMIS, M. D., *Superintendent State Lunatic Hospital, Worcester :*

Dear Sir,—Having been requested by yourself to make some surveys and estimates, to ascertain the feasibility of permanently supplying your institution with water from the source from which water is now conveyed thereto; and having made such surveys and estimates, I present the following Report :

The plans herewith presented, marked A, B, and C, represent, first : A, the basin of the Green Brook, so called, above your present reservoir. Second : B, plan of the route over which the pipe will have to be laid in passing from the reservoir to your institution. Third : plan C, represents the dam and fixtures that is proposed to be erected at the reservoir.

The first question to be answered is, what amount of water will be required to supply the largest want of the institution. Taking thirty-five gallons per day for each patient and attendant, as the necessary amount as stated by yourself, and the largest number of persons in the institution as five hundred, this would require seventeen thousand five hundred gallons per day, or six million three hundred and eighty-seven thousand five hundred gallons per year of three hundred and sixty-five days.

Now can the resources of the present source of supply, namely, the Green Brook as drawn from on the land of Mr. Fred. W. Paine, be so improved and controlled as to be enabled to furnish this amount constantly ?

The amount of water shed of this brook which drains through the point of the present dam on the brook, is found by measurement to be two hundred acres. The practice of supplying artificially, by means of aqueducts, cities and towns, with water, has led to very extensive experiments and investigations to ascertain the amount of water which certain definite areas may be relied upon to yield annually. These investigations have proved beyond a doubt that the amount of water furnished by any certain area, is directly proportional to the amount of rain annually falling upon such area, influenced by all the varying circumstances of soil and evenness, or unevenness of surface.

Observers who have given the most careful attention to this subject, and made the most accurate measurements, have shown that certain areas yield from forty to seventy-five per cent. of water falling upon their surface annually, which amount is drained therefrom by the rivulets, brooks, and rivers leading thereto. An area covered by extensive level sandy plains, yielding the least amount, and an uneven clayey soil the most. The water shed of the Green Brook consists of a single basin, of small extent, surrounded by steep hills. Those on the west and north being composed of a stiff, impervious, clayey subsoil, and those on the east form the ledges of Millstone Hill, so-called.

Considering the nature and character of this water shed, fifty per cent. of the annual amount of rain falling upon its area, is considered a low estimate of

the amount of water which will pass out of this valley annually, past the point where your present dam is situated. The average amount of rain falling in this vicinity as registered at your institution for the last twenty years, has been 46.92 inches, fifty per cent. of which is 23.46 inches. This gives the annual amount of water which is drained from this area by the Green Brook, as 121,859,000 gallons or 333,800 gallons per day through the year; an amount sufficient to supply nineteen such institutions as yours with 17,500 gallons per day.

In addition to the above estimate, recourse has been had to the measurement of the present quantity of water flowing in the brook, by such means as have been at command in the limited time given to the surveys.

On April 23d, the water flowing was measured, and found to be 345,000 gallons per day of twenty-four hours; an amount slightly over the average annual flow.

On April 25th, at 1 o'clock, P. M., after the storm which commenced about 2 o'clock, P. M., April 24th, had raised the stream very considerably, a measurement was again made of the water flowing in the same, and found to be at the rate of 1,648,000 gallons per twenty-four hours. As most of this amount of water is drained off during the wet months of the year, the next question to be considered is that of storage in the wet months for use in the dry months, when little or no water flows in the brook.

Your present reservoir on the land of Mr. Paine, is adjudged to contain about 375,000 gallons. This can be raised six feet, which is substantially the height of the first dam built on the brook by the hospital, and then will flow water on to the land of Mr. Green, a distance of thirty feet. When this is raised, the reservoir will store 1,500,000 gallons. The area of the reservoir when raised six feet above its present level, is 34,500 square feet, and could it be raised eight feet instead of six, the reservoir would then hold 2,150,000 gallons. The first amount is sufficient to supply the institution for eighty-four days, and the last, one hundred and twenty days, or the additional two feet will supply the institution for thirty-four days. There is no objection to raising the dam eight feet above its present level, more than six feet, save a slight increased expense in land damage on the farm of Mr. Green.

Could the Green Meadow, as it is called, be used as a reservoir? Then your supply might be considered inexhaustible. This meadow lies only some eighty rods above your reservoir, and when flowed by a dam twelve feet in height, as has been contemplated, by Andrew H. Green, Esq., the proprietor of the pond, will contain about thirty-six acres. The average depth of the water upon this surface is adjudged to be seven feet. This would make the quantity of water in the reservoir when filled, eighty-two millions of gallons, an amount of water sufficient to supply your institution with seventeen thousand five hundred gallons per day for between twelve and thirteen years. Therefore, so far as your institution is interested, the supply of water for it from this source, appears to be inexhaustible. The present dam at the reservoir needs to be entirely rebuilt in a more permanent and thorough manner. The location is good, and need not be changed. The expense of rebuilding the same is estimated as follows:—

320 perch retaining wall, at \$1.30 per perch, . . . . .	\$416 00
Spiling, . . . . .	70 00
500 yards filling, at 23 cents per yard, . . . . .	115 00
Waste way, . . . . .	35 00
Filter, . . . . .	55 00
Cement work extra, to protect pipes, . . . . .	10 00
Gate box, . . . . .	43 00
Waste gate and pipe, . . . . .	191 00
Clearing basin, . . . . .	75 00
	\$1,010 00

From an examination of the routes over which the pipe can be laid from the reservoir, the following at present is deemed best, to wit: commencing at the dam and following substantially the present location of the pipe, avoiding the brook, and keeping on slightly higher ground until you reach Belmont Street; thence by Belmont, Liberty, Arch, Hanover and Prospect Streets to the county lands, and thence crossing these and Central Street to your own grounds at a point near which your present pipe lies. Or if it be deemed objectionable to cross the county lands, the pipe may be laid from Hanover Street through Laurel, Summer and Central Streets to the point on your own premises above indicated. The distance from the reservoir to the centre wing of the hospital by the first route named, is about five thousand nine hundred feet, and if the streets be entirely followed, thus avoiding the county land, the distance will be increased about four hundred feet. The head from the outlet pipe at the reservoir to the top of the cisterns in the centre buildings will be about forty-eight feet. The Patent Water Pipe, made by the New Jersey Water and Gas Pipe Company, is recommended as best suited to your purpose. This pipe is made of sheet iron, riveted together, of such thickness as will be sufficient to sustain the given pressure, coated inside and out with a layer of best hydraulic cement. This coating preserves the iron from corrosion, and hence prevents vitiation of the water by the presence of any of the usual salts or oxide of iron, so common with cast-iron pipe.

*Estimate of the Cost of the Pipe.*

5,900 feet 4-inch pipe, at 51 cents per foot, . . . . .	\$3,009 00
Trenching and filling, 13 cents, . . . . .	767 00
6-inch gate at reservoir, . . . . .	48 00
Extra 6-inch pipe, . . . . .	35 00
	\$3,859 00
Amount, . . . . .	1,010 00
Add cost of dam, . . . . .	
	\$4,869 00

Yours, very truly,

PHINEAS BALL,  
*Civil Engineer.*

WORCESTER, April 27, 1863.



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# METEOROLOGICAL OBSERVATIONS

MADE AT

THE STATE LUNATIC HOSPITAL, WORCESTER, MASS.,

1862-3.

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

*Elevation, 528 feet.*

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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, 1862.

Days of the month	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.
	Cor. and Red. to 32°.			10—covered.			Direction and Force.			Hour			Inches			
	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 Began.	Hour Ended.	Hour Rain & Melted Snow.	Inches Rain & Melted Snow.	Inches Snow.		
1	49	48	49	29.730	29.733	29.728	10	10	10	N. E.	N. E.	N. E.	—	—	Very fine rain, quite variable and interrupted.  Frost A. M. Hazy. Light shower early A. M.  Interrupted rain. Light showers P. M.  Misty rain.  Hazy A. M.  Light interrupted rain.  Heavy fog A. M.  Gusty. Light showers A. M.; [aurora.  Hazy. Continued rain.  Hazy A. M.  Hazy.	
2	51	56	56	29.698	29.623	29.597	10	10	10	N. E.	N. E.	N. E.	—	—		
3	57	70½	66	29.587	29.554	29.551	9	7	10	N. E.	S. W.	S. W.	—	—		
4	66½	77½	70	29.474	29.318	29.168	8	8	8	S. W.	S. W.	S. W.	—	—		
5	64	61	49	29.397	29.480	29.635	0	0	0	S. W.	S. W.	S. W.	—	—		
6	59	62	54	29.688	29.592	29.485	1	2	10	S. W.	S. W.	S. W.	—	—		
7	60	—	67	29.332	—	29.354	9	—	—	S. W.	S. W.	S. W.	—	—		
8	64	85	70	29.379	29.311	29.330	1	1	5	S. W.	S. W.	S. W.	—	—		
9	65	83	70	29.358	29.347	29.473	0	0	1	S. W.	S. W.	S. W.	—	—		
10	62	63	53	29.592	29.534	29.340	6	9	10	N. E.	N. E.	N. E.	—	—		
11	53	58	47	29.210	29.277	29.450	10	9	3	N. E.	N. E.	N. E.	—	—		
12	42½	50	46	29.594	29.583	29.601	9	10	10	N. E.	N. E.	N. E.	—	—		
13	46½	49	48	29.516	29.391	29.331	10	10	10	N. E.	N. E.	N. E.	—	—		
14	49	61	56	29.391	29.335	29.385	10	8	1	N.	S. W.	S. W.	—	—		
15	47	59	—	29.433	29.482	—	0	9	4	N.	N. E.	N. E.	—	—		
16	42	—	48	29.536	—	29.468	10	9	10	N.	N. E.	N. E.	—	—		
17	43½	56	38	29.413	29.395	29.452	10	9	0	S. E.	S. E.	N. E.	—	—		
18	45	59½	47	29.684	29.678	29.668	0	1	0	S. E.	S. E.	N. E.	—	—		
19	43	62	52	29.530	29.280	29.198	2	4	10	S. E.	S. W.	S. W.	—	—		
20	43	51	39	29.243	29.363	29.506	2	2	1	N. W.	S. W.	S. W.	—	—		
21	30½	55	33	29.527	29.298	29.145	5	10	10	N. W.	S. W.	S. W.	—	—		
22	51	52	45	28.864	28.816	28.852	9	5	1	S. W.	N. W.	N. W.	—	—		
23	48	46	37	29.349	29.484	29.706	1	3	0	N. W.	N. W.	N. W.	—	—		
24	28	51	38	29.869	29.660	29.656	1	7	2	N. W.	N. W.	N. W.	—	—		
25	52½	61	45	29.554	29.552	29.686	4	5	9	S. W.	N. W.	N. W.	—	—		
26	41	44	39	29.711	29.591	29.421	10	10	10	N. E.	N. E.	N. E.	—	—		
27	46	52	40	28.915	28.754	29.087	10	10	10	N. E.	N. E.	N. E.	—	—		
28	31½	51½	41	29.531	29.581	29.635	0	0	3	N. W.	S. W.	S. W.	—	—		
29	40	51	43	29.607	29.481	29.464	9	9	0	S.	S. W.	S. W.	—	—		
30	42	55	47	29.554	29.551	29.513	1	1	0	N. W.	N. W.	N. W.	—	—		
31	49	67	56	29.447	29.394	29.385	1	3	1	S. W.	S. W.	S. W.	—	—		
Means,	48	58	51	29.476	29.428	29.444	5.4	6.	4.9	Amount,			3.22	—		

METEOROLOGICAL OBSERVATIONS—NOVEMBER, 1862.

Moon's Phases.	Days of the month.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.	
		Cor. and Red. to 32°.			Direction and Force.			Direction and Force.			Hour			Inches				
		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.	7 A. M.	2 P. M.	9 P. M.	Began.	Ended.		Melted Snow.
	1	54	70	-	29.438	29.401	-	1	0	2	S. W.	S. W. <sup>2</sup>	S. W.	-	-	-	-	Hazy.
	2	48	66	57	29.409	29.280	29.173	10	1	10	N. E.	S. W.	S. W.	-	-	-	-	Gusty A. M.
	3	58	52	43½	28.933	29.022	29.221	2	0	0	S. W. <sup>4</sup>	N. W. <sup>3</sup>	S. W. <sup>2</sup>	-	-	-	-	Misty A. M.; gusty.
	4	33½	48	36½	29.615	29.705	29.787	0	2	2	S. E.	N. E.	S. E.	-	-	-	-	
	5	38	55	39	29.667	29.418	-	10	7	-	S. E.	S. W. <sup>4</sup>	S. W. <sup>4</sup>	-	-	-	-	
	6	49	42	34½	29.146	29.160	29.304	10	9	10	N. W.	N. W. <sup>3</sup>	N. W. <sup>2</sup>	12¼ a. m.	9.30 a. m.	.41	-	
	7	32	95	25	29.382	29.210	29.201	10	10	10	N. E.	N. E. <sup>3</sup>	N. E. <sup>4</sup>	9 a. m.	10 a. m.	.92	3.	Snow, turning to rain. Mist, ending in rain.
	8	30½	36	34	29.368	29.467	29.460	10	10	10	N. E. <sup>2</sup>	N. E.	N. E.	9 p. m.	5 p. m.	.83	-	Rain and snow together.
	9	38	38	35	29.132	28.948	29.102	10	5	0	N. E.	N. W. <sup>2</sup>	N. W.	-	-	-	-	
	10	35	43	35	29.390	29.467	29.570	1	1	0	N. W.	N. W. <sup>2</sup>	N. W.	-	-	-	-	
	11	27½	46½	44	29.713	29.657	29.586	1	3	2	N. W.	S. W.	S. W.	-	-	-	-	Hazy A. M.
	12	49½	55	49	29.461	29.482	29.618	9	9	10	S. W.	N. W.	S. W.	-	-	-	-	Light rain 9 P. M., ending in mist A. M.
	13	33	51½	41	29.481	29.531	29.701	10	1	1	N. W.	N. W.	N. W.	-	-	-	-	
	14	33	43	43	29.734	29.646	29.698	1	1	0	N. W.	S. W.	S. W.	-	-	-	-	
	15	38	39	28	29.904	30.038	30.193	1	1	1	N. W.	N. W. <sup>2</sup>	N. W.	-	-	-	-	
	16	21	32½	30	30.303	30.285	30.215	1	1	10	N. E.	N. E.	N. E.	-	-	-	-	
	17	33	48	43	29.917	29.708	29.651	10	4	4	N. E.	S.	S. W.	6.30 a. m.	4 p. m.	.50	-	Misty rain, augmenting.
	18	40	-	38	29.827	-	29.827	10	3	3	N. W.	-	N. W.	-	-	-	-	
	19	39	50	53½	29.647	29.373	29.235	10	10	10	S. E.	S. W.	S. W.	8 a. m.	-	-	-	Drizzle interrupted
	20	60	63	60	29.049	29.018	29.058	10	10	10	S.	S. W.	S. W.	-	-	-	-	and shower,
	21	57	54	60	29.142	29.100	29.067	10	10	10	N. W.	N. E.	N. E.	-	-	-	-	with snow in evening,
	22	45	45	35	29.084	29.006	28.962	10	10	10	N. W.	N. W.	N. W.	-	p. m.	1.75	-	Snow squalls at noon.
	23	31	34	28	29.212	29.244	29.333	9	3	0	N. W.	N. W. <sup>3</sup>	N. W.	-	-	-	-	
	24	25	-	31	29.465	-	29.465	0	0	-	N. W.	S. W.	S. W.	p. m.	-	-	-	
	25	31½	46	41	29.475	29.424	29.396	7	7	10	S. W.	N. W.	S. W.	-	-	-	-	
	26	38½	38½	36	-	29.048	29.027	10	10	10	N.	N.	N.	-	p. m.	.80	-	
	27	33	41	34	29.188	29.111	29.175	1	4	9	N. W.	N. W. <sup>2</sup>	N. W.	-	-	-	-	
	28	32	47	37½	29.118	29.053	29.104	4	9	9	S. W.	S. W.	S. W.	-	-	-	-	
	29	33	44	37½	29.243	29.222	29.169	9	10	10	S. W.	S. W.	S. W.	7 p. m.	-	-	-	Light rain terminating in snow squalls; lunar halo.
	30	37	41	44	29.320	29.424	29.507	9	7	8	N. W.	N. W.	N. W.	-	a. m.	.14	-	
Means,	38	46	41	42	29.439	29.372	29.419	6.1	6.1	6.3	Amounts,			5.35			3.	



METEOROLOGICAL OBSERVATIONS—DECEMBER, 1862.

Moon's Phases.	Days of the month.	THERMOMETER.				BAROMETER.				CLOUDS.				WIND.				RAIN AND SNOW.				REMARKS.
		9 P. M.		9 P. M.		2 P. M.		9 P. M.		10—covered.		Direction and Force.		Hour Ended.		Inches Rain & Melted Snow.		Inches Snow.				
		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.	Mean.	7 A. M.	2 P. M.	9 P. M.	Mean.	Hour Began.	Hour Ended.	Amounts.		
	1	40	45	46	44	29.390	29.236	29.359	10	10	9	10	S. E.	N. W.	N. W.	4 a. m.	m.	.29	-	-	Snow squalls P. M. Light snow.	
	2	35	37	29	34	29.410	29.451	29.560	1	7	0	10	N. W.	N. W. <sup>2</sup>	N. W.	6.30 p.m.	p. m.	-	0.25	-		
	3	24	30	27	27	29.522	29.411	29.398	2	9	10	9	N. W.	N. W.	S. W.	-	-	-	-	-		
	4	18	31	24	28	29.501	29.455	29.470	2	3	1	10	N.	S. W.	S. W.	-	-	-	-	-		
	5	25	37	35	32	29.393	29.210	28.975	3	10	10	10	S. W.	S. W.	S. W.	5.15 p.m.	-	-	-	-		
	6	31½	24½	-	-	28.491	28.701	-	9	1	1	1	N. W. <sup>2</sup>	N. W. <sup>3</sup>	N. W. <sup>3</sup>	-	-	-	.78	11.		
	7	-	15½	12	16	-	29.087	29.240	0	1	1	4	N. W.	N. W.	N. W.	-	-	-	-	-		
	8	-	22	17	16	29.556	29.610	29.575	0	1	4	10	N. W.	N. W.	N. W.	-	-	-	-	-		
	9	-	-	-	33	29.521	29.500	29.513	10	10	4	10	N. W.	N. W.	N. W.	-	-	-	-	-		
	10	24	34	32½	33	29.458	29.387	29.424	1	0	0	0	S. E.	S. W.	S. W.	-	-	-	-	-		
	11	34	45	39	39	29.412	29.476	29.602	4	0	1	10	N. W.	N. W.	N. W.	-	-	-	-	-		
	12	37	50	36	41	29.412	29.476	29.602	4	0	1	10	N. W.	N. W.	N. W.	-	-	-	-	-		
	13	35	39	37	37	29.770	29.799	29.755	7	10	10	10	N. W.	N. W.	N. W.	8.30 p.m.	-	-	-	-	Very light rain; dense fog.	
	14	34	40	38½	37	29.610	29.525	29.504	10	10	10	10	N. E.	N. E.	N. E.	-	-	-	-	-		
	15	44	59½	40	48	29.369	29.255	29.177	9	7	3	3	N. W.	S. W.	S. W.	-	-	-	-	-		
	16	58	42	-	-	28.760	29.759	-	10	8	1	8	S. W. <sup>4</sup>	S. W. <sup>4</sup>	S. W. <sup>4</sup>	a. m.	m.	.18	-	-	Variable rain.	
	17	-	24	24	-	-	29.735	29.735	-	1	1	1	N. W.	N. W.	N. W.	-	-	-	-	-		
	18	14	23	19	19	29.950	29.918	29.821	0	0	1	1	N. W.	N. W.	N. W.	-	-	-	-	-		
	19	27	35	22	28	29.491	29.335	29.530	4	9	1	10	N. E.	N. W. <sup>2</sup>	N. W. <sup>3</sup>	-	-	-	-	-		
	20	3	-	1	-	29.766	-	29.964	0	0	0	0	N. W. <sup>2</sup>	N. W. <sup>2</sup>	N. W. <sup>2</sup>	-	-	-	-	-		
	21	1½	15	10	9	30.012	29.944	29.871	0	5	1	10	N. W.	N. W.	N. W.	-	-	-	-	-		
	22	15	25	23½	22	29.710	29.557	29.509	10	10	10	10	N. W.	N. W.	S. W.	a. m.	9 a. m.	-	0.50	-		
	23	33	39	26½	26	29.403	29.485	-	10	9	9	7	N. W.	N. W.	N. W.	-	-	-	-	-	[squalls.	
	24	19	33	26½	26	29.736	29.781	29.751	1	4	7	10	N. W.	N. E.	N. E.	-	-	-	-	-	Light interrupted rain.	
	25	32	41	42½	38	29.276	29.467	29.332	10	10	10	10	S.	S.	S. W.	p. m.	-	-	-	-	Drizzle.	
	26	42	43	43	41	29.276	-	29.126	10	10	10	10	S. W.	S. W.	S. W.	-	-	-	-	-		
	27	45	53½	41	46	29.035	29.034	29.164	10	7	8	10	S. W.	N. W.	N. W.	-	-	-	.25	-		
	28	36	39	35	37	29.247	29.214	29.297	8	10	0	10	N. W.	N. W.	N. W.	-	-	-	-	-		
	29	30½	48	42	40	29.285	29.192	29.296	1	1	9	9	N. W.	N. W.	N. W.	-	-	-	-	-	Lunar halo evening.	
	30	34½	42	36	37	29.377	29.345	29.389	8	10	10	10	S. W.	N. W.	N. W.	8.45 p.m.	6 30 p.m.	-	-	-		
	31	27	21½	24	24	29.415	29.467	29.583	10	10	9	10	N. E.	N. E. <sup>2</sup>	N. E.	-	-	1.	9.	-		
Means,		29	36	30	32	29.431	29.467	29.483	6.0	6.3	5.2					Amounts,	2.50	20.75				



METEOROLOGICAL OBSERVATIONS—JANUARY, 1863.

Moons 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.		7 A. M.		9 P. M.		7 A. M.		9 P. M.		7 A. M.		9 P. M.			Hour Began.	Hour Ended.	Inches Rain & Melted Snow.	Inches Snow.
		2 P. M.	9 P. M.	9 P. M.	Mean.	7 A. M.	9 P. M.	9 P. M.	Mean.	7 A. M.	9 P. M.	9 P. M.	Mean.	7 A. M.	9 P. M.	9 P. M.	Mean.	7 A. M.	9 P. M.	9 P. M.	Mean.					
	1	22½	35½	26	28	29.681	29.668	29.658	0	0	N. E.	N. E.	N. E.	N. E.												
	2	18	—	27	—	29.634	—	29.623	1	3	N. E.	N. E.	N. E.	N. E.												
	3	24	50	29	34	29.577	29.522	29.512	1	3	N. E.	N. E.	N. E.	N. E.												
	4	25	45	38	36	29.388	29.233	29.125	1	6	E.	S. W.	S. W.	S. W.												
	5	39	47	40	42	29.215	29.219	29.261	2	0	S. W.	S. W.	S. W.	S. W.												
	6	37	45	—	—	29.140	28.902	—	10	10	S. W.	S. W.	S. W.	S. W.												
	7	32	25	15	24	28.953	29.188	29.537	3	2	N. W.	N. W. <sup>3</sup>	N. W.	N. W.												
	8	10½	20	21	17	29.761	29.813	29.879	0	9	N. W.	N. W.	N. W.	N. W.												
	9	17	25½	24	22	29.959	29.949	29.506	9	6	N. E.	E.	E.	E.												
	10	22	32	—	—	29.809	29.618	—	1	10	S. E.	S. E.	S. E.	S. E.												
	11	38	41½	35½	38	29.040	29.007	29.110	10	1	S. W.	W.	W.	W.												
	12	31	33½	30	31	29.390	29.538	29.573	1	4	N. W.	N. W.	N. W.	N. W.												
	13	24	34½	31	30	29.743	29.825	29.880	1	1	N. W.	N. W.	N. W.	N. W.												
	14	30	35½	36½	34	29.703	29.395	29.212	10	10	S. E.	S. E.	S. E.	S. E.												
	15	49	44	42	45	29.082	29.042	29.025	10	10	S. W.	N. W.	N. W.	N. W.												
	16	57	54½	36	49	28.772	28.650	28.794	10	10	S. <sup>2</sup>	S. W.	S. W.	S. W.												
	17	16	23	15	18	29.461	29.667	29.929	0	0	W. <sup>4</sup>	N. W.	N. W.	N. W.												
	18	8½	20½	15	15	30.146	30.160	30.215	0	1	N. E.	N. E.	N. E.	N. E.												
	19	12	29	24	22	30.195	31.029	30.006	1	1	N. E.	S. W.	S. W.	S. W.												
	20	22	32	30	28	29.877	29.878	29.869	6	9	N. W.	S. W.	S. W.	S. W.												
	21	29	28	—	—	29.835	29.750	—	10	10	N. E.	N. E.	N. E.	N. E.												
	22	27	34½	34	32	29.723	29.653	29.600	10	10	N. W.	N. W.	N. W.	N. W.												
	23	39	—	38	—	29.415	—	29.593	7	8	N. W.	E.	E.	E.												
	24	31	37	33	34	29.830	29.872	29.902	10	10	N. W.	N. W.	N. W.	N. W.												
	25	35	43	36½	38	29.765	29.634	29.571	10	10	S. E.	N.	N.	N.												
	26	—	—	—	—	—	—	—	—	—	—	—	—	—												
	27	33	—	—	—	29.332	29.335	29.237	10	10	N. E.	N. E.	N. E.	N. E.												
	28	33	34	28	32	28.966	28.708	28.903	10	10	N. E.	N. E.	N. E.	N. E.												
	29	29	33	28	30	29.241	29.180	29.210	1	4	N. E.	N. E.	N. E.	N. E.												
	30	23	37	31½	30	29.338	29.319	29.388	1	1	S. W.	S. W.	S. W.	S. W.												
	31	30	36	32	33	29.516	29.474	29.505	5	5	S. W.	S. W.	S. W.	S. W.												
Means,	28	35	30	31	31	29.516	29.474	29.505	5.1	5.9	5.1	5.1	5.1	5.1	Amounts,	4.09	10.50									



METEOROLOGICAL OBSERVATIONS—FEBRUARY, 1863.

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.	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.	Hour Ended.	Inches Rain & Melted Snow.	Inches Snow.	
1	24	39½	38	34	29.548	29.448	29.240	0	8	8	W. W. <sup>2</sup>	S. W.	S. W.	—	—	—	—	—	
2	41	31	23	32	29.099	29.270	29.382	10	3	3	N. W. <sup>2</sup>	N. W. <sup>3</sup>	N. W.	—	—	—	—	—	
3	17½	14	9	13	29.458	29.408	29.420	1	10	0	N. W.	N. E.	N. W. <sup>2</sup>	—	—	—	—	—	
4	6	2	—	—	29.843	29.365	—	0	0	0	N.	N. <sup>2</sup>	N. E.	—	—	—	—	—	
5	4	9	15	7	30.366	30.269	30.096	6	10	10	S. E.	S. E.	S. W. <sup>2</sup>	—	—	1.57	2.	—	
6	38	46	39	41	29.495	29.060	29.062	10	10	10	S. W. <sup>2</sup>	N. W.	N. W.	—	—	—	—	—	
7	31	37½	32	33	29.488	29.678	29.738	0	1	0	S. W.	N. W.	N. W.	—	—	—	—	—	
8	31½	44	37	38	29.755	29.741	29.766	5	1	1	N. W.	S. W.	N. W.	—	—	—	—	—	
9	39	39	—	—	29.827	29.914	—	5	9	9	N. W.	S. W. <sup>4</sup>	—	—	—	—	—	—	
10	42	41	—	—	29.230	29.299	—	1	7	7	S. E.	N. W.	W.	—	—	—	—	—	
11	25	34	31	30	29.743	29.735	29.670	9	9	9	N. W.	N. W.	N. E.	—	—	.53	4.	—	
12	32	—	—	—	29.423	—	—	10	10	10	S. W.	N. E.	N. E.	—	—	—	—	—	
13	24	26	15	21	29.410	29.559	29.764	10	1	0	N.	N. W.	N. W.	—	—	—	—	—	
14	16	26	25	22	29.938	29.932	29.891	1	1	1	N. W.	N. W.	N. W.	—	—	—	—	—	
15	36	43½	41	40	29.568	29.362	29.374	10	10	1	S.	S. W. <sup>3</sup>	N. W.	—	—	—	—	—	
16	33	35	28	32	29.500	29.621	29.783	1	2	2	N. W.	N. W. <sup>3</sup>	N. W.	—	—	—	—	—	
17	21	—	—	—	29.851	—	—	2	—	—	N. W.	—	—	—	—	—	—	—	
18	18	37	31½	29	29.688	29.695	29.687	1	6	10	N. E.	E.	E.	—	—	—	—	—	
19	35	39	38	37	29.510	29.282	28.984	10	10	10	N. E.	N. E.	N. E. <sup>4</sup>	—	—	—	—	—	
20	42	47	36	42	28.684	28.686	28.977	10	0	0	S. W.	N. W. <sup>3</sup>	N. W. <sup>4</sup>	—	—	0.44	—	—	
21	19	22	25	22	29.405	29.588	29.799	0	0	0	N. W. <sup>3</sup>	N. W. <sup>4</sup>	N. W.	—	—	—	—	—	
22	9	17½	13	13	29.894	29.790	29.650	9	10	10	N. W.	N. E.	N. E. <sup>3</sup>	—	—	—	—	—	
23	14½	—	—	—	29.665	—	29.818	10	0	0	N.	—	N. W. <sup>2</sup>	—	—	.49	6.	—	
24	4	—	—	—	—	—	29.609	2	—	—	N.	—	S. W. <sup>2</sup>	—	—	—	—	—	
25	25	38	38	38	29.655	29.617	—	1	0	0	N. W.	N. W.	S. W.	—	—	—	—	—	
26	29	37½	39	38	29.631	29.500	29.327	10	10	10	S. W.	S. W.	S. W.	—	—	—	—	—	
27	39	52½	41	44	29.107	29.034	29.264	10	1	3	S. S.	E. <sup>2</sup>	N. W. <sup>4</sup>	—	—	.39	—	—	
28	31½	38	32	34	29.638	29.665	29.625	1	8	2	N. W.	N. W.	N. E.	—	—	—	—	—	
Means,	25	33	29	29	29.578	29.509	29.542	5.2	5.7	5.1	Amounts,			3.42	12.				



METEOROLOGICAL OBSERVATIONS—MARCH, 1863.

Moon's Phases.	THERMOMETER.				BAROMETER.				CLOUDS.				WIND.				RAIN AND SNOW.				REMARKS.
	Days of the month.		Mean.		Cor. and Red. to 32°.		10=covered.		Direction and Force.		Hour Began.		Hour Ended.		Inches Rain & Melted Snow.		Inches Snow.				
	7 A. M.	9 P. M.	9 P. M.	2 P. M.	2 P. M.	7 A. M.	9 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.	7 A. M.	2 P. M.	9 P. M.	
☺	32	36	34	29.370	28.963	28.863	10	10	N. E.	N. E.	N. E.	6.45 a.m.	8 p. m.	0.61	3.					Snow, rain and hail.	
	28½	41	34	29.285	29.325	29.367	2	1	N. W.	S.	W.	10¼ a. m.	6 p. m.	.24	2.50						
	31½	36	32	29.221	29.767	29.128	10	16	W.	N. E.	N. W. <sup>2</sup>										
	25	15	19	29.314	29.399	29.551	1	0	N. W.	N. W.	N. W.										
	18	11½	11	29.793	29.815	29.765	1	0	N. W.	N. W.	N. W.										
	26	35	32	29.445	29.220	29.289	9	10	S. W.	S. E.	N. E. <sup>2</sup>	8.30 a.m.	12 m.							Light snow. Interrupted	
	33½	30	30	29.467	29.415	29.347	8	10	N. W.	N. E.	N. E. <sup>2</sup>	11 a. m.	3.30 p.m.	1.11	12.					snow storm.	
	22	23	22	29.368	29.219	28.999	10	10	N. E.	N. E.	N. E.	2.30 a.m.	6.30 a.m.	.39	2					Snow.	
	40	29	30	29.098	29.173	29.403	10	2	N. E.	W.	W.										
	16	34½	-	29.601	29.568	-	3	7	W.	S. W.	S. W.										
	27	37	31	29.228	29.058	29.092	10	3	N. E.	N. E.	W.	a. m.	10 a. m.	.42	4.					Snow.	
	19	21	12	29.256	29.280	29.417	1	2	N. W.	N. W.	N. W.										
	1	4	-	29.518	-	29.493	2	0	N. W.	N. W.	N. W.										Foggy A. M.
	7	22½	18	29.387	29.192	29.167	6	1	S. W.	N. W. <sup>2</sup>	N. W.										Snow.
	3	19	16	29.456	29.507	29.475	1	1	N. W.	N. W.	N. W.	a. m.	p. m.		.50						Hazy A. M.
	10	29½	18	29.508	29.501	29.526	0	5	N. W.	N. E.	N. W.										
	16	16	34	29.552	29.445	29.338	1	9	N. W.	S. E.	S. W.										
	17	32	22	29.490	29.480	29.635	9	0	N. W.	N. W.	N. W.										
	18	33½	22	29.792	29.778	29.822	1	0	N. W.	N. W.	N. W.										
	19	13	25	29.998	29.932	30.019	0	0	N. W.	N. W.	N. W.										
	20	8	25	31.101	29.999	29.873	2	5	N. W.	N. W.	N. W.										
	21	12½	35	31.101	29.999	29.873	2	0	N. W.	N. W.	N. W.										
	22	34	46	29.608	29.484	29.454	10	0	N. W.	N. W.	N. W.	a. m.	8.15 a.m.	.34							Aurora 8.30, P. M.
	23	36	44	29.592	29.682	29.732	6	4	N. W.	N. E.	N. E.										
	24	41	34	29.768	29.692	29.692	9	7	N. W.	N. E.	S. E.	8.30 a.m.									
	25	37	47	29.410	29.476	29.079	10	10	N. E.	S. E.	S. E.										Light in interrupted rain. Variable; thun. shower.
	26	47	47	28.968	29.071	29.244	10	1	N. S.	N. W. <sup>2</sup>	N. W.				1.35						Misty A. M.
	27	36	41	29.367	29.494	29.497	9	9	N. W.	N. W. <sup>2</sup>	N. W.										
	28	35	34	29.553	29.477	29.097	0	10	N. W.	S. E.	S. E.	2.10 p.m.	a. m.								Hazy A. M.; snow & rain. Light snow A. M.
	29	35	33	28.985	23.992	29.285	10	2	N. W.	N. W. <sup>2</sup>	N. W. <sup>3</sup>				.62	2.					
	30	33	36	29.455	29.551	29.594	1	0	N. W.	N. W.	N. W.										
	31	35	33	29.470	29.140	28.853	8	10	N. W.	S. E.	N. E. <sup>2</sup>	12 m.	9.15 p.m.	.70	5.						Hazy A. M.; snow P. M.
Means,	24	34	27	29.459	29.431	29.389	5.5	6.1	3.5			Amounts,		5.78	31.						

METEOROLOGICAL OBSERVATIONS—APRIL, 1863.

Moon's Phases	Days of the month	THERMOMETER.				BAROMETER.				CLOUDS.			WIND.			RAIN AND SNOW.				REMARKS.
		9 P. M.		9 A. M.		2 P. M.		9 P. M.		10=covered.		Direction and Force.			Hour		Inches			
		7 A. M.	2 P. M.	9 P. M.	9 A. 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.	Hour Begun.	Hour Ended.	Rain & Melted Snow.	Inches Snow.		
	1	32	22	29.927	29.121	1	7	N. W.	N. W. <sup>2</sup>	S. W. <sup>2</sup>	1 p. m.	2.30 p. m.	-	-	-	-	-	Light rain.		
	2	29½	43	28.943	28.851	1	9	S. W.	-	N. W.	-	-	-	-	-	-	-	Robins appear.		
	3	32	30½	29.140	29.541	2	4	N. W.	N. W.	N. W. <sup>2</sup>	2 p. m.	4 p. m.	-	-	-	-	-	Light snow.		
	4	31½	32	29.638	29.428	2	10	N. E. <sup>2</sup>	N. E. <sup>2</sup>	N. E. <sup>3</sup>	a. m.	p. m.	.87	-	-	2.	-	Snow and rain.		
	5	33	35	29.249	29.142	10	10	N. E.	N. E.	N. E.	p. m.	-	-	-	-	-	-	Rain.		
	6	36	45	29.053	29.141	2	1	N. W.	N. W.	N. W.	-	-	-	-	-	-	-	Snow.		
	7	40	28	29.272	29.522	2	10	N. W.	N. E.	N. E. <sup>2</sup>	-	-	-	-	-	-	-	Snow.		
	8	23	35	29.531	29.469	7	9	N. W.	N. W. <sup>2</sup>	N. W. <sup>3</sup>	-	-	-	-	-	.40	-	Brilliant aurora.		
	9	29½	42	29.421	29.402	2	7	N. W.	S. W.	S. W.	-	-	-	-	-	-	-	Light rain at night.		
	10	40	60	29.643	29.536	1	2	W.	S. W.	S. W.	-	-	-	-	-	-	-	[appear.		
	11	48	69	29.448	29.335	10	2	S. W. <sup>2</sup>	S. W. <sup>2</sup>	S. W. <sup>2</sup>	-	-	-	-	-	-	-	Frogs peep; blue jays		
	12	45	68½	29.231	29.214	4	4	S. W.	S. W.	S. W.	-	-	-	-	-	-	-	Crocus and daph. mez. bl.		
	13	41	51	29.436	29.449	9	8	N. E.	N. W.	N. W.	-	-	-	-	-	-	-	White frost; smoky.		
	14	37	59	29.570	29.553	0	0	S. E.	N. W.	N. W.	-	-	-	-	-	-	-			
	15	42	60	29.654	29.627	9	6	N.	E.	S. E.	a. m.	-	-	-	-	-	-	Continued rain.		
	16	41	44½	29.598	29.473	10	10	N. E.	N. E.	N. E. <sup>2</sup>	-	-	-	-	-	-	-	Misty. [wild geese fly N.		
	17	45	57½	29.378	29.413	9	10	N. E.	N. E.	N. E.	-	-	-	-	-	2.70	-	Arbutus bl.; mist & sh's;		
	18	45	57½	29.486	29.440	10	10	N. E.	N. E.	N. E.	-	-	-	-	-	-	-	Light showers A. M.;		
	19	-	63	-	29.371	9	10	N. E.	N. E.	N. E.	-	-	-	-	-	-	-	[faint aurora.		
	20	-	42½	-	29.802	9	10	N. E.	N. E.	N. E.	-	-	-	-	-	-	-	Aurora.		
	21	38	57	29.876	29.812	8	3	N. E.	N. E.	S. E.	-	-	-	-	-	-	-	Smoky A. M. [bloss.		
	22	44	66	29.682	29.560	0	1	W.	N. E.	N. E.	-	-	-	-	-	-	-	Hazy A. M.; red maple		
	23	43	50	29.505	29.376	0	1	N.	S.	S. W.	-	-	-	-	-	-	-	Hazy A. M.; inter. rain;		
	24	46	50	29.251	29.056	6	10	S. W.	N. E.	N. E.	2 p. m.	-	-	-	-	-	-	Showery. [dandelion bl.		
	25	26	42	29.134	29.056	10	6	N. E.	N. W. <sup>3</sup>	N. W. <sup>4</sup>	-	-	-	-	-	1.31	-	[blossoms.		
	26	39	49	29.134	29.156	9	0	N. W. <sup>2</sup>	N. W. <sup>3</sup>	N. W.	-	-	-	-	-	-	-	Anemone and saxifrage		
	27	45	58	29.346	29.295	0	-	N. W.	N. W.	S. W.	-	-	-	-	-	-	-	Lunar halo.		
	28	54	59	29.303	29.216	1	5	S. W.	N. W.	S. W.	-	-	-	-	-	-	-			
	29	46	50	29.313	29.179	1	1	N. E.	N. E.	S. E.	-	-	-	-	-	-	-			
	30	-	53	-	29.247	7	1	-	-	S. E.	-	-	-	-	-	-	-			
Means,	39	53	45	29.419	29.353	5.8	6.1	-	-	-	Amounts,	5.28	-	-	-	5.	-			

METEOROLOGICAL OBSERVATIONS—MAY, 1863.

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 Rain & Melted Snow.		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	—	66	—	—	29.349	29.380	0	1	N. E.	N. E.	S. W.	—	—	—	—	Hazy; daffodil bloss.	
☾	2	—	75	60	—	29.251	29.304	3	2	N. E.	N. E.	S. W.	—	—	—	—	Cherry blossoms.	
☾	3	49	62	60	57	29.475	29.467	3	8	N. E.	S. E.	S. E.	—	—	—	—	Shower; bloodroot bloss.	
☾	4	—	—	—	—	—	29.395	29.421	—	10	—	N. E.	N. E.	—	—	—	Light inter'd rain; plum	
☾	5	—	51	45	—	29.446	29.471	10	10	N. E.	N. E.	N. E.	—	—	—	—	Light inter'd rain. [blos.	
☾	6	45	49½	42	45	29.386	—	10	10	N. E.	N. E.	N. E.	—	—	—	—	Aurora.	
☾	7	41	—	38½	47	29.304	29.309	10	10	N. E.	N. E.	N. E.	—	—	—	—	White frost; hazy.	
☾	8	40	—	46	56	29.361	29.327	4	4	N. E.	N. E.	S. W.	—	—	—	—	Hazy; pyrus japon.; shad	
☾	9	45½	68	54	66	29.380	29.381	29.423	2	0	N. W.	S. W.	S. W.	—	—	—	Thunder shower. [ree.	
☾	10	57	77	65	66	29.390	29.310	29.425	9	1	N. E.	N. E.	N. E.	—	—	—	Th. storm; b. violet; pear.	
☾	11	61	83	71	72	29.404	29.310	29.420	10	6	N. E.	N. E.	N. E.	—	—	—	Columbine; black alder;	
☾	12	58½	67½	50	59	29.511	29.421	29.490	10	10	N. E.	N. E.	N. E.	—	—	—	Continued rain. [misty.	
☾	13	50	—	54	49	29.440	—	29.417	10	10	N. E.	N. E.	N. E.	—	—	—	Showery.	
☾	14	51	51	45	49	29.378	29.318	29.228	10	—	N.	N. N. W.	N. W.	—	—	—	White frost; Missouri	
☾	15	43	61	49	—	29.155	—	29.365	10	—	N.	N. E.	N. E.	—	—	—	[currant.	
☾	16	—	61	57	—	29.440	29.424	—	8	—	S. E.	S. E.	S. E.	—	—	—	Horse-chestnut; lilac;	
☾	17	54	62	54	57	29.420	29.284	29.163	10	10	S. E.	S. E.	N. E.	—	—	—	[geranium maculatum.	
☾	18	—	—	54	—	—	29.319	—	4	1	N. W.	N. W.	N. W.	—	—	—	Calicanthus blossoms.	
☾	19	—	67	—	—	29.337	—	29.337	—	—	N. W.	N. W.	N. W.	—	—	—	Brief shower at night.	
☾	20	62	76	68	69	29.490	29.445	29.473	5	4	S. E.	N. W.	N. W.	—	—	—	Persian lilac; Tartarian	
☾	21	68	85	73	75	29.564	29.531	29.482	4	3	S. W.	N. W.	N. W.	—	—	—	[honeysuckle.	
☾	22	73	89	78	80	29.526	29.441	29.387	8	0	N. W.	N. W.	N. W.	—	—	—	Mountain ash; rose.	
☾	23	64	72	60	65	29.457	29.388	29.361	6	0	W.	N. W.	N. W.	—	—	—	Light shower.	
☾	24	52	60	50	54	29.353	29.409	29.500	10	10	N. W.	N. W.	N. W.	—	—	—		
☾	25	48	52	50	58	29.479	29.588	29.445	10	10	N. W.	N. W.	N. W.	—	—	—		
☾	26	50	68	56	58	29.495	29.437	29.504	0	5	N. W.	N. W.	N. W.	—	—	—		
☾	27	54	71	60	62	29.470	29.436	29.447	0	0	N.	N. W.	N. W.	—	—	—		
☾	28	59	80	—	—	29.525	29.412	—	0	0	N. E.	N. W.	N. W.	—	—	—		
☾	29	68	78	69½	72	29.361	29.285	29.276	10	5	N. E.	N. W.	N. W.	—	—	—		
☾	30	67	77½	69	71	29.218	29.106	29.144	6	9	S. W.	N. W.	S. W.	—	—	—		
☾	31	68	75	68	70	28.985	28.902	28.892	10	7	S. W.	S. W.	S. W.	—	—	—		
☾	Means,	55	70	57	61	29.400	29.362	29.325	6.3	4.8	5.	Amount,	1.76	—	—	—	—	

METEOROLOGICAL OBSERVATIONS—JUNE, 1863.

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 Rain & Melted Snow.	Inches Snow.
1 ☺	55	66	57	28.848	—	—	4	1	S. W.	S. W. <sup>2</sup>	S. W. <sup>2</sup>	8.30 p. m.	p. m.	.10	—	Showers; snowball bloss.	
2	56	66	57	28.959	29.012	29.098	6	8	S. W.	N. W. <sup>3</sup>	N. W. <sup>3</sup>	—	—	—	—	—	
3	56	63	59	29.217	29.202	29.235	9	8	S. W.	N. W.	N. W.	—	—	—	—	—	
4	59	67	57	29.365	29.352	29.400	7	2	N. W.	N. E.	N. W.	—	—	—	—	—	
5	54	59	59	29.511	—	29.476	8	—	N. W.	—	S. W.	9.30 a. m.	12 m.	—	—	Light interrupted rain.	
6	58	—	—	29.465	—	29.434	10	—	S.	—	S. W.	—	—	—	—	Misty and showery.	
7	55	57	55	29.430	29.340	29.290	10	10	N. E. <sup>2</sup>	N. E. <sup>2</sup>	N. E.	—	—	—	—	Misty & showery; labur-	
8	54½	57	55	29.185	29.167	29.163	10	10	N. W.	N. W.	S. W. <sup>2</sup>	—	—	.22	—	Showery. [num bloss.	
9	55	58	57	29.099	29.081	29.166	10	2	N. W.	N. W.	N. W.	—	4.30 p. m.	—	—	Syringa blossoms.	
10	60	79	70	29.265	29.238	29.280	4	0	N. W.	N. W. <sup>2</sup>	S. W.	—	—	—	—	Rain at night; locust bl.	
11	65½	78½	—	29.359	29.314	—	6	8	N. W.	S. W. <sup>2</sup>	—	6 p. m.	—	.54	—	Drizzling rain.	
12	65½	74	60	29.328	29.325	29.393	10	9	S. W.	S. E.	N. E.	—	p. m.	—	—	Hazy A. M.	
13	55½	55½	55	29.482	29.539	29.527	10	9	N. E.	N. E.	N. E.	—	—	—	—	Light & short rain P. M.	
14	53	76.	69½	29.511	29.418	29.365	0	1	N. E.	N. E.	N. W.	—	—	—	—	Hazy A. M.	
15	67	85½	74	29.211	29.047	29.175	5	1	S. W. <sup>2</sup>	N. W. <sup>3</sup>	N. E. <sup>3</sup>	—	—	—	—	Interrupted rain.	
16	56	—	57	29.362	—	29.268	0	—	N. W.	—	N. W.	—	—	—	—	Light showers towards moon.	
17	53	—	56	29.200	—	29.013	10	—	N. W.	—	N. W.	—	—	—	—	—	
18	55	—	66½	29.101	29.097	29.149	1	4	N. W.	N. W. <sup>2</sup>	N. W.	—	—	—	—	—	
19	—	—	55½	—	29.324	29.377	9	10	N. E.	N. E.	N. E.	—	—	—	—	—	
20	51	63	54	29.457	29.469	29.484	7	9	N. E.	N. E.	E.	—	—	—	—	—	
21	53	64	55½	29.377	29.432	29.410	4	4	E.	S. E.	E.	—	—	—	—	—	
22	55½	67	62	29.342	29.301	29.268	10	5	S. E.	S. E.	S. E.	4 p. m.	11 a. m.	32	—	Interrupted rain.	
23	59	68½	63	29.477	29.294	29.386	1	8	S.	N. W. <sup>2</sup>	N. W.	—	—	—	—	—	
24	60	69	63	29.477	29.486	29.523	0	8	N. W.	N. W.	N. W.	—	—	—	—	Light showers towards moon.	
25	58½	74	66	29.667	29.627	29.624	0	2	N. W.	S.	S. W.	—	—	—	—	—	
26	63	72½	65	29.637	29.597	29.568	1	9	S.	S. E.	S. W.	—	—	—	—	—	
27	—	79	68	—	29.568	29.570	1	2	—	N. E.	S. W.	—	—	—	—	—	
28	65	82	69	29.581	29.530	29.508	0	4	S.	S. W. <sup>2</sup>	S. W.	—	—	—	—	—	
29	61½	79	68	29.546	29.508	29.493	0	0	S. W.	S. W. <sup>3</sup>	S. W.	—	—	—	—	—	
30	66	79	70	29.539	29.485	29.485	1	1	S. W. <sup>2</sup>	S. W. <sup>3</sup>	S. W.	—	—	—	—	—	
Means.	56	71	61	29.369	29.331	29.361	5.3	6.0	3.8	Amount,	1.18	—	—	—	—	—	—

METEOROLOGICAL OBSERVATIONS—JULY, 1863.

Moon's Phases.	THERMOMETER.			BAROMETER.			CLOUDS.			WIND.			RAIN AND SNOW.			REMARKS.	
	Days of the month.			Cor. and Red. to 32°.			10 = covered.			Direction and Force.			Hour.				
	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.	7 A. M.	2 P. M.	9 P. M.	Began.	Hour Ended.		Inches Rain. Melted Snow.
☉	1	81	69	69	29.486	29.485	—	4	S. W. <sup>2</sup>	S. W. <sup>3</sup>	—	—	—	12.30 m.	—	—	Very light showers.
	2	68	67	69	29.543	29.530	9	10	N. W. <sup>2</sup>	S. W. <sup>2</sup>	—	—	—	—	—	—	
	3	68½	71	73	29.579	29.552	9	9	N. W. <sup>2</sup>	S. W.	—	—	—	—	—	—	
	4	68	70	71	29.610	29.547	10	10	S. E.	S. E.	—	—	—	—	—	—	
	5	64½	70	68½	29.484	29.446	10	10	S. E.	S. W.	—	—	—	—	—	—	Showery A. M.
	6	68	77	71	29.411	29.403	6	8	S. W.	S. W.	—	—	—	—	—	—	
	7	69½	75	76	29.396	29.379	5	5	S. W.	S. W.	—	—	—	10½ p. m.	—	—	Interrupted rain. Misty.
	8	71	80½	75	29.339	29.231	10	7	S. W.	S. W.	—	—	—	—	—	—	Misty.
	9	67	72	69	29.157	29.139	9	10	S. E.	N. E.	—	—	—	—	—	—	
	10	64	68	65	29.227	29.244	10	10	N. E. <sup>2</sup>	N. E.	—	—	—	—	—	1.55	
	11	66	81	72	29.287	29.258	2	2	N. E.	S. W. <sup>2</sup>	—	—	—	—	—	—	
	12	71	80	72½	29.381	29.438	10	10	S. W.	N. E.	—	—	—	—	—	—	Foggy A. M.
	13	66	67	68	29.496	29.584	10	10	N. E. <sup>2</sup>	N. E.	—	—	—	5 p. m.	—	.96	Light interrupted rain.
	14	63	70	68	29.406	29.286	10	10	N. E.	N. E.	—	—	—	4 p. m.	—	—	Continuous and heavy.
	15	68	76½	71	29.358	29.355	10	5	N. E.	N. E.	—	—	—	8.15 p. m.	—	—	Foggy A. M.; thun. sh'r.
	16	68½	80	75½	29.433	29.574	10	10	N. E. <sup>2</sup>	N. E.	—	—	—	5.30 a. m.	—	—	Foggy A. M.
	17	64	70	69	29.543	29.643	9	7	N. E. <sup>2</sup>	S. W.	—	—	—	—	—	—	Thunder rain.
	18	71	79	71½	29.616	29.628	10	10	S. E. <sup>2</sup>	S. W.	—	—	—	—	—	—	Continued rain.
	19	69½	77½	73	29.642	29.569	10	4	S. E. <sup>2</sup>	S. E.	—	—	—	—	—	—	Light shower.
	20	70	79	72½	29.523	29.435	6	1	S. W.	S. E.	—	—	—	—	—	—	Dwarf horse-chestnut bl.
	21	68	65	65	29.216	—	2	2	S. E.	S. E. <sup>2</sup>	—	—	—	—	—	.95	Heavy showers.
	22	63	67	67	29.392	—	0	0	N. W.	S. W.	—	—	—	8 a. m.	4.30 p. m.	—	Very light showers.
	23	65	69	67	29.522	29.495	0	6	N. W. <sup>2</sup>	S. W.	—	—	—	—	—	—	
	24	64	75	67½	29.534	29.495	3	3	N. E.	S. E.	—	—	—	—	—	—	Very light showers.
	25	67	74	71	29.514	29.463	10	10	S.	S. W. <sup>3</sup>	—	—	—	—	—	—	Heavy rain.
	26	69	83	77	29.224	29.151	10	4	S.	S. W. <sup>3</sup>	—	—	—	3 a. m.	8 a. m.	.97	
	27	72	82½	74	29.295	29.252	1	7	W.	S.	—	—	—	3 p. m.	7 p. m.	.33	Foggy A. M.
	28	69	82	74	29.463	29.490	1	1	W.	N. W.	—	—	—	—	—	—	
	29	71	67	70	29.551	29.551	10	6	S.	N. E.	—	—	—	8.20 a. m.	1.30 p. m.	1.87	
	30	74	74	75	—	—	—	5	S.	S. W. <sup>3</sup>	—	—	—	2 p. m.	3 p. m.	.12	
	31	74	77	77	29.545	29.527	8	4	S. W. <sup>3</sup>	S. W. <sup>4</sup>	—	—	—	—	—	—	Showery A. M.
Means,		63	72	70	29.437	29.427	29.426	7.7	7.2	5.8	Amount,					8.87	

METEOROLOGICAL OBSERVATIONS—AUGUST, 1863.

Days of the month.	THERMOMETER.					BAROMETER.				CLOUDS.			WIND.				RAIN AND SNOW.				REMARKS.
	7 A. M.	2 P. M.	9 P. M.	Mean.	Cor. and Red. to 32°.		10—covered.		Direction and Force.		Hour Began.	Hour Ended.	Inches Rain & Melted Snow.	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	78½	76	76	76	29.435	29.390	7	8	S. W. <sup>3</sup>	S. W. <sup>3</sup>	8.45 a.m.	9.30 a.m.	.20	-	Thunder storm.						
2	85	80	80	80	29.410	29.408	1	5	S. W. <sup>2</sup>	S. W. <sup>2</sup>	-	-	-	-	-						
3	89	80	80	82	29.462	29.449	2	1	S. W.	S. W.	-	-	-	-	-						
4	70	80	75	75	29.630	29.609	1	0	N.	S.	-	-	-	-	Gusty.						
5	71½	82	75	76	29.580	29.484	5	5	S. W. <sup>3</sup>	S. W. <sup>2</sup>	-	-	-	-	-						
6	73	83	78	78	29.369	29.304	2	4	N. W.	N. W.	-	-	-	-	-						
7	72	67	72	70	29.487	29.455	4	3	N. W. <sup>2</sup>	N. E.	-	-	-	-	-						
8	67	71	72	70	29.421	29.343	10	10	S. E.	S. E.	8.30 a.m.	-	-	-	Interrupted rain. Shower P. M.						
9	73	85	79	79	29.272	29.272	4	6	N. W.	S. W.	-	a. m.	.46	-	-						
10	77½	85	79	80	29.338	29.359	1	4	N. W.	N. W.	-	-	-	-	-						
11	76	75	76	76	29.363	29.451	8	10	S. E.	S. W. <sup>3</sup>	8.45 a.m.	5 30 p.m.	1.17	-	Thunder storm. Brief shower.						
12	73	78	72	74	29.415	29.465	7	5	N. W.	N. W.	-	-	-	-	-						
13	68	78	69	72	29.638	29.617	7	4	N.	S. E.	-	-	-	-	Foggy A. M.						
14	66	80	74	73	29.685	29.465	0	4	S. E.	S. W.	-	-	-	-	-						
15	72½	80	70	74	29.445	29.475	4	5	N. W.	N. W.	-	-	-	-	Drizzle.						
16	63	73	63	66	29.569	29.471	7	4	N. W.	N. E.	3.25 p.m.	-	-	-	-						
17	59	69	61	63	29.482	29.504	10	2	N. E.	N. E.	-	10 a. m.	0.24	-	-						
18	56	69½	62	62	29.690	29.683	1	1	N. E.	N. W.	-	-	-	-	-						
19	61	79	72	71	29.520	29.374	5	3	S. W. <sup>4</sup>	S. W. <sup>2</sup>	-	-	-	-	-						
20	68½	80	71	73	29.366	29.345	1	6	N. W.	N. E.	-	-	-	-	Foggy A. M. Misty rain.						
21	68	81	72	74	29.383	29.335	8	7	N. E.	N. E.	a. m.	8 a. m.	-	-	Dense fog A. M.						
22	70	78	75	74	29.291	29.191	10	6	N. E.	N. E.	-	-	-	-	-						
23	68	82	73	74	29.391	29.390	10	4	N. E.	N. W.	-	-	-	-	-						
24	70	83½	76½	73	29.491	29.442	10	4	S. <sup>3</sup>	S. W. <sup>3</sup>	-	-	-	-	-						
25	75	78	67	73	29.428	29.427	4	4	N. E. <sup>2</sup>	N. W.	-	-	-	-	Dense fog A. M.; high Light rain. [winds.						
26	60	64	62	62	29.383	29.291	10	10	N. E. <sup>3</sup>	N. E.	p. m.	11 a. m.	2.80	-	Heavy continued rain.						
27	56	66	59	60	29.517	29.506	9	9	N.	N. E.	-	-	-	-	-						
28	55	69	60	61	29.493	29.416	8	10	S. E.	S. E.	-	-	-	-	Fog A. M.; misty rain. Mist A. M.						
29	60	72	70	67	29.427	29.356	10	8	N. E.	S. E. <sup>2</sup>	5 p. m.	-	.09	-	Gusty.						
30	55	65	57½	59	29.517	29.592	0	6	N. W.	N. W.	-	-	-	-	-						
31	54	65	56	58	29.774	29.775	0	9	N. W.	N. W. <sup>3</sup>	-	-	-	-	-						
Means,	67	77	70	71	29.478	29.441	5.1	5.8	Amount.	Amount.	-	-	3.96	-	-						



METEOROLOGICAL OBSERVATIONS—SEPTEMBER, 1863.

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.	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.	7 A. M.	2 P. M.	9 P. M.	Began.	Hour Ended.	Rain.		Melted Snow.	Inches Show.
1	54½	62	56	57	29.771	29.723	29.652	10	7	E.	E.	E.	-	-	-	-	-	-	Foggy A. M.
2	53	72	63½	63	29.611	29.536	29.528	1	1	S. E.	S.	S.	-	-	-	-	-	-	Foggy A. M.
3	54	67½	62	61	29.457	29.406	29.376	3	3	S. E.	S. E.	S. E.	-	-	-	-	-	-	
4	61	68½	58	62	29.419	29.446	29.504	10	5	N. E.	N.	N.	-	-	-	-	-	-	
5	53	-	57	-	29.562	-	29.468	4	1	N.	-	-	-	-	-	-	-	-	
6	58	76	67	67	29.460	29.648	29.471	1	2	S. W.	S. W.	S. W.	-	-	-	-	-	-	
7	62½	76½	68	69	29.569	29.563	29.501	4	2	S. W.	S. E.	S. E.	-	-	-	-	-	-	
8	64	76	67	67	29.626	29.543	29.471	10	2	S. E.	S. W.	S. W.	-	-	-	-	-	-	
9	66	64	59	63	29.516	29.597	29.654	8	7	S. E.	N. E.	E.	-	-	-	-	-	-	
10	51	65	52½	56	29.819	29.809	29.792	0	4	N. W.	N. E.	S. W.	-	-	-	-	-	-	
11	44	67½	57	56	29.750	29.640	29.587	0	2	N. E.	S. W.	S. W.	-	-	-	-	-	-	
12	59½	74	67	67	29.412	29.331	29.316	10	4	S. W.	W.	W.	-	-	-	.20	-	-	Dense fog; white frost.
13	61	60	58	60	29.429	29.472	29.537	10	10	N. E.	N. E.	N. E.	-	12½ a. m.	p. m.	-	-	-	Interrupted rain.
14	58	71	64	64	29.627	29.601	29.638	6	1	N. E.	S. W.	S. W.	-	-	-	-	-	-	
15	64	77	69	70	29.666	29.598	29.545	3	0	S. W.	S. W.	S. W.	-	-	-	-	-	-	
16	66	82	71½	76	29.598	29.550	29.525	0	0	S. W.	S. W.	S. W.	-	-	-	-	-	-	
17	69	75	71	72	29.541	29.461	29.388	4	7	S. W.	S. W.	S. W.	-	-	-	-	-	-	
18	72	74½	71	72	29.291	29.111	28.917	10	10	S. W.	S.	S.	-	1.30 p m	7.30 p m	.57	-	-	Showery.
19	58	63	54	58	29.224	29.245	29.292	10	9	N. W.	N. W.	S. E.	-	4 p. m.	-	-	-	-	Variable interrupted rain.
20	51	54	52	52	29.332	29.312	29.317	10	10	N. E.	N. E.	N. E.	-	-	-	-	-	-	
21	47	-	58	-	29.401	-	29.420	8	7	N. W.	N. W.	S. W.	-	-	-	-	-	-	
22	48	52	44	48	29.606	29.737	29.875	2	1	N. W.	N. W.	N. W.	-	-	a. m.	1.03	-	-	
23	39	-	46	-	30.306	-	29.863	2	1	N.	N.	S. E.	-	-	-	-	-	-	Severe white frost;
24	38	61	51½	50	29.746	29.584	29.470	1	4	S. E.	W.	S. W.	-	-	-	-	-	-	Dense fog.
25	54	58	53	55	29.375	29.317	29.322	10	10	S. W.	N.	N. E.	-	-	-	-	-	-	[aurora.
26	47	52	45	48	29.317	29.295	29.293	10	2	N. W.	N. W.	N. W.	-	1.10 p. m.	7.30 a. m.	.76	-	-	Dense fog.
27	48	61	48	52	29.373	29.392	29.472	4	1	N. W.	N. W.	N. W.	-	-	-	-	-	-	Dense fog; hazy.
28	42½	64	49	52	29.586	29.564	29.570	0	0	N. W.	S. E.	S. W.	-	-	-	-	-	-	Dense fog.
29	43	66½	53	54	29.631	29.698	29.612	2	0	S. E.	S. E.	S. E.	-	-	-	-	-	-	Smoky A. M.
30	51	71	55	59	29.611	29.557	29.554	0	0	S. W.	S. W.	S. W.	-	-	-	-	-	-	
Means,	55	63	58	60	29.518	29.541	29.498	5.1	4.7	3.3	Amount,			2.56			-		

## WEATHER AND WIND, 1862-3.

WEATHER AND WIND.	October.	November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	September.	Total.
Number of days clear, . . . . .	1	0	1	2	2	0	2	2	0	1	0	3	14
Number of days cloudy, . . . . .	30	30	30	29	26	31	28	29	30	30	31	27	351
Number of days rainy, . . . . .	11	16	13	14	11	15	13	12	12	18	12	8	155
Number of days N. wind, . . . . .	0	1	0	1	0	1	0	0	0	0	0	0	3
Number of days N. W. wind, . . . . .	2	9	8	3	6	10	5	4	4	0	3	2	56
Number of days W. wind, . . . . .	0	0	0	0	0	0	0	0	0	0	0	0	0
Number of days S. W. wind, . . . . .	3	4	3	1	1	1	2	3	3	6	4	3	34
Number of days S. wind, . . . . .	0	0	0	1	0	0	0	0	0	0	0	0	1
Number of days S. E. wind, . . . . .	0	0	0	2	0	0	0	1	1	1	2	0	7
Number of days E. wind, . . . . .	0	0	0	0	0	0	0	2	0	0	0	1	3
Number of days N. E. wind, . . . . .	6	2	2	3	1	2	9	7	2	6	2	1	43

## REMARKS.

By clear days is meant days entirely clear; *i. e.*, no cloud whatever being visible.

By rainy days, that more or less rain (or snow) fell, without any reference to quantity.

## SUMMARY OF METEOROLOGICAL OBSERVATIONS, 1862-3.

AVERAGE FOR	October.	November.	December.	January.	February.	March.	April.	May.	June.	July.	August.	Septemr.	Year.
Thermometer, . . . . .	48	38	29	28	25	24	39	55	56	63	66	55	43
	58	46	36	35	33	34	53	70	71	72	77	63	54
	51	41	30	30	29	27	45	57	61	70	70	58	47
	52	42	32	31	29	28	45	61	63	68	71	60	48
Barometer, . . . . .	29.476	29.439	29.431	29.516	29.578	29.459	29.419	29.400	29.369	29.437	29.478	29.518	29.460
	29.428	29.372	29.467	29.474	29.509	29.431	29.353	29.362	29.331	29.427	29.441	29.541	29.428
	29.444	29.419	29.483	29.505	29.542	29.389	29.346	29.325	29.361	29.426	29.447	29.498	29.432
	29.449	29.410	29.460	29.498	29.543	29.426	29.373	29.362	29.354	29.430	29.455	29.519	29.440
Cloudiness, . . . . .	5.4	6.1	6.	5.	5.2	5.5	5.8	6.3	5.3	7.7	5.1	5.1	5.7
	6.	6.1	6.3	5.9	5.7	5.1	6.1	4.8	6.	7.2	5.8	4.7	5.8
	4.9	6.3	5.2	5.1	5.1	3.5	5.9	5.	3.8	5.8	4.	3.3	4.8
Inches Rain and Snow Water,	5.4	6.2	5.8	5.3	5.3	4.7	5.9	5.4	5.0	6.9	5.	4.7	5.4
	3.22	5.35	2.50	4.09	3.42	5.78	5.28	1.76	1.18	8.87	3.96	2.56	47.97
" Snow, . . . . .	-	3.	20 75	10.50	12.	31.	5.	-	-	-	-	-	82.25

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

YEAR.	JANUARY.		FEBRUARY.		MARCH.		APRIL.		MAY.		JUNE.		JULY.		AUGUST.		SEPTEMBER.		OCTOBER.		NOVEMBER.		DECEMBER.		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.
1841.	4.78	25.50	.83	15.	3.45	20.	6.54	6.	3.46	-	.92	-	2.94	-	2.97	-	4.27	-	3.84	-	4.17	10.	4.77	6.	42.92	82.50	
1842.	1.35	5.	4.13	3.	2.24	4.	2.82	-	3.24	4.93	4.93	1.96	1.96	7.12	7.12	.83	3.50	5.83	5.30	5.30	2.	5.30	26.	40.78	40.00		
1843.	5.05	2.	4.45	30.	5.23	26.	3.13	10.	1.73	4.15	4.15	3.39	3.39	9.19	9.19	5.19	1.25	-	2.28	23.	3.63	-	2.28	23.	48.67	91.	
1844.	3.14	13.50	1.44	12.	3.80	18.50	.35	-	3.67	1.92	1.92	3.50	3.50	3.39	3.39	7.34	3.68	-	2.56	8.	3.06	5.	2.56	8.	37.85	57.	
1845.	4.17	12.	2.61	20.	3.29	10.	1.61	-	3.23	3.14	3.14	2.91	2.91	2.36	2.36	4.44	2.57	-	4.44	13.	6.77	4.	5.39	13.	42.49	59.	
1846.	2.92	13.	2.50	30.	3.33	-	1.34	-	2.85	2.37	2.37	3.81	3.81	2.44	2.44	2.19	.99	-	2.19	4.	4.08	5.	2.87	4.	34.60	52.	
1847.	4.66	5.	4.08	17.	3.89	8.	1.67	-	3.52	5.29	5.29	4.86	4.86	4.20	4.20	7.17	2.87	-	2.87	10.50	3.75	-	4.93	10.50	50.89	40.50	
1848.	3.08	4.50	1.61	23.	3.89	6.	1.52	5.	6.82	1.31	1.31	3.13	3.13	3.19	3.19	6.75	2.36	-	6.75	25.	1.94	7.75	3.93	25.	38.53	71.25	
1849.	.98	2.	1.30	16.50	4.75	3.	1.95	1.5	3.56	1.25	1.25	1.60	1.60	4.28	4.28	6.45	2.49	-	6.45	8.50	4.11	-	3.12	8.50	35.84	31.50	
1850.	4.79	15.	3.23	2	3.67	23.	5.53	13.	7.50	3.25	3.25	3.75	3.75	6.05	6.05	3.37	2.92	-	3.37	23.50	2.14	.50	4.19	23.50	65.39	74.	
1851.	2.07	2.50	4.01	1.50	1.40	18.	6.76	6.	4.73	3.16	3.16	2.17	2.17	1.97	1.97	7.04	2.59	-	7.04	4.	5.68	5.50	2.30	5.50	43.88	43.	
1852.	5.44	17.	2.46	11.50	3.42	13.75	19.77	23.	3.15	3.53	3.53	3.42	3.42	11.38	11.38	3.36	3.36	-	3.36	4.	5.88	4.	4.78	4.	61.48	73.25	
1853.	3.04	10.	8.09	11.	3.60	8.	4.92	-	5.45	1.01	1.01	3.29	3.29	10.71	10.71	5.26	5.26	-	5.26	20.50	5.30	-	3.79	20.50	60.66	49.50	
1854.	2.82	7.50	6.62	15.50	3.45	-	6.69	10.	6.78	3.05	3.05	5.68	5.68	.35	.35	5.03	5.03	-	5.03	15.50	9.82	2.50	3.34	15.50	59.16	51.	
1855.	8.11	9.	4.48	8.	2.33	4.	5.39	-	1.64	4.19	4.19	9.40	9.40	4.06	4.06	8.17	5.20	-	8.17	11.	5.85	2.50	6.90	11.	58.62	34.	
1856.	4.60	27.50	1.35	9.	1.69	10.25	3.34	-	6.55	1.44	1.44	2.68	2.68	13.14	13.14	3.39	3.39	-	3.39	3.	2.03	2.50	4.08	3.	46.94	52.25	
1857.	4.48	29.	2.24	6.50	2.80	11.75	8.77	-	4.56	3.44	3.44	3.80	3.80	5.75	5.75	4.92	4.92	-	4.92	6.25	3.12	-	6.11	8.	53.92	55.25	
1858.	3.06	8.50	1.10	4.50	2.29	-	4.14	5.	4.13	5.16	5.16	4.18	4.18	4.	4.	5.70	5.70	-	5.70	6.25	1.69	4.62	3.19	6.25	41.73	28.87	
1859.	5.75	24.50	3.67	18.75	7.71	4.75	2.90	1.	3.65	5.17	5.17	1.26	1.26	5.45	5.45	4.	4.	-	4.	19.	3	-	4.55	19.	49.57	68.	
1860.	1.34	14.75	2.77	20.	2.26	6.75	1.36	-	2.66	6.65	6.65	7.91	7.91	5.76	5.76	6.02	6.02	-	6.02	16.75	4.38	-	5.05	16.75	48.63	58.25	
1861.	4.33	28.25	1.67	.50	2.85	15.	5.71	13.	3.50	2.46	2.46	5.29	5.29	3.99	3.99	3.11	3.11	-	3.11	3.	3.93	2.75	1.81	3.	41.96	62.50	
1862.	4.47	23.50	2.44	10.	3.51	3	2.34	1.	1.87	7.44	7.44	6.10	6.10	2.64	2.64	2.14	2.14	-	2.14	20.75	5.35	3.	2.50	20.75	44.02	61.25	
1863.	4.09	10.50	3.42	12.	5.78	31.	5.28	5.	1.76	1.18	1.18	8.87	8.87	3.96	3.96	2.56	2.56	-	-	-	-	-	-	-	36.90	58.50	
Sums,	88.52	310.	70.43	297.25	78.51	241.75	94.83	99.5	93.01	76.41	95.90	118.35	118.35	118.35	118.35	84.89	84.89	-	84.89	4.	93.04	61.12	87.74	280.75	1075.43	1294.37	
Means,	3.85	13.48	3.06	12.92	3.41	10.51	4.12	4.11	4.04	-	3.32	-	4.17	-	5.15	-	3.69	-	-	4.26	.18	4.23	2.78	3.99	12.76	46.76	56.28

*Flowering Season on Hospital Hill for Twenty-Five Years.*

TREES, SHRUBS, ETC.	1839.	1840.	1841.	1842.	1843.	1844.	1845.	1846.	1847.	1848.	1849.	1850.	1851.
Almond, Flowering,	May 10	May 13	May 25	- 9	May 25	May 4	May 10	May 6	May 25	May 12	May 23	May 23	May 15
Apple,	10	11	17	May 24	14	2	8	4	22	9	18	18	14
Arbutus, Trailing,	-	- 30	May 28	M'ch 27	- 25	Apr. 10	- 23	Apr. 2	- 29	Apr. 6	Apr. 13	Apr. 11	Apr. 10
Ash, Mountain,	Apr. 18	Apr. 19	May 8	-	3	-	Apr. 25	- 12	1	- 22	-	June 6	June 1
Bloodroot,	-	May 23	June 4	-	29	-	May 20	May 15	28	-	June 2	June 6	June 23
Calicanthus,	- 28	Apr. 25	May 15	Apr. 24	9	21	Apr. 28	Apr. 24	10	-	May 6	May 5	May 23
Cherry, Wild,	May 6	May 2	May 21	May 5	15	27	May 5	Apr. 27	- 24	May 13	May 19	May 5	Apr. 29
April 8	April 1	April 1	April 7	April 1	Apr. 15	-	Apr. 12	9	Apr. 24	Apr. 10	Apr. 20	Apr. 10	4
Crocus,	-	26	1	May 1	8	-	23	28	May 12	Apr. 28	-	Apr. 15	25
" Missouri,	-	23	1	Apr. 16	9	23	23	19	Apr. 20	15	29	Apr. 15	22
Dandelion,	-	-	-	May 1	-	8	M'ch 29	3	May 2	3	2	Apr. 6	6
Daphne Mezereon,	-	- 20	8	May 1	- 28	17	Apr. 29	- 16	May 25	May 19	May 24	May 30	18
Fever Bush,	May 21	May 18	28	- 14	25	-	May 22	May 13	27	16	- 24	May 30	19
Geranium Maculatum,	-	16	27	-	21	-	15	- 22	- 12	June 12	Apr. 23	Apr. 18	12
Honeysuckle, Tart,	-	20	-	-	21	-	15	Apr. 22	27	Apr. 14	Apr. 7	May 13	18
Horse Chestnut,	-	-	-	-	Apr. 29	-	1	-	-	May 17	May 24	May 28	18
Hyacinth,	Apr. 16	Apr. 16	Apr. 24	Apr. 12	25	16	Apr. 21	13	Apr. 25	May 17	June 3	June 7	25
Leatherwood,	May 16	May 16	May 27	-	May 20	May 4	May 15	May 8	May 25	May 21	May 24	June 8	22
Lilac,	May 18	May 30	May 30	-	Apr. 29	-	19	17	Apr. 25	Apr. 24	Apr. 30	Apr. 26	22
" Persian,	April 9	Apr. 23	Apr. 23	11	Apr. 30	Apr. 12	Apr. 21	Apr. 10	9	Apr. 24	Apr. 11	Apr. 27	2
Liverwort,	-	May 19	May 25	May 3	Apr. 28	-	Apr. 21	-	Apr. 21	Apr. 16	May 5	May 23	19
Maple, Red,	-	May 19	May 19	Apr. 22	May 12	24	Apr. 1	- 25	May 11	May 17	May 7	May 27	15
Narcissus,	-	1	19	-	14	26	May 1	23	Apr. 11	Apr. 26	June 3	June 6	30
Peach,	May 4	May 19	May 25	-	-	May 15	22	May 17	June 5	May 23	June 6	June 14	24
Pyrus Japonica,	June 2	June 3	-	-	-	Apr. 20	4	Apr. 27	9	Apr. 25	May 7	May 8	6
Rose, Russian,	May 27	May 26	-	-	13	May 15	20	May 17	June 5	May 27	June 6	June 14	24
" Scotch,	May 2	Apr. 27	-	- 29	-	Apr. 20	20	Apr. 27	9	Apr. 25	May 7	May 7	6
Shad Bush,	-	-	-	-	1	May 15	-	Apr. 27	9	Apr. 25	May 7	May 7	6
Violet, Blue,	-	24	7	- 23	-	Apr. 18	-	-	9	-	-	-	24
Wind Flower,	Apr. 19	-	-	-	-	Apr. 18	-	-	9	-	-	-	Apr. 24

## Flowering Season, &amp;c.—Concluded.

TREES, SHRUBS, ETC.	1852.	1853.	1854.	1855.	1856.	1857.	1858.	1859.	1860.	1861.	1862.	1863.
Almond, Flowering, . . . . .	May 18	May 15	May 20	May 19	May 22	May 25	May 17	May 8	May 10	May 24	May 18	-
Apple, . . . . .	Apr. 13	Apr. 9	Apr. 18	Apr. 15	Apr. 23	Apr. 2	Feb. 13	Apr. 2	Apr. 4	Apr. 11	Apr. 20	Apr. 18
Arbutus, Trailing, . . . . .	June 5	May 22	May 30	June 12	May 31	June 3	-	May 26	June 1	May 30	May 27	May 28
Ash, Mountain, . . . . .	May 3	Apr. 26	May 12	May 12	May 13	May 13	Apr. 26	May 4	May 3	May 1	May 4	May 5
Bloodroot, . . . . .	May 25	June 4	June 6	June 4	June 5	June 5	Apr. 1	May 25	May 19	May 28	May 26	May 23
Calicanthus, . . . . .	9	Apr. 27	May 8	May 7	May 8	May 9	May 1	May 4	May 4	-	May 9	May 3
Cherry, . . . . .	10	Apr. 27	May 16	May 14	May 13	May 3	May 10	-	-	-	-	-
" Wild, . . . . .	9	Apr. 27	Apr. 10	Apr. 12	Apr. 6	March 23	Apr. 1	-	Apr. 14	Apr. 12	Apr. 15	Apr. 13
Crocus, . . . . .	May 12	May 7	May 7	May 11	May 14	May 2	May 7	-	May 3	May 14	May 10	May 16
Current, Missouri, . . . . .	3	22	May 10	Apr. 17	May 2	Apr. 16	Apr. 6	March 31	Apr. 23	Apr. 25	Apr. 27	Apr. 24
Dandelion, . . . . .	Apr. 14	8	Apr. 20	Apr. 24	Apr. 16	March 31	Apr. 3	Apr. 13	Apr. 6	Apr. 11	Apr. 17	Apr. 13
Daphne Mezereon, . . . . .	May 11	May 30	May 8	May 30	May 8	-	-	Apr. 13	-	-	-	-
Fever Bush, . . . . .	May 28	May 23	May 30	May 23	May 1	May 29	-	May 24	May 23	June 4	May 25	May 20
Geranium Maculatum, . . . . .	24	May 13	May 30	May 23	May 25	May 27	May 25	May 22	May 18	May 28	May 26	May 26
Honeysuckle, Tart., . . . . .	28	Apr. 25	June 2	June 20	May 24	Apr. 26	May 28	Apr. 22	Apr. 22	May 28	May 22	May 20
Horse-Chestnut, . . . . .	4	Apr. 29	May 6	June 16	Apr. 17	-	-	-	Apr. 22	-	-	-
Hyacinth, . . . . .	12	May 17	June 6	June 10	Apr. 17	-	-	-	Apr. 22	-	-	-
Leatherwood, . . . . .	27	May 17	June 22	June 20	May 24	-	-	-	Apr. 22	-	-	-
Lilac, . . . . .	24	Apr. 19	Apr. 23	Apr. 17	May 31	-	-	-	May 18	June 26	Apr. 17	Apr. 23
" Persian, . . . . .	Apr. 25	Apr. 23	Apr. 30	Apr. 2	-	Apr. 19	Apr. 1	Apr. 24	Apr. 8	June 8	Apr. 20	Apr. 23
Liverwort, . . . . .	Apr. 28	Apr. 11	Apr. 23	Apr. 19	-	May 22	Apr. 1	Apr. 1	Apr. 5	-	May 18	May 10
Maple, Red, . . . . .	May 29	May 26	May 28	May 30	May 18	May 14	Apr. 28	-	May 5	May 16	May 11	May 28
Narcissus, . . . . .	May 11	Apr. 30	May 9	May 8	May 13	May 15	May 1	May 31	May 31	June 8	May 28	May 28
Peach, . . . . .	June 9	June 2	June 10	June 1	June 12	June 12	June 1	May 7	May 5	May 16	May 18	May 10
Pyrus Japonica, . . . . .	Apr. 20	Apr. 6	Apr. 30	June 4	June 3	June 27	Apr. 30	May 31	Apr. 31	June 8	May 28	May 28
Rose, Russian, . . . . .	Apr. 28	May 6	May 10	June 6	May 10	May 22	Apr. 30	-	-	May 12	May 11	May 10
" Scotch, . . . . .	May 6	Apr. 24	May 12	May 10	Apr. 15	May 5	Apr. 5	Apr. 6	Apr. 28	May 9	Apr. 27	Apr. 12
Shad Bush, . . . . .	May 6	Apr. 24	May 12	May 26	May 15	May 22	Apr. 30	-	-	May 12	Apr. 27	Apr. 10
Violet, Blue, . . . . .	1	23	Apr. 30	Apr. 10	Apr. 5	May 12	Apr. 29	Apr. 4	Apr. 4	Apr. 28	Apr. 27	Apr. 12
Wind Flower, . . . . .				3	5	12	29	4	-	Apr. 28	Apr. 27	Apr. 27

## APPENDIX.

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### FORMS CONCERNING ADMISSION TO THE HOSPITAL.

#### P E T I T I O N .

[The applicant must answer in writing the printed interrogations accompanying this blank.]

*To the Honorable the Judge of the Probate Court, in and for the County*  
*of* \_\_\_\_\_ :  
 \_\_\_\_\_ of

on oath complains that

of \_\_\_\_\_, in said county of \_\_\_\_\_ is an insane person, and a proper subject for the treatment and custody of the Worcester Lunatic Hospital.

Wherefore h \_\_\_\_\_ prays that said \_\_\_\_\_ may be committed to the said Worcester Lunatic Hospital according to law.

\_\_\_\_\_, ss.

A. D. 186

Then the above named \_\_\_\_\_ made oath that the above complaint, by h \_\_\_\_\_ subscribed, is true.

Before me,

Justice of the Peace.

I, the subscriber, one of the selectmen of \_\_\_\_\_ where said \_\_\_\_\_ resides, hereby acknowledge that notice in writing has been given to me of the intention to present the foregoing complaint and application.

A. D. 186

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*To the Honorable the Judge of the Probate Court, in and for the County*  
*of* \_\_\_\_\_ :

The subscriber, having made application to your Honor for the commitment of \_\_\_\_\_ to the Worcester Lunatic Hospital, as a lunatic, now presents the following statement, in answer to interrogatories:—

What is the age of the lunatic? Ans.

Birthplace? Ans.  
 Civil condition of lunatic? Ans.  
 Occupation? Ans.  
 Supposed cause of disease? Ans.  
 Duration? Ans.  
 Character—whether mild, violent, or dangerous? Ans.  
 Homicidal or suicidal? Ans.  
 Paralytic or epileptic? Ans.  
 Previous existence of insanity in the lunatic? Ans.  
 Previous or present insanity in any of the family? Ans.  
 Habits in regard to temperance? Ans.  
 Whether he has been in any lunatic hospital; if so, what one, when, and how long? Ans.  
 (If a woman.) Has she ever borne any children? Ans.  
 (If a woman.) How long since the birth of her last child? Ans.  
 Name and post-office address of some of the nearest relatives or friends? Ans.  
 What facts show whether h has or has not a settlement, and where, if anywhere in this State? Ans.  
 [For the law relating to settlement, see Gen. Stat. chap. 69.]

Applicant.

PHYSICIANS' CERTIFICATE.

The subscribers, respectable physicians of \_\_\_\_\_ in the county of \_\_\_\_\_, having made due inquiry and personal examination of \_\_\_\_\_ named in the foregoing application, within one week prior to the date hereof, certify that the said \_\_\_\_\_ is insane, and a proper subject for the treatment and custody of the Worcester Lunatic Hospital.

A. D. 186

, ss.

A. D. 186

Then the above named \_\_\_\_\_ and \_\_\_\_\_ made oath that the above certificate is true.  
 \_\_\_\_\_  
 Justice of the Peace.

*Commonwealth of Massachusetts.*

, ss.

At \_\_\_\_\_, in said county, on the \_\_\_\_\_ day of \_\_\_\_\_ A. D. 186 \_\_\_\_\_,

On the application of \_\_\_\_\_ of \_\_\_\_\_ in said county, to the Worcester Lunatic Hospital, \_\_\_\_\_; notice in writing having been given by said applicant to one of the selectmen \_\_\_\_\_ of \_\_\_\_\_



where said \_\_\_\_\_ resides, of h \_\_\_\_\_  
 intention to make said application, and said \_\_\_\_\_ having  
 been duly notified of the time and place appointed for hearing, it appears  
 upon a full hearing that said \_\_\_\_\_ is an insane person, and  
 a proper subject for the treatment and custody of the Worcester Lunatic  
 Hospital.

Wherefore it is ordered that said \_\_\_\_\_  
 be committed to the said Worcester Lunatic Hospital.

Judge of Probate Court.

FORM OF OVERSEERS' BOND.

*Worcester Lunatic Hospital.*

Whereas, \_\_\_\_\_ of \_\_\_\_\_, in the county of \_\_\_\_\_  
 \_\_\_\_\_, has been admitted a boarder in the Worcester Lunatic  
 Hospital \_\_\_\_\_, 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 rate of board which may, from time to  
 time, be determined by the Trustees of said hospital, for said patient, so long  
 as he shall continue a boarder in said hospital, with such extra charges as may  
 be occasioned by h \_\_\_\_\_ requiring more than ordinary care and attention, to  
 provide for h \_\_\_\_\_ suitable clothing, and to pay for all such necessary articles  
 of clothing as shall be procured for h \_\_\_\_\_ by the Steward of the hospital,  
 and to remove h \_\_\_\_\_ from said hospital whenever the room occupied by  
 h \_\_\_\_\_ 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 h \_\_\_\_\_ 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 \_\_\_\_\_

Attest.

(Signed,)

} *Overseers of the Poor*  
 } *of the*  
 } *Town of*

## FORM OF PRIVATE BOND.

*Worcester Lunatic Hospital.*

Whereas \_\_\_\_\_, of \_\_\_\_\_, 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 rate of board which may, from time to time, be determined by the Trustees of said hospital, for said patient, so long as he shall continue a boarder in said hospital, with such extra charges as may be occasioned by him requiring more than ordinary care and attention; to provide for him suitable clothing, and to pay for all such necessary articles of clothing as shall be procured for him by the Steward of the hospital, and to remove him from said hospital whenever the room occupied by him 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 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.*

All necessary clothing must be supplied by the friends of the patients.

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.

LAWS RELATING TO TERMS AND FORMS OF  
ADMISSION.

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[Chapter 223, Acts of 1862.]

AN ACT CONCERNING STATE LUNATIC HOSPITALS AND INSANE AND  
IDIOTIC PERSONS.

*Be it enacted, &c., as follows :*

SECTION 1. The titles of the state lunatic hospitals shall be severally, The Worcester Lunatic Hospital, The Taunton Lunatic Hospital, and The Northampton Lunatic Hospital.

SECTION 2. The lands now holden and which may hereafter be holden, by the trustees of any state lunatic hospital, in trust for the Commonwealth, for the use of the institution of which they are trustees, shall not be taken for any street, highway or railroad, without leave of the legislature specially obtained.

SECTION 3. Any of the judges of the supreme judicial, superior, and probate courts, and, in the city of Boston, of the police court, may commit to either of the state lunatic hospitals, any insane person who, in their opinion, is a proper subject for its treatment or custody. But in all cases, the evidence and certificate of at least two respectable physicians, shall be required to establish the fact of insanity. In all cases the judge shall certify in what place the lunatic resided at the time of his commitment; or if ordered to be confined by any court, the judge shall certify in what place the lunatic resided at the time of the arrest in pursuance of which he was held to answer before such court; and such certificate shall, for the purposes of this act, be conclusive evidence of his residence.

SECTION 4. Any person applying for the commitment or for the admission of a lunatic to a state lunatic hospital, under the provisions of this act, shall first give notice in writing to the mayor or one or more of the selectmen, of the place where the lunatic resides, of his intention to make such application; and satisfactory evidence that such notice has been given shall be produced to the judge in cases of commitment, and to the trustees upon applications for admission.

SECTION 5. Upon every application for the commitment or admission of an insane person to any hospital or asylum for the insane, there shall be filed with the application or within ten days after the commitment or admission, a statement in respect to such persons, showing as nearly as can be ascertained, his age, birthplace, civil condition, and occupation; the supposed cause and the duration and character of his disease, whether mild, violent, dangerous, homicidal, suicidal, paralytic or epileptic; the previous or present existence of insanity in the person or his family; his habits in regard to temperance; whether he has been in any lunatic hospital, and if so, what one, when, and how long. And, if the patient is a woman, whether she has borne children, and, if so, what time has elapsed since the birth of the youngest; the name and address of some one or more of his nearest relatives or friends, together

with any facts showing whether he has or has not a settlement, and if he has a settlement, in what place; and if the applicant is unable to state any of the above particulars, he shall state his inability to do so. The statement, or a copy thereof, shall be transmitted to the superintendent of the hospital or asylum, to be filed with the order of commitment, or the application for admission.

SECTION 6. The judge may hear and determine such applications, in respect to persons alleged to be insane, at such times and places as he may appoint; and the presence of the alleged lunatic at the hearing, may be required or dispensed with, in the discretion of the judge; and the court may in its discretion, issue a warrant to the sheriff, or his deputy, directing him to summon a jury of six lawful men, to hear and determine whether the alleged lunatic is insane. Whenever a jury is summoned, pursuant to the provisions of this section, the same proceedings shall be had, and the same fees and expenses paid as are provided by the General Statutes, chapter seventy-three, sections twelve, thirteen, fourteen, fifteen and sixteen.

SECTION 7. Whenever application shall be made to any judge of probate for the commitment of an insane person under the provisions of this act, he may allow to the sheriff, deputy-sheriff or constable, or other person to whom, a precept is directed by name, who may serve the same, the same fees as are allowed to officers upon the commitment of persons to prison, and such further sum for expenses incurred in said commitments, or in bringing such lunatic before the judge, as to him may seem reasonable; and the sums so allowed shall be certified and paid, as provided in the General Statutes, chapter seventy-three, section sixteen.

SECTION 8. Upon every application for the admission of an insane person to the several state lunatic hospitals, or to any asylum or private house for the reception of the insane, the applicant shall file with his application a certificate, signed by two respectable physicians, one of whom, when practicable, shall be the family physician of the patient, certifying, after due inquiry or personal examination of the patient by them, within one week prior to the date of the certificate, to the insanity of the person in whose behalf admission is sought, and that such person is a fit subject for remedial treatment at such hospital, asylum, or private house.

SECTION 9. Any insane person who is supported by any place as a pauper, may be committed by the overseers of the poor thereof, to either of the state lunatic hospitals, with the consent of the trustees, and shall be kept for a sum not exceeding the actual expense of his support. And the trustees shall receive into the hospital, any other insane person having a settlement or residence in this Commonwealth, for such compensation as they may determine.

SECTION 10. The expenses of the state lunatic hospitals for the support of lunatics having known settlements in this state, shall be paid quarterly, either by the persons obligated to pay, or by the place in which such lunatics had their residence, at the time of their commitment, unless other sufficient security is taken to the satisfaction of the trustees, for such support. If any place or person refuses to pay whatever sum may be charged and due according to the by-laws of the hospital, on account of the support of

such patient therein, or for the removal of any patient whom the trustees are authorized by law to remove, for thirty days after the same has been demanded by the treasurer in writing, of the mayor and aldermen of the city, or of the selectmen of the town, or of the person liable therefor, the same, with interest from the time of such demand, may be recovered for the use of the hospital in an action to be instituted by the district-attorneys, or other prosecuting officers, in the name of the treasurer, against such delinquent city, town, or person.

SECTION 11. The expenses of the hospitals for the support of lunatics not having known settlements in this state, committed thereto, shall be paid quarterly by the Commonwealth at the same rates charged for city and town pauper lunatics therein, but not to exceed the sum of two dollars and sixty-two\* cents per week; and the same may afterwards be recovered, by the treasurer of the Commonwealth, of the lunatics themselves, if of sufficient ability to pay the same, or of any person or kindred obligated by law to maintain them, or of the place of their settlement, if any such is ascertained; and the district-attorneys, or other prosecuting officers, shall institute suits therefor when requested.

SECTION 12. It shall be the official duty of the attorney-general and district-attorneys to advise and consult with the trustees and treasurers of the several state lunatic hospitals, when requested by them, on all questions of law relating to their official business.

SECTION 13. If at any time, all the state lunatic hospitals shall be so full that the inmates cannot all be suitably accommodated therein, and in the opinion of the trustees of either hospital it is proper that some should be removed, the trustees may remove to their respective homes, or to the places of their legal settlement, or of their residence, so many as may be necessary to afford suitable accommodation for the remainder; but only such patients shall be selected for removal as, in the opinion of the trustees and superintendent, are not susceptible of improvement, and can be suitably managed at their homes, or in the places to which they may be sent.

SECTION 14. Any judge of the supreme judicial or superior court, at any term held within and for the county in which either hospital is located, or the judge of the probate court of such county, or the trustees of such hospital may, on application in writing for the discharge from such hospital of any insane person who has remained there a sufficient time to make it appear that he is incurable and not dangerous to the peace and safety of the community, cause him to be delivered to the agents of any place in which he has a legal settlement, or on which he has a legal claim for support, or to his friends, when it appears that it would not be to his injury, and that he would be comfortably and safely provided for by any parent, kindred, friend, master or guardian, place or institution. When application has been made to any judge for the discharge of any insane person, any person interested in said discharge may request a trial upon said application by a jury, and the judge before whom the trial is to be held shall issue a warrant to the sheriff of the county, or his deputy, directing him to summon a jury of six lawful men, to

\* By Ch. 240, § 9, Acts of 1863, reduced to "twenty-five" cents.

hear and determine whether such insane person is incurable, and may be comfortably and safely provided for according to the terms of this section. The proceedings shall be the same in selecting jurors, conducting the trial and allowing the costs, as are provided in sections twelve, thirteen, fourteen, fifteen and sixteen of chapter seventy-three of the General Statutes.

SECTION 15. The several judges of probate in the counties where the state lunatic hospitals are located, shall have the same authority at any time to discharge from confinement lunatics committed to the hospitals, as is conferred upon the trustees and the justices of the supreme judicial and superior courts by the twenty-ninth section of chapter seventy-three of the General Statutes.

SECTION 16. The money and cost of clothing which the trustees of any state lunatic hospital may by law furnish to discharged pauper lunatics, the expense of pursuing such as elope therefrom, and of burial of pauper lunatics dying in the hospitals, shall be reimbursed to the trustees by the places of legal settlement of city and town paupers, and by the Commonwealth in the case of state paupers.

SECTION 17. When a person held in prison on a charge of having committed an indictable offence is not indicted by the grand jury, or, on trial is acquitted by the jury by reason of insanity, the jury in either case shall certify that fact to the court, and thereupon, if the court is satisfied that he is insane, they may order him to be committed to one of the state lunatic hospitals, under such limitations as they may direct.

SECTION 18. The eighth, ninth, tenth, eleventh, nineteenth, twentieth, twenty-first, twenty-second, twenty-third, twenty-fourth, twenty-seventh, twenty-eighth and thirtieth sections of the seventy-third, and the fifteenth section of the one hundred and seventy-first, and the seventeenth section of the one hundred and seventy-second chapters of the General Statutes, are hereby repealed.

[Act of 1863, Chapter 240.]

AN ACT IN RELATION TO STATE CHARITABLE AND CORRECTIONAL INSTITUTIONS.

[SECTION 4.] The board of state charities shall have full power to transfer pauper inmates from one charitable institution or lunatic hospital to another, and for this purpose to grant admittances and discharges to such pauper inmates, but shall have no power to make purchases for the various institutions.

SECTION 9. The expenses of the lunatic hospitals for the support of lunatics not having known settlements in this state, committed thereto, shall be paid by the Commonwealth, at the same rates charged for other lunatics residing therein, not exceeding two dollars and twenty-five cents a week for each lunatic.

## GENERAL LAWS FOR THE GOVERNMENT OF THE STATE LUNATIC HOSPITALS.

[General Statutes, Chapter 73.]

SECTION 1. The government of each of the state lunatic hospitals at Worcester, Taunton, and Northampton, shall be vested in a board of five trustees, appointed and commissioned by the governor with the advice and consent of the council, subject to removal only for sufficient cause. The trustees now in office shall continue to hold their offices until the terms thereof expire, according to the provisions of this section. On the first Wednesday of February in each year, the term of office of the senior member in each board, as they stand arranged on the list of their appointments, shall terminate, and the name of the person appointed to fill the vacancy shall be placed at the bottom of the list, and other vacancies may at any time be filled, and the names of the persons appointed substituted in the list for the remainder of the vacant terms.

SECTION 2. The trustees of each hospital shall be a corporation for the purpose of taking and holding to them and their successors, in trust for the Commonwealth, any grant or devise of lands, and any donation or bequest of money, or other personal property, made for the use of the institution of which they are trustees, and for the purpose of preserving and investing the proceeds thereof in notes or bonds secured by good and sufficient mortgages, or other securities, with all the powers necessary to carry said purposes into effect.

SECTION 3. They shall take charge of the general interests of the institution, and see that its affairs are conducted according to the requirements of the legislature, and the by-laws and regulations which the board shall establish for the internal government and economy thereof; and they shall be reimbursed all expenses incurred in the discharge of their official duties.

SECTION 4. They shall establish by-laws and regulations, with suitable penalties, for the internal government and economy of the institution; shall appoint a superintendent, who shall be a physician, and constantly reside at the hospital; and a treasurer, who shall give bonds for the faithful discharge of his duties; and shall appoint, or make provision in the by-laws for appointing, such officers as in their opinion may be necessary for conducting efficiently and economically the business of the institution; and shall determine, subject to the approval of the governor and council, the salaries of all the officers. All their appointments shall be made in such manner, with such restrictions, and for such terms of time, as the by-laws may prescribe.

SECTION 5. The salaries of the superintendents, assistants, physicians, stewards, and matrons of the state lunatic hospitals shall be paid quarterly from the current receipts of the several hospitals.

SECTION 6. There shall be thorough monthly visitations of each hospital, by two of the trustees thereof, and quarterly by a majority of them, and semi-annually by the whole board, at each of which a written account of the state of the institution shall be drawn up, which shall be presented at the annual meeting to be held between the first and fifteenth days of October.

At the annual meeting, a full and detailed report shall be made, exhibiting a particular statement of the condition of the hospital and all its concerns, with a list of the salaried officers and their salaries, and in a tabular form, under the heads specified in section eleven of chapter five, the value of the stock and supplies, to be laid before the governor and council on or before the fifteenth day of October, for the use of the government; and at the same meeting the treasurer shall present to the trustees his annual report on the finances of the institution; both of which reports shall be made up to the thirtieth day of September inclusive. The trustees shall audit the report of the treasurer, and transmit it with their annual report to the governor and council.

SECTION 7. The accounts and books of the treasurer shall at all times be open to the inspection of the trustees.

[Resolve of 1844, Chapter 78.]

*Resolved*, That the price to be charged for the board of patients at the state lunatic hospital, who are not state paupers, shall in all cases be fixed by the trustees of said hospital: *provided*, that the charge for town paupers shall not exceed the estimated average cost of supporting patients in said hospital.

[General Statutes, Chapter 73 continued.]

SECTION 12. The jurors shall be selected in equal numbers from the place in which the trial is had, and one or two adjoining places, as the judge shall direct; and the same proceedings shall be had in selecting and impanelling the jury as are prescribed in chapter forty-three; provided, that in the counties of Suffolk and Nantucket all the jurors may be taken from the same place.

SECTION 13. The judge shall preside at such trial and administer to the jury an oath faithfully and impartially to try the issue, and the verdict of the jury shall be final on the complaint.

SECTION 14. If by reason of challenges or otherwise, there is not a full jury of the persons summoned, the judge shall cause the officer who served the summons, or in his absence the officer attending the jury, to return suitable persons to supply the deficiency; and shall have the same authority as the supreme judicial court to enforce the attendance of jurors and witnesses, and inflict fines for non-attendance.

SECTION 15. The officer who summons and attends the jury shall receive therefor four cents a mile for all necessary travel, and one dollar and fifty cents for each day that he attends upon them; and the jurors and witnesses shall be entitled to such compensation as is prescribed for jurors and witnesses in the supreme judicial court.

SECTION 16. The expenses of the trial, including the fees of all necessary witnesses, shall be allowed and certified by the judge, and paid out of the county treasury.

SECTION 17. There shall be allowed to each judge of the probate court, for receiving, hearing, and determining every application made to him for the commitment of a lunatic, a fee of two dollars, to be paid out of the county treasury. The judges shall present their accounts for such fees as often as



once in each year, to the county commissioners, who shall audit and allow them if found correct. There shall be allowed to the judge of the probate court for receiving, hearing, and determining, an application for the discharge of a lunatic from either hospital, two dollars, to be paid by the party making the application.

SECTION 18. The superior court may allow to any sheriff, constable, or other person to whom a precept is directed by name, who may commit any person to either hospital, the same fees as are allowed to officers upon the commitment of persons to prison, and such further sums for expenses incurred in said commitments as to the court may seem reasonable; and the sums so allowed shall be made up in the general bill of costs for the term of the court at which the allowance is made.

SECTION 25. Every city and town paying expenses for the support or removal of a lunatic committed to either hospital, shall have like rights and remedies to recover the full amount thereof, with interest and cost, of the place of his settlement, as if such expenses had been incurred in the ordinary support of the lunatic; and the lunatic, if of sufficient ability to pay the same, and any kindred obligated by law to maintain him, shall be liable for all such expenses paid by any city or town in either case.

SECTION 26. The governor may at any time, cause to be removed from one of said hospitals to either of the others, such of the inmates thereof as circumstances or the necessities of the case may in his judgment require.

SECTION 29. Any two trustees of either hospital, or either of the justices of the supreme judicial court or superior court, at any term held within and for the county in which the hospital is located, may on application in writing for that purpose, discharge from confinement, after the cause of such confinement has ceased, any lunatic committed thereto. The trustees may also remove any idiot or other patient to the place where the judge or court committing him shall certify that he resided, when, in their opinion he ceases to be dangerous and is not susceptible of mental improvement by remedial treatment at the hospital, if such place shall not remove him after reasonable notice in writing from the trustees.

SECTION 31. If after the discharge of an incurable lunatic, under the preceding section, it is made to appear on complaint by any person under oath to the judge of the probate court for the county in which the lunatic has his legal settlement or is placed, that he is not comfortably supported, or that the public safety is endangered by him, said judge shall order his recommitment to said hospital. And the same proceedings may be had in determining these questions by a jury, upon the request of any person interested therein, made in writing to said judge, as are provided in the preceding section.

SECTION 32. No pauper shall be discharged from either hospital without suitable clothing; and the trustees may furnish the same at their discretion, together with such sum of money, not exceeding twenty dollars, as they may deem necessary.



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