

# TENTH BIENNIAL REPORT

OF THE

Trustees, Superintendent, Steward, Matron, and Treasurer

OF THE

## Iowa Hospital for the Insane

AT INDEPENDENCE.

FOR THE PERIOD ENDING JUNE 30, 1891.

PRINTED BY ORDER OF THE GENERAL ASSEMBLY.

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1891.

IOWA HOSPITAL FOR THE INSANE, }  
INDEPENDENCE, IOWA, August 8, 1891. }

*To his Excellency, HORACE BOIES, Governor of the State of Iowa:*

DEAR SIR—I have the honor to transmit to you on behalf of the Board of Trustees of the Iowa Hospital for the Insane at Independence, their tenth biennial report, together with the report of the Superintendent, Dr. Gershom H. Hill, and of the Steward, Charles L. Thomas, and of the Treasurer, George W. Bemis, for the same period.

I am with respect, your obedient servant,

WILLIAM E. ROSEMOND,  
*Secretary.*

## OFFICERS OF THE HOSPITAL.

### BOARD OF TRUSTEES.

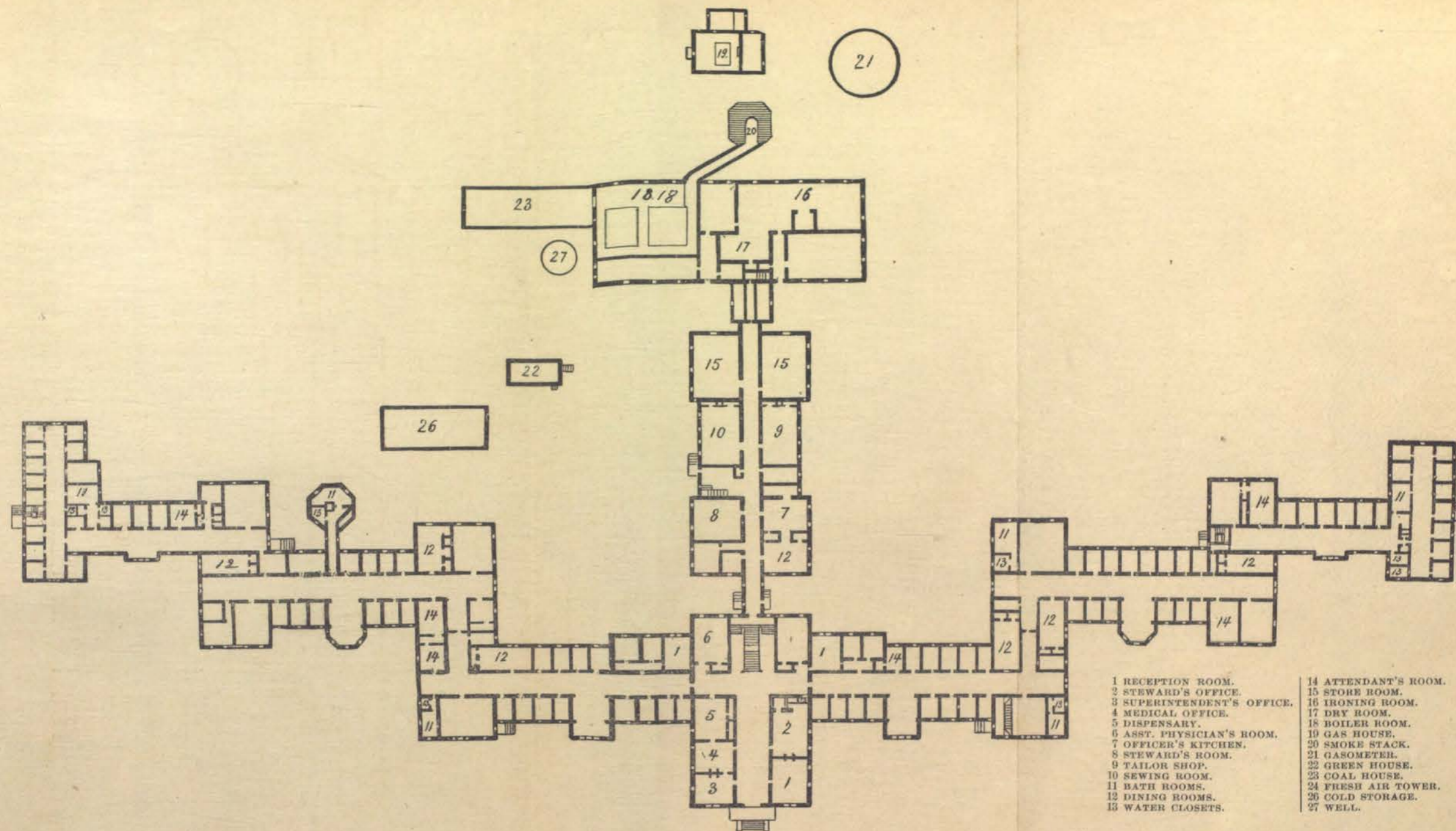
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| JOHN L. WHITLEY, M. D., PRESIDENT, | - - - - - | <i>Osage.</i>        |
| WILLIAM E. ROSEMOND, SECRETARY,    | - - - - - | <i>Independence.</i> |
| R. A. DUNKELBERG, M. D.,           | - - - - - | <i>Denver.</i>       |
| CHARLES W. FILLMORE,               | - - - - - | <i>Peterson.</i>     |
| ALMON G. CASE,                     | - - - - - | <i>Charles City.</i> |

### TREASURER.

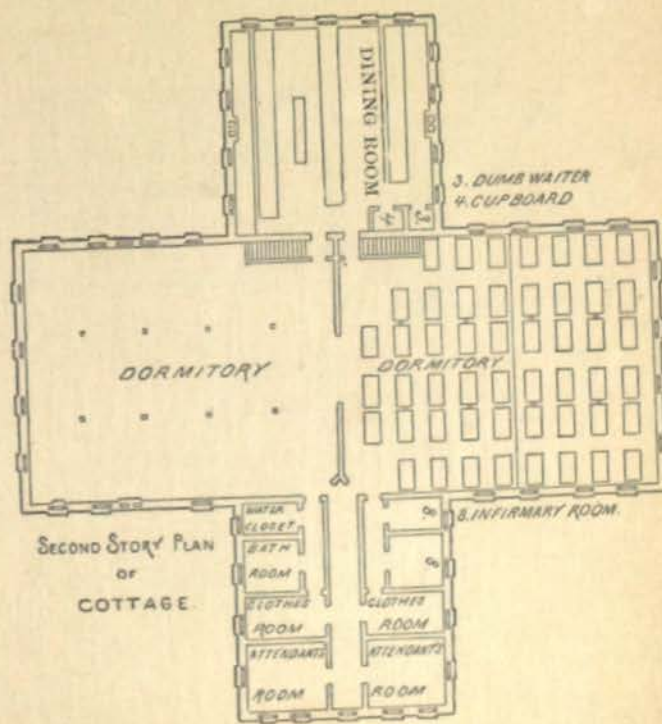
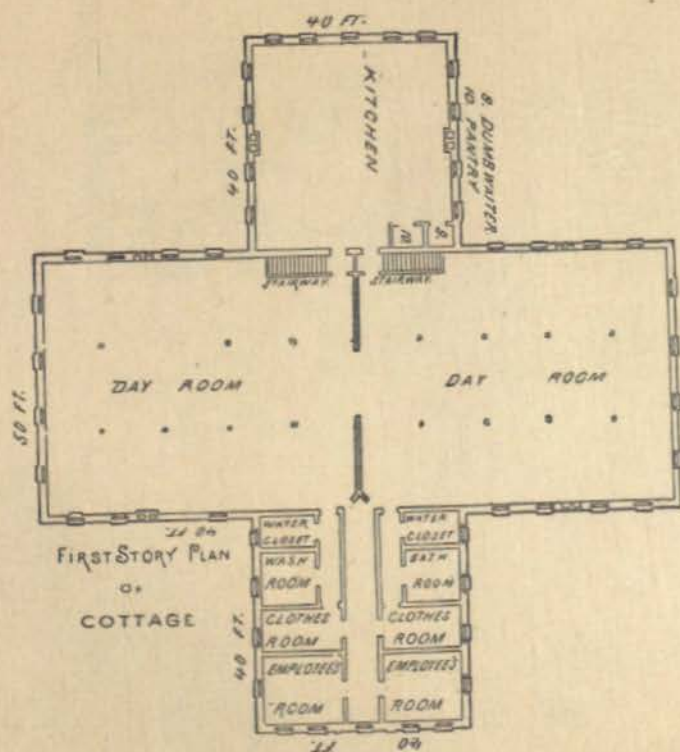
|                  |           |                      |
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| GEORGE W. BEMIS, | - - - - - | <i>Independence.</i> |
|------------------|-----------|----------------------|

### RESIDENT OFFICERS.

|                           |           |                                    |
|---------------------------|-----------|------------------------------------|
| GERSHOM H. HILL, M. D.,   | - - - - - | <i>Superintendent.</i>             |
| M. NELSON VOLDENG, M. D., | - - - - - | <i>First Assistant Physician.</i>  |
| JOHN C. DOOLITTLE, M. D., | - - - - - | <i>Second Assistant Physician.</i> |
| H. WILL BURNARD, M. D.,   | - - - - - | <i>Third Assistant Physician.</i>  |
| CHARLES L. THOMAS,        | - - - - - | <i>Steward.</i>                    |
| LUCY M. GRAY,             | - - - - - | <i>Matron.</i>                     |



THE IOWA HOSPITAL FOR THE INSANE.  
 AT  
 INDEPENDENCE, IOWA.





## TRUSTEES' REPORT.

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To HON. HORACE BOIES, *Governor of Iowa*:

DEAR SIR—The trustees of the hospital for the insane at Independence herewith present their report of the condition of the hospital for the period ending June 30, 1891.

Albert Reynolds, M. D., of Clinton, was a member of this board for eight years, and was re-elected by the last general assembly to serve another term, but resigned on account of the pressing duties of his profession. He was the first superintendent of this hospital, and filled that office most acceptably for more than eight years.

On account of his acquaintance with the institution from its infancy, and a thorough knowledge of its methods of operation he was peculiarly qualified to discharge the duties of a trustee. During the last two years of his membership he served as our secretary.

Your appointment of Hon. Almon G. Case, of Charles City, to fill the vacancy, was a very fortunate one for the institution. Having been one of the building commissioners for years, he was quite familiar with the history of the hospital.

Hon. Lewis H. Smith, who was a member of the board of trustees for twelve years retired by expiration of his term of office, and was succeeded by Charles W. Fillmore, of Peterson.

Dr. Gershom H. Hill, who has been superintendent for ten years, continues to fill the office with usefulness and very great satisfaction.

One year ago Dr. E. B. Thompson resigned, and Dr. M. Nelson Voldeng was promoted to the position of first assistant physician; Dr. John C. Doolittle is second, and Dr. H. Will Burnard third assistant physician.

William C. Hamilton, after serving six months in this biennial period as steward, resigned, and Charles L. Thomas was elected to the office, which he continues to fill.

Mrs. Lucy M. Gray, the Matron, has entered upon her fifteenth year of continuous service, with the esteem of all concerned.

We believe that under the skillful management of Dr. Hill, the superintendent, with the earnest co-operation of his corps of able assistants, this hospital will, in a great measure, fulfill the purpose for which it was created, and continue to prove a great blessing to such of our unfortunate fellow-citizens as may be committed to it for care and treatment. We indorse all the superintendent says concerning the efficiency of the officers and employes.

The population of the hospital has been of late and continues to be larger than ever before, and yet we are glad to say that the patients at the present time are remarkably healthy and comfortable. The food is well cooked and ample in variety; special diet for the sick is prepared for each case with the greatest care; the laundry work, though immense in quantity, is done thoroughly, and with a finish equal to the best; the bed-rooms and halls are kept scrupulously clean at all times; the wards are made as cheerful and home-like as possible; the patients live out of doors as much as the weather will permit, and are given all the freedom their condition will warrant; amusements of various kinds abound, and, in our opinion, the inmates of this institution are securing from day to day as much comfort and contentment as it is possible to bestow with such facilities as we now command.

We are pleased to note that there have been but few escapes, and but infrequent complaints made by the patients during the last two years.

Without wishing to flatter, we would say that with the management of this institution by Dr. Hill we are well pleased; believing that as year after year is added to his already extended experience he will more ably perform the arduous duties put upon him, and we feel it is but just to say that he has at all times carried on the affairs of the hospital to our entire satisfaction; he is ever diligent and watchful, working in the interest of his patients and the state.

The care of the farm has been good under the present steward. Besides raising enough hogs to supply the hospital family with pork and lard, he has sold \$3,000 worth during the period, and has on hand a carload nearly ready for the market, together with over two hundred growing pigs.

Considering the fact that large herds of swine are fattened each year by feeding but very little corn, we regard this policy as good and economical.

For particulars concerning the population, the workings of the hospital, the appropriations expended and desired, the current expenses, the crops raised and the condition of all accounts, we refer you to the statements of the superintendent, steward and treasurer.

Very respectfully submitted,

JOHN L. WHITLEY,  
WILLIAM E. ROSEMOND,  
R. A. DUNKELBERG,  
CHARLES W. FILLMORE,  
ALMON G. CASE,

*Trustees.*

## SUPERINTENDENT'S REPORT.

### *To the Board of Trustees:*

GENTLEMEN:—In conformity to law, I submit for your consideration this the tenth biennial report of the hospital.

At the beginning of the period there were three hundred and ninety-six male patients, and three hundred and seventy female patients, making a total of seven hundred and sixty-six.

There were admitted during the period three hundred and twenty-eight men, and two hundred and eighty-nine women, a total of six hundred and seventeen patients. By adding the number at the outset to the number received, we get the whole number treated during the biennial period, which was thirteen hundred and eighty-three.

The average number of patients in the hospital was eight hundred for the first year, and eight hundred and twenty for the second year of the period.

There were forty-four vacancies here two years ago, but the increase in population was fifty-nine the first, and eight the second year of the period; this disparity is due to the fact that the wards have been more than full during the past year. When we have room to grow, the natural increase in the number of patients is at the rate of about one hundred for each biennial period.

When the commissioners of insanity of the various counties ask permission to send recent and promising cases, or insane persons who are unmanageable at home to the hospital, we always grant their request.

If, however, the commissioners know that the hospital is full, and that chronic cases are from time to time discharged by the trustees of the institution, they consign some similar cases back to the care of relatives, or send them to the poor house.

For this reason fifty-one more patients were admitted the first year than the second year of the period.

The capacity of the hospital is eight hundred. At the end of June there were eight hundred and thirty-three patients.

During the time for which this report is made there were discharged five hundred and fifty patients, of whom two hundred and eleven recovered, one hundred and sixty-one were improved, twenty-nine were unimproved and one hundred and forty-nine died.

The whole number of persons who have been treated in this hospital since it was opened on the first day of May, 1873, is four thousand and sixty-four, but on account of the readmission of seven hundred and six of these persons one or more times, the hospital records state that five thousand and fourteen cases have been received into the hospital up to the end of this period.

The prevailing age of patients at the time of admission is between twenty and thirty, but as this state grows older, and as the confidence of the public in the hospital increases, the number of patients who are over seventy years of age becomes greater.

During the last five biennial periods the number of persons over seventy who have been admitted run thus: ten, fourteen, sixteen, twenty-four, twenty-seven.

The insanity in most all of these cases is due to senile decay; they are not easily cared for at home, and seldom live many months after reaching the hospital.

### PROGNOSIS IN INSANITY.

Many believe that insanity chiefly due to heredity cannot be cured.

Of course this tendency cannot be eradicated; such pre-disposition is a permanent factor. Cases of hereditary insanity may recover, but they are in danger of repeated attacks, and finally become permanently insane.

Persons who lose their reason before fifteen years of age, and before the brain is fully developed, are not likely to be restored. On the other hand, persons becoming deranged for the first time after sixty years of age do not often make a complete recovery.

Those who naturally have vigorous bodies and well balanced minds are more likely to be cured than invalids or imbeciles. Recovery is more likely to follow the first than the second attack; each time the prospect becomes poorer.

Furthermore, the question of recovery depends upon the length of time the mind has been affected.

Alienists arbitrarily declare that cases of less than one year's duration are acute, and that cases of more than one year's standing are chronic.

The latter seldom make a complete recovery. In determining the prognosis the form of insanity should be kept in mind. Cases of melancholia or simple mania, are most promising; while those of monomania, general paresis, epileptic insanity and dementia are not likely to recover. The prospect of cure also depends somewhat on the judicious management of the case, and not a little upon a fair prospect for usefulness, comfort and happiness in one's future life.

#### NATIVITY OF PATIENTS.

The proportion of patients who were born in Iowa is increasing from year to year, and already the number is larger than from any other state. The table in this report gives the following figures: Iowa, seven hundred and eighty-one; New York, five hundred and thirty-eight; Pennsylvania, three hundred and thirty-four; Ohio, three hundred and thirty-nine; Illinois, three hundred and four; Wisconsin, one hundred and eighty; Massachusetts, one hundred and one.

The countries which furnish the most foreign born patients are: Germany, six hundred and ninety-five; Ireland, three hundred and seventy-two; Scandinavia, three hundred and thirty; England, one hundred and seventy-one, and Canada, one hundred and fifty-six.

During the last biennial period we have for the first time recorded the nativity of the parents of our patients.

In three hundred and thirteen cases both parents were foreign born, in twenty-three cases one parent was born in the United States, in two hundred and fourteen cases both parents were born in the United States, and in sixty-seven cases the nativity was not learned.

#### FEEBLE-MINDED PATIENTS.

During the last two years three persons have been sent directly to this hospital from the Institution for the Feeble-Minded, at Glenwood. Application for the admission of as many more persons who have been inmates in that institution, but have been sent home, was made by the commissioners of insanity. They were refused admission on account of the crowded condition of the hospital. In my opinion, Iowa should be supplied with a large farm containing custodial buildings for the feeble minded persons who outgrow the

institutions where the young are sent for development and industrial training.

The hospitals for the insane have no room for such cases; they are becoming numerous, and can best be cared for in quarters provided expressly for them.

#### STATE PATIENTS.

The Code of Iowa declares "that patients in the hospital having "no legal settlement in the state, or whose legal settlement can "not be ascertained, shall be supported at the expense of the state."

The number of patients of this kind is increasing from year to year. In January, 1875, three men charged to the state were transferred from the Mt. Pleasant hospital to this institution. One of these has been discharged, one died here and one still remains.

In July, 1878, eighteen more men charged to the state were brought from Mt. Pleasant to Independence. Of these men, one was discharged, one is still here, seven died, and the other half of the number, after a residence here of more than ten years, were sent to the new hospital, at Clarinda. From time to time such patients are sent from the various counties to each of the hospitals. They are usually men. When the hospital at Clarinda was opened in December, 1888, and this one had been in operation over fifteen years, we had accumulated almost one hundred state patients. Of these, forty-seven were sent to Clarinda. At the present time there are nearly one hundred such patients each at Mt. Pleasant and Clarinda, besides sixty-five in this hospital. Thirteen per cent of the whole population in these three hospitals are state patients.

According to law the trustees of the hospital can order the county authorities to remove "incurable and harmless patients" when the institution becomes crowded, but there is no way of getting rid of these state patients unless they recover or are taken away by relatives.

The superintendent is governed in charging the board of patients to counties or to the state at large by the declaration made by the commissioners of insanity in the "Warrant of Admission."

It may be of interest to give brief histories of a few cases to show why they are charged to the state instead of the counties from which they are sent.

No. 4767, man; born in Illinois; thirty-four years old; has good common school education; a Wesleyan Methodist; his father is a minister and moved from place to place every few years; the patient

has been occupied most of the time since his majority in working by the month for farmers.

At twenty-one years of age he was sent to the hospital for the insane at Elgin, Illinois, where he remained seven months. Four years later, after his father had removed to Wisconsin, he was again adjudged insane and placed in the hospital at Madison, where he was treated twelve months.

Then he went with his sisters to Colorado; three of the nine months he lived in this new state he was confined in a hospital at Denver.

When he returned to his father's home he was taken to the hospital at Madison the second time. Upon his discharge in the spring of 1889, he went to live with a brother and among other relatives in Minnesota. Early in 1890 he came to work for a cousin in Winnebago county, Iowa. The same season he also worked for farmers in Hancock and Kossuth counties.

About Christmas time he was discovered wandering upon the prairies, and was sent to this hospital by the commissioners of insanity of Kossuth county, who declared that his legal settlement is unknown. The young man is probably permanently insane; his relatives will not remove him from the hospital, and they maintain that his home is as much in this state as in any other. He is likely to live a great many years, but is unfit to take care of himself.

What shall we do with him? His intervals of sanity have probably been sufficiently lucid to enable him to gain a residence in Minnesota, and at last in Iowa.

No. 4,723, female; born in Iowa; age twenty; wife of a merchant; no children. Admitted to the hospital last year, and recovered after a few months treatment.

This case illustrates a number of state patients, in that she had spent most of her life in Iowa, but left the state when she was married, but was brought to the home of her parents when she showed signs of mental derangement. She soon became too disorderly to be cared for by relatives, so was adjudged insane and sent to this hospital, although her residence was in a distant state. The palliating circumstance in this case was the fact that her husband was able to, and did, pay her board.

When persons get sick or insane it is not unusual for them to return to their old homes; if, however, they are sent to the hospital for the insane, their board is charged to the state at large if they have no legal settlement in any county in the state of Iowa.

No. 4,495, born in Moravia; aged forty-six; married; clergyman; admitted to the hospital in a restless and confused condition in October, 1889.

He had been in this country but three months, and in this state but four weeks. He was unsound, and unfit to continue his vocation when he left his native land, his wife and his seven children.

He came to a cousin in Iowa, who did not expect him, and is a man of scanty means. The patient could not return to Europe alone, and was hardly fit to make the journey then, even in the care of an attendant. After being treated nearly a year, he improved in health and habits, but not in mental condition.

It was believed that he was incurable, so at much expense to the state, and with no little trouble in obtaining transportation in New York City he was returned to his distant home. Not a few foreigners are sent to the hospital for the insane soon after their arrival in this country, as state patients.

#### COST OF BOARD.

For the care and treatment of patients in this hospital during the last biennial period, the cost was \$14 per month for five quarters, and \$12 per month for three quarters, making an average of \$13.25 per month, or at the rate of 44 cents per day.

This is a very moderate expense when all that is furnished, and all that is done to promote the comfort and recovery of patients is taken into consideration.

#### MAINTENANCE OF PATIENTS.

The patients in this hospital are supported in four ways. The board of a *few* is paid at the hospital in advance; of *others*, the price is paid by the relatives or guardians at the end of each quarter, or after the patient has been discharged from the hospital, to the county treasurer; the cost of treating *most* of the patients in the hospital is paid out of the county treasury into the state treasury; however, there are *many* state patients in the hospital whose expenses are paid directly from the state treasury. The current expenses of the hospital are met by requisitions upon the state treasury, which are made quarterly.

#### INCREASED PROVISION FOR THE INSANE.

I believe it is the duty of the board of trustees of this hospital to again urge upon the legislature the rightfulness and the necessity

of making provision for all the insane who can not best be cared for in their own homes, in state hospitals.

Those who make the care of the insane a study should not encourage the erection of county asylums, nor should the trustees make use of the law which enables them to relieve the crowded condition of the hospital by compelling county authorities to remove chronic cases, if they can possibly avoid it.

In Illinois, New York and many other states where the experiment of keeping the insane in county institutions has been thoroughly tried, the conclusion is reached that the method is altogether unsatisfactory and must be abandoned.

The people of this state do not know to what extent insane persons are kept in county poor-houses, nor how deplorable their condition is, because the law does not provide for the visitation of county establishments by persons qualified to determine what and how much should be done to promote the comfort and happiness of the insane.

Some persons in every community, who do not happen to have any relatives who are insane and have not had opportunity to investigate this question from a humane standpoint, jump at the conclusion that if the insane require permanent care at the expense of the county, and if competent judges are of the opinion that the unsoundness cannot be cured, then the expense of treatment should be reduced to a minimum, that food and shelter are all their condition requires.

Some county supervisors, and some who share in forming the policy of state affairs believe that the cheapest management is the best.

In public business they practice poor economy. They do not appreciate all the factors which enter into the problem of proper care for dependent persons. It should be understood and remembered that insane persons are not paupers, and never can be properly cared for as such.

They require trained and well paid attendants; their physical and mental condition should be watched by an experienced physician; they must be classified according to habits, in buildings adapted to their peculiar needs; without skillful and constant care demented persons lapse into a state of degradation and misery.

We would earnestly recommend that the wing for females of the hospital at Clarinda be finished and occupied as soon as possible; second that a cottage for the accommodation of one hundred insane women be erected on the grounds of this institution next year; and

third, that an appropriation be made, and that commissioners be appointed by the twenty-fourth general assembly, to locate, adopt plans, and proceed to erect a hospital for the insane for the accommodation of northwestern Iowa.

#### STATE HOSPITAL FOR EPILEPTICS.

It is generally understood that chronic epilepsy is incurable; nevertheless, this disease demands treatment. Small fortunes are sometimes expended in paying traveling doctors their fees, and in payment for medicines which are advertised in the newspapers as a sure cure for "falling sickness."

I would recommend the establishment of such an institution in Iowa as soon as practicable. Some states already have them, and physicians in other states are advocating this method of caring for epileptics.

Such a hospital should consist in a system of cottages, not alone for epileptics who are insane, but for children who need special care as well as treatment; they should be separated from other children in their homes and at school. Such an institution should also provide for adults, who, on account of their infirmity and spasmodic attacks, are unfit to be in business, or to frequent the thoroughfares, or to mingle freely in society.

By such an arrangement a perfect classification could be made. The most approved surgical operations could be afforded, pay patients could have special apartments, stable and capable epileptics could be placed together, and isolated from others who have become almost totally demented, and to a great extent helpless.

Thus the institution for the feeble-minded and the hospitals for the insane could be relieved of a large number with advantage to these establishments as well as to the epileptics themselves.

#### WATER SUPPLY.

An ample water supply is of prime importance to a hospital. If the number of patients is large the quantity of water required is great, consequently a scarcity of this all important cleansing liquid at any time or all time not only causes embarrassment in the work, but imperils the health of the institution. The sanitary condition of the hospital is also dependent upon the quality of the water.

The city of Independence delivers in the tanks at the top of our administration building an abundance of excellent water. We are spared all the trouble and expense of filtering and distributing it.

The water is always tasteless, colorless, odorless and otherwise pure (no lead pipe is used anywhere about the establishment), it is cool as well water when drawn from any of the cold water faucets, so is at hand for drinking as well as other purposes.

This water received from the city is also used at the barns, the stock yard and the slaughter house. To a limited extent it is used to sprinkle the lawns.

Probably no institution has better protection against fire.

The price is seven cents for each one thousand gallons with no charge for what is required to extinguish fires.

#### APPROPRIATIONS RECEIVED.

The twenty-third general assembly made appropriations to this hospital as follows:

|                                      |             |
|--------------------------------------|-------------|
| For repairs and contingent fund..... | \$ 6,000.00 |
| For a coal house.....                | 3,000.00    |
| For a passenger elevator.....        | 6,500.00    |
| For conservatory.....                | 2,000.00    |
| For improvement of grounds.....      | 2,000.00    |
| For tile to drain farm land.....     | 500.00      |

The repair and contingent fund is used from time to time to make repairs which are unusual and involve a considerable outlay.

It is also important to have at command such a fund to meet unforeseen expenses.

During the last two years this money was used in paying for the labor of transferring bodies from the old cemetery, near the buildings, to a new location one mile away on land recently added to the hospital farm.

This change was necessitated by the improvement of the grounds in accordance with permanent plans.

This fund was also used in repairing the engine; in renewing pavements in the kitchens and some of the bath rooms; in painting tin roofs and gutters, also the window frames, sashes and guards; in varnishing and coloring some of the walls and ceilings; in relaying a few hard pine floors in the wards; in renewing some of the radiators; in replacing the old slaughter-house, which was accidentally burned, with a temporary structure; in refitting the cold storage building, and in the purchase of a railroad water tank to enable us to distribute from drive well points with a large windmill already on hand, water to the barns, garden and lawns.

The appropriation was so made that only half of it could be used in 1890, and the last one-fourth can not be used until after October

15, 1891, consequently most of the improvements can not be finished until after the end of the period for which this report is made.

The stone foundation of the new coal house is in, the brick walls will soon be erected, and it is hoped that the corrugated iron roof will be put on so that we may be able to fill the building with a supply of coal for winter in September.

In the planning and the construction of this hospital no provision was anywhere made for a passenger elevator, so a tower of brick and dressed limestone is now being erected in an outside angle of the building between the offices and the amusement hall.

These walls are nearly up, and the machinery has been bought of the Hale Elevator Co.

It is expected that this improvement will be ready for use soon, and that it will prove a great convenience in carrying female patients to the fourth and fifth story wards.

The outside of this elevator tower will also have attached to it iron stairs from the top to the ground to be used as a fire escape.

Plans are being perfected for the conservatory for flowers; it will be located in front and to the south of the wing of the hospital occupied by female patients.

This house has long been needed for the storage and propagation of plants in winter. It will also be a pleasant place for patients to visit during the long inclement months of each year. We hope to have the conservatory ready for use before cold weather comes again.

Two years ago J. Weidemann, of New York City, furnished the hospital with plans for the permanent improvement of the grounds. The one hundred and sixty acres of the farm, which contain all the buildings proper, have been laid out in a park-like manner as pleasure and exercise grounds for the patients. Most of this space lies in front of the hospital; the surface is gently undulating and well adapted to this use.

The money already appropriated is being expended in draining, making gravel and cement walks, in macadamized drives, in planting trees and in constructing a few summer-houses. Work was begun on the south side, and will be continued toward the north line of the grounds until the plans are fully completed.

With the small fund given for tile, considerable farm land has been drained and made much more productive.

## APPROPRIATIONS DESIRED.

|  |           |
|--|-----------|
| For tile to drain farm.....            | \$ 500.00 |
| For improving the grounds.....         | 2,000.00  |
| For a permanent slaughter house.....   | 2,000.00  |
| For a paint and blacksmith shop.....   | 3,000.00  |
| For enlarging the cow barn.....        | 1,500.00  |
| For an electric light system.....      | 10,000.00 |
| For repair and contingent fund.....    | 10,000.00 |
| For a cottage for female patients..... | 50,000.00 |

## DRAIN TILE.

There is much low land on the hospital farm, and none of it has been underdrained until lately. It is good economy to buy and lay tile from year to year, until every acre of the farm is fully subdued and brought into a high state of cultivation.

The work of digging and filling the ditches is done by male patients.

## IMPROVING THE GROUNDS.

Dr. Fisher, of Boston, says: "Life in the open air, with properly regulated combination of work, exercise and amusement, is the most important element in the treatment of all forms of insanity. All except the physically disabled and sick should have 'at least a prolonged airing twice a day.' It should be remembered that the hospital family numbers nearly one thousand persons. Outdoor life will prove most beneficial to the patients if they are segregated, each ward in a company by itself.

Thus order is preserved, each patient is encouraged to exercise self control and act like a sane person. Furthermore, a goodly space for each sex must be reserved for convalescent patients who are out on parol.

The pleasure grounds need not only to be spacious but attractive, supplied with numerous dry, clean walks and suitable resorts; they should contain shrubs, flowers, numerous seats, abundant shade convenient shelter from the wind or a passing shower.

These grounds must be fitted not only for summer but for winter use, and I am sure that \$1,000 a year is not too much for this purpose.

## SLAUGHTER HOUSE.

When the hospital was first opened and small, the cemetery and the slaughter house were located on opposite sides of the institution, but near at hand.

The slaughter house, together with a stock yard, still remains in the vicinity of the cottages, and according to plan the location must now be changed to a more remote part of the farm. The structure now serving in this department, although important and in constant use, is inadequate.

## PAINT AND BLACKSMITH SHOP.

A two-story brick, fire proof building is much needed for these shops. In conjunction with the plumbing and other work done in the engineer's department a blacksmith shop is both convenient and economical. If obliged to take all jobs in this line into town, mistakes and delays are liable to occur. With a convenient shop at hand the repair of wagons and farming implements will be facilitated. Besides, it may be practicable during the winter to do the horseshoeing here.

Furthermore, in a large establishment like this hospital a suitable place for the storage of iron material is quite indispensable. The first story would be used for blacksmithing, and the second for painting. Now the turpentine, the oils, and the varnishes are kept in the basement of the hospital. They are combustible and should be stored in a detached building. Again, painting can not be rapidly and well done in a place that is dusty and poorly lighted.

## ENLARGEMENT OF COW BARN.

Six years ago a good large cow barn was built costing three thousand dollars. It accommodates sixty cows and two hundred tons of hay. It is in good repair and all right in every respect, except that it is not large enough. We still stack about one hundred tons of hay and much straw outside; this is poor economy.

We are milking more than sixty cows, and we believe it would be better for the patients on every account if we gave them all the milk of ninety cows throughout the entire year.

## ELECTRIC LIGHTING.

We renew and emphasize the request made two years ago that the legislature give this hospital an appropriation sufficient to buy first-class adequate machinery for an independent system of electric lights. The institution can thus be lighted more economically and much more satisfactorily.

The arguments in favor of making this improvement are too numerous and patent to require enumeration here.

## APPROPRIATIONS DESIRED.

|  |           |
|--|-----------|
| For tile to drain farm.....            | \$ 500.00 |
| For improving the grounds.....         | 2,000.00  |
| For a permanent slaughter house.....   | 2,000.00  |
| For a paint and blacksmith shop.....   | 3,000.00  |
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| For an electric light system.....      | 10,000.00 |
| For repair and contingent fund.....    | 10,000.00 |
| For a cottage for female patients..... | 50,000.00 |

## DRAIN TILE.

There is much low land on the hospital farm, and none of it has been underdrained until lately. It is good economy to buy and lay tile from year to year, until every acre of the farm is fully subdued and brought into a high state of cultivation.

The work of digging and filling the ditches is done by male patients.

## IMPROVING THE GROUNDS.

Dr. Fisher, of Boston, says: "Life in the open air, with properly regulated combination of work, exercise and amusement, is the most important element in the treatment of all forms of insanity. All except the physically disabled and sick should have at least a prolonged airing twice a day." It should be remembered that the hospital family numbers nearly one thousand persons. Outdoor life will prove most beneficial to the patients if they are segregated, each ward in a company by itself.

Thus order is preserved, each patient is encouraged to exercise self control and act like a sane person. Furthermore, a goodly space for each sex must be reserved for convalescent patients who are out on parol.

The pleasure grounds need not only to be spacious but attractive, supplied with numerous dry, clean walks and suitable resorts; they should contain shrubs, flowers, numerous seats, abundant shade convenient shelter from the wind or a passing shower.

These grounds must be fitted not only for summer but for winter use, and I am sure that \$1,000 a year is not too much for this purpose.

## SLAUGHTER HOUSE.

When the hospital was first opened and small, the cemetery and the slaughter house were located on opposite sides of the institution, but near at hand.

The slaughter house, together with a stock yard, still remains in the vicinity of the cottages, and according to plan the location must now be changed to a more remote part of the farm. The structure now serving in this department, although important and in constant use, is inadequate.

## PAINT AND BLACKSMITH SHOP.

A two-story brick, fire proof building is much needed for these shops. In conjunction with the plumbing and other work done in the engineer's department a blacksmith shop is both convenient and economical. If obliged to take all jobs in this line into town, mistakes and delays are liable to occur. With a convenient shop at hand the repair of wagons and farming implements will be facilitated. Besides, it may be practicable during the winter to do the horseshoeing here.

Furthermore, in a large establishment like this hospital a suitable place for the storage of iron material is quite indispensable. The first story would be used for blacksmithing, and the second for painting. Now the turpentine, the oils, and the varnishes are kept in the basement of the hospital. They are combustible and should be stored in a detached building. Again, painting can not be rapidly and well done in a place that is dusty and poorly lighted.

## ENLARGEMENT OF COW BARN.

Six years ago a good large cow barn was built costing three thousand dollars. It accommodates sixty cows and two hundred tons of hay. It is in good repair and all right in every respect, except that it is not large enough. We still stack about one hundred tons of hay and much straw outside; this is poor economy.

We are milking more than sixty cows, and we believe it would be better for the patients on every account if we gave them all the milk of ninety cows throughout the entire year.

## ELECTRIC LIGHTING.

We renew and emphasize the request made two years ago that the legislature give this hospital an appropriation sufficient to buy first-class adequate machinery for an independent system of electric lights. The institution can thus be lighted more economically and much more satisfactorily.

The arguments in favor of making this improvement are too numerous and patent to require enumeration here.

## REPAIR AND CONTINGENT FUND.

Some of the repairs which need to be made next season and paid for out of this fund are, to relay the pavement floors in seven bath rooms, and a few water closets; to relay the hard pine floors in four corridors; to fresco the walls and ceilings of the halls in three stories of the administration building; to replace with new and better ones, many of the indirect steam radiators; to repaint the barns and other exposed wood work.

A steam boiler or a hot water tank, or one of the kitchen ranges is liable to become disabled during the period; other unforeseen contingencies of one kind or another present themselves from time to time, and will be paid for out of this fund.

## COTTAGE FOR FEMALE PATIENTS.

In no other way can the legislature make provisions for one hundred insane persons more quickly, more economically and more satisfactorily than by appropriating the money asked to build a cottage for this hospital. The members of the medical staff, the trustees and the visiting committee are agreed that this cottage is needed here. The two cottages we have are located in the rear, but beyond the wing of the hospital which is occupied by men, and contain male patients. They are so well adapted to the requirements of a selected class of patients and so satisfactory in all respects that we are anxious to secure a similar structure for the accommodation of female patients. With it, the management of the women will be made perfect; without it, there are certain female patients who cannot be furnished with such places in the wards as their condition requires.

## QUALIFICATIONS FOR OFFICERS.

In order to make a good doctor, or steward, or matron, in the hospital, one should enjoy excellent health, possess an even temper and a patient disposition. A person so employed should be neat and methodical, also exemplary in all other respects. Officers should be good judges of human nature in order to manage well not only patients but employes. They should be ever vigilant and abundant in resources. By moral suasion they may compose restless or excited patients, stimulate the listless and careless, cheer the despondent. In addition to the duties which naturally fall to each officer, all are obliged to assist in numerous games and entertainments, also in devising employment for patients.

The confidence of patients must be gained, their hope inspired, and the minds of relatives pacified.

Hospital work is confining, monotonous, and depressing.

## INTERNES.

All general hospitals in large cities have medical assistants who are called internes.

They are graduates in medicine, but without experience as practicing physicians. Besides board they receive little or no compensation, but for a term of a year or eighteen months assist in the care of patients, witness medical examinations and surgical operations, systematically record histories and symptoms, they attend the autopsies, learn the results of treatment, and remain constantly in the hospital for the sake of acquiring valuable experience.

Now that this hospital has become so populous, the attention required by patients and attendants, from members of the medical staff, is constant and great.

Very seldom do doctors who have entered upon the practice of medicine and gathered a patronage care to give up such business and take a position in a hospital for the insane. Again, it is inconvenient to furnish quarters in the hospital for physicians who have families.

There are many reasons why it is advantageous to take one or two young physicians at a time, just out of college, who desire to enter hospital work, and seem to be adapted, and try them for a year. The experience they get here will not be as useful in general practice as that gained in a general hospital, and yet if they make the most of the clinical opportunities afforded, they will be greatly benefited. If they enjoy the work and succeed well in it they will have an acquaintance and be ready to be elected to the office of assistant physician whenever a vacancy occurs in the staff.

Without any internes, the experienced and efficient physicians may keep the work well in hand, but are kept so thoroughly busy with routine and clerical duties that they find scarcely any time to read medical books and journals, to work in the pathological laboratory or to write papers on professional subjects.

## PATHOLOGICAL LABORATORY.

Although this hospital is not supplied with many expensive instruments and all the latest facilities for doing pathological work, yet we continue the custom of making a post mortem examination

in almost every case of death, and mount, for microscopic study, sections of diseased organs and tissues. Our collection of interesting slides is large and very valuable.

In my opinion it would be an advantage to the hospitals for the insane if the instructor in pathology for the medical department of the State University would co-operate with and assist us in this line of investigation.

#### ATTENDANTS, NURSES AND NIGHT WATCHERS.

Attendants, as the name implies, are the persons who serve as the companions for the patients; they have the care not only of the patients, but of the wards which they occupy.

They call the patients in the morning; when necessary, assist them in dressing and in preparing for meals; they serve the food, take charge of the bathing, encourage the patients to do various kinds of work and to behave in a reasonable manner. The nurses are attendants who are well qualified to care for the sick; they serve both during the day and at night in the infirmary wards caring for patients who are confined to their beds, also in ministering to the wants of the feeble and the aged.

The night watchers go from ward to ward, while the attendants are asleep, wait upon the patients when necessary, make a record of their condition and behavior from hour to hour.

The supervisors are chiefs of the attendants, one for each sex.

They take charge of patients who are admitted into the hospital, and get patients ready to go home. They look after their clothing, transfer them from one ward to another, and administer most of the medicine. If we call all of the persons whose duties have been described, attendants, and include two attendants who work patients out of doors, then we have thirty-two male and forty female attendants; which is an average of one attendant to fourteen male, and one to ten female patients.

A larger proportion of female attendants is required, for two reasons: The women are more difficult to care for than the men, and are not nearly so well classified.

In the cottages there are only ten attendants for two hundred male patients, or one attendant for twenty patients.

During the last two years, I have employed on an average one new attendant every week. I seldom take any one who has served in another hospital, consequently they are inexperienced persons and must be educated for this confining and peculiar work.

#### TRAINING SCHOOL FOR ATTENDANTS.

According to my purpose stated in the last biennial report, a training school was begun in this hospital on the 29th of October, 1889, and continued until the first of April.

On Tuesday evening of each week, the superintendent spent an hour explaining to the attendants when and how the hospital was established, how it is governed and how supported.

The reasons for committing persons to the care of the institution were stated, also the obligations of all the employes to the patients, to the relatives of patients, to the public, to each other, and to the officers of the hospital. The sacredness of the trust imposed and the honorableness of the vocation, of attendants upon the insane, were emphasized.

The lectures by the superintendent last winter were upon medicines, their general properties, methods of administration and their effects; how to manage and how to improve the mental condition of patients; definitions and illustrations of illusions, delusions hallucinations and other symptoms of insanity, the different kinds of insanity, and concerning the classification of patients in the hospital.

At the same time the first assistant physician delivered illustrated lectures on anatomy, physiology and hygiene. Text-books on physiology, on general nursing and on the care of the insane are used.

Clinical instruction is being given as opportunity presents, by each member of the medical staff on how to use the fever thermometer; how to count the pulse and respirations; how to observe accurately and scientifically excretions, eruptions, and various symptoms of disease; when, how and why to use disinfectants and antiseptics; how to dress sores and wounds; how to apply bandages; concerning massage, baths, ventilation of sick rooms, special diet, the use of stimulants, how to use artificial respiration and what to do in various emergencies. In general terms, the six winter months are given to lectures and study, the six summer months to clinical instruction in nursing.

Two years' service in this hospital, the faithful attendance upon two courses of lectures and passing a creditable examination in the contents of the three text-books, entitle an attendant to a diploma.

It is expected that several attendants will graduate next April.

The primary object of this school is to make good attendants, and thus benefit the patients. A secondary consideration is to acquire knowledge and skill that will prove useful to the attendant

all through life; another aim is to supply the state of Iowa with responsible persons, of both sexes, who can be employed as attendants or companions for the insane, when relatives prefer to have them kept and treated at home.

When attendants are members of a school they feel that they have entered a special calling which requires education; that they are engaged in a vocation which does not consist chiefly in drudgery or in ministering solely to the bodily comfort of their patients, but more than all this, they have to deal with minds which are disturbed and weakened, therefore they must make a study of the character of each and use moral suasion, gentleness, patience, firmness, consistency; also a cheerful disposition and a sympathetic spirit are to be cultivated.

As the demand for trained nurses and attendants increases, the compensation will also increase, so that persons of "cultivated minds and benevolent hearts" will oftener be found in this noble sphere.

#### AMUSEMENTS.

We are now able to do more than ever before for the entertainment of patients. Since the last biennial report was made, the amusement hall has been enlarged, re-arranged, and refitted. It is now commodious and attractive.

Theatricals, exhibitions, concerts, dances, lectures, and religious services are facilitated and furnished with sufficient frequency. The institution has added to its resources a corps of musicians, selected from the employes, and led by Dr. Burnard, who supply us on all occasions with excellent orchestra and band music.

#### LIBRARY AND READING ROOM.

Ever since the hospital was opened we have had a small library for patients and employes but lately it has been enlarged and supplemented by encyclopedias, atlases and an unabridged dictionary.

This library now occupies one end of a large cheerful reading room. Here may be found on file a daily, besides numerous illustrated and other interesting weekly newspapers. The *Cosmopolitan*, the *Century*, *Scribner's*, and *Harper's Magazines* are at hand upon the large center table; maps of Iowa and the United States, together with pictures, hang upon the walls. Male patients have access to this room in the forenoon, female patients in the afternoon, and employes in the evening.

#### ACKNOWLEDGMENTS.

On account of the proximity of Rush Park race track to the hospital, and the kindness of C. W. Williams, the owner, about one-half the male and one-fourth of the female patients are permitted to witness the races gratis.

This opportunity helps to break up the monotony of life here, and gives us a convenient objective point to visit in summer time. For the male patients, at least, nothing but a circus would prove more interesting. They are allowed as much freedom about the stables, and in watching the colts at their morning work, as any one else.

The ages, merits, achievements, drivers, owners and homes of the different horses furnish a stock subject for conversation among the male patients the year round. They never do any betting.

The troupes which give evening entertainments in Independence usually visit the hospital and amuse us with matinees.

Musicians, elocutionists, lecturers and other friends living in town continue to assist us in numerous evening entertainments. The pastors of the Independence churches and other clergymen conduct religious services in the chapel every Sunday afternoon. Fathers O'Dond and Drexler are prompt and faithful in visiting patients who are Roman Catholics. For the help which these professional friends so often and so generously give the hospital I feel very grateful.

It affords me pleasure to speak in commendation of the services rendered in the various departments of this institution. There has been everywhere and at all times hearty co-operation. The employes and patients taken together now number nearly one thousand persons, and yet in many respects we work and dwell together like one large family. I wish to improve this opportunity to express my thanks to all who have assisted in this labor of love, which the care of the insane certainly is. It should be remembered by the public that the patients are not kept in close confinement, and that their relations are not exclusively with the attendants. We work together, take out-door exercise together, observe the holidays together, and worship together. All duties in connection with hospital life are honorable and it is the aim of the superintendent to make everybody contented.

Concerning the resident officers, I will state that Dr. E. B. Thompson resigned his place as first assistant physician one year ago. He was a loyal co-laborer, and a universal favorite.

Dr. M. N. Voldeng has been a member of the medical staff for four years, and during the last one has held the office of first assistant physician. He is energetic and self-reliant.

Dr. J. C. Doolittle has served in the capacity of third and second assistant physician, one year each, with faithfulness and success.

Dr. H. W. Burnard joined the hospital staff at the beginning of this period, serving one year as an interne, and one, as third assistant physician. He has discharged his duties to my entire satisfaction.

Upon the resignation of W. C. Hamilton as steward, eighteen months ago, Chas. L. Thomas was elected to that important office. He is well fitted for the place by many years of experience as gardner, and I may say possesses every qualification which this position requires.

Mrs. Lucy M. Gray has entered her fifteenth year as matron. She has charge of the seamstresses, the dress makers, the cooks in four kitchens, the washers and ironers in the laundry, the chamber maids, the house cleaning, the canning of fruit, and by frequent visits to the wards keeps herself familiar with the needs of the patients. She is equal to every emergency, and does her duty well.

To you, gentlemen of the board of trustees, I feel under great obligations.

The devotion manifested by you to the welfare of this hospital, and the unselfish manner in which you have left your homes and your business at the appointed times, to look after the pecuniary interests of the state and the comfort of your unfortunate fellow citizens who are collected here, deserve admiration. The per diem received is in no case an equivalent.

The satisfaction of knowing that a state charity, established and conducted on so large a scale, is operated honestly and humanely, is your chief compensation.

I most heartily thank you for the thorough manner in which you have discharged your duties, and for the friendly spirit in which you have given me counsel.

With gratitude to God for the success which has resulted from our endeavors in the past, we resume our responsibilities with hope for still better things in the future.

GERSHOM H. HILL, *Superintendent.*

TABLE I.

MOVEMENT OF POPULATION FOR BIENNIAL PERIOD.

|                                   | FIRST YEAR. |        |        | SECOND YEAR. |        |        | TOTAL FOR PERIOD. |        |        |
|-----------------------------------|-------------|--------|--------|--------------|--------|--------|-------------------|--------|--------|
|                                   | Men.        | Women. | Total. | Men.         | Women. | Total. | Men.              | Women. | Total. |
| Number remaining June 30th, 1889  |             |        |        |              |        |        |                   |        |        |
| and June 30th, 1890.....          | 396         | 370    | 766    | 438          | 387    | 825    | 528               | 280    | 617    |
| Number admitted.....              | 180         | 154    | 334    | 148          | 135    | 283    | 724               | 659    | 1,383  |
| Number treated.....               | 576         | 524    | 1,100  | 586          | 522    | 1,108  | 1,110             | 101    | 211    |
| Discharged—Recovered.....         | 54          | 51     | 105    | 56           | 50     | 106    | 79                | 82     | 161    |
| Improved.....                     | 39          | 44     | 83     | 40           | 38     | 78     | 8                 | 21     | 29     |
| Unimproved.....                   | 1           | 9      | 10     | 7            | 12     | 19     | 83                | 66     | 149    |
| Died.....                         | 44          | 33     | 76     | 39           | 33     | 72     | 280               | 279    | 559    |
| Total discharged and died.....    | 138         | 137    | 275    | 142          | 133    | 275    | 422               | 388    | 810    |
| Average daily number.....         | 415         | 385    | 800    | 430          | 390    | 820    |                   |        |        |
| Number remaining June 30th, 1890, |             |        |        |              |        |        |                   |        |        |
| and June 30th, 1891.....          | 438         | 387    | 825    | 444          | 380    | 823    |                   |        |        |

TABLE II.

MOVEMENT OF POPULATION FROM THE BEGINNING.

|  | MOVEMENT OF POPULATION FROM MAY 1st, 1873,<br>TO JUNE 30th, 1891. |        |        |
|--|---|--------|--------|
|  | Men.  | Women. | Total. |
| First admission from counties.....             | 2,138   | 1,666  | 3,804  |
| Readmissions.....                              | 561   | 398    | 959    |
| Transferred from hospital at Mt. Pleasant..... | 143   | 108    | 251    |
| Total admissions.....                          | 2,842   | 2,172  | 5,014  |
| Number discharged—Recovered.....               | 539   | 481    | 1,020  |
| Improved.....                                  | 804   | 550    | 1,354  |
| Unimproved.....                                | 554   | 376    | 930    |
| Died.....                                      | 501   | 376    | 877    |
| Total discharged and died.....                 | 2,398   | 1,783  | 4,181  |
| Number remaining.....                          | 444   | 389    | 833    |

TABLE III.  
MOVEMENT OF POPULATION FOR EACH YEAR SINCE OPENING OF HOSPITAL.

| FOR YEAR ENDING JUNE 30TH.                     | 1881 | 1882 | 1883 | 1884 | 1885 | 1886 | 1887 | 1888 | 1889 | 1890  | 1891  |
|--|------|------|------|------|------|------|------|------|------|-------|-------|
| Number admitted.....                           | 220  | 171  | 263  | 221  | 229  | 242  | 286  | 291  | 341  | 317   | 357   |
| Number recovered.....                          | 27   | 30   | 53   | 43   | 44   | 54   | 43   | 52   | 40   | 41    | 72    |
| Per cent of recoveries on ad-<br>missions..... | 11   | 18   | 20   | 19   | 19   | 22   | 15   | 18   | 12   | 13    | 21    |
| Number treated.....                            | 220  | 411  | 472  | 541  | 732  | 703  | 819  | 871  | 958  | 1,011 | 1,069 |
| Number deaths.....                             | 7    | 23   | 34   | 31   | 39   | 32   | 30   | 38   | 54   | 60    | 86    |
| Per cent of deaths on number<br>treated.....   | 3    | 5.6  | 7    | 5.7  | 5.3  | 4.5  | 3.6  | 4.4  | 5.6  | 5.9   | 8     |
| Average population.....                        | 128  | 212  | 250  | 290  | 306  | 412  | 484  | 536  | 653  | 716   | 756   |
|  |      |      |      |      |      |      |      |      |      |       | 8     |
|  |      |      |      |      |      |      |      |      |      |       | 6.7   |
|  |      |      |      |      |      |      |      |      |      |       | 897   |
|  |      |      |      |      |      |      |      |      |      |       | 4.4   |
|  |      |      |      |      |      |      |      |      |      |       | 771   |
|  |      |      |      |      |      |      |      |      |      |       | 7     |
|  |      |      |      |      |      |      |      |      |      |       | 800   |
|  |      |      |      |      |      |      |      |      |      |       | 6.5   |
|  |      |      |      |      |      |      |      |      |      |       | 820   |

TABLE IV.

NUMBER OF PERSONS, AND THE TIME EACH HAS BEEN ADMITTED.

|                                  | Persons.     | Admissions. |
|----------------------------------|--------------|-------------|
| Number admitted once.....        | 3,358 making | 3,358       |
| Number admitted twice.....       | 552 making   | 1,104       |
| Number admitted three times..... | 101 making   | 303         |
| Number admitted four times.....  | 33 making    | 132         |
| Number admitted five times.....  | 11 making    | 55          |
| Number admitted six times.....   | 3 making     | 18          |
| Number admitted seven times..... | 4 making     | 28          |
| Number admitted eight times..... | 2 making     | 16          |
| Total.....                       | 4,064        | 5,014       |

TABLE V.

DURATION OF INSANITY BEFORE ADMISSION, AND RESULTS.

|                            | Recovered. | Improved. | Unimproved. | Died. | Remaining. | Total. |
|----------------------------|------------|-----------|-------------|-------|------------|--------|
| Three months and less..... | 606        | 484       | 186         | 272   | 211        | 1,759  |
| Three to six months.....   | 104        | 141       | 73          | 75    | 64         | 457    |
| Six to twelve months.....  | 97         | 167       | 97          | 93    | 67         | 521    |
| One to two years.....      | 62         | 137       | 150         | 112   | 123        | 584    |
| Two to three years.....    | 25         | 89        | 85          | 69    | 81         | 349    |
| Three to five years.....   | 34         | 113       | 100         | 92    | 99         | 447    |
| Five to ten years.....     | 35         | 87        | 119         | 94    | 107        | 442    |
| Over ten years.....        | 32         | 72        | 58          | 44    | 54         | 360    |
| Unknown.....               | 25         | 64        | 44          | 26    | 27         | 186    |
| Total.....                 | 1,020      | 1,354     | 690         | 877   | 833        | 5,014  |

TABLE VI.

SHOWING THE AGE OF THOSE ADMITTED.

| AGE.                              | Biennial period. | From beginning. |
|-----------------------------------|------------------|-----------------|
| Under fifteen years.....          | 1                | 37              |
| Fifteen to twenty years.....      | 30               | 306             |
| Over twenty and under thirty..... | 175              | 1,457           |
| Over thirty and under forty.....  | 154              | 1,298           |
| Over forty and under fifty.....   | 118              | 959             |
| Over fifty and under sixty.....   | 66               | 532             |
| Over sixty and under seventy..... | 46               | 292             |
| Over seventy.....                 | 27               | 133             |
| Total.....                        | 617              | 5,014           |

TABLE VII.

NATIVITY OF PERSONS ADMITTED.

| NATIVITY.           | Period. | From beginning. | NATIVITY.        | Period. | From beginning. |
|---------------------|---------|-----------------|------------------|---------|-----------------|
| Maine.....          | 2       | 29              | Wisconsin.....   | 19      | 189             |
| New Hampshire.....  | 1       | 14              | Minnesota.....   | 1       | 7               |
| Vermont.....        | 4       | 191             | Iowa.....        | 150     | 781             |
| Massachusetts.....  | 4       | 52              | Nebraska.....    | 1       | 1               |
| Rhode Island.....   | 3       | 35              | Kansas.....      | 5       | 22              |
| Connecticut.....    | 57      | 538             | Missouri.....    | 1       | 1               |
| New York.....       | 2       | 27              | Colorado.....    | 16      | 156             |
| New Jersey.....     | 35      | 344             | California.....  | 18      | 171             |
| Pennsylvania.....   | 1       | 3               | England.....     | 39      | 372             |
| Delaware.....       | 1       | 20              | Ireland.....     | 7       | 31              |
| Maryland.....       | 4       | 27              | Scotland.....    | 1       | 19              |
| Virginia.....       | 5       | 5               | Wales.....       | 48      | 330             |
| West Virginia.....  | 1       | 8               | Scandinavia..... | 8       | 25              |
| North Carolina..... | 1       | 1               | Holland.....     | 89      | 695             |
| South Carolina..... | 1       | 1               | Germany.....     | 10      | 50              |
| Georgia.....        | 10      | 10              | Austria.....     | 6       | 36              |
| Alabama.....        | 1       | 5               | Switzerland..... | 1       | 1               |
| Louisiana.....      | 1       | 4               | Italy.....       | 1       | 10              |
| Texas.....          | 1       | 18              | France.....      | 1       | 1               |
| Kentucky.....       | 1       | 9               | Iceland.....     | 1       | 2               |
| Tennessee.....      | 30      | 330             | Australia.....   | 7       | 37              |
| Ohio.....           | 8       | 98              | Unknown.....     |         |                 |
| Indiana.....        | 38      | 304             |                  |         |                 |
| Illinois.....       | 5       | 35              |                  |         |                 |
| Michigan.....       |         |                 |                  |         |                 |
| Total.....          |         |                 |                  | 617     | 5,014           |

TABLE VIII.

RESIDENCE OF PATIENTS ADMITTED AND REMAINING.

| COUNTY.             | FROM THE BEGINNING. |        |        | DURING PERIOD. |        |        | REMAINING. |        |        |
|---------------------|---------------------|--------|--------|----------------|--------|--------|------------|--------|--------|
|                     | Men.                | Women. | Total. | Men.           | Women. | Total. | Men.       | Women. | Total. |
| Alamakee.....       | 83                  | 61     | 144    | 7              | 4      | 11     | 12         | 14     | 26     |
| Benton.....         | 97                  | 83     | 180    | 16             | 4      | 20     | 18         | 17     | 35     |
| Black Hawk.....     | 76                  | 91     | 167    | 5              | 7      | 12     | 7          | 7      | 14     |
| Bremer.....         | 51                  | 38     | 89     | 8              | 2      | 10     | 13         | 10     | 23     |
| Boone.....          | 33                  | 36     | 69     | 1              | 1      | 2      | 1          | 1      | 2      |
| Buchanan.....       | 76                  | 77     | 153    | 6              | 8      | 14     | 15         | 6      | 21     |
| Buena Vista.....    | 25                  | 18     | 43     | 3              | 2      | 5      | 8          | 4      | 12     |
| Butler.....         | 43                  | 28     | 71     | 3              | 7      | 19     | 7          | 6      | 13     |
| Calhoun.....        | 21                  | 15     | 36     | 3              | 4      | 7      | 8          | 2      | 10     |
| Carroll.....        | 28                  | 27     | 55     | 1              | 4      | 5      | 8          | 8      | 16     |
| Cerro Gordo.....    | 33                  | 34     | 67     | 3              | 7      | 10     | 3          | 7      | 10     |
| Cherokee.....       | 25                  | 14     | 39     | 3              | 2      | 5      | 7          | 5      | 12     |
| Chickasaw.....      | 57                  | 47     | 104    | 9              | 6      | 15     | 8          | 2      | 10     |
| Clay.....           | 13                  | 10     | 23     | 5              | 2      | 7      | 4          | 4      | 8      |
| Clayton.....        | 147                 | 92     | 239    | 5              | 3      | 8      | 14         | 6      | 20     |
| Crawford.....       | 107                 | 109    | 216    | 24             | 17     | 41     | 27         | 25     | 52     |
| Delaware.....       | 24                  | 14     | 38     | 1              | 1      | 2      | 1          | 5      | 6      |
| Dickinson.....      | 87                  | 59     | 146    | 12             | 5      | 17     | 11         | 9      | 20     |
| Dubuque.....        | 6                   | 8      | 14     |                |        |        | 2          | 2      | 4      |
| Emmet.....          | 208                 | 167    | 375    | 24             | 21     | 45     | 23         | 9      | 32     |
| Fayette.....        | 8                   | 10     | 18     | 4              | 4      | 8      | 2          | 3      | 5      |
| Floyd.....          | 105                 | 73     | 178    | 22             | 7      | 29     | 12         | 14     | 26     |
| Franklin.....       | 52                  | 30     | 82     | 6              | 6      | 12     | 11         | 10     | 21     |
| Greene.....         | 35                  | 34     | 69     | 3              | 7      | 10     | 5          | 9      | 14     |
| Grundy.....         | 61                  | 31     | 92     | 8              | 8      | 16     | 10         | 10     | 20     |
| Hamilton.....       | 24                  | 30     | 54     | 4              | 5      | 9      | 1          | 5      | 6      |
| Hancock.....        | 37                  | 32     | 69     | 4              | 4      | 8      | 12         | 2      | 14     |
| Hardin.....         | 15                  | 7      | 22     | 1              | 1      | 2      | 4          | 2      | 6      |
| Howard.....         | 45                  | 45     | 90     | 6              | 4      | 10     | 8          | 10     | 18     |
| Humboldt.....       | 32                  | 30     | 62     | 2              | 4      | 6      | 8          | 4      | 12     |
| Ida.....            | 14                  | 7      | 21     | 1              | 1      | 2      | 5          | 1      | 6      |
| Jackson.....        | 18                  | 19     | 37     | 7              | 7      | 14     | 6          | 6      | 12     |
| Jones.....          | 64                  | 31     | 95     | 5              | 8      | 13     | 5          | 5      | 10     |
| Kossuth.....        | 89                  | 54     | 133    | 9              | 7      | 16     | 11         | 12     | 23     |
| Lincoln.....        | 26                  | 10     | 36     | 4              | 2      | 6      | 4          | 1      | 5      |
| Lyon.....           | 135                 | 98     | 233    | 24             | 11     | 35     | 18         | 24     | 42     |
| Marshall.....       | 4                   | 9      | 13     | 3              | 4      | 7      | 3          | 4      | 7      |
| Mills.....          | 67                  | 39     | 106    | 2              | 2      | 4      | 2          | 2      | 4      |
| Mitchell.....       | 1                   | 1      | 2      |                |        |        |            |        |        |
| Monona.....         | 32                  | 32     | 64     | 7              | 1      | 8      | 7          | 7      | 14     |
| O'Brien.....        | 27                  | 24     | 51     | 1              | 7      | 8      | 7          | 7      | 14     |
| Oscoda.....         | 4                   | 7      | 11     | 1              | 1      | 2      | 2          | 2      | 4      |
| Palo Alto.....      | 13                  | 7      | 20     | 3              | 1      | 4      | 3          | 3      | 6      |
| Plymouth.....       | 17                  | 12     | 29     | 4              | 2      | 6      | 2          | 2      | 4      |
| Pocahontas.....     | 32                  | 22     | 54     | 7              | 4      | 11     | 13         | 8      | 21     |
| Sac.....            | 25                  | 11     | 36     | 4              | 6      | 10     | 8          | 5      | 13     |
| Sioux.....          | 20                  | 18     | 38     | 2              | 2      | 4      | 3          | 3      | 6      |
| Story.....          | 29                  | 13     | 42     | 8              | 5      | 13     | 11         | 3      | 14     |
| Tama.....           | 25                  | 19     | 44     | 1              | 1      | 2      | 1          | 1      | 2      |
| Webster.....        | 54                  | 45     | 99     | 7              | 5      | 12     | 8          | 6      | 14     |
| Winnebago.....      | 63                  | 68     | 131    | 9              | 12     | 21     | 16         | 15     | 31     |
| Winnebleshiek.....  | 110                 | 73     | 183    | 8              | 5      | 13     | 21         | 13     | 34     |
| Worth.....          | 14                  | 12     | 26     | 4              | 4      | 8      | 3          | 5      | 8      |
| Woodbury.....       | 14                  | 6      | 20     | 2              | 4      | 6      | 5          | 2      | 7      |
| Wright.....         | 38                  | 53     | 91     | 2              | 14     | 16     | 2          | 13     | 15     |
| Van Buren.....      | 14                  | 19     | 33     | 4              | 8      | 12     | 4          | 2      | 6      |
| State at large..... | 1                   | 1      | 2      |                |        |        |            |        |        |
| Total.....          | 2,842               | 2,172  | 5,014  | 328            | 289    | 617    | 444        | 389    | 833    |

TABLE IX.

OCCUPATION OF PATIENTS ADMITTED DURING BIENNIAL PERIOD.

| MEN.                        | NO. | MEN.                                    | NO. |
|-----------------------------|-----|---|-----|
| Aplarist                    | 1   | No occupation                           | 5   |
| Auctioneer                  | 1   | Painter                                 | 1   |
| Baker                       | 1   | Lawyer                                  | 1   |
| Blacksmith                  | 5   | Photographer                            | 6   |
| Book-keeper                 | 3   | Physician                               | 4   |
| Carpenter                   | 11  | Preacher                                | 1   |
| Clerk                       | 1   | Printer                                 | 4   |
| Commercial traveler         | 2   | Railroad conductor                      | 1   |
| Cooper                      | 1   | Sailor                                  | 1   |
| Editor                      | 1   | Saloon-keeper                           | 2   |
| Elocutionist                | 1   | Shoemaker                               | 1   |
| Express agent               | 1   | Speculator                              | 2   |
| Farmers and farmers' sons   | 177 | Student                                 | 2   |
| Hotel-keeper                | 1   | Tailor                                  | 1   |
| Laborers and laborers' sons | 57  | Telegrapher                             | 2   |
| Mason                       | 7   | Teacher                                 | 2   |
| Mechanic                    | 13  | Tramp                                   | 1   |
| Merchant                    | 14  | Wagon-maker                             | 1   |
| Miller                      | 1   | Total                                   | 328 |
| Miner                       | 1   |   |     |
| WOMEN.                      |     |   |     |
| Compositor                  | 1   | Not known                               | 9   |
| Domestic                    | 26  | Wives and daughters of farmers          | 125 |
| Hairdresser                 | 1   | Wives and daughters of laborers         | 40  |
| Housekeeper                 | 23  | Wives and daughters of mechanics        | 12  |
| Milliner                    | 1   | Wives and daughters of merchants        | 11  |
| No occupation               | 2   | Wives and daughters of professional men | 7   |
| Seamstress                  | 4   | Wives and daughters of tradesmen        | 16  |
| Teacher                     | 11  | Total                                   | 289 |
| Stenographer                | 1   |   |     |
| Washerwoman                 | 1   |   |     |
| Wife of banker              | 1   |   |     |

TABLE X.

SUPPOSED OR ASSIGNED CAUSE OF INSANITY.

| CAUSE.                        | BIENNIAL PERIOD. |        |        | FROM THE BEGINNING. |        |        |
|-------------------------------|------------------|--------|--------|---------------------|--------|--------|
|                               | Men.             | Women. | Total. | Men.                | Women. | Total. |
| CONGENITAL—                   |                  |        |        |                     |        |        |
| Hereditary                    | 71               | 53     | 124    | 441                 | 370    | 811    |
| Defective mental organization | 20               | 20     | 40     | 58                  | 41     | 99     |
| DISEASES OF NERVOUS SYSTEM—   |                  |        |        |                     |        |        |
| Chorea                        | 3                | 2      | 5      | 3                   | 3      | 6      |
| Epilepsy                      | 28               | 18     | 46     | 213                 | 100    | 313    |
| Gross cerebral lesion         | 5                | 5      | 10     | 31                  | 5      | 36     |
| Cerebral meningitis           | 1                | 1      | 2      | 9                   | 1      | 10     |
| Cerebro-spinal meningitis     | 1                | 1      | 2      | 6                   | 4      | 10     |
| Apoplexy                      | 2                | 2      | 4      | 15                  | 4      | 19     |
| Sun or heat-stroke            | 13               | 1      | 14     | 160                 | 22     | 182    |
| Disease of middle ear         | 1                | 1      | 2      | 2                   | 1      | 3      |
| Injury to head                | 9                | 2      | 11     | 135                 | 16     | 151    |
| Injury to spine               | 3                | 1      | 4      | 8                   | 7      | 15     |
| Injury to eye                 | 3                | 1      | 4      | 10                  | 1      | 11     |
| DISEASES IN GENERAL—          |                  |        |        |                     |        |        |
| Fever                         | 8                | 6      | 14     | 58                  | 53     | 111    |
| Syphilis                      | 7                | 7      | 14     | 4                   | 20     | 24     |
| Poor health                   | 9                | 15     | 24     | 109                 | 147    | 256    |
| La Grippe                     | 9                | 10     | 19     | 8                   | 10     | 19     |
| Loss of sleep                 | 1                | 3      | 4      | 5                   | 4      | 9      |
| Opium habit                   | 1                | 4      | 5      | 8                   | 14     | 22     |
| Intemperance                  | 24               | 24     | 48     | 187                 | 7      | 194    |
| Use of tobacco                | 19               | 19     | 38     | 16                  | 16     | 32     |
| Masturbation                  | 10               | 1      | 11     | 179                 | 7      | 186    |
| Excessive venery              | 2                | 2      | 4      | 5                   | 19     | 24     |
| Uterine disease               | 12               | 12     | 24     | 98                  | 98     | 196    |
| Exposure during menstruation  | 1                | 1      | 2      | 21                  | 21     | 42     |
| Suppressed menstruation       | 3                | 3      | 6      | 74                  | 74     | 148    |
| Disturbed gestation           | 2                | 2      | 4      | 15                  | 15     | 30     |
| Puerperal condition           | 15               | 15     | 30     | 149                 | 149    | 298    |
| Prolonged lactation           | 2                | 2      | 4      | 16                  | 16     | 32     |
| Too frequent pregnancies      | 5                | 5      | 10     | 31                  | 31     | 62     |
| Change of life                | 2                | 2      | 4      | 71                  | 71     | 142    |
| Senile decay                  | 11               | 11     | 22     | 55                  | 32     | 87     |
| MORAL INFLUENCE—              |                  |        |        |                     |        |        |
| Disappointment                | 3                | 3      | 6      | 12                  | 16     | 28     |
| Spiritualism                  | 1                | 1      | 2      | 8                   | 6      | 14     |
| Religious excitement          | 4                | 7      | 11     | 52                  | 55     | 107    |
| Fright                        | 1                | 1      | 2      | 15                  | 16     | 31     |
| Grief                         | 5                | 13     | 18     | 32                  | 74     | 106    |
| Worry and excitement          | 5                | 1      | 6      | 39                  | 31     | 70     |
| Desertion of companion        | 1                | 1      | 2      | 4                   | 12     | 16     |
| Ill treatment                 | 3                | 3      | 6      | 7                   | 19     | 26     |
| Change of home                | 1                | 1      | 2      | 9                   | 15     | 24     |
| Domestic trouble              | 4                | 10     | 14     | 67                  | 85     | 152    |
| Disappointed affection        | 3                | 3      | 6      | 42                  | 43     | 85     |
| Seduction                     | 1                | 1      | 2      | 5                   | 5      | 10     |
| Pecuniary embarrassment       | 6                | 4      | 10     | 110                 | 19     | 129    |
| Poverty and want              | 1                | 2      | 3      | 20                  | 25     | 45     |
| Exposure and overwork         | 16               | 11     | 27     | 74                  | 30     | 104    |
| Excessive mental labor        | 6                | 1      | 7      | 39                  | 19     | 58     |
| Solitary life                 | 2                | 2      | 4      | 5                   | 2      | 7      |
| Cause unknown                 | 25               | 42     | 67     | 575                 | 385    | 960    |
| Total                         | 328              | 289    | 617    | 2,842               | 2,172  | 5,014  |

TABLE XI.

CAUSE OF DEATH DURING BIENNIAL PERIOD.

|                                     | Men. | Women. | Total. |
|-------------------------------------|------|--------|--------|
| Acute Bright's disease.....         | 2    | 2      | 4      |
| Apoplexy.....                       | 4    | 5      | 9      |
| Cerebral softening.....             | 4    | 5      | 9      |
| Cerebritis.....                     | 1    | 1      | 2      |
| Cerebral hemorrhage.....            | 2    | 1      | 3      |
| Chronic Bright's disease.....       | 1    | 1      | 2      |
| Chronic tuberculosis.....           | 11   | 16     | 27     |
| Chronic bronchitis.....             | 1    | 2      | 3      |
| Empyema.....                        | 1    | 1      | 2      |
| Exhaustion from melancholia.....    | 2    | 1      | 3      |
| Exhaustion from acute mania.....    | 5    | 1      | 6      |
| Exhaustion from chorea.....         | 1    | 1      | 2      |
| Exhaustion from delirium grave..... | 1    | 1      | 2      |
| Erysipelas phlegmonous.....         | 1    | 1      | 2      |
| Fibroid phthisis.....               | 1    | 1      | 2      |
| General paresis.....                | 10   | 1      | 11     |
| Hematemesis.....                    | 1    | 1      | 2      |
| Heart failure.....                  | 1    | 4      | 5      |
| La grippe.....                      | 2    | 2      | 4      |
| Miliary tuberculosis.....           | 4    | 4      | 8      |
| Meningitis simple.....              | 4    | 1      | 5      |
| Marasmus.....                       | 2    | 2      | 4      |
| Pleurisy.....                       | 1    | 1      | 2      |
| Pericarditis hemorrhage.....        | 1    | 1      | 2      |
| Pulmonary edema.....                | 1    | 1      | 2      |
| Pyothora.....                       | 1    | 1      | 2      |
| Pulmonary hemorrhage.....           | 1    | 1      | 2      |
| Pneumonitis.....                    | 1    | 1      | 2      |
| Rupture of spleen.....              | 1    | 1      | 2      |
| Rupture of heart.....               | 1    | 1      | 2      |
| Status epilepticus.....             | 1    | 1      | 2      |
| Senile exhaustion.....              | 1    | 1      | 2      |
| Suicide.....                        | 4    | 6      | 10     |
| Strangulated hernia.....            | 1    | 1      | 2      |
| Tubercular peritonitis.....         | 1    | 1      | 2      |
| Tubercular meningitis.....          | 4    | 5      | 9      |
| Valvular disease.....               | 1    | 1      | 2      |
| Total.....                          | 83   | 66     | 149    |

TABLE XII.

RESIDENCE IN HOSPITAL OF THOSE WHO HAVE RECOVERED OR DIED.

|                           | Recovered. | Died. |
|---------------------------|------------|-------|
| Three months or less..... | 56         | 52    |
| Three to six months.....  | 57         | 19    |
| Six to twelve weeks.....  | 55         | 12    |
| One to two years.....     | 25         | 23    |
| Two to three years.....   | 5          | 11    |
| Three to five years.....  | 6          | 15    |
| Five to ten years.....    | 1          | 12    |
| Over ten years.....       | 1          | 5     |
| Total.....                | 200        | 149   |

TABLE XIII.

SHOWING THE CIVIL CONDITION OF THOSE ADMITTED DURING THE BIENNIAL PERIOD.

|                                  | Men. | Women. | Total. |
|----------------------------------|------|--------|--------|
| Single.....                      | 170  | 96     | 266    |
| Married.....                     | 133  | 151    | 284    |
| Widowed.....                     | 23   | 39     | 62     |
| Divorced.....                    | 1    | 9      | 10     |
| Deserted by wife or husband..... | 1    | 1      | 2      |
| Unknown.....                     | 2    | 1      | 3      |
| Total.....                       | 328  | 289    | 617    |

TABLE XIV.

DEGREE OF EDUCATION OF THOSE ADMITTED DURING BIENNIAL PERIOD.

|                         | Men. | Women. | Total. |
|-------------------------|------|--------|--------|
| College.....            | 5    | 1      | 6      |
| High school.....        | 16   | 17     | 33     |
| Good common school..... | 69   | 79     | 148    |
| Poor common school..... | 209  | 177    | 386    |
| None.....               | 13   | 7      | 20     |
| Unascertained.....      | 16   | 8      | 24     |
| Total.....              | 328  | 289    | 617    |

TABLE XV.

SHOWING RELIGIOUS BELIEF OF PATIENTS ADMITTED DURING PERIOD.

| DENOMINATIONS.         | Men. | Women. | Total. |
|------------------------|------|--------|--------|
| Roman Catholic.....    | 57   | 53     | 110    |
| Lutheran.....          | 61   | 42     | 103    |
| Methodist.....         | 31   | 61     | 92     |
| Presbyterian.....      | 13   | 16     | 29     |
| Baptist.....           | 7    | 15     | 22     |
| Congregationalist..... | 10   | 11     | 21     |
| Episcopal.....         | 3    | 5      | 8      |
| Christian.....         | 6    | 2      | 8      |
| Quaker.....            | 3    | 3      | 6      |
| Spiritualist.....      | 3    | 3      | 6      |
| Universalist.....      | 6    | 1      | 7      |
| Adventist.....         | 4    | 1      | 5      |
| Unitarian.....         | 3    | 5      | 8      |
| Salvation Army.....    | 1    | 1      | 2      |
| Tunker.....            | 3    | 3      | 6      |
| Dutch Reform.....      | 5    | 3      | 8      |
| Unascertained.....     | 78   | 50     | 128    |
| None.....              | 34   | 13     | 47     |
| Total.....             | 328  | 289    | 617    |

TABLE XVI.

SHOWING HEREDITARY TENDENCY IN THOSE ADMITTED DURING THE PERIOD.

| RELATIONSHIP.                   | Men. | Women. | Total. |
|---------------------------------|------|--------|--------|
| Father.....                     | 10   | 5      | 15     |
| Mother.....                     | 15   | 6      | 21     |
| Brother.....                    | 17   | 6      | 23     |
| Sister.....                     | 8    | 17     | 25     |
| Brother and sister.....         | 1    | 3      | 4      |
| Father and brother.....         | 1    | 4      | 5      |
| Father and sister.....          | 2    | 1      | 3      |
| Mother and brother.....         | 1    | 1      | 2      |
| Mother and sister.....          | 1    | 2      | 3      |
| Father and grandfather.....     | 1    | 1      | 2      |
| Mother and grandmother.....     | 1    | 1      | 2      |
| Father and uncle.....           | 1    | 1      | 2      |
| Father and aunt.....            | 1    | 1      | 2      |
| Mother and uncle.....           | 1    | 1      | 2      |
| Mother and aunt.....            | 1    | 1      | 2      |
| Father and mother.....          | 1    | 1      | 2      |
| Uncle and aunt.....             | 1    | 1      | 2      |
| Uncle.....                      | 1    | 1      | 2      |
| Aunt.....                       | 1    | 1      | 2      |
| Cousin.....                     | 14   | 6      | 20     |
| Nephew.....                     | 6    | 12     | 18     |
| Son.....                        | 1    | 1      | 2      |
| Daughter.....                   | 1    | 1      | 2      |
| Grandfather.....                | 6    | 3      | 9      |
| Grandmother.....                | 4    | 12     | 16     |
| Husband.....                    | 1    | 1      | 2      |
| Wife.....                       | 1    | 3      | 4      |
| With no hereditary history..... | 234  | 200    | 434    |
| Total.....                      | 328  | 289    | 617    |

TABLE XVII.

SHOWING THOSE ADMITTED DURING THE PERIOD WHO HAVE OR HAVE HAD RELATIVES IN THIS HOSPITAL, AND DEGREE OF RELATIONSHIP.

| RELATIONSHIP.                 | Number. |
|-------------------------------|---------|
| Father and son.....           | 1       |
| Father and daughter.....      | 1       |
| Mother and son.....           | 1       |
| Mother and two sons.....      | 1       |
| Mother and daughter.....      | 1       |
| Brothers.....                 | 4       |
| Sisters.....                  | 12      |
| Brothers and sisters.....     | 1       |
| Uncle and nephew.....         | 1       |
| Uncle and niece.....          | 1       |
| Aunt and niece.....           | 1       |
| Husband and wife.....         | 4       |
| Cousins.....                  | 3       |
| Grandmother and grandson..... | 1       |
| Total.....                    | 23      |

TABLE XVIII.

SHOWING THE FORM OF INSANITY OF THOSE ADMITTED DURING THE PERIOD.

| FORM OF INSANITY.                | Men. | Women. | Total. |
|----------------------------------|------|--------|--------|
| Mania, acute simple.....         | 90   | 87     | 177    |
| Mania, acute delirious.....      | 12   | 12     | 24     |
| Mania, chronic.....              | 25   | 68     | 153    |
| Melancholia, acute simple.....   | 24   | 36     | 60     |
| Melancholia, acute agitated..... | 2    | 4      | 6      |
| Melancholia, chronic.....        | 12   | 12     | 26     |
| Dementia, primary.....           | 28   | 20     | 48     |
| Dementia, secondary.....         | 1    | 1      | 2      |
| Dementia, senile.....            | 23   | 20     | 43     |
| Paranoia.....                    | 8    | 5      | 13     |
| Epileptic insanity.....          | 27   | 15     | 42     |
| Choreic insanity.....            | 3    | 4      | 7      |
| General paresis.....             | 11   | 1      | 12     |
| Imbecility.....                  | 2    | 3      | 5      |
| Total.....                       | 328  | 289    | 617    |

TABLE XIX.

SHOWING THE AVERAGE NUMBER OF PATIENTS EMPLOYED DURING THE PERIOD.

| MONTH.                           | MEN.             |                        |                   |                     |                    | WOMEN.           |                                |                   |                     |                    |
|----------------------------------|------------------|------------------------|-------------------|---------------------|--------------------|------------------|--------------------------------|-------------------|---------------------|--------------------|
|                                  | Working in ward. | Farm, garden, outside. | Average employed. | Average population. | Per cent employed. | Working in ward. | Kitchen, laundry, sewing room. | Average employed. | Average population. | Per cent employed. |
| 1890.                            |                  |                        |                   |                     |                    |                  |                                |                   |                     |                    |
| July.....                        | 120              | 104                    | 233               | 402                 | 58                 | 127              | 47                             | 174               | 375                 | 46                 |
| August.....                      | 118              | 106                    | 224               | 401                 | 53                 | 129              | 49                             | 178               | 384                 | 47                 |
| September.....                   | 115              | 112                    | 227               | 396                 | 58                 | 120              | 48                             | 168               | 378                 | 44                 |
| October.....                     | 127              | 116                    | 243               | 396                 | 62                 | 130              | 45                             | 175               | 378                 | 46                 |
| November.....                    | 128              | 104                    | 232               | 400                 | 58                 | 125              | 47                             | 172               | 380                 | 46                 |
| December.....                    | 141              | 90                     | 231               | 408                 | 57                 | 143              | 48                             | 191               | 388                 | 49                 |
| 1891.                            |                  |                        |                   |                     |                    |                  |                                |                   |                     |                    |
| January.....                     | 144              | 80                     | 224               | 411                 | 55                 | 129              | 43                             | 172               | 393                 | 44                 |
| February.....                    | 139              | 85                     | 224               | 423                 | 53                 | 131              | 47                             | 178               | 393                 | 45                 |
| March.....                       | 143              | 89                     | 232               | 430                 | 54                 | 132              | 47                             | 179               | 390                 | 46                 |
| April.....                       | 144              | 83                     | 227               | 426                 | 53                 | 140              | 48                             | 188               | 385                 | 48                 |
| May.....                         | 138              | 114                    | 252               | 433                 | 58                 | 145              | 43                             | 188               | 385                 | 49                 |
| June.....                        | 130              | 128                    | 258               | 435                 | 60                 | 142              | 42                             | 184               | 388                 | 47                 |
| July.....                        | 140              | 133                    | 273               | 436                 | 63                 | 135              | 42                             | 177               | 387                 | 45                 |
| August.....                      | 140              | 130                    | 270               | 439                 | 62                 | 126              | 45                             | 171               | 390                 | 44                 |
| September.....                   | 143              | 117                    | 260               | 432                 | 60                 | 124              | 42                             | 166               | 388                 | 43                 |
| October.....                     | 135              | 118                    | 253               | 416                 | 61                 | 120              | 45                             | 165               | 391                 | 42                 |
| November.....                    | 150              | 115                    | 274               | 415                 | 66                 | 125              | 47                             | 172               | 394                 | 45                 |
| December.....                    | 180              | 85                     | 265               | 417                 | 64                 | 135              | 42                             | 177               | 394                 | 45                 |
| 1891.                            |                  |                        |                   |                     |                    |                  |                                |                   |                     |                    |
| January.....                     | 160              | 100                    | 260               | 428                 | 61                 | 130              | 43                             | 173               | 395                 | 44                 |
| February.....                    | 160              | 100                    | 260               | 418                 | 61                 | 130              | 42                             | 172               | 381                 | 45                 |
| March.....                       | 170              | 118                    | 288               | 439                 | 66                 | 135              | 44                             | 179               | 394                 | 45                 |
| April.....                       | 180              | 120                    | 300               | 440                 | 68                 | 135              | 44                             | 179               | 390                 | 46                 |
| May.....                         | 190              | 120                    | 310               | 444                 | 72                 | 135              | 45                             | 180               | 388                 | 48                 |
| June.....                        | 185              | 120                    | 305               | 440                 | 69                 | 135              | 45                             | 180               | 388                 | 48                 |
| Average for biennial period..... | 147              | 108                    | 255               | 421                 | 60                 | 131              | 45                             | 176               | 387                 | 45                 |

TABLE XX.

NATIVITY OF PARENTS OF PATIENTS ADMITTED DURING THE BIENNIAL PERIOD.

|                                 | Number. |
|---------------------------------|---------|
| Both born in United States..... | 214     |
| One born in United States.....  | 23      |
| Both foreign born.....          | 313     |
| Unknown.....                    | 67      |
| Total.....                      | 617     |

## STEWARD'S REPORT.

*Exhibit of Special Appropriations by the General Assembly.*

## CONTINGENT FUND.

## RECEIPTS.

|         |     |  |             |
|---------|-----|--|-------------|
| 1889.   |     |  |             |
| July    | 1.  | Balance on hand.....                                       | \$ 296.72   |
| July    | 10. | From appropriations of Twenty-Second General Assembly..... | 1,000.00    |
| 1890.   |     |  |             |
| July    | 9.  | From appropriations of Twenty-Third General Assembly.....  | 2,816.73    |
| October | 8.  | From appropriations of Twenty-Third General Assembly.....  | 1,186.11    |
| 1891.   |     |  |             |
| January | 15. | From appropriations of Twenty-Third General Assembly.....  | 1,444.46    |
| April   | 9.  | From appropriations of Twenty-Third General Assembly.....  | 532.70      |
|         |     |  | \$ 7,266.72 |

## EXPENDITURES.

|           |     |  |           |
|-----------|-----|--|-----------|
| 1889.     |     |  |           |
| May       | 29. | Wm. Marshall, repairing boilers.....           | \$ 189.87 |
| May       | 21. | W. J. G. Beams, tea and coffee boilers.....    | 500.00    |
| June      | 29. | Fisher Bros., cement.....                      | 331.75    |
| August    | 16. | E. B. Brainerd, top bowls.....                 | 125.00    |
| September | 30. | Geo. Netcott, brick.....                       | 120.10    |
| 1890.     |     |  |           |
| March     | 30. | Pay-roll, labor on cemetery.....               | 603.45    |
| April     | 29. | Chas. G. Hipwell, slate.....                   | 30.25     |
| May       | 17. | J. L. Mott, Iron Works, horse roller.....      | 336.25    |
| May       | 26. | J. L. Mott, Iron Works, hoppers, etc.....      | 298.87    |
| June      | 20. | Geo. Netcott, brick and slate.....             | 18.23     |
| June      | 20. | Nordberg Manufacturing Co., one governor.....  | 125.00    |
| June      | 30. | Geo. Hageman, labor and material.....          | 206.37    |
| June      | 27. | D. S. Fifield & Son, lumber.....               | 316.90    |
| June      | 28. | Carpenter & Genung, work on engine.....        | 59.50     |
| June      | 30. | Anamosa Penitentiary, stone.....               | 315.00    |
| June      | 30. | W. N. Davis, labor as mason.....               | 201.00    |
| June      | 30. | Frank Marte, labor as mason.....               | 201.00    |
| June      | 30. | Bud Camp, labor as carpenter.....              | 117.00    |
| June      | 30. | Peter McArthur, hauling.....                   | 48.80     |
| August    | 19. | Fuller & Fuller Co., lead.....                 | 61.38     |
| 1891.     |     |  |           |
| August    | 22. | S. E. Barrett, Manufacturing Co., roofing..... | 22.00     |
| September | 2.  | Meacham & Wright, cement.....                  | 217.00    |
| September | 18. | Rundle Spence & Co., radiators.....            | 252.45    |
| September | 22. | Leach & Smith, lumber.....                     | 262.81    |

|               |  |           |
|---------------|--|-----------|
| September 30. | Frank Marte, labor.....                | \$ 210.00 |
| September 30. | Josselyn & Taylor, specifications..... | 10.00     |
| September 30. | Geo. Hageman, labor and material.....  | 147.04    |
| December 19.  | B. A. Stevens, cold storage pans.....  | 750.00    |
| December 31.  | B., C. R. & N. R. R. Co., freight..... | 77.94     |
| December 31.  | D. S. Field & Son, lumber.....         | 278.97    |
| November 15.  | Meacham & Wright, cement.....          | 108.50    |
| December 31.  | D. W. Stookey, brick.....              | 57.32     |
| December 31.  | Peter McArthur, hauling sand.....      | 52.40     |
| December 31.  | W. N. Davis, labor.....                | 119.77    |

1891.

|             |                                |       |
|-------------|--------------------------------|-------|
| January 29. | Fuller & Fuller Co., lead..... | 65.82 |
| January 28. | Ira B. King, labor.....        | 41.60 |
| January 24. | F. E. Hopkins, labor.....      | 52.00 |

\$ 6,873.44

Balance on hand July 1, 1891.....\$ 393.28

## IMPROVING GROUNDS.

## RECEIPTS.

|          |   |           |          |
|----------|---|-----------|----------|
| 1889.    |   |           |          |
| July 1.  | 1. Balance on hand.....                                       | \$ 879.67 |          |
| July 10. | 10. From appropriation of Twenty-Second General Assembly..... |           | 1,000.00 |

|         |   |  |       |
|---------|---|--|-------|
| 1890.   |   |  |       |
| July 9. | 9. From appropriation of Twenty-Third General Assembly..... |  | 74.29 |

|          |   |             |  |
|----------|---|-------------|--|
| 1891.    |   |             |  |
| April 9. | 9. From appropriation of Twenty-Third General Assembly..... | 425.71      |  |
|          |   | \$ 2,379.67 |  |

## EXPENDITURES.

|               |  |           |  |
|---------------|--|-----------|--|
| 1889.         |  |           |  |
| June 30.      | J. Weidemann, services.....                        | \$ 500.00 |  |
| June 30.      | Angus McQueen, labor.....                          | 88.35     |  |
| May 22.       | D. S. Deering, surveying.....                      | 4.00      |  |
| July 11.      | Angus McQueen, labor.....                          | 18.33     |  |
| July 17.      | Soule, Hagans & Funk, tile.....                    | 61.05     |  |
| September 30. | J. Weidemann, services.....                        | 300.00    |  |
| September 30. | J. Weidemann, services.....                        | 100.00    |  |
| October 4.    | Fred Reisner, tile layer.....                      | 82.50     |  |
| November 4.   | Lillie & Till, tile.....                           | 144.75    |  |
| November 23.  | Fred Reisner, tile layer.....                      | 32.25     |  |
| November 25.  | Chas. Gantz, brick.....                            | 27.00     |  |
| December 19.  | John Artus, labor.....                             | 118.50    |  |
| December 20.  | J. Conley, stone.....                              | 285.41    |  |
| September 10. | Webster City Brick & Tile Co., tile junctions..... | 4.00      |  |

1890.

|            |                                     |        |  |
|------------|-------------------------------------|--------|--|
| January 1. | 1. Pay-roll, labor.....             | 113.53 |  |
| July 3.    | Soule, Hagans & Funk, tile.....     | 51.10  |  |
| June 30.   | Fred Reisner, laying tile.....      | 23.10  |  |
| March 31.  | J. M. Marquette, hauling stone..... | 73.85  |  |
| May 21.    | E. Russ, trees.....                 | 13.00  |  |
| June 29.   | J. M. Marquette, stone.....         | 376.20 |  |
| June 29.   | Chas. Thomas, Sr., labor.....       | 62.00  |  |

\$ 2,479.01

## TILE FUND.

## RECEIPTS.

|            |   |           |  |
|------------|---|-----------|--|
| 1890.      |   |           |  |
| October 8. | 8. From appropriation of Twenty-Third General Assembly..... | \$ 189.54 |  |

|             |  |           |  |
|-------------|--|-----------|--|
| 1891.       |  |           |  |
| January 14. | 14. From appropriation of Twenty-Third General Assembly..... | 44.62     |  |
|             |  | \$ 234.16 |  |

## EXPENDITURES.

|             |                                      |           |  |
|-------------|--------------------------------------|-----------|--|
| 1890.       |                                      |           |  |
| October 10. | Soule, Hagans & Funk, tile, etc..... | \$ 160.24 |  |
| October 10. | Fred Reisner, laying tile.....       | 29.30     |  |

|             |                                |           |  |
|-------------|--------------------------------|-----------|--|
| 1891.       |                                |           |  |
| January 15. | Fred Reisner, laying tile..... | 44.62     |  |
|             |                                | \$ 234.16 |  |

## COAL HOUSE FUND.

## RECEIPTS.

|          |   |             |  |
|----------|---|-------------|--|
| 1891.    |   |             |  |
| April 9. | 9. From appropriation of Twenty-Third General Assembly..... | \$ 2,000.00 |  |
|          |   | \$ 2,000.00 |  |

## EXPENDITURES.

|          |  |           |  |
|----------|--|-----------|--|
| May 13.  | Standard Cement Co., cement.....       | \$ 54.50  |  |
| May 16.  | Pay-roll, labor.....                   | 260.50    |  |
| June 10. | Standard Cement Co., cement.....       | 54.39     |  |
| June 29. | G. W. Hatch, labor.....                | 41.87     |  |
| June 29. | John Artus, labor.....                 | 18.75     |  |
| June 29. | John Williamson, labor.....            | 35.25     |  |
| June 29. | G. H. Robinson, hauling stone.....     | 100.50    |  |
| June 13. | B., C. R. & N. R. R. Co., freight..... | 51.60     |  |
| June 25. | U. T. Pearson, lime.....               | 113.60    |  |
|          |  | \$ 730.86 |  |

Balance July 1, 1891.....\$ 1,269.14

## ELEVATOR FUND.

## RECEIPTS.

|          |   |             |  |
|----------|---|-------------|--|
| 1891.    |   |             |  |
| April 9. | 9. From appropriation of Twenty-Third General Assembly..... | \$ 1,500.00 |  |
|          |   | \$ 1,500.00 |  |

## EXPENDITURES.

|             |   |           |  |
|-------------|---|-----------|--|
| 1891.       |   |           |  |
| January 15. | A. D. Guernsey, traveling expenses..... | \$ 18.00  |  |
| June 12.    | Iowa State Penitentiary, cut stone..... | 106.00    |  |
| June 21.    | Edward McDonnell, stone.....            | 10.00     |  |
| June 29.    | H. P. Johnson, hauling and labor.....   | 84.00     |  |
| May 12.     | B., C. R. & N. R. R. Co., freight.....  | 74.61     |  |
| June 29.    | Frank Marte, labor.....                 | 225.00    |  |
| June 29.    | W. N. Davis, labor.....                 | 205.50    |  |
| June 29.    | Peter McArthur, sand.....               | 72.00     |  |
| June 29.    | Geo. Netcott, brick.....                | 199.50    |  |
|             |   | \$ 993.61 |  |

Balance July 1, 1891.....\$ 506.39

## HOSPITAL AT INDEPENDENCE.

[B10]

## ENLARGING CHAPEL.

## RECEIPTS.

|       |     |  |             |
|-------|-----|--|-------------|
| 1889. |     |  |             |
| July  | 10. | From appropriation of Twenty-Second General Assembly ..... | \$ 2,500.00 |
|       |     |  | \$ 2,500.00 |

## EXPENDITURES.

|           |     |  |             |
|-----------|-----|--|-------------|
| 1889.     |     |  |             |
| July      | 2.  | Dearborn Foundry Co., beams.....           | \$ 267.96   |
| July      | 6.  | B., C. R. & N. R. R. Co., freight.....     | 20.18       |
| July      | 26. | Anamosa penitentiary, stone.....           | 50.00       |
| September | 5.  | Josselyn & Taylor, services.....           | 82.60       |
| September | 7.  | Maresh & Holabor, ornaments.....           | 50.50       |
| September | 9.  | Edward McDonald & Leach, lumber.....       | 290.75      |
| September | 13. | H. W. Johns Manufacturing Co., felt.....   | 11.00       |
| September | 23. | Chas. G. Hipwell, slating.....             | 32.55       |
| September | 27. | D. H. Flester, labor.....                  | 105.00      |
| October   | 1.  | R. R. Plane & Co., labor and material..... | 319.75      |
| September | 30. | Bud Camp, labor.....                       | 116.25      |
| September | 30. | E. S. Wilcox, labor.....                   | 26.00       |
| September | 30. | Wm. Davis, labor.....                      | 207.00      |
| September | 30. | Chas. Munnings, labor.....                 | 100.00      |
| October   | 7.  | Mitchell & Halbach, decorating.....        | 464.83      |
| October   | 9.  | Sosman & Landis, scenery, etc.....         | 257.10      |
| October   | 9.  | American Express Co., express.....         | 7.00        |
| October   | 23. | Edwards, McDonald & Leach, lumber.....     | 90.84       |
|           |     |  | \$ 2,500.00 |

## LARGER STEAM PIPE.

## RECEIPTS.

|       |     |  |             |
|-------|-----|--|-------------|
| 1889. |     |  |             |
| July  | 10. | From appropriation of Twenty-Second General Assembly ..... | \$ 1,500.00 |
|       |     |  | \$ 1,500.00 |

## EXPENDITURES.

|           |     |   |             |
|-----------|-----|---|-------------|
| 1889.     |     |   |             |
| July      | 19. | Crane Bros. Manufacturing Co., pipe.....    | \$ 1,043.80 |
| July      | 23. | B., C. R. & N. R. R. Co., freight.....      | 34.00       |
| September | 11. | John H. McConnell & Co., pipe covering..... | 240.00      |
| September | 30. | Hathaway & Coughlin, labor, etc.....        | 63.80       |
| November  | 1.  | Marshall Field & Co., duck.....             | 118.31      |
|           |     |   | \$ 1,500.00 |

## CONSERVATORY

|       |     |  |             |
|-------|-----|--|-------------|
| 1891. |     |  |             |
| June  | 30. | Neither received nor expended yet..... | \$ 2,000.00 |
|       |     |  | \$ 2,000.00 |

1891.]

## REPORT OF THE STEWARD.

## CURRENT EXPENSE FUND.

Exhibit of Steward for year ending June 30, 1890.

## RECEIPTS.

|  |                             |
|--|-----------------------------|
| From balance on hand July 1, 1889.....                   | \$ 1,951.61                 |
| From Treasurer of State .....                            | 131,082.00                  |
| From board and clothing paid by friends of patients..... | 1,914.10                    |
| From hides and tallow sold .....                         | 1,662.44                    |
| From sundry articles sold.....                           | 430.06                      |
| From farm stock, etc., sold.....                         | 1,810.58                    |
|  | \$ 138,850.79 \$ 138,850.79 |

## EXPENDITURES.

|   |               |
|---|---------------|
| For vouchers unpaid June 30, 1889.....                  | 30,974.85     |
| For meats and fish .....                                | 11,905.51     |
| For breadstuffs.....                                    | 6,045.80      |
| For fruit .....   | 2,389.85      |
| For tea and coffee.....                                 | 4,116.94      |
| For sugar and syrup.....                                | 3,640.18      |
| For butter .....  | 7,874.87      |
| For eggs and cheese.....                                | 1,070.30      |
| For sundry groceries .....                              | 2,134.34      |
| For medical supplies .....                              | 2,907.26      |
| For postage and stationery.....                         | 647.54        |
| For clothing .....                                      | 7,824.20      |
| For library and diversions.....                         | 1,036.65      |
| For furniture and furnishing.....                       | 5,746.65      |
| For repairs.....  | 5,611.26      |
| For hardware.....                                       | 1,826.33      |
| For contingencies.....                                  | 1,308.91      |
| For water .....   | 1,416.67      |
| For farm .....  | 5,067.64      |
| For soap.....   | 2,445.21      |
| For lights .....  | 3,148.70      |
| For fuel .....  | 10,639.57     |
| For salaries and wages .....                            | 42,997.63     |
| Total .....   | \$ 161,966.76 |
| Vouchers for quarter ending June 30, 1890, unpaid ..... | 30,317.23     |
| Balance on hand June 30, 1890.....                      | \$ 7,210.26   |
|   | \$ 131,649.53 |

## CURRENT EXPENSE FUND.

Exhibit of Steward for year ending June 30, 1891.

## RECEIPTS.

|   |                             |
|---|-----------------------------|
| From balance on hand July 1, 1890.....                    | \$ 7,210.26                 |
| From Treasurer of State .....                             | 127,030.00                  |
| From board and clothing paid by friends of patients ..... | 2,024.54                    |
| From hides and tallow sold .....                          | 1,460.14                    |
| From sundry articles sold.....                            | 517.12                      |
| From farm stock, etc., sold.....                          | 1,477.77                    |
|   | \$ 139,709.83 \$ 139,709.83 |

## EXPENDITURES.

|  |              |
|--|--------------|
| For vouchers unpaid June 30, 1890..... | \$ 30,317.23 |
| For meats and fish .....               | 12,063.65    |
| For breadstuffs.....                   | 6,453.02     |
| For fruit .....                        | 2,194.05     |
| For tea and coffee .....               | 4,171.74     |
| For sugar and syrup.....               | 3,019.90     |
| For butter.....                        | 7,250.79     |
| For eggs and cheese .....              | 1,042.89     |
| For sundry groceries .....             | 2,631.78     |
| For medical supplies .....             | 3,767.10     |
| For postage and stationery .....       | 743.37       |
| For clothing.....                      | 6,355.82     |
| For library and diversions.....        | 1,381.62     |
| For furniture and furnishing.....      | 4,874.90     |
| For repairs.....                       | 4,630.20     |
| For hardware.....                      | 1,271.58     |
| For contingencies.....                 | 1,260.75     |
| For water.....                         | 1,416.97     |
| For farm.....                          | 6,227.64     |
| For soap.....                          | 1,865.27     |
| For lights.....                        | 2,608.70     |
| For fuel.....                          | 10,454.54    |
| For salaries and wages .....           | 43,052.96    |

Total ..... \$ 150,155.47

Vouchers for quarter ending June 30, 1891, unpaid ..... 28,104.38

\$ 131,051.09

Balance on hand June 30, 1891..... 8,658.74

## PRODUCTS OF FARM AND GARDEN.

For year ending June 30, 1890.

|  |          |
|--|----------|
| Asparagus, 255 bunches, @ 5 cents.....       | \$ 12.75 |
| Apples, 42 bushels, @ 75 cents.....          | 9.00     |
| Beans, 170 bushels, @ 2 dollars.....         | 340.00   |
| Beets, 375 bushels, @ 45 cents.....          | 168.75   |
| Beet greens, 100 bushels, @ 30 cents.....    | 30.00    |
| Beans, string, 84 bushels, @ 50 cents.....   | 42.00    |
| Beans, Lima, 7 bushels, @ 2 dollars.....     | 14.00    |
| Carrots, 500 bushels, @ 25 cents.....        | 125.00   |
| Cabbage, 7,800 heads, @ 8 cents.....         | 624.00   |
| Cauliflower, 700 heads, @ 10 cents.....      | 70.00    |
| Celery, 6,500 bunches, @ 10 cents.....       | 650.00   |
| Crab-apples, 3 bushels, @ 50 cents.....      | 1.50     |
| Currants, 2,500 quarts, @ 6 cents.....       | 150.00   |
| Cucumbers, 8,000, @ \$1.00 per thousand..... | 80.00    |
| Grapes, 900 pounds, @ 7 cents.....           | 63.00    |
| Hops, 20 bushels, @ 50 cents.....            | 10.00    |
| Hay, 400 tons, @ 4 dollars.....              | 1,600.00 |
| Lettuce, 250 bushels, @ 30 cents.....        | 75.00    |
| Mangels, 550 bushels, at 40 cents.....       | 220.00   |
| Oats, 3,626 bushels, @ 17 cents.....         | 616.42   |
| Onions, 325 bushels, @ 75 cents.....         | 243.75   |
| Onions, 560 bunches, @ 10 cents.....         | 56.00    |
| Potatoes, 6,183 bushels, @ 25 cents.....     | 1,545.75 |
| Parsnips, 140 bushels, @ 30 cents.....       | 42.00    |
| Peppers, 4 bushels, @ \$1.50.....            | 6.00     |
| Peas, 70 bushels, @ 70 cents.....            | 49.00    |
| Pumpkins, one load.....                      | 1.00     |
| Raspberries, 1,450 quarts, @ 10 cents.....   | 145.00   |

|  |              |
|--|--------------|
| Radishes, 130 bushels, @ 40 cents.....       | \$ 52.00     |
| Radishes, horse, 18 bushels, @ 35 cents..... | 6.30         |
| Rhubarb, 575 bushels, @ 5 cents.....         | 28.75        |
| Rye, 130 bushels, @ 40 cents.....            | 52.00        |
| Salsify, 30 bushels, @ \$1.00.....           | 30.00        |
| Sweet corn, 175 bushels, @ 40 cents.....     | 70.00        |
| Spinach, 25 bushels, at 30 cents.....        | 7.50         |
| Sage, 40 bushels, @ 50 cents.....            | 20.00        |
| Squash, winter, 1,250, @ 8 cents.....        | 100.00       |
| Squash, summer, 975, @ 10 cents.....         | 97.50        |
| Turnips, 600 bushels, @ 25 cents.....        | 150.00       |
| Tomatoes, 645 bushels, @ 75 cents.....       | 483.75       |
| Bulls sold, 1, @.....                        | 18.08        |
| Calves sold, 29, @.....                      | 45.50        |
| Cows from dairy, 2, 2,400 lbs.....           | 60.00        |
| Hogs (stock) sold, 7.....                    | 70.00        |
| Hogs slaughtered, 58.....                    | 711.27       |
| Hogs sold, 126, 42,385 pounds.....           | 1,473.20     |
| Horses sold, 1.....                          | 85.00        |
| Milk used from dairy, 44,500 gallons.....    | 6,075.00     |
| Potatoes sold.....                           | 1.50         |
| Use of farm teams and driving horses .....   | 27.75        |
| Veals slaughtered, 5.....                    | 37.50        |
| Total .....                                  | \$ 20,039.77 |

## EXPENSE CHARGED TO FARM, 1890.

|   |             |
|---|-------------|
| Board and pay of teamsters, gardeners and farm hands..... | \$ 3,841.00 |
| Blacksmithing .....                                       | 313.15      |
| Bulls purchased, 1.....                                   | 60.00       |
| Cows purchased, 11.....                                   | 313.50      |
| Corn purchased for seed.....                              | 1.76        |
| Feed purchased.....                                       | 819.50      |
| Hogs purchased.....                                       | 80.00       |
| Horses purchased, 4.....                                  | 450.00      |
| Harness and repairs .....                                 | 228.15      |
| Hay raised and consumed.....                              | 1,000.00    |
| Mangels raised and consumed.....                          | 220.00      |
| Oats purchased.....                                       | 135.15      |
| Oats raised and consumed.....                             | 616.42      |
| Seeds and plants purchased.....                           | 35.67       |
| Swill.....  | 500.00      |
| Rent of farm land.....                                    | 70.00       |
| Paid for threshing .....                                  | 65.09       |
| Machinery purchased.....                                  | 382.85      |
| Rye purchased.....  | 27.94       |
| Posts purchased.....                                      | 61.00       |
| Straw purchased.....                                      | 76.01       |
| Repairing wagons and farming implements.....              | 100.15      |
| Carriages purchased, 2.....                               | 352.00      |

\$ 10,410.24

Profit for year ending June 30, 1890..... 9,629.53

\$ 20,039.77

## PRODUCTS OF FARM AND GARDEN.

For year ending June 30, 1891.

|  |          |
|--|----------|
| Asparagus, 400 bunches, at 5 cents.....    | \$ 20.00 |
| Beets, 300 bushels, at 45 cents.....       | 135.00   |
| Beet greens, 150 bushels, at 30 cents..... | 45.00    |
| Beans, Lima, 40 bushels, at \$3.00.....    | 120.00   |

|   |              |
|---|--------------|
| Beans, white, 148 bushels, at \$2.00.....     | \$ 296.00    |
| Beans, string, 65 bushels, at 50 cents.....   | 32.50        |
| Carrots, 460 bushels, at 25 cents.....        | 115.00       |
| Cauliflower, 550 heads, at 8 cents.....       | 55.00        |
| Cucumbers, 666 dozen, at 12 cents.....        | 79.92        |
| Celery, 5,500 stalks, at 5 cents.....         | 275.00       |
| Cabbage, 9,820 heads, at 8 cents.....         | 785.60       |
| Currants, 685 quarts, at 8 cents.....         | 54.80        |
| Corn, sweet, 350 bushels, at 50 cents.....    | 175.00       |
| Egg-plant, 8 bushels, at \$1.00.....          | 8.00         |
| Grapes, 1,400 pounds, at 6 cents.....         | 84.00        |
| Hops, 108 pounds, at 50 cents.....            | 54.00        |
| Hay, 425 tons, at \$4.00.....                 | 1,700.00     |
| Lettuce, 300 bushels, at 30 cents.....        | 90.00        |
| Mangels, 340 bushels, at 40 cents.....        | 133.00       |
| Oats, 1,619 bushels, at 50 cents.....         | 647.50       |
| Onions, green, 750 bunches, at 10 cents.....  | 75.00        |
| Onions, 280 bushels, at \$1.00.....           | 280.00       |
| Potatoes, 4,550 bushels, at 80 cents.....     | 3,640.00     |
| Parsnips, 225 bushels, at 30 cents.....       | 67.50        |
| Peppers, 5 bushels, at \$1.50.....            | 7.50         |
| Pears, 50 bushels, at 75 cents.....           | 37.50        |
| Raspberries, 815 quarts, at 12 cents.....     | 97.80        |
| Radishes, 200 bushels, at 40 cents.....       | 80.05        |
| Radish, horse, 50 bushels, at 45 cents.....   | 22.50        |
| Rhubarb, 775 bunches, at 5 cents.....         | 38.75        |
| Rye, 838 bushels, at 50 cents.....            | 419.00       |
| Salsify, 50 bushels, at \$1.00.....           | 50.00        |
| Spinach, 15 bushels, at 40 cents.....         | 6.00         |
| Squash, winter, 150 dozen, at \$1.25.....     | 187.50       |
| Squash, summer, 180 bushels, at 20 cents..... | 36.00        |
| Sage, 70 pounds, at 50 cents.....             | 35.00        |
| Strawberries, 3,427 quarts, at 12 cents.....  | 411.24       |
| Tomatoes, 700 bushels, at 80 cents.....       | 560.00       |
| Turnips, 400 bushels, at 25 cents.....        | 100.00       |
| Calves sold, 36.....                          | 39.50        |
| Calves slaughtered, 4.....                    | 27.00        |
| Cows slaughtered, 8.....                      | 214.50       |
| Hogs slaughtered, 62.....                     | 648.25       |
| Hogs sold, 116.....                           | 1,256.25     |
| Horses sold, 2.....                           | 175.00       |
| Milk from dairy, 43,000 gallons.....          | 6,350.00     |
| Rye sold, 81 bushels.....                     | 40.50        |
| Use of farm teams.....                        | 1,300.00     |
|   | \$ 21,143.73 |

## EXPENSES CHARGED TO FARM, 1891.

|   |             |
|---|-------------|
| Board and pay of teamsters, gardeners and farm hands..... | \$ 3,437.00 |
| Blacksmithing.....  | 367.80      |
| Cows purchased, 6.....                                    | 186.30      |
| Corn purchased and consumed.....                          | 585.92      |
| Feed.....   | 2,147.66    |
| Fence posts and wire.....                                 | 99.50       |
| Hogs purchased.....                                       | 90.85       |
| Hay raised and consumed.....                              | 1,700.00    |
| Harness and repairs.....                                  | 116.60      |
| Machinery and repairs.....                                | 230.44      |
| Mangels raised and consumed.....                          | 133.00      |
| Oats raised and consumed.....                             | 647.50      |
| Oats purchased and consumed.....                          | 684.12      |

|   |              |
|---|--------------|
| Rent of land.....                         | \$ 43.00     |
| Seeds and plants.....                     | 42.82        |
| Swill.....                                | 560.00       |
| Straw purchased and consumed.....         | 132.27       |
| Threshing grain.....                      | 60.97        |
|   | \$ 11,275.85 |
| Profit for year ending June 30, 1891..... | 9,867.88     |
|   | \$ 21,143.73 |

## TREASURER'S REPORT.

TREASURER'S OFFICE,  
INDEPENDENCE, IOWA, June, 30, 1891. }

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

The following report of the Treasurer of said Hospital, showing the receipts and disbursements of the several funds coming into his hands for the years commencing June 30, 1889, and ending June 30, 1891, is respectfully submitted.

GEO. W. BEMIS,  
*Treasurer.*

## CURRENT EXPENSE FUND.

*Exhibit from June 30, 1889, to June 30, 1890.*

|   |               |
|---|---------------|
| Balance on hand June 30, 1889.....                      | \$ 1,951.61   |
| Receipts to June 30, 1890, from Treasurer of State..... | 131,082.00    |
| Receipts to June 30, 1890, from Steward.....            | 5,826.18      |
|   | \$ 138,859.79 |
| By payment of orders to June 30, 1890.....              | 131,649.53    |
| Balance on hand June 30, 1890.....                      | \$ 7,210.26   |

*Exhibit from June 30, 1890, to June 30, 1891.*

|   |               |
|---|---------------|
| Balance on hand June 30, 1890.....                      | \$ 7,210.26   |
| Receipts to June 30, 1891, from Treasurer of State..... | 127,020.00    |
| Receipts to June 30, 1891, from Steward.....            | 5,479.57      |
|   | \$ 130,709.83 |
| By payment of orders to June 30, 1891.....              | 131,051.09    |
| Balance on hand June 30, 1891.....                      | \$ 8,658.74   |

## CONTINGENT FUND.

*An exhibit showing the receipts and disbursements for each month for the biennial period commencing June 30, 1889, and ending June 30, 1891.*

| DR.         |                     |             | CR.         |                    |             |
|-------------|---------------------|-------------|-------------|--------------------|-------------|
| 1889.       |                     |             | 1889.       |                    |             |
| June 30.    | To balance.....     | \$ 266.72   | July        | By orders paid.... | \$ 1,021.62 |
| July 13.    | To requisition .... | 1,000.00    | October 19. | By orders paid.... | 245.10      |
| 1890.       |                     |             | 1890.       |                    |             |
| July 31.    | To requisition .... | 2,816.73    | April       | By orders paid.... | 603.45      |
| October 13. | To requisition .... | 1,186.11    | July        | By orders paid.... | 2,213.28    |
| 1891.       |                     |             | August      | By orders paid.... | 86.37       |
| January 17. | To requisition .... | 1,444.46    | October     | By orders paid.... | 732.26      |
| April 13.   | To requisition .... | 552.70      | November    | By orders paid.... | 367.04      |
|             |                     |             | 1891.       |                    |             |
|             | Total.....          | \$ 7,266.72 | January     | By orders paid.... | 1,444.90    |
|             |                     |             | February    | By orders paid.... | 159.42      |
| 1891.       |                     |             | June 30.    | By balance.....    | 393.28      |
| June 30.    | To balance.....     | \$ 333.28   | Total.....  |                    | \$ 7,266.72 |

## ORNAMENTING GROUND FUND—22d GENERAL ASSEMBLY.

*An exhibit showing receipts and disbursements for each month for the year commencing June 30, 1889, and ending June 30, 1890.*

| DR.      |                     |             | CR.        |                    |             |
|----------|---------------------|-------------|------------|--------------------|-------------|
| 1889.    |                     |             | 1889.      |                    |             |
| June 30. | To balance.....     | \$ 879.67   | July       | By orders paid.... | \$ 619.68   |
| July 13. | To requisition..... | 1,000.00    | October    | By orders paid.... | 543.55      |
|          |                     |             | November   | By orders paid.... | 171.75      |
|          | Total.....          | \$ 1,879.67 | December   | By orders paid.... | 150.75      |
|          |                     |             | 1890.      |                    |             |
|          |                     |             | January    | By orders paid.... | 289.41      |
|          |                     |             | February   | By orders paid.... | 113.53      |
|          |                     |             | Total..... |                    | \$ 1,879.67 |

## ORNAMENTING GROUND FUND—23d GENERAL ASSEMBLY.

*An exhibit showing the receipts and disbursements for each month for the biennial period commencing June 30, 1889, and ending June 30, 1891.*

| DR.       |                   |           | CR.       |                    |           |
|-----------|-------------------|-----------|-----------|--------------------|-----------|
| 1890.     |                   |           | 1890.     |                    |           |
| July 31.  | To requisition..  | \$ 74.29  | July.     | By orders paid.... | \$ 74.29  |
| 1891.     |                   |           | 1891.     |                    |           |
| April 13. | To requisition .. | 425.71    | April.    | By orders paid.... | 73.85     |
| June 30.  | To overdrawn...   | 99.34     | June.     | By orders paid.... | 451.20    |
|           | Total.....        | \$ 599.34 |           |                    | \$ 599.34 |
|           |                   |           | June. 30. | By overdrawn ....  | \$ 99.34  |

## ENLARGING AND PLACING GALLERY IN CHAPEL FUND—22d GEN. ASSEMBLY.

*An exhibit showing receipts and disbursements for each month for the biennial period commencing June 30, 1889, and ending June 30, 1891.*

| DR.      |                   |          | CR.        |                    |             |
|----------|-------------------|----------|------------|--------------------|-------------|
| 1889.    |                   |          | 1889.      |                    |             |
| July 13. | To requisition .. | \$ 25.00 | July.      | By orders paid.... | \$ 267.96   |
|          |                   |          | September. | By orders paid.... | 105.00      |
|          |                   |          | October.   | By orders paid.... | 2,036.20    |
|          |                   |          | 1890.      |                    |             |
|          |                   |          | January.   | By orders paid.... | 90.84       |
|          | Total.....        | \$ 25.00 | Total..... |                    | \$ 2,500.00 |

## CONTINUING CHANGES IN STEAM HEATING FUND—22d GENERAL ASSEMBLY.

*An exhibit showing receipts and disbursements for each month for the biennial period commencing June 30, 1889, and ending June 30, 1891.*

| DR.      |                   |             | CR.        |                    |             |
|----------|-------------------|-------------|------------|--------------------|-------------|
| 1889.    |                   |             | 1889.      |                    |             |
| July 13. | To requisition .. | \$ 1,500.00 | October.   | By orders paid.... | \$ 1,381.69 |
|          |                   |             | November.  | By orders paid.... | 118.31      |
|          | Total .....       | \$ 1,500.00 | Total..... |                    | \$ 1,500.00 |

## TILE FUND.

An exhibit showing the receipts and disbursements for each month for the biennial period commencing June 30, 1889, and ending June 30, 1891.

| Dr.     |     |                              | Cr.     |                             |  |
|---------|-----|------------------------------|---------|-----------------------------|--|
| 1890.   |     |                              | 1890.   |                             |  |
| October | 13. | To requisition.... \$ 189.54 | October | By orders paid....\$ 189.54 |  |
| 1891.   |     |                              | 1891.   |                             |  |
| January | 17. | To requisition..... 44.62    | January | By orders paid.... 44.62    |  |
|         |     | Total.....\$ 234.16          |         | Total.....\$ 234.16         |  |

## ELEVATOR FUND.

An exhibit showing the receipts and disbursements for each month for the biennial period commencing June 30, 1889, and ending June 30, 1891.

| DR.   |     |                                | CR.     |     |                             |
|-------|-----|--------------------------------|---------|-----|-----------------------------|
| 1891. |     |                                | 1891.   |     |                             |
| April | 13. | To requisition.....\$ 1,500.00 | January |     | By orders paid....\$ 123.00 |
|       |     |                                | June    |     | By orders paid.... 860.61   |
|       |     | Total .....\$ 1,500.00         | June    | 30. | By balance..... 516.39      |
| June  | 30. | To balance.....\$ 516.39       |         |     | Total .....\$ 1,500.00      |

## COAL HOUSE FUND.

An exhibit showing the receipts and disbursements for each month for the biennial period commencing June 30, 1889, and ending June 30, 1891.

| DR.   |     |                    |             | CR.   |     |                     |             |
|-------|-----|--------------------|-------------|-------|-----|---------------------|-------------|
| 1891. |     |                    |             | 1891. |     |                     |             |
| April | 13. | To requisition.... | \$ 2,000.00 | May   |     | By orders paid..... | \$ 314.90   |
|       |     |                    |             | June  |     | By orders paid..... | 415.96      |
|       |     | Total .....        | \$ 2,000.00 | June  | 30. | By balance.....     | 1,269.14    |
| June  | 30. | To balance.....    | \$ 1,269.14 |       |     | Total .....         | \$ 2,000.00 |

STATE OF IOWA, }  
COUNTY OF BUCHANAN, } ss.

I, Geo. W. Bemis, being first duly sworn, do depose and say, that the accompanying statement of the receipts and disbursements made by me as treasurer of the Iowa Hospital for the Insane, at Independence, Iowa, for the biennial period commencing June 30, 1889, and ending June 30, 1891, are true, as I verily believe.

GEO. W. BEMIS, *Treasurer.*

Subscribed in my presence and sworn to before me by Geo. W. Bemis, to me personally known, July 7, 1891.

[SEAL.]

M. W. HARMON, *Notary Public.*