

FIFTH BIENNIAL REPORT

OF THE

COMMISSIONERS

OF THE

Iowa Hospital for the Insane

AT

INDEPENDENCE.

TO THE

Seventeenth General Assembly.

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DECEMBER, 1877.

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DES MOINES:  
R. P. CLARKSON, STATE PRINTER,  
1877.

## REPORT OF THE COMMISSIONERS.

*To the Honorable, the General Assembly of the State of Iowa:*

The Commissioners appointed by the General Assembly of the State of Iowa to superintend the erection of the Iowa Hospital for the Insane at Independence, would respectfully submit a report of their proceedings since the date of their last report; with a report of the Superintendent of Construction, and the exhibit of the Treasurer of the Board, giving a detailed statement of the expenditures of the appropriation made by the Sixteenth General Assembly.

At the date of their last report, November 1, 1875, the Commissioners reported a balance in their hands of the appropriation of 1874, of \$1,679.12. Of this amount, \$1,538.45 was used to liquidate a claim of W. L. Wilson, of Pennsylvania, that had been standing for three years. The amount claimed by Mr. Wilson, and to recover which he had commenced an action in the Circuit Court of Buchanan County, was \$2,384.78.

Early in the spring of 1876, the commissioners advertised in two newspapers for proposals for furnishing the granite and other materials, and building the outside walls of the basement story of the first two sections of the south wing next to the center building.

A contract was subsequently made with Messrs. Mackay and Lundy, of Independence, to furnish the material and do this work, with the concrete foundations and footing stone, for the sum of \$6,250.00.

As soon as the weather would permit, workmen were employed and the carpenter work in the fourth and fifth stories of the center building was completed, the plumbing finished, and the radiators for heating set in the basement and attachments made with the main steam pipe.

During the summer of 1876, contracts were made with different persons to erect iron stairs in the third and fourth stories, and build an iron water-tank twelve feet high and twelve feet in diameter, in the attic story of the center building; also to complete the stairs leading to the third story and finish the wood-work in the chapel and third story.



This completed the center building, except the portico at the front, which remains unfinished.

Early in the fall of 1876, the wards in the fourth and fifth stories of the center building were furnished and occupied by patients.

The brick for building the inner walls and lining the outside wall of that portion of the south wing commenced, the commissioners concluded to manufacture near the building, and for that purpose purchased the wood and employed laborers.

During the years 1876 and 1877, over 1,250,000 brick were manufactured and used.

The ashlar, caps and sills, for the outside walls were obtained at the quarry of S. James, near Anamosa, and a contract was made with Messrs. Mackay and Lundy to haul the same from the depot and cut them ready for setting, for the sum of \$8,500.00. It became necessary, as winter approached, to put an additional boiler in the boiler-room in order to properly heat the additional wards which had been opened. A contract was entered into with Wm. Marshall, of Dubuque, who for \$1,120.00 made and placed in position a boiler fourteen feet long and four feet in diameter, with twenty-eight four inch flues.

In the spring of 1877, a contract was entered into with the Independence Manufacturing Company, whereby they were to purchase the planer and moulding machine belonging to the hospital for \$650.00, and furnish material and make all the frames, doors and sash for the four wards commenced in the south wing, for the sum of \$2,200.00.

The walls of the first longitudinal section and the adjoining transverse section of the south wing having been completed, it was deemed advisable to use iron, which, owing to the large accumulations of the manufactured product during the period of inflation and now remaining in the hands of the manufacturers to be disposed of at the lower prices of approaching resumption, had fallen more than one-half in price, the commissioners, therefore, to make this wing in a measure fire-proof, concluded to use iron joists in the third story and lay thereon brick arches, which have been leveled up with cement. Iron joists have also been used in all the bath rooms, and the stairs are of iron with slate treads. Wire cloth has been used on the ceilings of the basement and the first and second stories, in place of wood lath. The contract for putting on the roof was let to H. M. Cooley for \$750.00, and the tin roofing and galvanized iron cornice to R. N. Goodson, of Cedar Rapids, for \$2,851.97. The plastering of three wards in the longitudinal section and the attic ward in the transverse section, was let to M. J. Baker for \$2,516.36, who has the work nearly completed.

The air shaft from the fan tower and ventilating pipes from the water closets, as well as the connections with the sewer, have been made. Other small contracts have been let to different persons, all of which have been completed to the satisfaction of the commissioners, and at less cost to the State than could have been done by the day.

Cast-iron radiators, manufactured by A. Y. McDonald, of Dubuque, have been procured and set in place and connected with the main pipe from the boilers; and the unfinished wards have been warmed since cold weather set in.

Owing to the heavy rains during the fall and the delay in plastering, the wards now in process of completion cannot be finished before the first of May next. At that time it will be necessary to furnish these wards, which can be done at an expense of \$5,500.00. And it is of great importance that the General Assembly should at an early date provide means for this purpose, as this will furnish room for seventy-five additional patients and help to relieve the now over-crowded wards of the Hospital at Mt. Pleasant.

The commissioners believe that they have been fortunate in securing and retaining Mr. Geo. Josselyn as their superintendent of construction. His connection with the hospital at Mt. Pleasant during the whole period of its construction, and his supervision of this hospital from its commencement until the present time, have added to his former experience as a builder such special knowledge in respect to the most approved plans of construction, as well as the necessary appointments pertaining to hospitals for the insane, as to greatly facilitate the labor of the commissioners, and in their judgment materially benefit the State.

In his report to the commissioners in 1873, among other recommendations will be found the following, which we think as applicable to-day as then:

"It seems to me it would be great economy to the State if a yearly appropriation could be made until the whole building is completed. There is great loss each time the work stops and hands are discharged, and it is often difficult to get good reliable workmen when they are needed; besides, it is advisable at times to procure material in advance, as for instance, wood for burning brick, which can always be bought cheaper in the winter, and should be kept on hand several months to season. Lumber should always be purchased one year in advance, so as to have it perfectly dry before it goes into a building."

It may be considered a repetition again to call your attention to the



facts set forth at such great length in our last biennial report in regard to the completion at an early day of this hospital. At that time it was thought that there were enough lunatics in the State suffering for want of accommodations to fill this hospital, when completed, to its utmost capacity. And we believe, and think the statistics will bear us out in the assertion, that the number of insane in the State has increased in a greater ratio than the population.

In addition to what the commissioners have deemed it their duty to say in respect to the importance of an early completion of this hospital, they would respectfully call the attention of the members of the General Assembly to the reports of the Visiting Committee, Medical Superintendents and the Superintendent of Construction, each of which will be found to emphasize what they have said upon this subject.

Of the appropriation of \$99,000.00 made by the Sixteenth General Assembly, there has been drawn from the treasury and expended, as will be shown by the report of the Treasurer of this board, \$89,578.61, the balance undrawn, with that in the hands of the Treasurer, we are of the opinion will complete that portion of the south wing commenced.

We estimate the cost of the construction of the two remaining longitudinal and two transverse sections of the south wing according to the plans and specifications adopted, at \$135,000.00. We believe that it would be economy as well as for the best interests of the State, for the General Assembly to make an appropriation of that amount, \$25,000.00, to be expended in 1878, \$50,000.00 in 1879, and the remaining \$60,000.00 to be expended in 1880, to complete the south wing of the hospital.

JOSHUA G. NEWBOLD.

MATURIN L. FISHER.

ERASTUS G. MORGAN.

GEO. W. BEMIS.

*Iowa Hospital for the Insane at Independence, Dec. 1, 1877.*

## TREASURER'S REPORT.

### A DETAILED STATEMENT

*Of the Expenditures from the Balance on hand November 1, 1875.*

1875.		
Nov. 1.	To balance on hand of appropriation of the Fifteenth General Assembly.....	\$1,679.12
Dec. 2.	By cash paid commissioners, secretary and treasurer.....	\$ 104.17
Dec. 2.	By cash paid for blacksmithing.....	4.00
Dec. 2.	By cash paid for railroad freights.....	18.70
Dec. 2.	By cash paid for shellac and varnish.....	13.80
Dec. 2.	By cash paid for terra cotta, sewer and water pipe.....	1,538.45
	Total.....	\$1,679.12—\$1,679.12

### A DETAILED STATEMENT

*Showing Expenditures on Appropriation made by the Sixteenth General Assembly.*

By cash paid for excavation, grading and concrete.....	\$ 986.31
By cash paid for hauling and setting footing stone.....	796.93
By cash paid for granite foundation.....	5,292.42
By cash paid for limestone.....	2,336.23
By cash paid for hauling and cutting limestone.....	8,650.00
By cash paid for manufacture of brick.....	10,545.07
By cash paid for sand.....	708.36
By cash paid for lime.....	1,294.89
By cash paid for mason work.....	11,554.34
By cash paid for lumber.....	4,453.80
By cash paid for carpenter work.....	9,090.92
By cash paid for wire lathing cloth.....	468.02
By cash paid for plastering.....	2,650.67
By cash paid for painting and glazing.....	1,093.45
By cash paid for iron beams and castings.....	2,043.29
By cash paid for heating and plumbing work.....	4,162.28
By cash paid for wrought iron guards, iron sash and registers.....	1,748.18
By cash paid for slate for roofs, floors and stairs.....	1,500.52
By cash paid for galvanized iron cornice and tin roofs.....	2,861.97
By cash paid for steam boiler and water tank.....	1,606.75
By cash paid for railroad freight.....	5,915.99
By cash paid for hardware.....	1,197.77
By cash paid for sewer pipe.....	212.95
By cash paid for blacksmithing.....	245.95
By cash paid for wheelbarrows, with repairs on same, and carts.....	37.59
By cash paid for rope.....	78.12
By cash paid for dumb waiter.....	0.00
By cash paid for advertising.....	5.00



By cash paid for stationery and postage.....	\$	51.93
By cash paid for express.....		24.15
By cash paid for telegrams.....		1.50
By cash paid for furnishing.....		2,339.75
By cash paid for discounting warrants.....		516.67
By cash paid for commissioners, secretary, treasurer, and traveling expenses.		822.04
By cash paid for salary and traveling expenses of supt. of construction.....		3,314.89
Appropriation, Sixteenth General Assemb'y.....	\$99,000.00	\$89,578.61
Balance unexpended.....	9,421.39	-\$99,000.00

There has been received for material and machinery sold, \$1,458.41, of which \$801.35 has been expended and vouchers taken therefor and filed in my office.

There has also been received from interest on state warrants \$171.78.

GEO. W. BEMIS, *Treasurer.*

## REPORT OF THE SUPERINTENDENT OF CONSTRUCTION.

*To the Commissioners of the Iowa Hospital for the Insane, at Independence:*

GENTLEMEN:—I submit to you the following report of the progress of the work done on the Hospital buildings, since my last report, Nov. 1, 1875:

At that time, the three upper stories of the main center building were unfinished; and as the fourth and fifth stories, which were designed for the use of patients, were very much needed, it was concluded to finish them as soon as possible.

The carpenter work was commenced the first of May, 1876, and during the summer and fall, workmen were employed on the plumbing and heating. A water-tank of 12,000 gallons' capacity was placed in the attic story, and connections made to it. An additional boiler was also put into the boiler-room; three boilers not being sufficient to do the work in very cold weather.

The beds, bedding and other necessary furniture required for the two wards, were purchased, and by the last of November patients were moved in.

In April, 1876, proposals were received for excavating for the basement and the trenches for the foundations; also for furnishing the stone for the foundations and basement walls of the first longitudinal and the first transverse sections of the south wing. The contract for excavating and putting in the foundations, was awarded to Mr. J. H. Mackay; the granite work for the basement walls, was given to Messrs. J. H. Mackay and P. Lunday.

On account of the wet weather and very bad condition of the roads, the work was not commenced as early as was expected; so that the basement was not completed until about the first of September.

In the meantime, a contract for furnishing the stone for the ashler, sills, caps, &c., was made with Mr. S. James of Anamosa; the cutting of the same was awarded to Messrs. J. H. Mackay, and P. Lunday, they being the lowest bidders.



The setting of the stone and the brick-work, it was thought best to do by the day, as well as the making of brick on the old yard. This work we commenced as early in the spring as the weather would permit; wood was contracted for, and sufficient brick were made during the season to build the inside basement walls and carry up the whole structure one story; besides having a large kiln left to commence work with the following spring.

During the winter of 1876 and 1877, the stairway in the main center leading from the second to the third story, was finished, as well as the rooms on the third floor. The heating and plumbing work for the third story, was also done in the early part of the winter; so that the main center building was entirely completed, excepting the front portico and steps.

During the past summer we have finished the stone and brick work of the remaining two stories to the longitudinal and transverse sections, commenced the year before; and succeeded in getting the building enclosed by the middle of October. The contract for completing the second and third floors of joists was given to Mr. F. Colahan; the roofing, including the slating, was done by Mr. H. M. Cooley; and the galvanized iron and tin work by Mr. R. Godson.

As the price of iron had very much declined, and could be purchased for less than half what we had to pay in previous years, it was thought best to make the third story and the attic in the mansard part fire-proof, by using iron beams and brick arches. In the attics under the roofs, the arches are levelled up and paved over with brick. On the ceiling of the basement and the first and second floors, wire-cloth has been used, instead of wood lath, which adds very much towards rendering the building fire-proof.

The plastering has been let to Mr. M. J. Baker, and is to be completed ready for the inside woodwork by January.

The job of deafening and grounding the building ready for plastering, was given to Mr. H. A. Cramer.

An air shaft from the fan tower, to supply the new wards has been built; also the sewerage and ventilating pipes from the water closets, have been laid.

We are now at work putting in the heating and plumbing, which it was decided to have done by the day. The cast iron radiators have been procured from Mr. A. Y. McDonald, of Dubuque; the pipe, fittings, &c., from the National Tube Works, of Chicago.

It was thought best to depend entirely upon a downward ventilation

in the winter, instead of an upward, as is the case in the corresponding sections of the north wing; and to do so, air shafts were constructed at different points, to which the downward flues from the rooms are connected. At the base of these shafts steam radiators have been placed, which supply a certain amount of heat, and create a current which takes off the air at the bottom of the rooms, and in that way makes a perfect circulation. We find it to be quite an improvement over the old method, and as soon as a fan can be introduced, so as to give an equal distribution of fresh air to all parts of the building, it will be found to work still more effectually.

In consequence of the prices of material and labor being much lower than when the estimates for these sections of the buildings were made, we have been able to do more work with the appropriation made than was expected. We shall be able to complete the three wards next to the main center, and the ward in the fourth story of the transverse section, ready for furnishing by the first of May. That will leave about one-half of the transverse section enclosed; but as it is part of the next wards, it cannot be used until the next longitudinal section is built.

Very respectfully yours,

GEO. JOSSELYN,

*Superintendent of Construction.*

INDEPENDENCE, *December 1, 1877.*



REPORT  
OF THE  
JOINT COMMITTEE

OF THE  
SEVENTEENTH GENERAL ASSEMBLY,

OF THE  
STATE OF IOWA.

APPOINTED TO VISIT THE  
HOSPITAL FOR THE INSANE

AT  
INDEPENDENCE.

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DES MOINES:  
R. P. CLARKSON, STATE PRINTER.  
1878.