

## HOSPITAL AT INDEPENDENCE.

[B10]

## CURRENT EXPENSE FUND.

(Exhibit from June 30, 1893, to June 30, 1894.)

## RECEIPTS.

1893.			
June 30.	Balance on hand.....	\$	3,564.54
	Receipts to June 30, 1894, from treasurer of state.....		142,310.00
	Receipts to June 30, 1894, from steward of hospital ...		6,212.29
	Total.....	\$	152,086.83

## EXPENDITURES.

	By payment of orders to June 30, 1894.....	\$	147,191.33
	Balance on hand June 30, 1894.....		4,895.50
	Total.....	\$	152,086.83
	Balance on hand July 1, 1894.....		4,895.50

(Exhibit from June 30, 1894, to June 30, 1895.)

## RECEIPTS.

1894.			
June 30.	Balance on hand.....	\$	4,895.50
	Receipts to June 30, 1895, from treasurer of state.....		146,750.00
	Receipts to June 30, 1895, from steward of hospital....		7,521.55
	Total.....	\$	159,167.05

## EXPENDITURES.

	By payment of orders to June 30, 1895.....	\$	155,755.47
	Balance on hand June 30, 1895.....		3,411.58
	Total.....	\$	159,167.05
	Balance on hand July 1, 1895.....	\$	3,411.58

## SPECIAL REPORT

OF THE

## JOINT COMMITTEE

OF THE

TWENTY-SIXTH GENERAL ASSEMBLY

OF THE

STATE OF IOWA,

APPOINTED TO VISIT THE

HOSPITAL FOR THE INSANE

LOCATED AT

INDEPENDENCE.

PRINTED BY ORDER OF THE GENERAL ASSEMBLY

DES MOINES:  
F. R. CONAWAY, STATE PRINTER.  
1896.

## SPECIAL REPORT.

*To the Twenty-sixth General Assembly of the State of Iowa:*

Your joint committee, appointed to visit the Hospital for the Insane at Independence, was directed to make examination into the matter of complaints, on account of the purchase of coal for use in said hospital, and beg leave to submit the following report:

*First.*—The engineer of the hospital made tests of eight samples of coal, which were submitted, and upon which bids were made, and the result of his tests is herewith attached, marked Exhibit "A".

*Second.*—Your committee believe that the tests were fairly made and the results correctly stated. These tests were made by first cleaning the boiler flues and furnaces, filling the boiler with water to a carefully marked point on the water gauge, weighing the test samples of coal and determining the quantity of water evaporated by its consumption. This quantity has been so figured by the engineer as to show the number of pounds of water evaporated by one pound of coal. This was done with each of the eight samples furnished. This result shows that the coal designated as "Ives' Slack" evaporated a greater quantity of water at a given cost of coal than any other sample tested. This coal, however, was found to work poorly in the grates, requiring much labor in its combustion, and is not considered safe for storage in such quantities as is necessary for so large a hospital to keep on hand, to guard against blockades or other causes which might delay the shipment of fuel. The test that showed the largest quantity of water evaporated with a ton of coal was that designated as "Sandoval Pea."

Your committee found from personal examination that this coal seemed exceedingly well adapted to the use of this institution. The boilers of this hospital are barely capable of

producing the necessary amount of steam and with this coal give better results at a given cost than any other coal of which samples were furnished. The engineer's report also shows that the coal designated as "Ives' Nut," which is an Iowa coal, gave better results at a given cost than any other nut coal tested, but was considered less desirable for the use of this institution than the "Sandoval Pea," for the reasons above stated. While your committee strongly favors the use of Iowa products and materials in the public institutions of the state to the greatest possible extent, it believes the purchase of the coal now in use best serves the needs of this hospital.

F. B. MANAHAN,                      A. C. HOTCHKISS,  
WIREMAN MILLER,              *Committee on part of Senate.*  
*Committee on part of House.*

ENGINEER'S REPORT OF COAL TEST.

*Test No. 1, Ives' Slack*—1,879 lbs. of coal evaporates 6,379 lbs. of water; 3.394 lbs. of water per pound of coal, or 6,788 lbs. of water per ton.

*Test No. 2, What Cheer Nut*—2,465 lbs. of coal evaporates 9,437 lbs. of water; 3.828 lbs. of water per pound of coal, or 7,656 lbs. of water per ton of coal.

*Test No. 3, Thornburg Nut*—1,985 lbs. of coal evaporates 7,625 lbs. of water; 3.841 lbs. of water per pound of coal, or 7,682 lbs. of water per ton of coal.

*Test No. 4, Ives' Nut Coal*—2,303 lbs. of coal evaporates 9,187 lbs. of water; 3.988 lbs. of water per pound of coal, or 7,976 lbs. of water per ton of coal.

*Test No. 5, Pinney's Egg Coal*—1,802 lbs. of coal evaporates 7,500 lbs. of water; 4.162 lbs. of water per pound of coal, or 8,324 lbs. of water per ton of coal.

*Test No. 6, Sandoval Nut*—3,000 lbs. of coal evaporates 13,875 lbs. of water; 4.625 lbs. of water per pound of coal, or 9,250 lbs. of water per ton of coal.

*Test No. 7, Star Nut*—2,768 lbs. of coal evaporates 13,312 lbs. of water; 4.809 lbs. of water per pound of coal, or 9,618 lbs. of water per ton of coal.

*Test No. 8, Sandoval Pea Coal*—4,000 lbs. of coal evaporates 19,937 lbs. of water; 4.987 lbs. of water per pound of coal, or 9,968 lbs. of water per ton of coal.

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