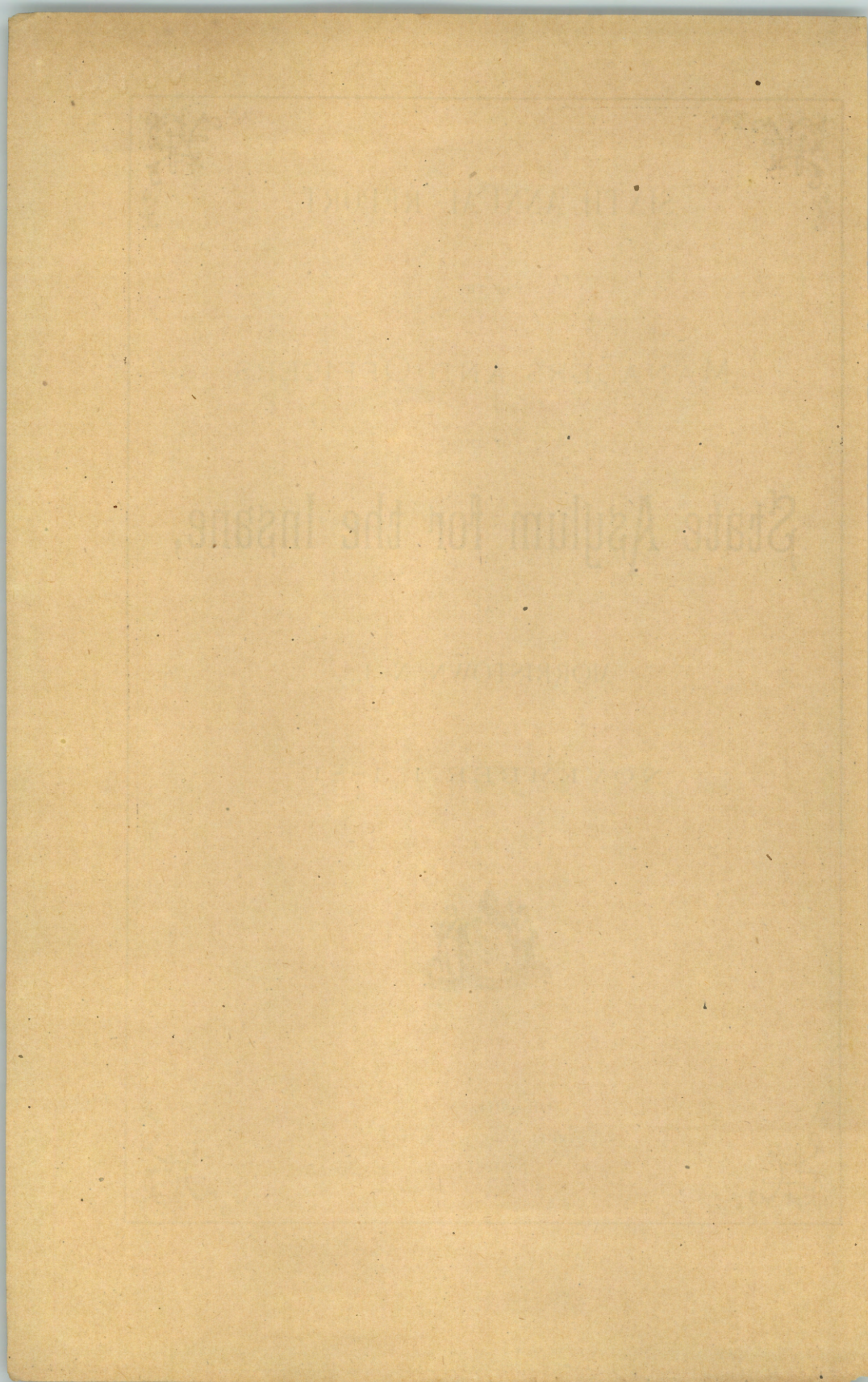


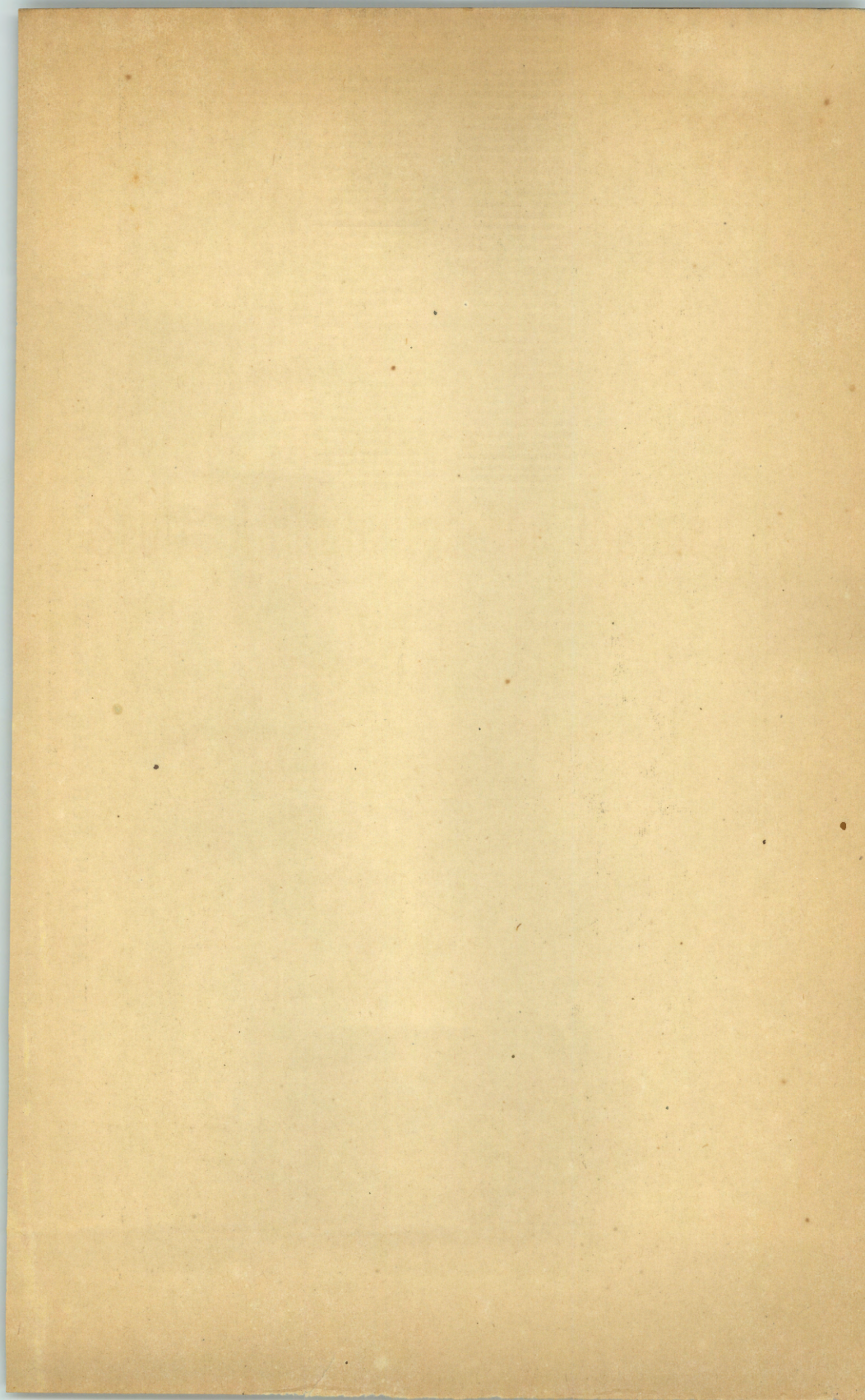
SIXTH ANNUAL REPORT
OF THE
MANAGERS AND OFFICERS
OF THE
State Asylum for the Insane,
AT
MORRISTOWN, N. J.,
NOVEMBER 1, 1881.



ORANGE, N. J.:
SAMUEL TOOMBS, PRINTER,
1881.

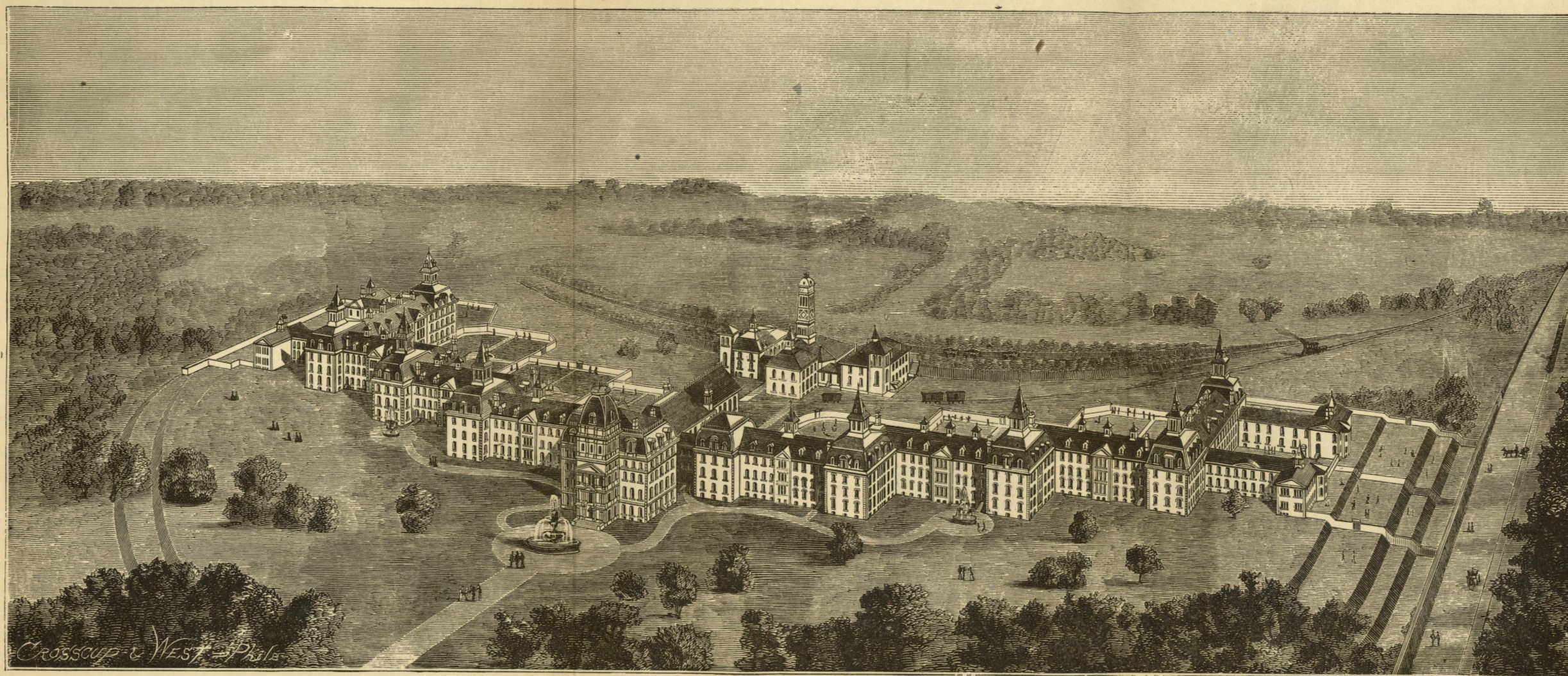
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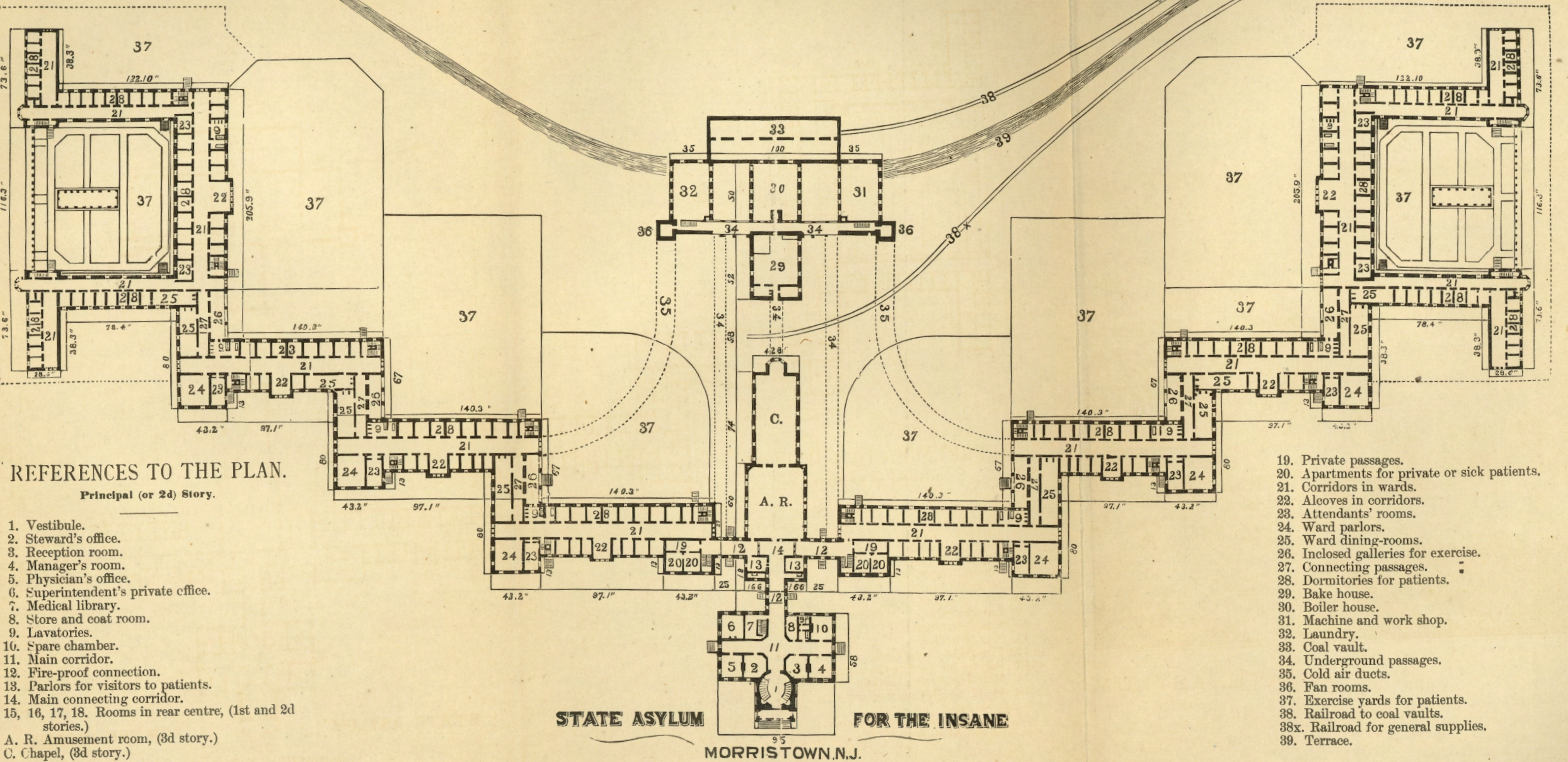




STATE ASYLUM FOR THE INSANE, AT MORRISTOWN, N. J.
(PERSPECTIVE VIEW.)



STATE ASYLUM FOR THE INSANE, AT MORRISTOWN, N. J.
(BIRD'S-EYE VIEW.)



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SCOTT (W) REPORT

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OF THE

STATE ASYLUM FOR INSANE

OF THE

MORRISTOWN, N. J.

GOVERNMENT PRINTING OFFICE

1890

New Jersey State Library

OFFICERS OF THE ASYLUM.

MANAGERS.

FRANCIS S. LATHROP, Madison,
BEACH VANDERPOOL, Newark,
ANTHONY RECKLESS, Red Bank,
GEORGE A. HALSEY, Newark,
WILLIAM G. LATHROP, Boonton,
JOHN S. READ, Camden,
JOSEPH D. BEDLE, Jersey City,
SAMUEL S. CLARK, M. D., Belvidere,
HIRAM C. CLARK, Newton.

OFFICERS OF THE BOARD OF MANAGERS.

PRESIDENT,
FRANCIS S. LATHROP, Madison.

SECRETARY,
HIRAM C. CLARK, Newton.

TREASURER,
EUGENE VANDERPOOL, Newark.

RESIDENT OFFICERS.

SUPERINTENDENT AND PHYSICIAN,
H. A. BUTTOLPH, M. D., LL. D.

ASSISTANT PHYSICIAN,
EDWIN E. SMITH, M. D.

SECOND ASSISTANT PHYSICIAN,
T. M. LLOYD, M. D.

STEWARD,
MARTIN B. MONROE.

MATRON,
MISS MARY TABOR.

MANAGERS' REPORT.

*To His Excellency George C. Ludlow, Governor of the
State of New Jersey:*

In compliance with the provisions of the tenth (10) section of the further supplement to the Act entitled "An Act to provide additional accommodations for the Insane of this State," approved April thirteenth, eighteen hundred and seventy-six, the Managers of "The State Asylum for the Insane, at Morristown, New Jersey," respectfully submit this, their

SIXTH ANNUAL REPORT,

and present herewith, as a part of their own report, the annual reports of the Superintendent, Steward and Treasurer, to which they refer for detailed and itemized statements of the work under their immediate charge.

The annual inventory taken as required by law makes the value of personal property belonging to the Asylum amount to the sum of ninety-nine thousand four hundred and seventy-three dollars and fourteen cents (\$99,473.14), an increase over that of last year of seven hundred and forty-nine dollars and ninety-eight cents (\$749.98).

An effective inspection of the Asylum has been maintained by weekly visits of one or more of the Managers, with but few exceptions, memorandums of which have been made in a book kept for that purpose, with the date of each visit.

During the year a storage reservoir, with a capacity of six million five hundred thousand (6,500,000) gallons, has been completed, thus insuring, against almost any possible contingency, an ample supply of pure water for the institution, the wisdom of which has been fully demonstrated during the last two summers.

The Managers desire to call special attention to the great necessity that exists of improving the grounds and the

other work still remaining to be done about the Asylum, to render it as originally intended, and therefore, in view of these facts, would respectfully ask for an appropriation of not less than thirty thousand dollars (\$30,000), to be expended for that purpose.

They would also call attention to the gift of a valuable collection of "Instruments of Precision," donated by a friend of the institution through Samuel S. Clark, M. D., of Belvidere, one of our Managers, a full list of which will be found in the Superintendent's report.

The suggestions of the Superintendent, under the head "Employment of the Insane," evince great care in their preparation, and are worthy of careful consideration.

The Managers cordially invite Your Excellency, the members of the Legislature and citizens of our State generally, to a careful inspection of the condition and management of the Asylum, believing that it will result in a higher estimate of its importance and usefulness.

The cleanliness and order prevailing throughout the institution are evidence of faithful and unwearied attention on the part of the officers and attendants, and the kind and careful treatment of the patients and sympathy manifested for them merit our commendation.

No change during the year has been made in the officers of the institution, and the Managers desire herewith to express their continued confidence in the Superintendent, the Assistant Physicians, Steward, Treasurer and Matron, and for the efficient manner in which they have performed the duties assigned to them we record our satisfaction and approval.

All of which is respectfully submitted.

FRANCIS S. LATHROP,
BEACH VANDERPOOL,
ANTHONY RECKLESS,
GEORGE A. HALSEY,
WILLIAM G. LATHROP,
JOHN S. READ,
JOSEPH D. BEDLE,
SAMUEL S. CLARK,
HIRAM C. CLARK,

Managers.

Dated, "State Asylum for the Insane, at Morristown, N. J.," November 1st, 1881.

TREASURER'S REPORT.

To the Board of Managers of the State Asylum for the Insane, at Morristown, N. J.:

GENTLEMEN—The Treasurer of the Asylum respectfully submits the following abstract of his receipts and expenditures from November 1st, 1880, to October 31st, 1881, inclusive.

DR.

Balance on hand November 1st, 1880.....		\$9,634 74
To amount received from the State Treasurer for county patients.....	\$25,693 13	
To amount received from sundry counties for support of county patients.....	96,201 52	
To amount received from the Steward of the Asylum for support of private patients.....	41,901 28	
To amount received from the Steward of the Asylum for hides, fat, old iron, etc.....	6,254 28	170,050 21
		<hr/> \$179,684 95

CR.

By amount paid M. B. Monroe, Steward's orders....	\$165,883 19	
By balance in Treasurer's hands.....	13,801 76	
	<hr/>	\$179,684 95

EUGENE VANDERPOOL,
Treasurer.

Dated "State Asylum for the Insane, Morristown, New Jersey," November 1st, 1881.

We hereby certify that we have examined the Treasurer's accounts and compared the same with his books and vouchers, and find them in accordance with the above statement, correctly stated and balanced.

WM. G. LATHROP,
GEO. A. HALSEY,
HIRAM C. CLARK,
JOHN S. READ,
Committee.

THE SECRETARY'S REPORT

At the Annual Meeting of the Board of Directors, held at the Hotel New York, New York, on the 15th day of December, 1911, the following report was presented and read:

The Secretary of the Board of Directors, in accordance with the resolution passed at the Annual Meeting of the Board of Directors, held at the Hotel New York, New York, on the 15th day of December, 1911, has the honor to report that the same has been duly filed with the Secretary of the State of New York, and that the same has been duly published in the New York State Register.

Very respectfully,
The Secretary of the Board of Directors.

WILLIAM H. HARRIS,
Secretary.

Witness my hand and the seal of the Board of Directors, at New York, New York, this 15th day of December, 1911.

The Board of Directors, at its meeting held on the 15th day of December, 1911, has approved the foregoing report, and has directed the Secretary to sign the same.

WILLIAM H. HARRIS,
Secretary.
JOHN J. HARRIS,
President.

STEWARD'S REPORT.

To the Board of Managers:

GENTLEMEN—In pursuance of the law organizing the Asylum, I have the honor to submit the following abstract of my accounts for the fiscal year ending October 31st, 1881, giving the receipts and expenditures during that period, classified to show the different purposes for which the expenditures have been made, together with a statement in detail of the products of the farm, garden and dairy, the value of which is estimated at \$10,077.11, to which should be added \$207.00 receipts for rents, making a total of \$10,284.11 as the returns, from which amount is deducted the cost of that department, amounting to \$6,305.97, leaving a balance of \$3,978.14 above the expenses, which result seems quite satisfactory, in view of the long period of drought which so seriously affected the later crops. The item of freight includes the charges for use of an engine in hauling coal from Morris Plains station to the Asylum. The continued period of severe cold weather last winter caused a considerable increase in our fuel account above the previous year, to which were also added the unpaid bills carried over from the preceding year. The accounts show a balance of \$12,892.06 cash on hand at the close of the year, all of which will be required to meet outstanding bills now due. The expenditures for repairs include the expense of repairing the railroad between the Asylum and Morris Plains, and as but little had been expended upon this branch since the institution was completed, considerable work and material were required to put the road in proper order.

The annual inventory and appraisement of personal property belonging to the Asylum was made as usual, the estimated value of which is \$99,473.14.

The Hon. George Dayton, of Bergen county, and Mr. Silas C. Halsey, of Newark, were appointed to assist me in this work, and for whose valuable assistance I am under great obligations.

Very respectfully,

M. B. MONROE,

Steward.

*Steward's Annual Abstract of Accounts for the year
ending October 31st, 1881.*

DR.		CR.	
To balance October 25th, 1880.....	\$9,634 74	Amusements.....	\$955 29
To amount received for board, clothing and incidental expenses of private patients.....	41,889 47	Books and stationery.....	355 55
To amount received for board, clothing and incidental expenses of county patients.....	96,201 52	Bedding, linen, etc.....	2,577 94
To amount received from State Treasurer for county patients....	25,093 13	Clothing.....	6,128 22
To amount received for sundries, rags, etc.....	280 88	Crockery.....	968 13
To amount received for hogs and calves.....	902 52	Farm and garden and farm imple- ments.....	6,305 97
To amount received for rents.....	207 00	Fixtures.....	3,241 27
To amount received for postage stamps.....	16 16	Flour.....	3,914 35
To amount received for hides, tal- low, etc.....	4,919 53	Feed and oats.....	2,177 71
		Fruit.....	1,644 89
		Freight.....	1,733 55
		Furniture.....	1,021 70
		Fuel.....	20,665 72
		Funeral expenses.....	691 60
		Fire apparatus.....	260 60
		Grounds and grading.....	1,715 20
		Harness, repairs, robes, blankets and stable supplies.....	270 37
		Hay and straw.....	1,022 32
		Household goods.....	377 41
		Improvement of buildings.....	2,764 78
		Incidentals, including brooms, brushes, pails, soap, waste, combs and brushes, razors and strops, telegrams, etc.....	1,600 20
		Insurance.....	250 00
		Light, including gas used as fuel in laundry and for cooking.....	2,137 89
		Laundry.....	2,931 90
		Medical supplies.....	1,465 38
		Newspapers.....	287 80
		Provisions and groceries.....	55,401 12
		Postage.....	350 00
		Petty current expenses.....	500 00
		Refunding.....	1,778 90
		Repairs.....	6,190 60
		Smith and wheelwright.....	711 83
		Stock.....	1,145 30
		Tools and supplies, boiler-house and machine.....	370 71
		Vegetables.....	1,389 53
		Wages.....	31,489 16
		Cash balance on hand.....	12,892 06
	\$179,684 95		\$179,684 95

Statement of Treasurer's and Steward's Balances.

1881.			
Nov. 1.	Balance per Treasurer's report.....		\$13,801 76
	Vouchers issued but not presented in time to be included, viz:		
	No. 523. Mrs. Catharine Kelly.....	\$40 43	
	No. 559. J. Van Wagner.....	46 13	
	No. 561. H. A. Luttgens.....	25 72	
	No. 562. John E. Wilson.....	32 96	
	No. 571. S. J. Hegeman.....	181 25	
	No. 573. John Ashcroft Manufacturing Co.....	224 50	
	No. 577. John H. Munn.....	29 44	
	No. 578. Joseph Smith.....	10 50	
	No. 579. Edward H. Seely, Sr.....	67 75	
	No. 580. J. Henry Johnson.....	200 00	
	No. 581. Josie Combs.....	15 00	
	No. 582. Mary Roberts.....	16 00	
	No. 583. John J. Edwards.....	20 00	
	No. 276. Error.....	2	909 70
	Balance as per Steward's report.....		\$12,892 06

Respectfully submitted,

M. B. MONROE,
*Steward.*Dated "State Asylum for the Insane, at Morristown,
N. J.," Nov. 1st, 1881.

State of New Jersey, Morris county, ss.—Martin B. Monroe, Steward of the "State Asylum for the Insane," being duly sworn, upon his oath saith that the foregoing is a correct and true abstract of the receipts and expenditures for the year ending October 31st, 1881, and that the accounts of employees and patients have been kept and settled by him as provided in the act entitled "A further supplement to an act entitled 'An Act to provide additional accommodations for the Insane of this State,'" approved April 13th, 1876.

M. B. MONROE.

Sworn and subscribed to before me, this first day of
November, 1881.JOHN LILLY,
Supreme Court Commissioner.

ORIGINAL ARTICLES

THE EFFECT OF THE INFLUENZA VIRUS ON THE
RESISTANCE OF THE BODY TO INFECTION
BY DR. J. H. HAY
From the Department of Pathology, University of Chicago
Chicago, Ill.

THE EFFECT OF THE INFLUENZA VIRUS ON THE
RESISTANCE OF THE BODY TO INFECTION
BY DR. J. H. HAY

From the Department of Pathology, University of Chicago
Chicago, Ill.

It is well known that the influenza virus has a
marked effect on the resistance of the body to
infection. In the present study the effect of the
virus on the resistance of the body to infection
has been studied in the following manner: A
series of experiments have been conducted in
which the resistance of the body to infection
has been determined in the following manner:

1. The resistance of the body to infection

has been determined in the following manner:

2. The resistance of the body to infection

has been determined in the following manner:

3. The resistance of the body to infection

has been determined in the following manner:

4. The resistance of the body to infection

has been determined in the following manner:

5. The resistance of the body to infection

has been determined in the following manner:

6. The resistance of the body to infection

has been determined in the following manner:

7. The resistance of the body to infection

has been determined in the following manner:

8. The resistance of the body to infection

has been determined in the following manner:

9. The resistance of the body to infection

has been determined in the following manner:

10. The resistance of the body to infection

has been determined in the following manner:

11. The resistance of the body to infection

has been determined in the following manner:

12. The resistance of the body to infection

has been determined in the following manner:

SUPERINTENDENT'S REPORT.

To the Managers of the Asylum :

GENTLEMEN—In compliance with the law for organizing the Asylum, the Superintendent submits his annual report:

	Men.	Women.	Total.
Patients in the Asylum October 31st, 1880.....	277	309	586
Patients received since to November 1st, 1881.....	107	80	187
Under care during the year.....	384	389	773
Discharged recovered.....	20	15	35
" improved.....	23	17	40
" unimproved.....	3	5	8
Died.....	28	21	49
Discharged and died.....	74	58	132
Remaining October 31st, 1881.....	310	331	641
Of this number there are.....	County. 517	Private. 124	Total. 641
Whole number received from opening of Asylum, August 17th, 1876, to November 1st, 1881.....	Men. 600	Women. 586	Total. 1,186
Discharged recovered.....	78	64	142
" improved.....	96	98	194
" unimproved.....	13	17	30
Died.....	103	76	179
Whole number discharged and died.....	290	255	545
Whole number remaining.....	310	331	641
Total discharged and remaining.....	600	586	1,186

STATISTICAL TABLES.

I.

	Men.	Women.	Total.
Sexes.....	600	586	1,186

II.

	Men.	Women.	Total.
Ages between 5 and 10.....	1	1	2
“ “ 10 and 15.....	5	2	7
“ “ 15 and 20.....	28	19	47
“ “ 20 and 30.....	126	130	256
“ “ 30 and 40.....	159	173	332
“ “ 40 and 50.....	114	113	227
“ “ 50 and 60.....	79	81	160
“ “ 60 and 70.....	39	44	83
“ “ 70 and 80.....	16	19	35
“ “ 80 and 90.....	3	4	7
	600	586	1,186

III.

DOMESTIC STATE.	Men.	Women.	Total.
Married.....	267	265	532
Unmarried.....	289	231	520
Widowers.....	40		40
Widows.....		80	80
Divorced.....		5	5
Unknown.....	4	5	9
	600	586	1,186

IV.

NATIVITY.	Men.	Women.	Total.
New Jersey.....	223	177	400
New York.....	114	98	212
Pennsylvania.....	12	15	27
Massachusetts.....	7	10	17
Ohio.....	7	3	10
Maine.....	6	1	7
New Hampshire.....	1	2	3
Connecticut.....	5	8	13
Vermont.....	2	1	3
Virginia.....		2	2
Georgia.....	2		2
Louisiana.....		1	1
Iowa.....		1	1
Michigan.....		1	1
Illinois.....		1	1
Maryland.....	1	2	3
North Carolina.....	1	1	2
South Carolina.....	1		1
Texas.....	1		1
Missouri.....	1		1
District of Columbia.....		1	1
Florida.....		1	1
Rhode Island.....	1	1	2
Ireland.....	87	114	201
Germany.....	61	72	133
England.....	25	31	56
Wales.....	3	2	5
Scotland.....	6	6	12
Canada.....	2	1	3
Prussia.....	1	2	3
France.....	4	4	8
Holland.....	2	1	3
Sweden.....	2	3	5
Norway.....	1		1
Denmark.....		1	1
Poland.....	1		1
Austria.....	1	1	2
Nova Scotia.....	2		2
West Indies.....	3		3
British Honduras.....	1		1
Switzerland.....		1	1
Africa.....	1		1
Russia.....	1	1	2
Unknown.....	11	19	30
	600	586	1,186

V.

HOW SENT.	Private.	Indigent.	Pauper.	Criminal.	Total.
Bergen.....	13	79	4	1	97
Essex.....	61	77	7	2	147
Hudson.....	49	130	5	2	186
Morris.....	28	79	10	10	127
Passaic.....	15	94	4	1	114
Sussex.....	9	35	6	1	51
Union.....	31	148	16	1	196
Warren.....	11	78	1	2	92
Middlesex.....	8				8
Monmouth.....	5				5
Camden.....	1				1
Mercer.....	1				1
Hunterdon.....	3				3
Ocean.....	1				1
Somerset.....	2				2
New York.....	131				131
Louisiana.....	2				2
Georgia.....	1				1
Pennsylvania.....	2				2
Connecticut.....	2				2
Ohio.....	1				1
Nova Scotia.....	1				1
British Honduras.....	1				1
Maine.....	12				12
Virginia.....	2				2
	393	720	53	20	1,186

VI.

DURATION OF DISEASE PREVIOUS TO ADMISSION.	Men.	Women.	Total.
Less than 1 year.....	172	194	366
More than 1 year.....	102	67	169
" 2 years.....	75	50	125
" 3 ".....	41	36	77
" 4 ".....	29	24	53
" 5 ".....	34	31	65
" 6 ".....	19	20	39
" 7 ".....	22	15	37
" 8 ".....	16	15	31
" 9 ".....	10	8	18
" 10 ".....	13	20	33
" 11 ".....	6	6	12
" 12 ".....	9	9	18
" 13 ".....	6	6	12
" 14 ".....	1	4	5
" 15 ".....	7	14	21
" 16 ".....	5	5	10
" 17 ".....	6	2	8
" 18 ".....	2	1	3
" 19 ".....	2	4	6
" 20 ".....	8	8	16
" 21 ".....	1	3	4
" 22 ".....	1	4	5
" 23 ".....	2	4	6
" 24 ".....	1	1	2
" 25 ".....		3	3
" 27 ".....	1	1	2
" 28 ".....		2	2
" 30 ".....	1	8	9
" 31 ".....	1	1	2
" 33 ".....		1	1
" 34 ".....		1	1
" 35 ".....	1	1	2
" 36 ".....		1	1
" 40 ".....	1		1
" 45 ".....		1	1
Unknown years.....	5	15	20
	600	586	1,186

GENERAL RESULTS AND OBSERVATIONS.

The number of patients under care at the close of the last year, October 31st, 1880, was five hundred and eighty-six—two hundred and seventy-seven men and three hundred and nine women.

The number received since, viz., from November 1st, 1880, to October 31st, 1881, inclusive, was one hundred and eighty-seven—one hundred and seven men and eighty women.

The number of cases under treatment during the year was seven hundred and seventy-three—three hundred and eighty-four men and three hundred and eighty-nine women.

Of the one hundred and thirty-two discharged and died during the year, thirty-five (twenty men and fifteen women) were discharged as recovered; forty (twenty-three men and seventeen women) as improved; eight (three men and five women) as unimproved, and forty-nine (twenty-eight men and twenty-one women) died.

There remained at the close of the year six hundred and forty-one patients, of whom three hundred and ten were men and three hundred and thirty-one were women.

Of these, five hundred and seventeen were supported at public charge and one hundred and twenty-four by friends, as private.

Death occurred in one case from congestion of the brain; in one from congestion of the lungs; in two from epilepsy; in two from consumption; in four from disease of the heart; in five from apoplexy; in six from exhaustion of acute mania; in ten from general paralysis, and in eighteen from general (chronic) exhaustion of system.

It will be observed that death occurred in a very large proportion of the cases from causes indicating the existence of disease of long standing.

The general health of the household during the past year has been exceptionally good.

As heretofore, the large number, indeed proportion, of chronic cases over those of a recent and more curable character, has tended to diminish or limit the number of recoveries and increase the number of deaths.

It may also be added, in this connection, that of the cases admitted during the past year, in about two-thirds of all, the disease had assumed the chronic form before they were committed to our care. This is an unfortunate circumstance for all parties concerned; for the subjects of disease, especially, because a life-long affliction has been established in so many cases for the want of earlier and more timely care; for the family, which has, perhaps, lost its head and dependence for support; for society, which has lost a useful member; and, lastly, for the institution adopted for his or her treatment, and which may fail to do its highest and most to be desired work, through undue delay in his admission.

FARM AND GARDEN.

For more particular information in regard to these departments, reference is made to the lists of products received from them, in another part of this report.

It should be stated, however, that much of the past season

has been exceptionally unfavorable for crops, by reason of the prolonged drought of summer and autumn.

Some of the crops, however, especially those of hay and oats, that had their main growth early in the season, were fair in quality and extent; while nearly all others, as corn, potatoes, pasture for stock, as well as most garden vegetables, were inferior in quality and limited in quantity.

IMPROVEMENT OF GROUNDS.

This department is regarded, by the writer, as one of great importance, as connected with the facilities of the institution for carrying out successfully, its great and benevolent purposes. However well adapted the building may be, in its arrangement, construction, etc., for the purpose intended, yet, as in the fine climate of this region, for several months in the year it is both agreeable and advantageous for the inmates to pass much time in the open air, it is highly important that the general plan of laying out the grounds, if well adapted for the purpose, should be carried out in detail, with as little delay as possible.

To recall a more definite idea of the nature and extent of what is required, I take the liberty of repeating, in part, the language of a former report. It was stated, what all will admit, that the institution cannot be rendered attractive and useful in the highest degree until the grounds in its vicinity are, by cultivation, brought into constant use by the inmates, for the purpose of healthful and pleasurable exercise.

The design proposed for laying them out, in addition to carriage drives approaching the door-ways of the centre building and the three front wings on either side, embraces, also, a central avenue of approach in front, fifty feet wide, finished in a substantial manner, with stone-paved gutters, also with double rows of shade trees on either side, with walks between.

By this arrangement, the front grounds will be divided for free use by both sexes at the same time, a point of great practical importance.

In addition to the central avenue, carriage drives with trees on both and walks on one side, will be laid from the centre right and left, about one mile in extent, to encircle the grounds and meet at the central avenue, within the general inclosure, about one-third of a mile distant from the main building. This arrangement of the grounds would render it possible to have a gate lodge located at the proper point, which would be at the junction of the side roads with the central avenue.

The extent of carriage drives and shaded walks thus formed within the grounds would greatly lessen the motive for going beyond them for many who walk for exercise, and even for many who drive for the benefit of temporary change from the wards of the building.

These roads, particularly the central avenue, should be excavated and filled with stone, and all of them finished with a coating of broken stone or gravel, to insure a dry and permanent surface.

To finish these, grade the grounds generally, plant trees, lay the necessary walks, etc., will, of course, involve considerable expense, but, when completed, will be of great utility and require little expense for repairs afterward.

The top soil, in making the needful excavation, supplies what is needed for surface dressing for grass plots, borders to roadways, terraces, etc., and for such purposes there will be large demand.

When this arrangement of roads and drives is completed, with gate lodge, as proposed, to command the entrance to grounds, the outside travel, or that between Morristown and surrounding places, can be excluded.

As now situated, the roads through the private grounds of the Asylum are used as thoroughfares, not only for carriages, but for such heavy carting as to give them at all times undesirable, and at certain seasons, very injurious wear.

The practical question which presents itself is how to procure the means for defraying the expense of these improvements. In view of the great extra expense attending the organization and opening of a large establishment; in view, also, of the fact that the annual income of the institution was lessened by several thousand dollars, through an act of the last Legislature, reducing the price of board fifty cents per week for all patients at county charge, it is evident that the improvement of grounds, so much needed, cannot be made from funds to be derived from its current income within a reasonable period.

WATER SUPPLY.

During the last season the excavation for a storage reservoir, with capacity for six and a half million gallons, and commenced the year before, was finished and the interior surface of the banks carefully stoned to a point three feet above the water line.

It is now ready for use whenever the flow of water from mountain springs shall increase sufficiently, through the agency of fall and winter rains and snows, to fill it.

It may be added that the state of the water supply from the original sources during the extreme drought of last summer and even to this date, was and is such as to fully justify the movement in favor of this work.

EMPLOYMENT OF THE INSANE.

To persons accustomed to manual labor, and even to many who have not regularly engaged in it, some employment involving muscular exercise and some concentration of attention is highly advantageous as a means of improving the physical and, through it, the mental state.

This is known by observation and experience, but it is, also, inferable directly from the fact that in all cases of mental derangement there is loss of balance and harmony in the physical powers as well.

To relieve this and to restore the natural relation between the vital forces of the body and brain, useful regular employment, where persons are able and willing to engage in it, is often, especially in chronic cases, the most available means of relief.

The principle of its action is, that through muscular exercise the flow of blood is increased to all the organs and parts of the body, including the brain. Again, the effect of a greater flow of blood to the brain, is to develop a greater supply of nervous power to the digestive organs, thus increasing appetite, improving digestion and through it, the nutrition of the body. If, in connection with an improved nutrition, the brain is brought to a state to take natural rest in sleep, the recuperation will be still more certain and rapid.

If it be impracticable to find employment suited to an individual, or that he is able or willing to take, it becomes necessary to fall back upon some light occupation, as walking, riding, the various out and in-door games; also, upon such entertainments and amusements as can be brought within reach. Among the latter would be classed instrumental and vocal music, attending lectures, theatrical representations, dancing, croquet, foot-ball, base-ball, billiards, cards, chess, checkers, etc.

The important principle to be kept in view is to so adapt the employment, occupation or amusements to the strength, previous habits and tastes of individuals, as to give due invigoration to the physical, and useful and agreeable diversion to the mental powers of all.

It may be added, however, as a fact to be much regretted, that there are in many or in most of the institutions of the country, a very large number or proportion of both sexes,

whose physical powers and whose mental faculties are so much impaired in activity and strength, as to render them incapable of engaging in useful employment, or of receiving pleasure to any considerable extent, from the occupations and amusements in which others engage with satisfaction and benefit.

FORMS FOR THE ADMISSION OF PATIENTS.

PRIVATE PATIENTS.

For the admission of this class, three forms are used: A certificate of insanity by a regular physician, made under oath before a magistrate; a request for their admission, in writing; and a bond with two signers, duly witnessed, for their support, removal, etc., and with proper reference as to responsibility, if the parties are not personally known.

POOR AND INDIGENT PATIENTS.

For the admission of poor or pauper patients, application should be made by the Overseer of the township or ward of the city where they reside to a Judge of the Court of Common Pleas of the county; and, for one of the indigent class (a person of some, but small means), by a friend to the same officer.

Copies of the above-named forms are given in the Appendix to this report, and printed blanks for use will be furnished on application to the Superintendent of the Asylum.

NOTICE TO PATIENTS OF THE PURPOSE OF FRIENDS.

Insane persons should generally be informed of the decision of friends to place them in an institution before leaving home for that purpose. Should this, however, be omitted from motives of expediency, it is important for the welfare of patients and the success of their treatment after admission, that great care be taken that no false or exaggerated statement be made to them in regard to the nature and objects of the institution, or the ability of the medical officers to give certain and speedy relief.

If this course is taken, the confidence of the patient is secured by the medical officer, and an important advantage gained in his treatment afterward.

ACKNOWLEDGMENTS.

From a friend of the institution, through Dr. Samuel S. Clark, of Belvidere, New Jersey, one of the managers of this Asylum, and who kindly made the selection, we have received a most valuable collection of "Instruments of Precision," consisting of one Binocular Microscope, with full accessory apparatus and case of mounted objects; one Ophthalmoscope (Loring's best); one Laryngoscope; one Sphygmograph (Pond's); one Dynamometer (Hamilton's); one Esthesiometer (Squier's); one Aspirator (new form, Phelps' make); one electro-medical apparatus, with full case of appliances (Kidder), and half a dozen clinical thermometers.

From Mrs. M. M. Rankin, of Baltimore, Md., we have received twenty-six volumes for patients' library.

From John S. Pierson, of New York, long a friend to institutions of this kind, a large collection of colored comic prints, which have been bound in two volumes, for the use of the patients.

Gratuitous copies of the following papers have been received: Jerseyman and Chronicle and Free Democratic Banner, Morristown, and Star of the Cape, Cape May, New Jersey.

From Fowler & Wells, one copy of the Phrenological Journal.

Many daily and weekly secular and many weekly religious papers and periodicals are taken by the institution, its officers and employees, which are largely read by the inmates.

Religious services in the chapel on Sunday have been regularly held during the past year.

To the Board of Managers I am under obligation for their interest in and their attention to the affairs of the institution.

Of the other resident officers and of the many employees who have given diligent co-operation in the affairs of the institution during the past year, I desire to speak in terms of grateful appreciation.

Respectfully submitted.

H. A. BUTTOLPH.

State Asylum for the Insane,
Morristown, Nov. 1, 1881.

APPENDIX TO STEWARD'S REPORT.

FARM AND GARDEN PRODUCTS.

GARDEN—1881.

78	Bushels spinach, 35c.....	\$27 48
2,488	Heads lettuce, $\frac{1}{4}$ c.....	6 22
73	Bushels asparagus, \$1.....	73 00
31	" rhubarb, 25c.....	7 75
126	" beets, 30c.....	37 80
59	Heads cauliflower, 6c.....	3 54
93 $\frac{1}{2}$	Bushels peas, \$1.....	93 50
58	" beans, string, 50c.....	29 00
46	" lima, 50c.....	23 00
282	" potatoes, \$1.....	282 00
12 $\frac{1}{2}$	" squash, 100, 4c.....	4 00
38 $\frac{1}{2}$	" cucumbers, 50c.....	19 25
217	" tomatoes, 40c.....	86 80
13	" onions, 70c.....	9 10
1,368	Heads cabbage, 5c.....	68 40
18,523	" sweet corn, $\frac{1}{4}$ c.....	138 92
477	Bundles corn-stalks, 3c.....	14 31
75	Bushels carrots, 30c.....	22 50
25	" oyster plant, 35c.....	8 75
100	" parsnips, 50c.....	50 00
25	" rutabaga turnips, 30c.....	7 50
100	Pumpkins, 3c.....	3 00
7,000	Heads celery.....	140 00
3	Bushels seed peas, \$1.....	3 00
679	Quarts strawberries, 10c.....	67 90
596	" red raspberries, 10c.....	59 60
186	" blackberries, 10c.....	18 60
2,926	" currants, 5c.....	146 30
8	Bushels peas, 35c.....	2 80
18	" apples, 30c.....	5 40
35 $\frac{1}{2}$	" grapes, 1,450 lbs., 6c.....	87 00
8	Baskets Bartlett pears, \$1.....	8 00
180	" peaches, \$1.....	180 00
3,566	Musk-melons, 4c.....	142 64
		\$1,877 06

DAIRY AND FARM—1881.

13,348	Gallons milk, 20c	\$2,669 60	
79½	Dozen eggs, 30c.	23 85	
1,386	Bundles corn fodder, 2c	27 72	
100	Tons hay, \$20	2,000 00	
10	" rye straw, \$22	220 00	
15	" oat straw, \$8	120 00	
698	Bushels corn in the ear, 35c.	244 30	
651	" potatoes, 80c.	520 80	
198	" " small. 50c.	99 00	
1,250	" oats, 45c.	562 50	
140	" rye, 90c.	126 00	
3,007	Bundles cornstalks, 3c.	90 00	
300	Pumpkins, 3c.	9 00	
900	Quinces, 1½c.	13 50	
215	Bushels apples, selected, 75c.	161 25	
305	" " cider, 40c.	122 00	
4	" " crab, \$1	4 00	
6	" pears, 75c.	4 50	
			7,028 02
24	Weeks' pasture for 22 cows		250 00
			\$9,155 08

STOCK—1881.

26	Calves, 3,829 lbs., 7c.	\$268 03	
50	Fowls, 75c.	37 50	
30	Turkeys, \$1.30	39 00	
210	Pigs, 10,500 lbs., 5½c.	577 50	
			922 03
			\$10,077 11

ACCOUNT OF FRUIT, &c., CANNED AND PRESERVED.

400	Gallons canned tomatoes.	12½	Gallons canned currants and
400	" " peaches.		raspberries.
127½	" " pears.	3½	" pickled peaches.
124	" " quinces.	61	" currant and quince jelly.
101	" " cherries.	12½	" " jam.
43	" " apples.		

MATTRESS ROOM REPORT, 1881.

ARTICLES MADE.

125	New single hair mattresses.	50	New feather pillows.
6	" double " "	1,400	Hair pillows (made over).
150	" hair pillows.	5	Sets furniture, upholstered.
145	Single hair mattresses (made over).	400	Bed protectors.
12	Double hair mattresses (made over).	150	Chairs caned.
		75	Brackets made.

MATRON'S REPORT.

ARTICLES MADE, 1881.

351 Dresses.	637 Sheets.
295 Petticoats.	946 Towels.
415 Chemises.	1,059 Pillow cases.
182 Aprons.	300 Counterpanes.
39 Night-gowns.	75 Mattresses.
143 Women's vests.	52 Curtains.
47 Sacques.	20 Lambrequins.
26 Skirts.	40 Table cloths.
28 Women's drawers.	108 Napkins.
85 Pairs stockings.	27 Bags.
48 Handkerchiefs.	36 Bed ties.
21 Camisoles.	12 Burial robes.
266 Shirts	8 Bread cloths.
177 Undershirts.	138 Blankets.
180 Men's drawers.	204 Neck ruffles.

EXTRACT FROM THE BY-LAWS.

ADMISSION OF PATIENTS.

ORDER OR WARRANT FILED.

1. Whenever a patient is sent to the Asylum by the order of any court, justice, or judge, the order or warrant, or a copy thereof, by which such person is sent, shall be lodged with the Superintendent.

CLEANLINESS.

2. Each patient, before admission, shall be made perfectly clean, and be free from vermin or any contagious or infectious disease.

CLOTHING FOR MEN.

3. Each male patient shall be provided with at least two shirts, a new and substantial coat, vest and pantaloons of strong woolen cloth, two pairs of socks, a black cravat, a good hat or cap, and a pair of new shoes or boots, together with a comfortable outside garment.

CLOTHING FOR WOMEN.

4. Each female patient, in addition to the same quantity of undergarments, shoes and stockings, shall have a flannel petticoat, two good dresses, also a cloak or other outside garment. In case the patient is so much excited as not to admit of being thus clothed, other clothing that can be kept on, that is comfortable and in sufficient quantity, with a change thereof, may be substituted.

It is very desirable that extra and better apparel should be sent with those accustomed to it, that when they become better, and when they attend religious worship, walk or ride out, their self-respect may be preserved.

In all cases the patient's best clothing should be sent—it will be carefully preserved, and only used when deemed necessary for the purposes above mentioned.

JEWELRY, &C.

5. Jewelry and all superfluous articles of dress, knives, etc., should be left at home, as they are liable to be lost

HISTORY OF CASE.

6. A written history of the case should be sent with the patient, and, if possible, some one acquainted with him should accompany him to the Asylum, from whom minute, but often essential, particulars may be learned.

TERMS OF ADMISSION.

7. The price of board, including washing and attendance, for all who are supported at public charge, is three dollars per week. For private patients, or those supported by themselves or their friends, the price varies from five to ten dollars, according to the trouble and expense incurred, and according to their ability to pay. Higher prices are paid by a special agreement with the Superintendent for extra attention and accommodations. Payments required to be made quarterly, in advance, from date of admission.

BOND, &C.

8. A bond, with satisfactory sureties, will be required for the payment of the board and expenses, and for the removal of the patient when discharged, of all persons excepting those sent at the expense of the counties.

Those who bring friends should be prepared to give such a bond, and if *strangers*, bring evidence of their responsibility.

FORMS AND DIRECTIONS

FOR THE ADMISSION, ETC., OF PRIVATE INSANE PATIENTS.*

FORM OF REQUEST.

*To the Superintendent of the "State Asylum for the Insane,
at Morristown, N. J.":*

The undersigned, of the — of —, in the county of —, is desirous of placing in the "State Asylum for the Insane, at Morristown, N. J.," and hereby requests the admission therein of —, a resident of the — of —, in the county of —, who is aged — years, and has been — is a native of —, in the State of —, and is — of the undersigned.

Dated —, 18—,

FORM OF CERTIFICATE AND AFFIDAVIT OF INSANITY BY A PHYSICIAN.

I, —, physician of the township of —, in the county of —, do certify under oath that I have examined into the state of health and mental condition of —, of the township of —, in the county of —, and that — is, in my opinion, insane, and a fit subject to be sent to the State Asylum for the Insane.

Sworn to and subscribed before me, this — day of —,
A. D. 18—.

* Applications for admission of patients, if made by letter, should be addressed to the Superintendent, Post Office address, Morris Plains, N. J.

FORM OF BOND.

Whereas, —, of —, in the county of —, an insane person, has been admitted as a patient into "The State Asylum for the Insane, at Morristown, N. J.": now, therefore,

We, the undersigned, in consideration thereof, jointly and severally bind ourselves to —, Treasurer of said Asylum, to pay to him, and his successors in office, the sum of — dollars and — cents per week, for the care and board of said insane person, as long as — shall continue in said Asylum, with such extra charges as may be occasioned by — requiring more than ordinary care and attention; and also to provide — with suitable clothing, and pay for all such necessary articles of clothing as shall be procured for — by the Steward of the Asylum; and to remove — from the Asylum whenever the room occupied by — shall be required for a class of patients having preference by law, or whenever — shall be required to be removed by the Managers or Superintendent; and also to pay all expenses incurred by the Managers or Superintendent in sending said patient to — friends, in case one or either of us shall fail to remove said patient when required to do as aforesaid; and if — shall be removed at the request of — friends, before the expiration of six calendar months after reception, then to pay board for twenty-six weeks, unless — shall be sooner cured, and also to pay, not exceeding fifty dollars, for all damages — may do to the furniture or other property of said Asylum, and for reasonable charges in case of elopement, and funeral charges in case of death; such payments for board and clothing to be made quarterly in advance from date of admission, and at the time of removal, with interest on each bill from and after it becomes due.

In witness whereof, we have hereunto set our names this — day of —, in the year 18—.

Name.	Residence.	P. O. Address.
Name.	Residence.	P. O. Address.

Signed and sealed in the presence of —.

FORMS AND DIRECTIONS

FOR THE ADMISSION, ETC., OF INDIGENT AND PAUPER INSANE PATIENTS.

FORM OF ORDER, ETC., FOR JUDGE.

I, A. B., one of the Judges of the Court of Common Pleas of the county of —, and State of New Jersey, do hereby report that application has been made to me on behalf of C. D., a resident of the [township, ward or borough] of —, in said county, alleged to be insane [and in indigent circumstances, or a pauper, as the case may be], and that pursuant to the act of the Legislature in such cases made and provided, I have called before me Dr. —, a respectable physician, and other credible witnesses, to wit: [state their names] and having examined them, and fully investigated the case, and not deeming it necessary to call a jury, I do hereby decide and certify that satisfactory proof has been adduced before me, showing the said C. D. to be an insane person, and that — has not sufficient estate or means to support — under said visitation of insanity.

Given under my hand at —, in the county and State aforesaid, this — day of —, in the year of our Lord one thousand eight hundred and —

A. B.

CERTIFICATE OF PHYSICIAN.

— County, ss.—I, A. B., being duly sworn according to law, do certify and declare that I have examined into the state of health and mental condition of C. D., of the [township, ward or borough] of —, of said county of —, and that I am of opinion that — is insane.

A. B., *Physician.*

Sworn and subscribed to before me, this — day of —,
A. D. 18—.

A. B., *Judge, &c.*

The Chosen Freeholder or Freeholders of the township, ward or borough, must then endorse the above order and certificate as follows: "Approved," and sign his or their names as the Chosen Freeholder or Freeholders of the [township, ward or borough] of — and county of —.

CERTIFICATE OF THE COUNTY CLERK.

STATE OF NEW JERSEY, }
— County, } ss.

I, A. B., clerk of the county of —, do hereby certify that the foregoing is a true copy of the report and certificate of —, one of the Judges of the Court of Common Pleas of said county, in the case of —, and also the certificate of Dr. —, thereunto appended, as filed in my office; that the foregoing is a true copy of the endorsement thereon, and that [A. B. and C. D.], whose name — signed to the said endorsement of approval, — member of the Board of Chosen Freeholders of said [township, ward or borough], in said county, and that said signature — is in — proper handwriting.

In witness whereof I have hereunto set my hand and seal of office at —, this — day of —, A. D. 18—.

A. B., *Clerk.*

