

the committee, as arranged at the last full committee meeting, and immediately after concluding such visit a full report thereof shall be sent to the chairman and a synopsis of the same, with special notice of the leading points, shall also be sent to the member who shall have been appointed to visit that hospital in the succeeding month.

Article 2.—All reports made to the chairman shall be by him produced at the next ensuing full committee meeting and submitted for comment and action if deemed necessary.

Article 3.—If, at any such monthly visits, any fact or facts should come to light demanding the action of the committee prior to the time of the next regular meeting thereof, the said circumstances shall be communicated to all the members, and if two concur therein, a special meeting shall be called by the chairman, for the due consideration of the same.

Article 4.—If, at any time, an emergency should arise making it necessary in the opinion of the chairman, he may at his discretion make a special visit to either hospital, or direct such visit to be made by either of the other members of the committee, and shall give such directions as he may deem necessary, as to the special points and subjects to be investigated at such special visit.

SECTION 11.

Article 1.—The reports to the Governor may include everything pertaining to the condition, management, care and treatment of the insane in the hospitals.

Article 2.—They may also include all that can be ascertained in reference to the condition and management of insane throughout the state, as to their number, where and how kept and treated; as to their confinement in poor-houses, jail, etc; and as to the detaining them in private families, thereby prejudicing their chances of cure from lack of early and judicious treatment and care; and generally upon all matters pertaining to the general welfare of the insane throughout the state, as shall in the opinion of the committee be of sufficient importance to justify official notice.

SECTION 12.

These by-laws, or any section or article, thereof may be altered, amended or revised at any regular meeting of the Committee, providing that notice in detail of such changes, have been given and placed on the minutes of the last preceding regular meeting.

THIRD BIENNIAL REPORT
OF THE
BOARD
OF
CAPITOL COMMISSIONERS
TO THE
Governor of Iowa.

NOVEMBER 30, 1875.

DES MOINES:
R. F. CLARKSON, STATE PRINTER.
1876.

BOARD OF COMMISSIONERS.

GOV. C. C. CARPENTERPresident, *ex officio*.
GOV. S. J. KIRKWOOD...President, *ex-officio*, after Jan. 13, 1876.
MATURIN L. FISHER.....Farmersburg.
JOHN G. FOOTE.....Burlington.
PETER A. DEY.....Iowa City.
R. S. FINKBINEIowa City.
ED WRIGHT, Secretary.....Des Moines.

A. H. PIQUENARD, Architect.....Springfield, Ill.
R. S. FINKBINEOverseer of Construction.
JOHN G. FOOTE.....Superintendent of Finance.
ED WRIGHT.....Assistant Overseer of Construction.

REPORT OF BOARD OF COMMISSIONERS.

TO HIS EXCELLENCY, CYRUS C. CARPENTER, *Governor of Iowa*:

The Commissioners appointed by chapter thirty-five of the acts of the Fourteenth General Assembly, and charged with the execution of the provisions of law in respect to the erection of the Capitol, respectfully submit this, their biennial report:

In the former report of the Commissioners it was stated that Messrs. Munson & Turner, of Quincy, Illinois, had failed to furnish stone for the superstructure of the New Capitol either in sufficient quantity, or of a quality in accordance with the requirements of their contract, and that the Commissioners through their executive committee had "organized a force and procured the necessary machinery and proceeded to "quarry the stone" for the basement story from the old "capitol quarry" near Iowa City. Since that time all the stone for the basement story has been thus procured, a complete statement of which will be found in the report of the executive committee on the "Iowa City quarry operations" herewith submitted.

It was the object of the Commissioners in granting an extension to Munson & Turner, and in procuring elsewhere the stone for the basement story, to give to these contractors time to open up and further develop their quarry with the view of definitely ascertaining whether it would afford stone sufficient in quantity and equal in quality to that which they had contracted to furnish.

At their meeting in March, 1874, the Commissioners determined to examine the quarry of Munson & Turner, which they did in April. The result of the examination was to satisfy the Commissioners that the quarry would afford but a small amount of stone equal in quality to that required in the contract, and that if the quality were good, the stone could not be procured of the required dimensions, nor in sufficient quantities.

Influenced by these considerations, the Commissioners determined

to advertise anew for the stone necessary to complete the superstructure above the basement story. The Commissioners were not unmindful of the difficulties attending the selection of a quarry which would furnish stone in sufficient quantities, and of the dimensions required, and that would be of an even texture, have a uniform and pleasing color, and be durable in character; and in order to accomplish this, determined, before advertising again for proposals to furnish stone, "that no bid will be entertained from a quarry that has not been sufficiently worked to determine beyond a question that it will furnish all the stone required up to specifications, in quality, quantity, and every other particular, or from parties who have not reputation for skill, experience, and ability sufficient to guarantee the fulfillment of their obligations."

The advertisement for furnishing stone was made on the 12th day of May, and the proposals received in pursuance thereof were opened on the fifteenth of June. They were nine in number, four for limestone, and five for sandstone, and varying in price from ninety-two cents, to one dollar and fifty-five cents per cubic foot.

Before making an award, the Commissioners visited such of the quarries as in their judgment were entitled to consideration from the quality of the samples submitted, and the price proposed.

After making an examination of the quarries, and of buildings in which stone from the various quarries was used, and considering the report of the architect on the comparative cost of the stone represented by the proposals, and the cost of the stone-cutting, the Commissioners awarded the contract for furnishing the stone for the body of the building to the St. Genevieve Sandstone and Granite Company of St. Louis, from their quarry near St. Genevieve, Missouri, at one dollar and thirteen cents per cubic foot, and the contract for furnishing stone for the trimmings to Messrs. J. A. Gaines & Co., from the Carroll county quarries near Miami Station, Carroll county, Missouri, at ninety-five cents per cubic foot.

The character and quality of the St. Genevieve sandstone have been fully described in the former report of the Commissioners.

The Carroll county stone is a fine-grained, even textured blue sandstone, not stratified, and has been used in building for the past thirty-five years. The Carroll County Company has furnished something over thirty-four thousand cubic feet, and has yet to furnish, this season, about one thousand cubic feet of the amount required of them to complete the office story of the building.

The St. Genevieve Company has furnished a small amount over forty-five thousand cubic feet, and has yet to furnish about two thousand cubic feet, of the amount required of them this year.

After the Commissioners had visited the quarry of the Quincy company before referred to, and before re-advertising for stone, they requested Messrs. Munson & Turner to say whether they desired to be released from their contract to furnish stone, which they declined, and made a claim for damages sustained by them, assuming that after the refusal of the Commissioners to accept the stone furnished by them, and their failure to furnish other and better stone, the action of the Commissioners in procuring the stone for the basement story elsewhere released them from the obligations of their contract, and that their consenting to the cancellation of the contract would cut off any claim for damages which they might have.

Subsequently (on the 19th of May, 1875,) at their request, the commissioners canceled the contract and surrendered their bonds, after which they were paid at the contract price for all the stone furnished under their contract, amounting to three hundred and four dollars and fourteen cents.

The considerations which influenced the commissioners to cancel the contract with Munson & Turner, were that a mistake was made in awarding it to them, from the fact that their quarry though presenting an apparently good face, was practically undeveloped and it was imprudent for the commissioners to accept, and hazardous for the contractors to propose, from such a quarry; especially so, when taken in connection with the other fact, that the price at which the stone was offered was, in the opinion of the commissioners about the cost of quarrying, even if the quarry had proved as good as the contractors hoped it might.

The contractors claimed (and it was apparent to the commissioners that it was true) that they had sunk in their costly experiment from fifteen to twenty thousand dollars, and it was evident to the commissioners that no further expenditure of money would get from the quarry the stone of a quality, and of the dimensions, required in the Capitol building.

At the time the contract was let to Munson & Turner, the stone, which from the quality of the specimens submitted, were in direct competition, and between which the commissioners were compelled to choose, were: the Quincy stone at 75 cents per cubic foot, and the St. Genevieve stone at \$1.30 for the stone for the basement story, and

\$1.35 per cubic foot for the stone for the superstructure. The production of stone from the Quincy quarry, as has been stated, was impossible. The difference in cost between the acceptance of the original bid from the St. Genevieve Company, and the contracts since made with this company and the Carroll county company, together with the cost of the stone from the Iowa City quarries for the basement story, may be briefly stated as follows.

ORIGINAL BID OF THE ST. GENEVIEVE COMPANY.

44,308 cubic feet at \$1.30.....	\$ 57,600.40
217,820 cubic feet at \$1.35.....	294,057.00
Total.....	\$351,657.40

CONTRACTS AS MADE.

114,500 feet St. Genevieve at \$1.13.....	\$129,385.00
103,320 feet Carroll county at 95 cents.....	98,154.00
44,308 feet Iowa City at \$1.50.....	66,871.30
Total.....	\$294,410.30
Net saving.....	\$ 57,247.10

The Commissioners, after advertising as required by law, received proposals, and awarded at their meeting in December, 1873, the contract for furnishing iron beams for one floor of the capitol building, to the Union Foundry Company of Chicago, at 5 9-10th cents per pound; and at the same meeting awarded to Francis Geneser, of Des Moines, the contract for furnishing one million of brick, at \$10.45 per thousand; both of which contracts have been filled.

After due advertisement, the Commissioners awarded, at their meeting in April, 1874, a contract for furnishing two millions of brick to James N. Close, of Des Moines, at \$9.75 per thousand, said brick to be delivered as required, before November first, 1875; Mr. Close sublet most of his contract to other parties, and there is yet lacking to fulfill it one hundred and eighty-nine thousand brick.

On the 22d of October, 1875, the Commissioners awarded a contract for furnishing two millions of brick to S. A. Robertson, of Des Moines, at \$10.35 per thousand, and at the same time awarded a contract to Francis Geneser, of Des Moines, to furnish two millions of brick at \$10.45 per thousand, four hundred thousand of which are to be delivered on or before June 1st, 1876, and from brick already burned.

In their former report the Commissioners called your attention to changes in the plans and specifications, which they were compelled to make in order to bring the cost of the building within the requirements of the law fixing the limit of cost of the building at \$1,500,000. They now repeat that these changes ought not to be made, especially the change from stone to cast iron in the capitals, and from stone to galvanized iron in the cornice. The progress of the work on the building is such that unless authority is now given to restore these last mentioned items to the original design, the remedy will be too late. These changes will add to the cost of the building eighty-five thousand dollars.

Since the date of the last report of the commissioners, the basement story has been built, the iron beams for the office-story floor have been framed and put in place, the corridors arched over, and the greater portion of the office story put up. In addition thereto nearly all the stone to complete this story is on the ground and cut.

During the coming two years the building should be placed under roof, and to accomplish this a greater annual expenditure will be required. In a building of the character of the capitol, the interior finish should be mainly of hard wood, which requires time to season, and should be procured as soon as possible. There is a large amount of iron work, particularly in the framing of the roof, which requires time to prepare, and should be provided before it is needed to put in place. The same is true of most of the material needed in a building of this kind. It cannot be had in the market, but must be prepared and manufactured for future use. A supply of stone should be procured in the summer season sufficient to keep the workmen employed in the winter. When a force of skilled workmen is organized and kept in steady employment, work can be done in a more satisfactory manner, and at a less cost, than where the workmen are thrown out of employment in the early fall, and a new force is organized in the spring.

To place the building under roof and provide the lumber for the interior finish will require (if done within the next two years), in addition to the amount now provided for by annual appropriations, three hundred and fifty thousand dollars. For the detailed estimates for which your attention is directed to the report of the architect herewith submitted.

Your attention is directed to a proposed change in the law providing for the disbursements of money on the capitol pay-rolls, suggested by the superintendent of finance, the working of, and the reasons for which are fully set forth in his report herewith submitted.

The commissioners call your attention to the following enumerated papers, which are herewith transmitted:

No. 1. Report of the executive committee on Iowa City quarry operations.

No. 2. Report of the visiting committee on the Quincy quarry of Munson & Turner.

No. 3. Report of the architect on the comparative cost of stone (proposed for) and the cost of cutting the same.

No. 4. Condensed report of the overseer of construction of the work for the years 1874 and 1875.

No. 5. Complete report of the superintendent of finance, of the expenditures in detail for the years 1874 and 1875.

No. 6. Report of the architect for the years 1874 and 1875.

JOHN G. FOOTE,
MATURIN L. FISHER,
PETER A. DEY,
R. S. FINKBINE.

NUMBER ONE.

REPORT OF THE EXECUTIVE COMMITTEE ON IOWA CITY QUARRY.

To the Board of Capitol Commissioners :

The executive committee in pursuance of the following, adopted by your board July 22, 1873: "*Resolved*, that the executive committee be directed to select and make arrangements to work some quarry that will furnish stone suitable for the basement story, and also be directed to organize a sufficient force and procure the necessary machinery to enable them to furnish stone for said basement, at the earliest time practicable," hereby report that, on July 24 following the adoption of the above cited resolution, they negotiated a contract with the Penn Quarry Company to work the quarries owned and leased by said quarry company in Johnson county, known as the "old capitol quarries." Said contract was made in writing, and signed by the proper officers of the company, and by the president and secretary of your board.

The terms of the contract were that the board of commissioners should have the right to enter upon the lands of the company and take out for use in the capitol building twelve hundred cubic yards of stone, free of cost for royalty, except such royalty as said company had to pay N. Zeller, Esq., the owner of a portion of the quarry lands, provided the commissioners quarried stone from the lands held by the company under lease from said Zeller. We have paid a royalty of twenty-five cents per cubic yard to said Zeller for all stone quarried after the first day of July, 1874, amounting to the sum of ninety-eight dollars and fifty cents.

After work had progressed for some time at the quarry your board determined to use one additional course of stone on the building from the same quarry, this increased the amount of stone to sixteen hundred and forty-one yards, and on this excess of four hundred and forty-one yards we have paid to the quarry company a royalty of twenty-five cents per cubic yard, amounting to one hundred and ten dollars, and twenty-five cents, making the total royalty paid for quarry right two hundred and eight dollars and seventy-five cents.

Immediately after making the contract for the use of the quarry we transferred from the capitol building two hand power derricks and

such other tools as could be spared from the work on the building to the quarry, purchased four hand power derricks and the necessary quarry tools to prosecute the work; we purchased also the necessary lumber, etc., and built a smith shop and boarding shanty to accommodate the men at work in the quarry and commenced quarrying stone with Mr. Thomas A. Lister an experienced quarryman in immediate charge, with such general supervision as members of your committee could give to the work. We opened the quarry in two places, one on the land owned and the other on that leased by the quarry company, but soon found it expedient to quit work on the land owned by the company on account of its not furnishing stone of sufficient thickness for our work.

We experienced great difficulty towards the close of the work in getting stone of the larger dimension required, as all the bills for the small stone had been filled, and we were obliged to quarry exclusively for large sized stone thereby greatly increasing the expense.

The work was prosecuted with a greater or less force of men until February 16, 1875, at which time a sufficient quantity of stone for the basement story with the additional course "G," before referred to, the portico and interior piers, skew backs and bond stone had been quarried amounting in all to forty-four thousand three hundred and eight and five twelfths cubic feet or 1,641 yards one foot five inches cutting measure.

The total amount expended in working the quarry, including the cost of machinery, tools and buildings, the repairs to machinery and tools, the royalty paid on stone, together with the per diem and expenses of the superintendent of finance in making the payments at the quarry, and of Mr. Finkbine, overseer of construction, whose whole compensation was charged to the quarry account for all the time spent thereat, amounts to the sum of \$68,321.62.

At the close of the work we transferred to the capitol building the tools and machinery taken to the quarry, together with two of the derricks purchased for the quarry, (which were needed at the building), with such other tools as we could not readily dispose of. We sold at auction the shops and boarding shanty and a portion of the quarry tools, and a portion at private sale. The amount received for the sales above named was \$660.95; the value of tools and machinery sent to the building is \$789.37, making the net expenditure at the quarry \$66,871.30, being one dollar and fifty cents per cubic foot for the stone. We append an itemized account of the expenditures, classified, together with an account of the sale of tools and machinery.

MATURIN L. FISHER,
R. S. FINKBINE,
PETER A. DEY.

Executive Committee.

Des Moines, April 22, 1875.

Lumber, Timber, Nails, and Hardware for Boarding House, Smith Shop and Office.

29,072 feet of lumber.....	\$ 589.27
Hauling lumber to quarry	41.00
Shingles	1.75
Sash and glass.....	37.40
10 bushels lime.....	5.00
1,800 brick.....	13.00
Building paper.....	19.38
Hardware	25.38
Hauling tools and material.....	125.20
2 stoves and pipes.....	15.75
Labor paid by voucher.....	45.75
801 pounds nails.....	44.06
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	\$ 960.94

Tools and Machinery.

2 hand power derricks.....	\$ 420.00
2 hand power derricks.....	280.00
1 bellows (smith).....	15.00
1 vise.....	10.08
1 anvil.....	24.16
1 grindstone.....	6.84
1 grab chain.....	3.68
1 axe and handle.....	1.60
1 tuyere iron.....	3.00
4 double 14-inch blocks.....	56.00
1 double 12-inch block.....	12.60
1 single 14-inch block	7.00
1 single 12-inch block.....	6.30
3 augers	2.25
1 brace and bits.....	2.20
1 hand saw.....	2.25
1 drawing knife	1.25
1 punch .....	.15
7 iron squares.....	2.45
45 shovels	58.33
33 picks.....	43.75
2 hammers	13.80
5 mattocks.....	9.05
29 barrows.....	79.75
4 sledges	7.96
29 crowbars.....	170.18
30 drills.....	72.80
1 wrench.....	2.25
15 files.....	9.85
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	\$ 1,324.53

Iron Purchased.

13½ lbs. at 12 cents.....	\$ 1.62
263½ lbs. at 11 cents.....	29.01
11¼ lbs. at 10 cents.....	1.13
2½ lbs. at 8 cents.....	.20
141 lbs. at 7½ cents.....	11.00
141 lbs. at 7½ cents.....	10.57
5,897 lbs. at 7 cents.....	412.79
16½ lbs. at 6½ cents.....	10.50
58 lbs. at 6 cents.....	3.48
199½ lbs. at 5½ cents.....	10.98
74 lbs. at 5½ cents.....	3.89
426 lbs. at 5 cents.....	21.29
145 lbs. at 4¾ cents.....	6.89
391 lbs. at 4½ cents.....	17.57
84 lbs. at 4½ cents.....	3.57
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8,009 lbs.....	\$ 544.49

Steel Purchased.

3 lbs. at 25 cents.....	\$.75
104 lbs. at 24 cents.....	24.96
342 lbs. at 22 cents.....	74.24
45 lbs. at 21 cents.....	9.48
13 lbs. at 16 cents.....	2.08
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507 lbs.....	\$111 48

Rope Purchased.

163 lbs. at 21 cents.....	\$ 34.23
517 lbs. at 20½ cents.....	105.99
220 lbs. at 20 cents.....	44.00
266 lbs. at 19 cents.....	50.54
75 lbs. at 18 cents.....	13.50
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1,241 lbs.....	\$248.26

Repairs on Tools.

Repairs to truck wagon.....	\$ 89.80
Repairs to road.....	13.12
Repairs to derricks.....	19.19
Bolts and washers.....	.90
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	\$ 123.01

Miscellaneous Expenses.

Telegraphing.....	\$ 4.37
Advertising.....	7.25
Express charges.....	6.35
Expense of Smith (Derrick).....	23.70
Railroad fare of men to quarry.....	64.25
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	\$ 105.92

Miscellaneous Supplies.

Paper, ink and envelopes.....	\$ 3.10
Postage stamps.....	1.50
36 lbs. borax (smith work).....	13.30
19 kegs powder.....	100.88
1,534 ft. fuse.....	12.70
Oil, cans and brushes.....	13.95
14 pails and dippers.....	4.15
1¼ doz. brooms.....	3.25
1 barrel.....	1.75
1 box.....	.85
Lampblack.....	1.70
Wood for office.....	4.50
Twine.....	.55
400½ bushels Blossburg coal.....	256.55
1,251 pick and hammer handles.....	216.73
Copper wire.....	1.90
3 bars of lead.....	.35
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	\$ 637.71

Superintendent of Finance.

Per diem.....	\$ 285.00
Expenses.....	187.65
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	\$ 472.65

Overseer of Construction.

Per diem.....	\$ 456.76
Expenses.....	154.07
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	\$ 610.83

Railroad Freight.

On tools and machinery.....	\$ 325.76
On stone.....	9,216.28
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	\$ 9,542.04
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Hauling stone to railroad.....	\$ 7,752.16

Labor at Quarry, - Superintendent and Foreman.

559 days, at \$5.00.....	\$ 2,795.00
129 days, at 3.50.....	451.47
79½ days, at 3.00.....	237.75
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767½.....	\$ 3,484.22

Blacksmith and Helper.

389½ days, at \$3.25.....	\$ 1,265.87
69½ days, at 3.00.....	207.75
275¼ days, at 2.00.....	551.50
28 days, at 2.25.....	63.00
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762½.....	\$ 2,088.12

Drillers and Scabblers.

845 9-10 days, at \$2.50.....	\$ 2,114.67
1,680 2-10 days, at 2.25.....	3,780.42
5,448 3-20 days, at 2.00.....	10,896.30
5,269½ days, at 1.75.....	9,219.60
148½ days, at 1.62.....	240.97
246 days, at 1.50.....	368.99
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13,683½.....	\$26,620.91

Carpenters.

2 days, at \$3.50.....	\$ 7.00
22 days, at 2.75.....	60.50
27½ days, at 2.50.....	68.75
1 day, at 2.25.....	2.25
175¾ days, at 2.00.....	351.50
62½ days, at 1.75.....	109.37
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290¾ days.....	\$ 599.37

Teams in Quarry.

1 day.....	\$ 4.00
321½ days, at \$3.00.....	963.75
4 days, at 2.50.....	10.00
1¾ days, at 1.50.....	2.63
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328 days.....	\$ 980.38

Laborers.

2,930 3-20 days, at \$1.75.....	\$ 5,127.03
3,409 12-20 days, at 1.50.....	5,113.66
29 days, at 1.00.....	29.00
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6,368½ days.....	\$10,269.69

Tool and water boys.

55 days at \$1.50.....	\$ 82.50
158½ days at 1.25.....	198.08
396½ days at 1.00.....	396.50
46½ days at .75.....	34.87
5 days at .50.....	2.50
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661½.....	\$ 714.45

Labor, at loading derrick.

79 days at \$2.50.....	\$ 197.50
249 days at 2.25.....	560.25
71 days at 2.00.....	142.00
1½ days at 1.75.....	2.62
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400½.....	\$ 902.37

Riggers.

4 days at \$3.00.....	12 00
1¾ days at 2.00.....	3.50
2 2-10 days at 1.75.....	3.80
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7 19-20.....	\$ 19.30

Recapitulation of labor.

Foreman.....	767½ days	\$ 3,484.22
Blacksmiths.....	762½ days	2,088.12
Drillers and scabblers.....	13,638½ days	26,620.95
Carpenters.....	290¾ days	599.37
Teams.....	328 days	980.38
Laborers.....	6,368½ days	10,269.69
Water and tool boys.....	661½ days	714.45
At loading derrick.....	400½ days	902.37
Riggers.....	7 19-20 days	19.30
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	23,225½ days	\$ 45,678.85

Recapitulation of cost.

Lumber and timber.....	\$ 589.27
Hauling same.....	41.00
Building hardware, etc.....	\$ 286.61
Nails.....	44.06
Machinery and tools.....	\$ 960.94
Iron.....	1,324.53
Steel.....	544.49
Rope.....	111.48
Miscellaneous supplies.....	248.26
Repairs on tools and machinery.....	637.71
Miscellaneous expenses.....	123.01
Superintendent of finance.....	105.92
Overseer of construction.....	472.65
Freight on tools and machinery.....	610.83
Freight on stone.....	325.76
Hauling stone to railroad.....	9,216.28
Labor paid on pay rolls.....	9,542.04
Royalty paid on quarry.....	7,752.16
	45,678.85
	208.75
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Total.....	\$ 68,321.62

Account of sales of buildings and tools.

To Joseph Gregg, 4 crow-bars, at \$3.00.....	\$	12 00	
1 crow-bar.....		6.00	
6 drills, at \$2.50.....		15.00	
1 hammer.....		5.00	
4 drills, at \$0.75.....		3.00	
2 hammers, at 1.00.....		2.00	
4 shovels, at .50.....		2.00	
1 hammer.....		1.00	
1 hammer.....		2.00	
2 picks.....		2.00	
1 lot of plugs and feathers.....		3.60	—
		53.60	
Lumber to Peter Hart.....	\$	10.05	
Lumber to Jerry Bressingham.....		5 00	
Wheelbarrow to B. Mason.....		1.00	
Wheelbarrow to M. Doyle.....		.50	
Lumber to Samuel Horne.....		2.50	
Stove to Henry Theolus.....		5.00	
At auction, 1 sash.....		.70	
2 barrows.....		1.00	
Fuse.....		.35	
2 drills.....		3.50	
1 crow-bar.....		3.00	
1 mattock.....		.50	
2 barrows.....		1.00	
1 grindstone.....		1.50	
Lot of lumber.....		2.25	
Smith-shop.....		46.00	
One section of boarding shanty.....		20.00	
One section of boarding shanty.....		40.00	
One section of boarding shanty.....		17.25	
One section of boarding shanty.....		25.00	
One section of boarding shanty.....		39.00	
Two tables.....		2.25	
One lot of benches.....		1.70	
One section of shanty.....		9.50	
One lot broken wheelbarrows.....		1.45	
One shovel.....		.35	
One lot scrap iron.....		5.50	
One hand-saw.....		2.00	
One lot of lumber.....		5.00	
To Penn Quarry Co., 2 hand-power derricks.....		280.00	
Time of men putting up same.....		36.20	
One sash sold.....		.70	
One wheelbarrow sold.....		1.50	
Stone spawls sold at building.....		36.10	
Total sales.....	\$	660.95	

Machinery and Tools Bought for Quarry and Transferred to Capitol Building.

2 hand power derricks.....	\$	420.00
Railroad freight from quarry.....		50.00
1 grab chain.....		3.68
1 smiths' bellows.....		15.00
1 smiths' vise.....		10.08
1 smiths' anvil.....		24.16
3 smiths' tongs.....		9.00
4 cold chisels.....		1.00
29 drills.....		58.00
11 crowbars.....		55.92
2 sledges.....		3.98
18 shovels.....		23.25
23 picks.....		34.50
45 lbs. of steel.....		9.45
285 lbs. of iron.....		19.95
Miscellaneous tools.....		25.00
3 lots rope.....		20.00
6 pieces of timber.....		6.40
Total.....	\$	789.37

Summary.

Total amount expended at quarry.....	\$68,321 62
Amount received from sales.....	\$660.95
Value of tools transferred.....	789.37—\$ 1,450.32
Total net expenditure at quarry.....	\$66,871.30

NUMBER TWO.

REPORT OF THE COMMITTEE ON MUNSON & TURNER'S QUARRY.

To the Board of Capitol Commissioners :

The committee appointed at the meeting of March 20th to visit the quarries of Munson & Turner for the purpose of examining and determining as to the probability of their being able to fulfill their contract to furnish stone for the superstructure of the new capitol building,

would report that they visited the quarry on the 21st of April; that the development of the quarry was little more than had been shown at previous visits of individual members of this board; that so far as worked there is no improvement in the quality of the stone; that the seams or veins in the stone are as prominent as they have been, and that the objection to the use of the stone for the superstructure is fully as great as it was for the basement story.

The committee do not believe that the quarry can furnish stone free from these objectionable features, no course as yet having been found without them, and it is questionable whether the expenditure of any amount of money would furnish stone as called for in the specifications.

C. C. CARPENTER,
R. S. FINKBINE,
PETER A. DEY,
JOHN G. FOOTE.

MINORITY REPORT.

The undersigned finding himself unable to concur in the report of his colleagues in relation to the contract of Munson & Turner, to furnish the stone for the construction of the new state capitol of Iowa, respectfully submits the reasons for his dissenting opinion.

The undersigned apprehends that there is a marked distinction between a seam and a vein in a stone quarry; a seam is an open crevice or fissure which entirely unfits a stone for use in a building; any stone with a seam in it ought to be rejected, and it is understood that the contractors do not propose to offer any such for the acceptance of the Commissioners. A vein is a crevice or fissure filled up and made solid by the infusion of some other stone, generally of a different chemical composition and frequently of a different color from the main body of the stone which encloses it, and does not diminish the strength or durability of the stone.

In case of the Quincy stone, it has been proved by actual experiment that the black veins which intersect it, do not impair its strength or increase its liability to fracture, and the results of the experiment are confirmed by the experience of cutters employed in cutting the stone. It seems to the undersigned that the only tenable objection to the Quincy stone is the black veins which intersect it, and in conformity with what appears to be the taste of his colleagues, would prefer if a sufficiency of such stone could be procured without an enormous cost to build the capitol of pure white statuary marble, but he is aware that according to the taste of many, that the dark veins of this stone interspersed throughout the walls would not impair their beauty, but on the contrary, would give an agreeable diversity to their color.

The Quincy stone is a crystalized carbonate of lime; very hard, susceptible, of a high polish, and belonging to the metamorphic class of rocks. This class abounds in veins; in the renowned Carrara quarry it is difficult to find a block of sufficient size free from veins for statuary purposes.

Marble, with black veins, and veins of other colors, is extensively

used for funeral monuments as well as in architecture. From the information the undersigned has been able to obtain, he is disposed to believe that there are very few marble buildings in Europe or America, in ancient or modern times, free from veins.

If the commissioners determine that they will use no other stone, except such stone as is free from veins, they will be obliged to reject the whole class of metamorphic rocks. A specimen of the Quincy stone was submitted to Professor Hinrichs, of the State University, for his examination; in his report he says: "The stone may be fairly called a coarse grained marble. I consider it the best limestone which I have seen from any part of the northwest; it is also one of the most beautiful building stones and will retain its light color indefinitely."

The undersigned concurs in this opinion and adopts it as his own. The undersigned regrets that he is unable to say that the development of the quarry has demonstrated that stone enough to build the capitol can be supplied from the quarry, but still he feels some degree of confidence that a sufficiency can be found there. It is therefore the opinion of the undersigned, that Munson & Turner should be required to execute their contract and deliver the stone according to its provisions.

MATURIN L. FISHER.

NUMBER THREE.

REPORT OF THE ARCHITECT ON THE COMPARATIVE COST OF SANDSTONE AND LIMESTONE, INCLUDING THE CUTTING.

To the Iowa State Capitol Commissioners:

GENTLEMEN: In answer to the resolutions of your board, I beg leave to report the following estimate of the relative value of the limestone and sandstone offered in the proposals received the 15th day of last June, with the difference of cost of cutting. I think it to be unnecessary to report particularly on the stone from the old capitol quarry of Iowa, as it is not sufficiently fine for the upper structure. The same may be said of the Thunder Creek stone, which has also the disadvantage of having the stone in too thin layers for our purposes. Leaving aside the conflicting reports as to the durability of the oolite limestone

of Orford, the difference of color and the doubt as to the capacity of the quarry to furnish a sufficient quantity for our building, rank it among the qualities of stone not acceptable for the building. All the other proposals include stone which in beauty or durability may figure in any building, and the quarries are such that any quantity may be obtained from them of an even color in any reasonable time, and for all of them the only matters for consideration are the color and the price, both of the material and of the cutting.

The value of the material is as follows; admitting 225,000 cubic feet of stone.

Sandstones—

Carroll county, Mo.....	\$213,750
Amherst, blue, Ohio.....	236,250
St. Genevieve, Mo.....	254,250
Amherst, buff, Ohio.....	258,750
Berea, Ohio.....	270,000
Buena Vista, Ohio.....	292,250

Limestone—

Lemont, Ill.....	241,875
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The difference of cutting the different sandstones is very slight, the Amherst and Berea being the cheapest to cut, and the St. Genevieve the most costly, the difference being, from what I can learn from parties who have worked them, about \$7,000 for our work, the Buena Vista and Carroll county being about half way between the St. Genevieve and the Ohio stone.

The limestone will cost considerably more to cut, and I cannot estimate the extra value at less than \$60,000 for our work, from which it would be fair to deduct a little on account of its hardness and easiness to handle for setting without danger of breaking the sharp corners and edges. I would estimate the value of cutting the different sandstones as varying from \$147,000 to \$155,000 and of the limestone at \$215,000.

Your Board will themselves judge of the color of the stone as fitted to our building, but I may say that, as has been already informally talked about in the Board meetings, I think that a proper division of two different colored stones—say buff and blue—would be an advantage instead of a detriment, provided each of the stones be of a well defined color and very even.

All of which is respectfully submitted.

A. H. PIQUENARD,
Architect Iowa State Capitol.

NUMBER FOUR.

CONDENSED REPORT OF THE OVERSEER OF CONSTRUCTION, FOR THE YEARS 1874 AND 1875.

To the Capitol Commissioners :

GENTLEMEN :—I herewith submit my report of the materials purchased and received and of the work done on the new capitol building in the years 1874 and 1875, condensed from my annual reports. During the above named time the basement story has been built, the iron beams for the office floor have been put in place, the corridors have been arched over and concreted up to the floor-line, the greater portion of the exterior and interior walls of the office story have been built, the pilasters and dome columns have been cut and set, and most of the stone to complete the office story are on hand and cut. I purchased at various times as directed by the commissioners, during 1874, the iron columns for the basement story, the castings for the plates and separators for the main floor-beams, the stone for the pilasters and piers in the basement story, the lime used in stone-setting, one ten-ton scale, the necessary lumber for scaffolding, centering, and miscellaneous purposes, the coal for the shops, office and engines, and such miscellaneous supplies as were needed in the progress of the work.

During the year 1875, I purchased, in pursuance of the same authority, the stone for the pilasters and columns in the main corridors of the office story, and two new engines—one a double engine to work two derricks for unloading and handling stone, the other a double-cylinder engine to work a derrick on the building for setting stone. I bought two lots of brick, one of S. A. Robertson, the other of Francis Geneser, of 100,000 each, together with the necessary sand, lime, lumber, coal, and miscellaneous supplies needed in the progress of the work. There has been built one new buggy-derrick for stone setting, and one new boom-derrick for handling stone, and one hand-power boom-derrick has been changed to a steam derrick. Three steps have also been built to raise the setting derricks high enough to set the office-story.

The organization of the working force on the capitol building, under the direction of the overseer of construction and his assistant, who by direction of the commissioners, have the general charge and supervision of the work, is as follows:

There are two general foremen, one of whom, Mr. James R. Crawshaw, has charge of the iron and wood work, centering, and patterns;

the other, Mr. N. W. Smith, has charge of the general labor, derricks, all derrick work, stone masonry, and concreting. The brick-work is under the supervision of Mr. John C. Lefler. All work done under the above named foremen is by the day. The stone-cutting is done by the superficial foot, at a price, in accordance with the work done, ranging from \$1.50 to \$0.07 per square foot. The workman is furnished with a ticket for each stone, on which is an isometrical drawing of the stone as it will be when cut, with all necessary written directions, the exact size of each dimension, and number of pattern, where a pattern is to be used. This work is under the charge of Messrs. William and Thomas Brunton.

I take pleasure in stating to the commissioners that the character of the work done, under the direction of the above named gentlemen, is ample evidence of their skill and ability in their departments. Statements are hereto attached showing the amount and kinds of material received, the amount and kinds of work done, and the cost of tools and machinery purchased.

Respectfully submitted,

R. S. FINKBINE,
Overseer of Construction.

STATEMENT.

Materials purchased and work done on the new capitol building from December 20, 1873, to November 30, 1875:

Materials Purchased.—Stone.

	FT.	IN.
Iowa City quarry.....	29,011	9
E. Walker, Lemont.....	3,936	2
J. B. Webb, Anamosa.....	453	4
M. Heisey, Anamosa.....	1,200	10
Barnum & Overman, granite.....	46	2
L. Robinson & Son, granite.....	147	8
Carroll County sandstone.....	34,563	8
St. Geneveive sandstone.....	45,564	8
Total.....	114,924	3

Brick.

Francis Geneser.....	1,002,725
Jas. N. Close.....	261,331
S. A. Robertson, (Close contract).....	100,000
J. C. Taylor, (Close contract).....	1,448,803
Francis Geneser, (purchase).....	100,000
S. A. Robertson, (purchase).....	100,000
Total.....	3,012,859

Cement.

Des Moines Coal Company, 7,970 bbls.....21,122,276 pounds.

Sand.

Scott & Bartlett..... 78,427 bushels.

Lime.

S. A. Robertson..... 447½ bushels.
Sundry parties..... 184 bushels.
Total..... 631½ bushels.

Water.

Des Moines Water Company..... 640,818 gallons.

Cast Iron.

Waldron Brothers..... 21,166 pounds.

Wrought Iron.

In floor-beams.....196,772 pounds.
In Angle irons..... 2,380 pounds.
In bolts and rivets..... 1,109 pounds.
In bar and rod..... 5,889½ pounds.
Total.....206,150½ pounds.

Cast Steel..... 258½ pounds.

Nails..... 2,903 pounds.

Sheet zinc for patterns.....1,606½ pounds.

Lumber and timber.....139,566 feet.

Coal..... 8,616½ bushels.

Five loads of slack.....

Oil.

For derricks..... 61½ gallons.

For engines..... 142½ gallons.

Total..... 204 gallons.

Tallow..... 82 pounds.

Car Repairs.

Iron work.....\$ 225.45

Wood work..... 21.90

Total.....\$ 247.35

Engine Repairs.

Valve	\$ 2.15
Valve-rod	2.85
Globe-valves	6.30
Gauge-cocks	2.45
Oil-cups	13.05
Steam-gauge	7.10
Hoisting spools	39.80
Smoke-stack	5.00
Rubber packing	16.50
Steam-chest repairs	5.70
Machine-work	16.70
Pipe .....	.45
Cotton-waste	10.50
Total	\$ 128.75

Repairs to Derricks.

Paints	\$ 32.05
Iron	76.01
Rope	126.07
Bolts and guy-rods	21.60
Friction sheaves	44.20
Total	\$ 299.94

New Tools and Machinery.

1 smith's vice	\$ 15.50
1 sand-screen	10.50
1 pulley-block	16.79
Rope	170.83
Hose couplings and water-pipe	155.68
452 pounds cable-chain	43.66
1 10-ton scale	200.00
1 portable forge	56.42
2 ratchet drills	41.65
1 hoisting engine	2,000.00
1 hoisting engine	1,250.00
Railroad freight on engines	116.00
2 stone jacks	207.40
Stone rubber castings	59.15
42 wire-rope sockets	94.50
29 lewis irons	96.75
6 clevises	5.00
3 pairs hooks	21.00
New truck cars	141.28
885 feet of $\frac{1}{4}$ steel wire rope	365.49
2,720 feet of galvanized iron wire rope	428.60
Miscellaneous tools	287.42
Total	\$ 5,783.43

Cost of New Steam Buggy Derrick.

320 ft. steel wire rope	\$ 176.73
1,025 lbs. Galvanized iron wire rope	143.50
Freight on iron and steel wire rope	10.05
Brooks, Wilson & Stein, iron work	308.30
Bolton Bros., iron	114.42
Lumber for mast and boom	112.50
12 wire rope sockets	27.00
Labor, building derrick	68.25
Total cost	\$ 960.75

Cost of New Steam Boom Derrick.

Lumber	\$ 83.78
Iron	26.33
Iron and iron work	160.00
Steel wire rope	99.83
Galvanized iron wire rope	163.68
12 wire rope sockets	27.00
Iron work	16.94
Labor, building derrick	37.57
Total	\$ 615.13

Cost of changing Hand-power Boom Derrick to Steam Derrick (the iron work, guys castings, and steel wire for which were on hand.)

Cost of new boom	\$ 14.33
Labor	50.94
Total	\$ 65.27

Cost of Step to set Derrick on.

Lumber	\$ 39.92
Iron	3.59
Iron work	4.93
Labor	29.37
Total each	\$ 77.81
3 of the above, total cost	\$ 233.43

Railroad Materials and Repairs.

Taxes on right of way ground	\$ 332.74
Rental on right of way ground	580.00
350 lbs. spikes	23.32
7,240 lbs. of T rail	296.02
Railroad ties	19.00
Iron for bridge over Court Avenue	87.52
Lumber	215.11
Labor, repairs to road and bridge	911.62
	\$ 2,465.53
Less old ties sold	5.40
Total expense of railroad	\$ 2,460.13

Cost of Shop for Stone Cutting.

Lumber.....	\$ 466.19
Nails and hardware	24.65
Labor.....	144.01
Total.....	\$ 634.85

Materials used.

Lime for stone setting.....	881 $\frac{12}{100}$ bushels.
Sand.....	71,761 bushels.

Cement used.

In stone masonry.....	7,578 pounds.
In concrete work.....	117,225 pounds.
In brick work.....	1,963,992 pounds.
Total 7,882 barrels.....	2,088,795 pounds.

Water.....	649,818 gallons.
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Coal used.

In office.....	472 bushels.
In shops.....	730 $\frac{1}{2}$ bushels.
In blacksmith shop.....	466 $\frac{3}{4}$ bushels.
In engines.....	6,948 $\frac{3}{4}$ bushels.
Total coal.....	8,616 $\frac{7}{8}$ bushels.

For engines, five loads of slack.

Lumber used.

Railroad.....	8,930 feet.
Scaffolding.....	56,096 feet.
Centering.....	23,694 feet.
Derricks.....	9,308 feet.
Stone-cutters, bankers.....	5,034 feet.
Patterns, gauges, drawing-boards, &c.....	5,402 feet.
Stone-cutters' shops.....	20,844 feet.
Engine and coal sheds.....	4,084 feet.
Blacksmith shops.....	1,109 feet.
Office for foreman of cutters.....	656 feet.
Cars and car repairs.....	724 feet.
Miscellaneous purposes.....	3,685 feet.
Total.....	139,566 feet.

Cast iron used.

In columns, plates and separators.....	21,166 pounds.
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Wrought iron used.

In floor-beams.....	196,772 pounds.
In angle irons.....	2,380 pounds.
In bolts and rivets.....	1,109 pounds.
In new derricks.....	1,734 pounds.
In old derricks.....	268 $\frac{1}{2}$ pounds.
In tools and machinery.....	427 $\frac{1}{2}$ pounds.
In railroad bridge.....	1,093 pounds.
For miscellaneous purposes.....	2,564 $\frac{1}{2}$ pounds.
Cast steel in tools and machinery.....	258 $\frac{1}{2}$ pounds.
Total.....	206,606 $\frac{3}{4}$ pounds.

The framing of the iron floor beams and the setting of the beams, plates, and columns cost $45\frac{9}{10}$ cents per 100 pounds.

Nails used.....	2903 lbs.
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Sheet zinc used for patterns.....	687 $\frac{1}{2}$ lbs.
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Brick Laid.

	ft.	in.
In backing to exterior walls.....	95,323	1
In interior walls.....	108,999	1
In cylindrical arches.....	5,285	3
In groined arches.....	5,549	0
Total cubic feet.....	215,156	5

Brick (kiln count.)

In walls.....	3,677,657
In cylindrical arches.....	95,136
In groined arches.....	99,882
Total bricks laid.....	3,872,675

Concrete on arches.....	14,349 ft. 4 in.
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Dimension Stone set.—Basement Story.

	ft.	in.
Granite base and sills.....	4,315	6
Dome and corridor piers.....	2,320	4
Interior piers.....	281	10
Bond stone.....	1,359	2
Arches and corbels.....	202	6
Portico, buttress, and piers.....	6,020	3
Exterior walls.....	30,174	7

Total basement story.....	44,674 2
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Office Story.

In walls and portico.....	58,148	1	ft. in.
Stone truss.....	31	1	
Pilasters and columns.....	2,248	10	
Granite sills.....	84	5	
Bond stone.....	1,291	8	
Total office story.....	61,804	1	
Total stone laid in 1874 and 1875.....	106,478	3 in.	

CLASSIFICATION BY STORIES.

Setting apart those items which pertain to the cost of the whole building. The following is a classification by stories.

Items of Expenditure which pertain to the cost of the whole building.

Expenditures for plans.....	\$ 4,023.71	
Expenditures for cistern.....	1,512.12	
Expenditures for railroad.....	12,637.90	
Expenditures for tools and machinery.....	18,877.33	
Expenditures for water pipe and meter.....	737.44	
Expenditures for main sewer.....	1,272.28	
Expenditures for printing and advertising.....	2,048.15	
Expenditures for board of commissioners.....	12,317.37	
General and miscellaneous expenditures.....	1,642.35	
Expenditures for repairs on foundation.....	52,353.76	\$107,352.41
Expenditures for foundation to ground line.....		214,055.41
Expenditures for basement story.....		210,803.28
Expenditures for first story to November 30, 1875.		217,449.56
Cash unexpended.....		339.34
Total expenditures to November 30, 1875.....		\$750,000.00

TABULAR NO. 1.

Consolidated statement, showing the number of days labor performed on the Capitol building from January 1 to December 31, 1874, by men and teams. Also, the kind of labor performed and wages paid, but not including stone-cutters that were paid by the superficial foot for cutting.

	Stone cutting—foreman and cutters.....	Stone cutting—workmen.....	Stone cutting—masonry and brick masons.....	Stone cutting—stone cutters and masons.....	Stone cutting—masons and brick masons.....	Stone cutting—brick masons, carpen- ters, riggers, & carpenters.....	Cart, horse and driver.....	Foremen of derricks, blacksmiths' helper, men of concrete, brick and mortar car, drivers, men and iron rivets, drillers and drillers.....	Derrick laborers & car- penters, labor- on railroad, etc.....	Common laborers and water boys.....	Total days from Jan. 1. to Dec. 31, 1874.	
Stone cutting—foreman and cutters.....	364.00	.50	106.35	74.00	107.60	2.25	457.70	702.20	1,474.55	697.65	5191.15	
Stone cutting—workmen.....	1,251.00	13.50	3,873.35	2,597.35	3,250.00	35.50	324.40	861.80	3,755.05	47.50	4,667.60	
Stone cutting—masonry and brick masons.....	1,488.00	138.55	1,344.85	1,327.80	1,327.80	7.05	274.10	2,061.60	2,716.00	179.20	47.90	
Stone cutting—stone cutters and masons.....	1,488.00	138.55	1,344.85	1,327.80	1,327.80	7.05	274.10	2,061.60	2,716.00	179.20	47.90	
Stone cutting—masons and brick masons.....	1,488.00	138.55	1,344.85	1,327.80	1,327.80	7.05	274.10	2,061.60	2,716.00	179.20	47.90	
Stone cutting—brick masons, carpen- ters, riggers, & carpenters.....	1,488.00	138.55	1,344.85	1,327.80	1,327.80	7.05	274.10	2,061.60	2,716.00	179.20	47.90	
Cart, horse and driver.....	1,488.00	138.55	1,344.85	1,327.80	1,327.80	7.05	274.10	2,061.60	2,716.00	179.20	47.90	
Foremen of derricks, blacksmiths' helper, men of concrete, brick and mortar car, drivers, men and iron rivets, drillers and drillers.....	1,488.00	138.55	1,344.85	1,327.80	1,327.80	7.05	274.10	2,061.60	2,716.00	179.20	47.90	
Derrick laborers & car- penters, labor- on railroad, etc.....	1,488.00	138.55	1,344.85	1,327.80	1,327.80	7.05	274.10	2,061.60	2,716.00	179.20	47.90	
Common laborers and water boys.....	1,488.00	138.55	1,344.85	1,327.80	1,327.80	7.05	274.10	2,061.60	2,716.00	179.20	47.90	
Total days from Jan. 1. to Dec. 31, 1874.	520.00	220.00	1,498.80	1,385.65	1,385.65	.70	562.10	374.15	478.75	839.85	3,612.15	2,378.85
Total days labor for 1874.....	520.00	220.00	1,498.80	1,385.65	1,385.65	.70	562.10	374.15	478.75	839.85	3,612.15	2,378.85
Total days labor for 1874.....											467.65	14,341.20

TABLE

Consolidated statement, showing the number of days labor per-30, 1875, by men and teams. Also the kind of labor performed the superficial foot for cutting.

	Foreman of stone-cutters.	Foremen of brick-masons and assistant foreman of stone-cutters.	General superintendent of carpenter work, iron work and patterns.	General superintendent of stone-setters, carpenters, iron and steel laborers, and superintendent of derricks.	Brick-Masons, stone-cutters and lewisers.	Brick-masons, stone-cutters, lewisers and stone-setters.	Blacksmiths, chief of derricks, brick-masons and lewisers.	Blacksmiths, stone-cutters, brick-masons, engineers and lewisers.
	\$6.00 per day.	\$5.00 per day.	\$4.50 per day.	\$4.00 per day.	\$3.75 per day.	\$3.50 per day.	\$3.25 per day.	\$3.00 per day.
Stone cutting,—foreman and cutters.....	153.50	332.75	.....	.....	80.25	75.80	.....	118.00
Stone cutting,—handling and tool-sharpening.....	.....	.....	.....	6.50	.....	.....	155.75	105.50
Rubbing stone.....	.....	.....	.....	.....	.....	.....	.....	.....
Extra handling stone.....	.....	.....	.....	.....	.....	.....	.....	3.00
Sandstone setting.....	.....	.....	.....	268.60	.....	10.00	.....	51.00
Limestone setting.....	.....	.....	.....	36.50	.....	22.00	.....	.....
Brick-masonry, 1st story.....	162.50	.....	.....	5.50	1,748.35	99.25	14.00	155.40
Brick-masonry, basement.....	24.50	.....	.....	.....	118.25	.....	.....	9.00
Carpenter work.....	.....	143.25	.....	50.00	.....	.....	.....	.....
Wrought iron work.....	.....	.....	.....	50	.....	.....	.....	.....
Tools and machinery.....	.....	34.25	.....	16.50	1.75	.....	56.75	25.75
Pattern making.....	.....	4.50	.....	18.00	.....	.....	.....	.....
Railroad repairs.....	.....	.....	8.50	.....	.....	.....	.....	.....
Concreting.....	.....	.....	.....	.....	.....	.....	.....	.....
Water pipe and meter.....	.....	.....	.....	.....	.....	.....	.....	.....
General labor.....	.....	.....	.....	.....	.....	.....	.....	.....
Foreman of laborers and derricks.....	.....	.....	.....	182.00	.....	.....	152.00	.....
Watchman.....	.....	.....	.....	.....	.....	.....	.....	.....
Brick inspector.....	.....	.....	.....	.....	.....	.....	.....	.....
Splitting stone, charged to contractor.....	.....	.....	.....	.....	24.00	.....	.....	.....
Lewisling sandstone.....	.....	.....	.....	.....	147.80	27.98	80.90	17.10
Total days labor for 1875.....	153.56	519.75	191.00	533.60	2,120.40	235.03	468.40	484.75
Total days labor for 1874 & 1875.....	153.50	1,069.75	191.00	772.60	4,119.20	423.68	704.40	758.45

NO. II

formed on the Capitol building from January 1, to November and wages paid, but not including stone cutters that were paid by

Teams and drivers.	Engineers.	Derrick foremen, engineers carpenters and riggers.	Cart horse and driver.	Derrick foremen, engineers, foremen of rubbers and carpenters.	Derrick foremen, foremen of rubbers, brick & mortar carriers, and carpenters.	Carpenters.	Drillers, blacksmith's help, brick and mortar carriers, w man & brick inspector.	Derrick laborers, brick inspector, cement handling and rubbers.	Common laborers.	Water boys.	Total days from Jan. 1, to Nov. 30, 1875.
\$3.00 per day.	\$2.75 per day.	\$2.50 per day.	\$2.50 per day.	\$2.25 per day.	\$2.00 per day.	\$1.90 per day.	\$1.75 per day.	\$1.65 per day.	\$1.50 per day.	\$0.75 per day.	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	760.30
.....	81.95	496.40	.....	312.05	414.20	.....	412.25	2,768.15	1.00	359.85	5,113.60
.....	.....	.....	.....	87.75	119.30	.....	1.75	3,318.75	.....	24.50	3,532.05
.....	7.00	3.60	.....	38.15	.....	.....	.....	306.45	.....	.....	393.50
.....	3.25	11.85	.....	613.80	14.25	.....	.....	2,527.25	.....	42.50	4,267.45
.....	5.50	26.15	.....	6.75	1.75	.....	.....	73.75	.....	1.00	344.90
.....	.....	.....	.....	11.25	24.25	.....	.....	41.75	.....	.....	7,732.52
.....	.....	.....	.....	401.30	.....	.....	.....	2,693.75	.....	5.25	455.45
.....	.....	.....	.....	105.15	42.50	.....	.....	1,673.25	.....	30.50	542.05
.....	.....	.....	.....	1.50	.....	.....	.....	193.80	.....	.....	5.25
.....	1.50	2.40	.....	120.90	.....	.....	.....	43.05	.....	.....	337.80
.....	.....	.....	.....	50	.....	.....	.....	2.25	.....	.....	25.00
.....	.....	.....	.....	28.80	.....	.....	.....	15.00	.....	8.00	382.85
.....	.....	.....	.....	6.50	8.00	.....	.....	40.50	.....	.....	169.00
.....	.....	.....	.....	.....	.....	.....	.....	7.20	.....	.....	7.20
.....	13.80	49.40	.....	.....	22.25	.....	.....	304.45	1.00	.....	390.90
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	284.00
.....	.....	.....	.....	.....	.....	.....	.....	378.00	.....	.....	378.00
.....	.....	.....	.....	.....	.....	.....	.....	88.40	.....	.....	119.65
.....	.....	.....	.....	.....	.....	.....	.....	31.25	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	4.00	.....	.....	28.00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	282.78
.....	21.00	139.75	1,479.10	449.55	588.65	3,722.10	13.25	3,245.85	9,889.20	501.60	25,570.25
.....	21.70	701.85	2,053.25	928.30	588.65	4,561.95	13.25	6,888.60	12,268.15	2302.35	40,601.45

NUMBER FIVE.

To the Board of Capitol Commissioners :

GENTLEMEN—I herewith present a report and exhibits of expenditures for the new capitol building, in detail, for the years 1874 and 1875, and in the aggregate, from the commencement of the work to November 30th, 1875, showing the disbursement of \$750,000.00, being the full amount thus far appropriated. The next annual appropriation of \$125,000.00 will become due January 1st, 1876.

In the year 1874, we received \$394.30 for damages for non-fulfillment of granite contract, and for sales of old machinery and spawls, as shown in exhibit C, which was disbursed as shown in the footings of exhibit B.

In the year 1875 we received \$339.34 for sales of machinery, spawls, etc., as shown in exhibit E, which we have retained for purposes that will be explained.

For convenience and system the board adopted the rule of monthly payments for labor and material purchased. About the first of each month a pay-roll is made, containing the names of all the operatives employed upon the capitol building during the preceding month, and the amount due each, which is signed individually,—upon which the Auditor's warrant upon the state treasury is issued for the aggregate amount.

For the prompt and just payment of labor or services that may cease, or be discharged during the interim between pay days, we have experienced great difficulty and inconvenience in getting the necessary money—as the law defining the powers and privileges of the board does not provide for any money to be in our possession. For this purpose, it was thought advisable to retain the money received from sales as a relief from our difficulties. The relief, however, has proved only partial and unsatisfactory, and will be more so in the future, as the kind and quality of labor increases in value.

To remedy the difficulties, and effect the desired change, I would suggest, that the legislature be requested, at its coming session, to pass a special law, authorizing the State Treasurer to pay the certificates of the overseer, issued for labor or service performed upon the new capitol building, during the interim between the pay rolls, and also declaring that said certificates shall be included and redeemed in the Auditor's warrant issued for the succeeding pay roll. Should this be effected, then the money, as received for sales, could be permanently disbursed.

The accompanying exhibits are in the following order:

A. Classified statement of the aggregate expenditures, in detail, from the commencement of the work to December 31, 1873.

B. General statement of expenditures from January 1, to December 31, 1874.

C. General statement of cash received in 1874, and to what class credited.

D. Classified statement of expenditures in detail from January 1st, to December 31st, 1874.

E. General statement of expenditures from January 1st, to November 30th, 1875.

F. General statement of cash received in 1875, and to what class credited.

G. Classified statement of expenditures in detail, from January 1st, to November 30th, 1875.

H. Classified statement of the aggregate expenditures from the commencement of the work to November 30th, 1875.

I. Consolidated classified statement of expenditures and apportionments to November 30th, 1875.

In our mode of classification, some of the material purchased has been entered directly to the class in which it was used—for instance, iron purchased for repairs, or for making new machinery has been entered directly to machinery and tools—and steel purchased for making stone cutting tools has been entered to stone cutting—and lumber purchased for machinery and tools, or for the railroad has been entered to each class—also, the wages of the general foreman and watchman, has been entered to salaries. Material purchased to be used in different classes, is classed by its own name.

All of which is respectfully submitted.

JOHN G. FOOTE,
Superintendent of Finance.

[EXHIBIT "A. "]

CLASSIFIED STATEMENT

Of the aggregate expenditures in detail from the commencement of the work to December 31st, 1873.

ON WHAT ACCOUNT.	AMOUNT.
Plans	\$ 3,943.11
Excavation and drainage.....	15,604.99
Stone	89,426.72
Cistern	1,512.12
Sand.....	2,723.69
Expenses and miscellaneous.....	1,437.24
Salaries	21,503.42
Repairs, removing foundation.....	52,353.76
Stone masonry.....	14,711.21
Brick masonry	7,835.23
Concrete	4,389.68
Printing and advertising.....	1,864.40
General labor.....	50.59
Patterns	74.86
Water	475.03
Rubble masonry	4,765.97
Iowa City quarry.....	24,080.77
Brick masonry in basement	2,323.51
Stone setting.....	863.35
Sandstone cutting	51,267.88
Railroad.....	10,177.77
Lumber and timber.....	2,939.16
Wrought iron work.....	488.08
Carpenter work	2,938.86
Cement	13,617.62
Board of commissioners.....	9,143.31
Fuel.....	957.28
Machinery and tools.....	9,352.63
Nails and hardware.....	458.32
Water pipe and meter.....	647.46
Brick.....	22,645.00
Iron and steel.....	252.86
Total expenditure to December 31, 1873.....	\$374,825.88

[EXHIBIT "B. "]

GENERAL STATEMENT OF EXPENDITURES

from January 1st to December 31st, 1874.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1874.				
Jan. 2	782	Barnum & Overman.....	Granite, final estimate.....	\$ 539.21
9	783	John G. Foote.....	Pay roll, Iowa City.....	3,009.97
10	784	Raine & Marshall.....	Blossburg coal, Iowa City.....	16.90
10	785	R. Musser & Co.....	Lumber for quarry.....	20. 0
10	786	G. W. Cowan.....	Hauling tools, pitch.....	2.25
10	787	Dubaque Times.....	Advertising iron beams and brick.....	17.50
10	788	Keokuk Gate City.....	Advertising iron beams and brick.....	13.00
10	789	Des Moines Water Co.....	Water furnished.....	3.75
10	790	J. S. Clarkson P. M.....	1000 stamped envelopes.....	3.20
10	791	Ed Wright.....	Salary as secretary and expressage, Dec.....	101.40
10	792	R. S. Finkbine.....	Salary as overseer, Dec.....	184.00
10	793	A. H. Piquenard.....	Salary as architect.....	300.00
10	794	John G. Foote.....	Pay roll, Des Moines.....	135.45
10	795	John G. Foote.....	Per diem and expenses, Supt Finance.....	64.95
10	796	Iowa State Register.....	Advertising for cast iron and sand.....	15.00
10	797	Shepard & Hess.....	Hardware and iron for quarry.....	99.12
10	797	Shepard & Hess.....	Freight on stone from Iowa City.....	625.00
13	798	C. R. I. & P. R. R.....	Freight on stone from Iowa City.....	\$ 3,080.97
Feb. 4	799	John G. Foote.....	Pay roll, Iowa City.....	227.95
5	800	Scott & Bartlett.....	Sand.....	15.09
5	801	H. F. Getchell & Son.....	Lumber.....	103.00
5	802	Ed Wright.....	Salary as Secretary and expressage.....	48.95
5	803	Des Moines Coal Co.....	Fuel.....	125.57
5	804	Shepard & Hess.....	Iron and hardware for quarry.....	250.00
5	805	R. S. Finkbine.....	Salary as overseer.....	300.00
5	806	A. H. Piquenard.....	Salary as architect.....	500.00
5	807	C. R. I. & P. Railroad.....	Freight on stone from Iowa City.....	2,092.04
6	808	John G. Foote.....	Pay roll, Des Moines.....	82.15
6	809	John G. Foote.....	Per diem and expenses supt. of finance.....	3,301.97
Mar. 5	810	John G. Foote.....	Pay roll, Iowa City.....	113.85
5	811	Ed Wright.....	Salary, freight on scale and expenses.....	150.42
5	812	R. S. Finkbine.....	Taxes on lots leased for right of way.....	72.07
5	813	R. S. Finkbine.....	Salary as overseer.....	177.93
5	814	Waldron Brothers.....	Castings, base, and top, for columns.....	263.25
5	815	Scott & Bartlett.....	Sand on contract.....	176.83
6	816	John G. Foote.....	Per diem and expenses, supt of finance.....	64.85
6	817	John G. Foote.....	Pay roll, Des Moines.....	2,363.07
6	818	C. R. I. & P. Railroad.....	Freight on stone from Iowa City.....	575.00
7	819	Shepard & Hess.....	Hardware account for quarry.....	51.19
7	820	Paine & Marshall.....	Blossburg coal for quarry.....	68.25
19	821	Union Foundry Works.....	Rolled iron beams and angle irons.....	10,000.00
19	822	C. R. I. & P. Railroad.....	Freight on stone and iron beams.....	1,312.73
20	823	A. H. Piquenard.....	Salary as architect.....	300.00
21	824	Board of Commissioners.....	Per diem and expenses.....	21.15
Apr. 3	825	Shepard & Hess.....	Hardware account for quarry.....	66.70
3	826	Des Moines Coal Co.....	Coal.....	59.50
3	827	J. D. Seeberger.....	Hand clamps and wire.....	2.25
3	828	Gilbert, Hubbard & Co.....	Manilla rope.....	63.23
3	829	Bolton Bros.....	Hardware account.....	94.53
3	830	Ed Wright.....	Salary as secretary and expressage.....	101.65
3	831	Scott & Bartlett.....	Sand on contract in full.....	33.16
3	832	R. S. Finkbine.....	Salary as overseer & traveling expenses.....	269.55
3	833	Koser & Clark.....	Lumber for quarry.....	19.63
3	834	John G. Foote.....	Pay roll, Iowa City quarry.....	3,228.86
4	835	John G. Foote.....	Pay roll, Des Moines.....	2,335.87

EXHIBIT "B."—CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1874.				
Apr. 4.	836	John G. Foote.....	Per diem and expenses, supt of finance	\$ 67.35
6.	837	A. W. Comstock.....	Jackson scale, ten ton.....	157.30
6.	838	W. S. Dart.....	Right of way of railroad.....	50.00
6.	839	H. F. Getchell & Son.....	Lumber account.....	25.47
Apr. 25.	840	Kimbark Bros. & Co.....	Tools, bolts, rivets, and spikes.....	177.45
27.	841	C. R. I. & P. R. R.....	Freight on stone and tools.....	1,130.83
27.	842	A. H. Piquenard.....	Salary as architect.....	614.35
28.	843	Board of Commissioners	Visiting quarries and examining build- ings.....	497.35
	844	Board of Commissioners	Per diem and expenses.....	147.95
May 7.	845	Paine & Marshall.....	Blossburg coal for quarry.....	33.80
7.	846	D. A. Shafer.....	Services at quarry.....	45.00
7.	847	Shepard & Hess.....	Hardware, iron and powder.....	80.11
7.	848	John P. Irish.....	Advertising for bricks.....	12.00
7.	849	Kimbark Bros. & Co.....	Norway iron.....	25.24
7.	850	Des Moines Water Co.....	Water.....	7.08
7.	851	Nonpariel Printing Co.....	Advertising for bricks.....	7.00
7.	852	Iowa State Register.....	Advertising and printing.....	21.75
7.	853	H. F. Getchell and Sons	Lumber account.....	66.13
7.	854	Bolton Bros.....	Hardware, nails, and tools.....	20.28
7.	855	Gilbert, Hubbard & Co.	Coil Manila rope.....	34.16
7.	856	R. S. Finkbine.....	Salary as overseer.....	179.00
7.	857	Ed Wright.....	Salary as secretary, and expenses	130.65
7.	858	John G. Foote.....	Pay roll, Iowa City.....	4,217.59
8.	859	John G. Foote.....	Pay roll, Des Moines.....	5,298.99
8.	860	Des Moines Coal Co.....	Cement and coal.....	644.80
9.	861	John G. Foote.....	Per diem and expenses superintendent of finance.....	60.25
11.	862	C. R. I. and P. R. R.....	Freight on stone.....	531.50
12.	863	Board of Commissioners	Per diem and expenses.....	175.00
12.	864	James Carss.....	Engineering.....	8.60
12.	865	Union Foundry Works.....	Iron beams, and angle irons.....	83.50
June 5.	866	Bolton Bros.....	Tools, nails, and iron.....	77.71
5.	867	Francis Geneser.....	Brick on contract.....	640.56
5.	868	Gate City.....	Advertising.....	13.00
5.	869	Hiram Robinson.....	Couplings and nipples.....	3.75
5.	870	Des Moines Water Co.....	Water.....	11.92
5.	871	H. F. Getchell and Sons	Lumber.....	95.23
5.	872	John G. Foote.....	Pay roll, Iowa City.....	3,914.55
6.	873	Shepard and Hess.....	Rope and iron for quarry.....	79.30
6.	874	Paine and Marshall.....	Blacksmith coal.....	19.50
6.	875	Ed Wright.....	Salary as secretary and expresse.....	126.25
6.	876	R. S. Finkbine.....	Salary as overseer and expenses.....	231.65
6.	877	Des Moines Coal Co.....	Cement and fuel.....	906.60
6.	878	John G. Foote.....	Pay roll, Des Moines.....	6,644.48
6.	879	John G. Foote.....	Per diem and expenses superintendent of finance.....	61.85
13.	880	C. R. I. and P. R. R.....	Freights.....	1,220.69
15.	881	A. H. Piquenard.....	Salary as architect, and plans.....	323.94
16.	882	E. Walker.....	Lemont stone.....	499.62
July 2.	883	John G. Foote.....	Pay roll, Des Moines.....	7,885.57
2.	884	John G. Foote.....	Pay roll, Iowa City.....	2,085.48
2.	885	John G. Foote.....	Per diem and exp. supt. of finance	59.40
2.	886	R. S. Finkbine.....	Salary as overseer.....	250.00
2.	887	Francis Geneser.....	Brick on contract.....	1,780.74
2.	888	Des Moines Coal Co.....	Cement and fuel.....	620.40
2.	889	Kimbark Bros & Co.....	Rivets, bolts and T rail.....	248.37
2.	890	G. W. McCall.....	Sand screen.....	10.00
2.	891	Bolton Bros.....	Nails, tools, and hardware.....	25.11
2.	892	J. D. Seeberger.....	Grindstones.....	7.24
2.	893	McDonald & Meara.....	Shopwork, and labor on Iron beams.....	97.00
2.	894	Shepard & Hess.....	Iron for quarry.....	10.89
2.	895	J. M. Hedrick & Co.....	Advertising for brick.....	6.00
2.	896	John P. Irish.....	Advertising for stone.....	12.00
2.	897	Nonpariel Printing Co.....	Advertising for stone.....	12.50
2.	898	Iowa State Register.....	Advertising for stone.....	13.50

EXHIBIT "B."—CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1874.				
2.	899	Redhead and Wellslager	Tracing cloth and wall paper.....	17.20
2.	900	Des Moines Water Co.....	Water for June.....	10.13
7.	901	Gilbert, Hubbard & Co.....	Cotton waste.....	5.00
7.	902	Ed Wright.....	Salary as secretary, exp. to Anamosa.....	149.50
8.	903	C. R. I. and P. R. R.....	Freight bills.....	675.12
9.	904	H. F. Getchell and Sons	Lumber and timber.....	88.08
9.	905	Board of Comm'rs.....	Per diem and exp. board meeting.....	339.71
9.	905	Board of Comm'rs.....	Per diem and exp. visiting quarries	579.95
9.	906	A. H. Piquenard.....	Salary as architect and exp. to quarries	397.00
10.	907	Waldron Bros.....	Cast iron on contract and shop work.....	180.45
Aug. 6.	908	Des Moines Coal Co.....	Cement.....	1,008.80
6.	909	William Marshall.....	Blossburg coal for quarry.....	16.90
6.	910	Martin Heisey.....	Anamosa stone.....	600.41
6.	911	Shepard and Hess.....	Rope and powder for quarry.....	24.17
6.	912	Francis Geneser.....	Brick on contract.....	2,691.14
6.	913	Ed Wright.....	Salary as secretary and office expenses	127.75
6.	914	C. J. Hammer.....	Hauling from depot.....	3.75
6.	915	J. K. & W. H. Gilcrest	Lumber.....	53.28
6.	916	Bolton Bros.....	Hardware.....	11.70
6.	917	Des Moines Water Co.....	Water for July.....	13.35
6.	918	Gilbert, Hubbard & Co.....	Two W. P. Blocks.....	14.40
6.	919	C. H. Ward.....	oil, paints &c.....	42.60
6.	920	Hiram Robinson.....	Valve couplings.....	4.35
7.	921	R. S. Finkbine.....	Salary as overseer and exp. to quarry.....	185.80
7.	922	H. F. Getchell & Sons	Lumber.....	23.00
Aug. 7.	923	J. D. Seeberger.....	Hose and couplings.....	25.76
7.	924	J. N. Close.....	Brick on contract.....	173.45
7.	925	Waldron Bros.....	Cast-iron on contract.....	342.66
7.	926	John G. Foote.....	Pay roll, Iowa City.....	1,778.33
7.	927	John G. Foote.....	Per diem and expenses, supt. of finance	81.50
7.	928	John B. Webb.....	Anamosa stone.....	107.83
7.	929	A. H. Piquenard.....	Salary as architect.....	300.00
8.	930	John G. Foote.....	Pay roll, Des Moines.....	7,853.39
10.	931	J. C. Taylor.....	Brick on contract of J. N. Close.....	7,459.99
10.	932	Watson Coal & Min'g Co	Engine coal.....	41.76
10.	933	Union Foundry Works.....	Balance on rolled iron beams.....	545.43
21.	934	C. R. I. & P. Railroad.....	Freight bills.....	627.49
Sep. 4.	935	Francis Geneser.....	Brick on contract.....	3,752.72
4.	936	J. N. Close.....	Brick on contract.....	443.68
4.	937	John G. Foote.....	Pay roll, Iowa City.....	1,765.23
4.	938	R. S. Finkbine.....	Salary as overseer, expenses to quarry	257.95
4.	939	Shepard & Hess.....	Iron and hardware for quarry.....	37.62
4.	940	Marshall Talbot.....	Railroad ties.....	19.00
4.	941	Des Moines Water Co.....	Water for August.....	16.68
4.	942	Roberts n & Willoughby	Lime.....	19.91
4.	943	H. F. Getchell & Sons.....	Lumber.....	68.90
4.	944	A. H. Piquenard.....	Salary as architect.....	300.00
4.	945	Bolton Bros.....	Tools and hardware.....	15.95
4.	946	J. K. & W. H. Gilcrest	Lumber.....	26.04
4.	947	Watson Coal & Min'g Co	Engine coal.....	37.20
4.	948	Ed Wright.....	Salary as secretary, railroad tax.....	174.63
4.	949	N. W. Smith.....	Expenses to quarry.....	13.30
5.	950	Des Moines Coal Co.....	Cement and lime.....	1,226.83
5.	951	John G. Foote.....	Pay roll, Des Moines.....	5,838.63
7.	952	Brooks, Wilson & Stein	Car wheels and shop work.....	26.25
7.	953	John G. Foote.....	Per diem and expenses, supt. of finance	35.00
7.	954	John G. Foote.....	Per diem and expenses, supt of finance	39.55
7.	955	C. R. I. & P. Railroad.....	Freight bills.....	464.08
8.	956	Francis Geneser.....	Brick on contract, final settlement.....	1,613.31
9.	957	Dawson & Gerry.....	Ice cutting files.....	28.05
12.	958	Board of Commissioners	Per diem and expenses.....	182.40
12.	959	C. R. I. & P. Railroad.....	Freight on Carroll county stone.....	292.50
23.	960	W. F. Hackney.....	On account of A. H. Piquenard.....	75.00
Oct. 5.	961	Ed Wright.....	Salary as secretary and expenses.....	131.50
5.	962	John G. Foote.....	Pay roll, Iowa city.....	1,864.08
5.	963	Carroll Co. Sandstone Co	Stone on contract.....	654.47

EXHIBIT "B."—CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1874.				
Oct.	5.	964 C., R. I. & P. Railroad	Freight bills	794.53
	5.	965 Eugene Paine	Blossburg coal at quarry	15.00
	5.	966 Shepard and Hess	Hardware for quarry	11.82
	5.	967 Des Moines Water Co.	Water for September	8.90
	5.	968 J. D. Seeberger	Hose and couplings	9.90
	5.	969 H. F. Getchell and Sons	Lumber	77.40
	5.	970 Kimbark Bros. and Co.	Machine bolts	4.79
	5.	971 Bolton Bros.	Nails, hardware, and steel	15.85
	6.	972 J. S. Clarkson, P. M.	Envelopes and stamps	13.34
	6.	973 A. H. Piquenard	Salary as architect	225.00
	6.	974 John B. Webb	Anamosa stone	118.83
	6.	975 R. S. Finkbine	Salary as overseer and expenses to quarry	240.00
	6.	976 John G. Foote	Per diem and expenses superintendent of finance	69.00
	7.	977 Des Moines Coal Co.	Cement and fuel	879.71
	7.	978 John G. Foote	Pay roll, Des Moines	5,042.49
Nov.	4.	979 Ed Wright	Salary as secretary and expenses	128.85
	4.	980 R. S. Finkbine	Iowa City pay roll	2,013.35
	5.	981 R. S. Finkbine	Salary as overseer and expenses to quarry	257.95
	5.	982 Carroll Co. Sandstone Co	Dimension stone on contract	1,745.04
	5.	983 C., R. I. & P. Railroad	Freight bills for October	2,438.63
	5.	984 St. Genevieve Sandstone Company	Dimension stone on contract	1,980.92
	5.	985 A. H. Swan, attorney	Rental on railroad right-of-way	240.00
	5.	986 Gilbert Hubbard and Co	Coil Manila rope	71.96
	5.	987 Shepard and Hess	Rope and powder for quarry	29.66
	6.	988 J. N. Close	Brick on contract	85.65
	6.	989 Des Moines Coal Co.	Cement and coal	1,095.95
	17.	990 J. C. Taylor	Brick on contract of J. N. Close	1,342.78
	18.	991 A. H. Piquenard	Salary as architect	300.00
	18.	992 C. A. Ryden	Carrying express and mail one year	18.25
	18.	993 Waldron Bros.	Cast plates and separator	10.83
	18.	994 Koser and Clark	Lumber for quarry	2.00
	18.	995 J. D. Seeberger	Cable chain and wire	25.84
	18.	996 Bolton Bros.	Hardware account for October	24.25
	18.	997 Redhead & Wellslager	Roll tracing cloth	11.00
	18.	998 Des Moines Water Co.	Water for October	13.37
	18.	999 Watson Coal and Mining Co.	Coal	60.36
	18.	1000 H. F. Getchell and Sons	Lumber and timber	69.93
	19.	1001 John G. Foote	Per diem and expenses Finance Com.	71.35
	19.	1002 S. A. Robertson	Cement and lime	109.89
	19.	1003 Drs. Rawson and Ward.	Medical attendance, 1871	23.00
	19.	1004 Brooks, Wilson & Stein	Work on wheels and axles	22.23
	19.	1005 Frank Moran	From injuries received in May 1874	159.00
	20.	1006 Board of Commissioners	Per diem and expenses	157.25
	20.	1007 John G. Foote	Pay roll, Des Moines	9,630.47
Dec.	2.	1008 Ed Wright	Salary as secretary, for November	125.00
	3.	1009 Ed Wright	Pay roll, Iowa City quarry	1,558.92
	5.	1010 R. S. Finkbine	Salary as overseer, for November	250.00
	5.	1011 St. Genevieve S. S. & G. Co	Stone on contract	1,207.53
	5.	1012 C., R. I. & P. Railroad	Freights on stone	707.00
	7.	1013 Carroll Co. Sandstone Co	Stone on contract	512.53
	9.	1014 W. Marshall	Blossburg coal at quarry	18.00
	15.	1015 John G. Foote	Per diem and expenses, supt. of finance	61.15
	18.	1016 Loughran & Hillis	Repairing valve and tuyere iron	4.10
1875.				
Jan.	7.	1017 R. S. Finkbine	Salary as overseer in part for Dec.	18.90
Dec.	22.	1018 H. F. Getchell & Sons	Lumber and timber for stone sheds	434.51
	30.	1019 J. C. Taylor	Brick on contract of J. N. Close	464.10
	31.	1020 Bolton Bros.	Tools, zinc, stoves and hardware	140.91
	30.	1021 McDonnell & Meara	Shop work on iron beams	41.33
	30.	1022 Blasher & Brigholf	Ice for the season	9.00

EXHIBIT "B."—CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
30.	1023	Watson Coal & Mining Co	Coal and slack	56.64
1875.				
Jan.	2.	1024 Ed Wright	Salary as secretary and expenses in Dec	130.15
	5.	1025 Scott & Bartlett	Sand on contract	258.75
	5.	1026 F. D. Booth	Paint brush	3.00
	5.	1027 L. Fisher	Tallow	4.20
	5.	1028 Skinner & Brother	Grindstone	2.00
	5.	1029 Carter, Hussey & Curl	Inkstands, blanks, etc	12.80
	5.	1030 Hiram Robinson	Repairing meter and one union	3.40
	5.	1031 Des Moines Coal Co.	Blossburg coal	30.15
	5.	1032 C. H. Ward	Paints and oils	63.03
	6.	1033 Iowa City Quarry Co.	Royalty on stone	59.81
	6.	1034 John G. Foote	Pay roll, Iowa City quarry	123.55
	6.	1035 A. H. Piquenard	Salary as architect, Nov. and Dec	600.00
	6.	1036 D. C. Overman	Granite sill	13.95
	6.	1037 L. Robinson & Sons	Granite sills and steps	139.71
	6.	1038 John G. Foote	Pay roll, Des Moines	6,544.50
	6.	1039 C., R. I. & P. Railroad	Freight bills on stone	701.00
	6.	1040 Carroll Co. Sandstone Co	Stone on contract	587.51
	7.	1041 R. S. Finkbine	Salary as overseer, balance	217.10
	7.	1042 John G. Foote	Per diem and expenses, supt. of finance	30.25
	7.	1043 St. Genevieve S. S. & G. Co	Stone on contract	315.19
	7.	1044 J. N. Close	Brick on contract	396.00
	7.	1045 S. A. Robertson	Brick on contract	102.68
				\$164,918.60
Vouchers, Nos. 811, 812, 953, 1016, 1017, were paid with cash received as shown in exhibit C				394.34
Total expenditures for 1874, classified as shown in exhibit D				\$164,524.26

[EXHIBIT "C."]

GENERAL STATEMENT

Of Cash Received in 1874, and to what Class Credited.

CASH RECEIVED.	ON WHAT ACCOUNT.	Amount.
For damages in full of sureties of D. Armstrong for non-fulfillment of granite contract	Credited to stone	\$336.34
For 2d hand steel wire and sand screen	Credited to tools and machinery	33.00
Wheel barrow and spawls	Credited to Iowa City quarry	16.50
For blacksmith work	Credited to lime stone cutting	1.00
For spawls	Credited to Carroll county sand stone	5.00
For spawls	Credited to St. Genevieve	2.50
Disbursed as shown in the footings of Exhibit "B."		\$394.34

[EXAIBIT "D. "]

CLASSIFIED STATEMENT

Of expenditures in detail from January 1st, to Dec. 31st, 1874.

ON WHAT ACCOUNT.	Amount.
Plans	49.74
Lime stone	2,919.08
Sand	696.69
Expenses	105.99
Salaries	9,895.55
Brick-masonry	17.70
Concrete	646.30
Printing and advertising	154.25
General Labor	46.93
Patterns	303.51
Water	85.18
Iowa City quarry	40,125.72
Brick work, basement	13,677.46
Stone setting	4,526.98
Stone cutting	30,851.10
Railroad	939.63
Lumber and timber	1,021.86
Wrought iron work	12,810.36
Carpenter work	1,419.01
Cement	6,264.09
Board of commissioners	2,290.76
Fuel	511.56
Machinery and tools	1,004.56
Nails and hardware	76.33
Water pipe and meter	3.40
Brick	14,232.80
Iron and steel	38.03
Cast iron work	754.27
Lime	156.55
Carroll county sandstone	5,985.37
St. Genevieve sandstone	4,703.99
Sand-stone cutting	7,880.40
Rubbing sandstone	71.25
Accidents	173.00
Extra handling stone	85.06
Total expenditures for 1874.....	\$164,524.26

[EXHIBIT "E. "]

GENERAL STATEMENT

Of Expenditures from January 1st, to November 30th, 1875.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1875.				
Jan. 30.	1046	Ed Wright.....	Partial pay roll, Des Moines.....	\$ 1,195.84
Feb. 10.	1047	Scott and Bartlett	Sand	465.98
10.	1048	St. Genevieve S. S. and G. Company	Sandstone on contract.....	48.69
10.	1049	C. R. I. and P. Railroad	Freights on stone	326.75
10.	1050	J. K. and W. H. Gilcrest	Lumber	12.65
10.	1051	H. F. Getchell and Sons	Lumber	27.43
10.	1052	Watson Coal and Mining Company	Coal and slack	55.50
10.	1053	Ed Wright.....	Salary as secretary and expenses.....	145.90
10.	1054	Carroll Co. Sandstone Co	Sandstone on contract.....	543.33
11.	1055	John G. Foote.....	Pay roll at Des Moines	2,514.31
11.	1056	A. H. Piquenard.....	Salary as architect.....	300.00
11.	1057	John G. Foote.....	Per diem and expenses superintendent of finance.....	58.10
11.	1058	R. S. Finkbine.....	Salary as overseer and traveling expenses	326.85
12.	1059	Board of Commissioners	Per diem and expenses.....	79.90
12.	1060	Treasurer of Polk Co.....	Taxes on Gaunt lots, Railroad right-of-way contract	135.24
17.	1061	Ed Wright.....	Pay roll, Iowa City	3,192.51
Mar. 9.	1062	D. S. Miller	Lumber for quarry	7.34
9.	1063	Shepard and Hess.....	Iron and powder	36.44
9.	1064	Smith and Gilmore.....	Repairs on wagon.....	8.25
10.	1065	William Marshall.....	Blossburg coal.....	12.30
10.	1066	R. S. Finkbine.....	Salary as overseer.....	230.00
10.	1067	Ed Wright.....	Salary as secretary and expenses.....	126.55
10.	1068	A. H. Piquenard.....	Salary as architect	300.00
10.	1069	H. F. Getchell and Sons	Lumber and timber.....	57.50
10.	1070	Hiram Robinson	Globe valve and pipe for engine.....	4.70
10.	1071	C. R. I. and P. Railroad	Freights on stone and machinery.....	150.00
10.	1072	Watson Coal and Mining Company	Fuel	21.72
10.	1073	John G. Foote.....	Per diem and expenses superintendent of finance.....	49.50
10.	1074	John G. Foote.....	Pay roll, Des Moines.....	985.03
11.	1075	Scott and Bartlett.....	Sand	203.53
11.	1076	James N. Close.....	Brick on contract.....	550.50
23.	1077	Ed Wright.....	Salary as secretary and stone jacks.....	333.95
23.	1078	W. S. Dart.....	Right-of way rental as per contract	50.00
Apr. 14.	1079	R. S. Finkbine.....	Salary as overseer.....	250.00
20.	1080	Watson Coal and Mining Company	Fuel	25.50
20.	1081	A. H. Piquenard.....	Salary as architect.....	300.00
20.	1082	Hiram Robinson.....	Oil cups and hose.....	21.05
20.	1083	Bolton Bros	Iron and hardware from Dec. to date.....	83.03
20.	1084	E. Walker	Lemont stone.....	196.19
20.	1085	H. F. Getchell and Sons	Lumber and timber.....	469.89
21.	1086	Carroll County S. S. Co.	Dimension stone on contract.....	041.91
21.	1087	C. R. I. and P. Railroad	Freight bills.....	735.25
21.	1088	John G. Foote.....	Per diem and expenses, supt. of finance	37.50
21.	1089	John G. Foote.....	Pay roll—Des Moines.....	2,534.45
21.	1090	Board of Commissioner's	Per diem and expenses.....	288.49
21.	1091	C. C. Winchell & Co.....	Partial payment on engine contract.....	1,500.00

EXHIBIT "E."—CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1875.				
May	5. 1092	Ed Wright.....	Pay roll of workmen.....	3,728.51
	6. 1093	James Wagoner.....	Repairing wagon.....	52.65
	6. 1094	Des Moines Water Co....	Water from November 14, 1874.....	11.56
	6. 1095	A. H. Piquenard.....	Salary as architect.....	300.00
	6. 1096	R. S. Finkbine.....	Salary as overseer.....	225.00
	6. 1097	Ed Wright.....	Salary as secretary and expenses.....	125.25
	6. 1098	H. F. Getchell & Sons.....	Lumber and timber.....	71.62
	6. 1099	Brooks, Wilson & Stein.....	Iron work for derricks.....	425.00
	6. 1100	Bolton Bros.....	Iron, steel and hardware.....	176.41
	6. 1101	Hiram Robinson.....	Hose coupling and water pipe fixtures.....	17.50
	6. 1102	Carr-H Co Sandstone Co.....	Dimension stone on contract.....	1,865.08
	6. 1103	Des Moines Coal Co.....	Fuel and Cement.....	203.00
	8. 1104	James N. Close.....	Brick on contract.....	46.58
	10. 1105	C. R. I. & P. Railroad.....	Freight on stone.....	2,409.75
	10. 1106	St. Genevieve S. S. Co.....	Dimension stone on contract.....	3,134.28
	17. 1107	C. J. Hammer.....	Freight and drayage on oil & machinery.....	22.05
	17. 1108	J. C. Canon & Co.....	Three bbls machine oil.....	82.08
	18. 1109	John G. Foote.....	Per diem and expenses, supt. of finance.....	26.50
	20. 1110	Board of Commission'rs.....	Per diem and expenses.....	129.50
	21. 1111	Gilbert, Hubbard & Co.....	Iron and steel wire rope.....	516.31
	27. 1112	C. C. Winchell & Co.....	Part payment on engine.....	1,242.65
June	1. 1113	C. R. I. & P. Railroad.....	Freight bills.....	4,427.77
	1. 1114	John G. Foote.....	Per diem and expenses, supt. of finance.....	24.10
	1. 1115	Munson & Turner.....	Stone.....	304.14
	1. 1116	Des Moines Water Co.....	Water for May.....	18.15
	1. 1117	A. Robertson.....	Bolts, sockets, etc.....	97.35
	1. 1118	S. A. Robertson.....	Lime.....	24.07
	1. 1119	H. Robinson.....	Hose, nipples and valves.....	12.30
	1. 1120	Gilbert, Hubbard & Co.....	Cotton waste.....	9.00
	1. 1121	Ed Wright.....	Salary as secretary and expenses.....	127.00
	1. 1122	A. H. Piquenard.....	Salary as architect.....	300.00
	1. 1123	R. S. Finkbine.....	Salary as overseer.....	237.00
	2. 1124	Carroll Co. S. S. Co.....	Stone on contract.....	2,645.07
	2. 1125	C. R. I. & P. Railroad.....	Freight on stone.....	50.00
	3. 1127	Des Moines Coal Co.....	Cement and fuel.....	498.70
	3. 1127	Bolton Bros.....	Iron and hardware.....	114.03
	3. 1128	C. H. Ward.....	Paints and oil.....	45.20
	3. 1129	John G. Foote.....	Pay roll.....	8,716.62
June	4. 1130	St. Genevieve S. S. & G. Company.....	Stone on contract.....	4,465.45
	4. 1131	H. F. Getchell and Sons.....	Lumber and timber.....	197.90
14.	1132	St. Genevieve S. S. & G. Company.....	Dimension stone on contract.....	1,544.12
25.	1133	A. H. Piquenard.....	Salary as architect.....	300.00
26.	1134	J. C. Taylor.....	Brick on contract.....	277.10
29.	1135	Carroll county sandstone Company.....	Dimension stone on contract.....	1,793.18
29.	1136	St. Genevieve S. S. & G. Company.....	Dimension stone on contract.....	1,778.98
29.	1137	John G. Foote.....	Per diem and exp. supt. of finance.....	46.05
29.	1138	R. S. Finkbine.....	Salary as overseer.....	250.00
29.	1139	Ed Wright.....	Salary as secretary and expenses.....	126.50
29.	1140	E. Walker.....	Lemont stone for corridor.....	698.50
29.	1141	J. D. Seeberger.....	Iron and rope.....	38.30
29.	1142	Gilbert, Hubbard & Co.....	Iron and steel rope.....	254.32
29.	1143	W. C. Street.....	Drain pipe.....	6.00
29.	1144	C. J. Hammer.....	Drayage and teaming.....	6.25
29.	1145	Hiram Robinson.....	Pipe, nipples, elbows and fitting.....	9.40
29.	1146	Bolton Bros.....	Iron, hardware, nails and tools.....	92.56
29.	1147	H. F. Getchell and Sons.....	Lumber and timber.....	995.31
29.	1148	C. R. I. and P. R. R.....	Freight bills.....	3,562.35
29.	1149	John G. Foote.....	Pay roll.....	12,429.95
29.	1150	Redhead & Wellslager.....	Drawing and tracing paper.....	21.51
29.	1151	Alex Robertson.....	Bolts, sockets, lewisies, and clevises.....	72.44
29.	1152	J. K. & W. H. Gile est.....	Ash lumber.....	11.90
July	2. 1153	C. R. I. and P. R. R.....	Freight bills.....	696.75

EXHIBIT "C."—CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1875.				
July	2. 1154	Des Moines Water Co.....	Water for June.....	20.35
	1155	Brooks, Wilson & Stein.....	Derrick-irons and tools.....	314.10
	1156	S. A. Robertson.....	Lime.....	30.60
	1157	J. S. Clarkson, P. M.....	Stamps, envelopes and postage.....	44.87
	1158	C. C. Winchell and Co.....	Final payment on engine.....	462.80
	29. 1159	A. H. Piquenard.....	Salary as architect, July.....	300.00
	29. 1160	R. S. Finkbine.....	Salary as overseer.....	250.00
	31. 1161	Gilbert, Hubbard & Co.....	Blocks, sheaves and rope.....	107.35
	31. 1162	S. D. Kimbark.....	Railroad spikes.....	10.75
	31. 1163	National File Company.....	Files.....	6.26
	31. 1164	Carter, Hussey & Carl.....	Blanks and blank books.....	4.70
	31. 1165	Ed Wright.....	Salary as secretary and expenses.....	128.00
	31. 1166	E. Walker.....	Lemont stone for corridors.....	882.78
	31. 1167	National File Company.....	Files.....	7.75
Aug.	3. 1168	Des Moines Coal Co.....	Cement and coal.....	1,786.30
	3. 1169	C. R. I. and P. R. R.....	Freight bills for July.....	2,129.10
	3. 1170	S. A. Robertson.....	Lime.....	48.49
	3. 1171	Hiram Robinson.....	Hose, pipe and couplings.....	7.07
	3. 1172	Alex. Robertson.....	Lewisies and hooks.....	81.00
	3. 1173	C. H. Ward.....	Paints and oil.....	21.80
	3. 1174	Brooks, Wilson & Stein.....	Machine and shop work.....	158.80
	3. 1175	J. K. & W. H. Gile est.....	Lumber and dressing.....	26.55
	4. 1176	Ke Moines Water Co.....	Water in July.....	23.87
	4. 1177	H. F. Getchell and Sons.....	Lumber and timber.....	287.41
	4. 1178	John G. Foote.....	Per diem and expenses supt' finance.....	64.90
	4. 1179	Bolton Bros.....	Tools, iron, nails and hardware.....	88.16
	4. 1180	St. Genevieve S.S. & G. Co.....	Stone on contract.....	1,364.09
	4. 1181	J. D. Seeberger.....	Chain and rope.....	54.32
	5. 1182	Carroll Co. S. S. Co.....	Stone on contract.....	1,209.28
	6. 1183	John G. Foote.....	Pay roll for July.....	17,252.54
	7. 1184	J. C. Taylor.....	Brick on J. N. Close contract.....	1,253.09
	7. 1185	S. A. Robertson.....	Brick on J. N. Close contract.....	280.89
20.	1186	C. R. I. & P. R. R.....	Freight bills.....	1,991.50
20.	1187	A. H. Piquenard.....	Models for caps furnished.....	103.35
20.	1188	Board of Commissioners.....	Per diem and expenses.....	217.40
31.	1189	J. C. Taylor.....	Plank for roadway.....	131.80
31.	1190	Ed Wright.....	Salary as secretary.....	200.00
31.	1191	R. S. Finkbine.....	Salary as overseer.....	230.00
31.	1192	A. H. Piquenard.....	Salary as architect.....	300.00
31.	1193	John G. Foote.....	Per diem and expenses as supt' finance.....	77.50
31.	1194	Des Moines Water Co.....	Water for August.....	32.37
31.	1195	H. F. Getchell & Sons.....	Lumber and timber.....	145.63
31.	1196	J. D. Seeberger.....	Rubber packing.....	12.00
31.	1197	Bolton Bros.....	Nails, iron and hardware.....	43.05
31.	1198	Watson Coal Company.....	Coal in August.....	67.98
Sept.	1. 1199	S. A. Robertson.....	Brick and Lime.....	353.18
	2. 1200	Hiram Robinson.....	Water pipe, hose and valves.....	52.63
	2. 1201	St. Genevieve S.S. & G. Co.....	Stone on contract.....	3,095.70
	2. 1202	Des Moines Coal Co.....	Cement in August.....	1,447.85
	4. 1203	Carr-H Co S. S. Co.....	Stone on contract.....	2,912.79
	4. 1204	C. R. I. and P. R. R.....	Freight bills.....	2,108.00
	4. 1205	Brooks, Wilson & Stein.....	Castings and shop work.....	9.55
	4. 1206	J. C. Taylor.....	Brick on J. N. Close contract.....	2,350.43
	4. 1207	John G. Foote.....	Pay roll.....	13,632.76
16.	1208	St. Genevieve S. S. Co.....	Stone on contract.....	935.64
16.	1209	S. A. Robertson.....	Brick on contract.....	274.00
22.	1210	Ed Wright.....	Partial pay roll in September.....	1,867.42
28.	1211	John G. Foote.....	Pay roll in September.....	9,581.57
28.	1212	Brooks, Wilson & Stein.....	Shop work and castings.....	97.98
28.	1213	National File Co.....	Files.....	23.39
28.	1214	John G. Foote.....	Per diem and expenses supt' finance.....	57.90
28.	1215	Francis Geneser.....	Brick estimate 112.....	270.00
28.	1216	S. A. Robertson.....	Brick estimate 113 and lime.....	519.10
28.	1217	Ed Wright.....	Salary as secretary and expenditures.....	155.50
28.	1218	A. H. Piquenard.....	Salary as architect.....	300.00
28.	1219	H. F. Getchell and Sons.....	Lumber and timber.....	81.35

EXHIBIT "E."—CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR	ON WHAT ACCOUNT.	Amount.
1875.				
Sep. 28.	1220	S. D. Kimbark	Railroad iron and spikes	\$ 66.30
28.	1221	C. J. Hammer	Freight paid, and drayage	4.30
28.	1222	R. S. Finkbine	Salary as overseer in September	250.00
28.	1223	Bolton Bros.	Iron, nails and hardware	66.42
30.	1224	Watson Coal and Mining Company	Coal for engines	31.24
Oct. 2.	1225	Des Moines Water Co.	Water furnished in September	38.21
2.	1226	Des Moines Coal Co.	Cement and Blossburg coal	1,738.20
4.	1227	C. R. I. and P. Railroad	Freight bills	2,186.28
5.	1228	Carroll Co. S. S. Co.	Stone on contract	513.33
6.	1229	James N. Close	Brick on contract	191.02
9.	1230	J. C. Taylor	Brick on contract	1,617.77
21.	1231	John P. Irish	Advertising brick wanted	8.00
21.	1232	J. M. Hedrick and Co.	Advertising brick wanted	5.00
22.	1233	Board of Commissioners	Per diem and expenses.	168.01
25.	1234	St. Genevieve S. S. and G. Company	Stone, est. No. 117	7,422.25
25.	1235	J. C. Taylor	Brick, est. No. 118	889.36
Nov. 4.	1236	Ed Wright	Salary as secretary and expenses	155.00
4.	1237	Iowa State Register	Advertising brick wanted	13.00
4.	1238	A. H. Pughard	Salary as architect	300.00
4.	1239	R. S. Finkbine	Salary as overseer	230.00
4.	1240	J. K. and W. H. Gilcrest	Oak lumber	18.00
4.	1241	Watson Coal and Mining Company	Coal furnished	114.30
4.	1242	C. A. Ryden	Carrying mail and express one year	18.25
4.	1243	Hiram Robinson	Valves, steam gauge and nipple	11.00
4.	1244	C. H. Ward	Lumber and timber	233.00
4.	1245	C. H. Ward	Oil and brushes	30.15
4.	1246	Des Moines Coal Co.	Cement	1,880.00
4.	1247	Des Moines Water Co.	Water furnished for October	23.63
4.	1248	John G. Foote	Per diem and expenses as superintendent of finance	49.53
5.	1249	Francis Geneser	Brick, estimate No. 119	323.80
5.	1250	A. Robinson	Brick, estimate No. 120	520.47
5.	1251	Bolton Bros.	Iron, tools, nails, hardware, and zinc	126.70
5.	1252	C. R. I. and P. Railroad	Freight bills on stone	3,242.25
5.	1253	Carroll Co. Sandstone Co.	Stone, estimate No. 121	1,241.38
5.	1254	John G. Foote	Pay roll of workmen	13,422.60
8.	1255	Brooks, Wilson & Stein	Costings and shop work	63.20
8.	1256	J. C. Taylor	Brick on contract	851.15
18.	1257	St. Genevieve S. S. and G. Company	Stone on contract	1,550.81
30.	1258	Des Moines Water Co.	Water in November	156.60
30.	1259	Blasler and Briggoff	Ice for office and shops for season	7.00
30.	1260	Carter, Hussey & Curd	Drafting paper	17.32
30.	1261	A. H. Swan, Attorney	Rental on right-of-way for railroad	7.25
30.	1262	John G. Foote	Per diem and expenses as superintendent of finance	246.00
30.	1263	Ed Wright	Salary as secretary for November	49.45
30.	1264	H. S. Finkbine	Salary as overseer	250.00
30.	1265	A. H. Pughard	Salary as architect	300.00
Dec. 1.	1266	Hiram Robinson	Valves, couplings, pipe, etc	15.41
1.	1267	Bolton Bros.	Iron, hardware and nails	11.51
1.	1268	C. R. I. and P. Railroad	Freight bills for November	15.41
2.	1269	Carroll Co. Sandstone Co.	Stone on contract	3,772.75
2.	1270	St. Genevieve S. S. and G. Company	Stone on contract	1,355.64
2.	1271	Francis Geneser	Stone on contract	56.93
2.	1272	J. C. Taylor	Brick, final estimate	498.14
2.	1273	James N. Close	Brick on contract	2,215.20
2.	1274	H. F. Getchell and Sons	Lumber and timber	370.89
2.	1275	John G. Foote	Pay roll	101.69
8.	1276	Des Moines Coal Co.	Cement and coal	7,536.55
				530.70

Total expenditures for 1875; Classified as shown in Exhibit "G." \$210,649.86

[EXHIBIT "F."]
GENERAL STATEMENT

Of Cash received in 1875, and to what Class credited.
CASH RECEIVED AS FOLLOWS.

ARTICLES SOLD.	TO WHOM CREDITED.	Amount
For spawls sold	Credited to Carroll county Sandstone	\$ 43.50
For spawls sold	Credited to Ste. Genevieve Sandstone	39.20
For two derricks and spawls sold	Credited to Iowa City quarry	161.26
For pitch sold	Credited to brick masonry	63.13
For old castings sold	Credited to tools and machinery	2.50
For old lumber	Credited to railroad	8.49
For sand	Credited to sand	6.83
For tree tops	Credited to expenses	4.00
For old lumber	Credited to lumber and timber	2.50
For brick bats	Credited to brick	11.00
	On hand	\$839.34

[EXHIBIT "G."]
CLASSIFIED STATEMENT

Of Expenditures in detail from January 1st to November 30th, 1875.

ON WHAT ACCOUNT.	Amount
Pians	\$ 90.86
Excavation and drainage	4,456.06
Stone	6.00
Sand	662.66
Expenses	96.12
Salaries	9,671.32
Brick-masonry	868.13
Concrete	207.38
Printing and advertising	29.50
General labor	709.69
Patterns	321.15
Water	178.46
Quarry	2,664.81
Brick-masonry, basement	1,099.40
Limestone cutting	383.04
Carroll county sandstone	5,340.34
Railroad	1,520.60
Lumber and timber	2,454.13
Wrought iron-work	11.72
Carpenter work	1,859.29
Cement	7,491.60
Board of commissioners	883.30
File	792.79
Machinery and tools	8,454.14
Nails and hardware	166.25
Water-pipe, meter	86.53
Brick	13,528.31
Iron and steel	51.42
Cast iron work	159.31
Lime	7.50
Carroll county sandstone	23,770.48
Ste. Genevieve sandstone	41,611.29
Sandstone cutting	47,285.62
Hubbing sandstone	5,933.85
Accidents	.50
Extra handling stone	712.50
Brick masonry at quarry	18,445.09
Sandstone setting	8,462.55
	\$210,712.99
Brick-masonry material sold	63.13
Total expenditures for 1875	\$210,649.86

[EXHIBIT "H."]

CLASSIFIED STATEMENT

Of the aggregate expenditures from the commencement of the work to November 30th, 1875.

ON WHAT ACCOUNT.	Amount.
Plans	4,023.71
Excavation and drainage	15,610.99
Stone	96,801.86
Cistern	1,512.12
Sand	4,083.04
Expenses and miscellaneous	1,642.35
Salaries	41,069.97
Repairs, foundation	52,353.76
Stone masonry	14,711.21
Brick masonry	7,789.80
Concrete	5,333.96
Printing and advertising	2,048.15
General labor	807.21
Patterns	699.52
Water	738.67
Rubble masonry	4,765.97
Iowa City quarry	66,871.30
Brick masonry, basement	17,100.37
Stone setting	6,149.37
Cash	339.34
Stone-cutting	88,576.64
Railroad	12,637.90
Lumber and timber	6,015.15
Wrought iron-work	13,310.16
Carpenter-work	5,947.16
Cement	27,373.31
Board of Commissioners	12,317.37
Fuel	2,261.63
Machinery and tools	18,807.33
Nails and hardware	643.91
Water-pipe and meter	737.44
Brick	50,446.61
Iron and steel	342.31
Cast iron work	754.77
Lime	334.86
Carroll county stone	29,755.85
St. Genevieve stone	46,215.19
Sandstone cutting	55,166.02
Rubbing stone	6,025.08
Accidents	173.50
Extra handling stone	797.56
Brick-masonry, 1st story	18,445.60
Stone-setting, 1st story	8,462.58
Total expenditures to November 30th, 1875	\$750,000.00

[EXHIBIT "I."]

CONSOLIDATED CLASSIFIED STATEMENT

Of expenditures and appropriations to November 30th, 1875.

CLASSIFICATION OF ACCOUNTS..	Classified statement of the aggregate expenditures in detail from the commencement of the work to Dec. 31st, 1873.	Classified statement of expenditures in detail from January 1st to December 31st, 1874.	Classified statement of expenditures in detail from January 1st to November 30th, 1875.	Classified statement of the aggregate expenditures in detail from the commencement of the work to Nov. 30th, 1875.
Plans	\$ 3,943.11	\$ 49.74	\$ 30.86	\$ 4,023.71
Excavation and drainage	15,604.99		6.00	15,610.99
Stone	89,426.72	2,819.08	4,456.06	96,801.86
Cistern	1,512.12			1,512.12
Sand	2,723.69	696.69	662.66	4,083.04
Expenses	1,375.11			
Miscellaneous expenses	62.13	105.99	99.12	1,642.35
Salaries	21,503.42	9,895.35	9,671.20	41,069.97
Repairs, foundation	52,353.76			52,353.76
Stone-masonry	14,711.21			14,711.21
Brick-masonry	7,835.23	37.70	(63.13)	7,789.80
Concrete	4,389.68	646.30	297.38	5,333.36
Printing and advertising	1,864.40	154.25	29.50	2,048.15
General labor	50.59	46.93	709.69	807.21
Patterns	74.86	303.51	321.15	699.52
Water	475.03	85.18	178.46	738.67
Rubble-masonry	4,765.97			4,765.97
Iowa City quarry	24,080.77	40,125.72	2,664.81	66,871.30
Brick-masonry, basement	2,323.51	13,677.46	1,999.40	17,100.37
Stone-setting	863.35	4,526.98	759.04	6,149.37
Cash			339.34	339.34
Stone-cutting	51,267.88	30,851.10	6,457.66	88,576.64
Railroad	10,177.77	939.63	1,520.50	12,637.90
Lumber and timber	2,939.16	1,021.86	2,954.13	6,015.15
Wrought iron-work	488.08	12,810.36	11.72	13,310.16
Carpenter-work	2,938.86	1,419.01	1,589.29	5,947.16
Cement	13,617.62	6,264.09	7,491.60	27,373.31
Board of Commissioners	9,143.31	2,290.76	7,883.30	12,317.37
Fuel	957.24	511.56	792.79	2,261.63
Machinery and tools	9,352.63	1,004.56	8,451.14	18,807.33
Nails and hardware	458.32	76.33	109.26	643.91
Water pipe and meter	647.46	3.40	86.58	737.44
Brick	22,645.00	38.03	13,508.51	50,446.61
Iron and steel	252.86		51.42	342.31
Cast iron-work		754.27	50	754.77
Lime		159.55	178.31	334.86
Carroll county stone		5,985.37	23,770.48	29,755.85
St. Genevieve stone		4,703.90	41,511.20	46,215.19
Sandstone cutting		7,880.40	47,285.62	55,166.02
Rubbing stone		71.25	5,953.83	6,025.08
Accidents		173.00	50	173.50
Extra handling stone		85.06	712.50	797.56
Brick-masonry, 1st story			18,445.60	18,445.60
Stone-setting, 1st story			8,462.58	8,462.58
Total	\$ 371,825.88	\$ 164,524.26	\$ 210,712.99	\$ 750,000.00
Less brick-masonry materials sold			63.13	
			\$ 210,649.86	

APPROPRIATIONS.

Made by chapter 110, Laws of the Thirteenth General Assembly	\$150,000.00
Made by chapter 35, General Laws of the Thirteenth Gen'l. Assembly for 1872	100,000.00
Made by chapter 35, General Laws of the Fourteenth Gen'l. Assembly for 1873	125,000.00
Made by chapter 35, General Laws of the Fourteenth Gen'l. Assembly for 1874	125,000.00
Made by chapter 35, General Laws of the Fourteenth Gen'l. Assembly for 1874	75,000.00
Made by chapter 48, Local Laws of the Fifteenth General Assembly for 1875	125,000.00
Made by chapter 35, General Laws of the Fifteenth Gen'l. Assembly for 1875	50,000.00
Made by chapter 48, Local Laws of the Fifteenth General Assembly for 1875	50,000.00
Total appropriations to December 31st, 1875	750,000.00
Aggregate expenditure classified as shown above to November 30th, 1875	\$750,000.00

NUMBER SIX.

REPORT OF THE ARCHITECT.

To the Honorable Board of New Capitol Commissioners, Des Moines, Iowa :

GENTLEMEN :—Please find herewith the report of your architect on the progress of the work on the new capitol for the last two years, and on the quality of labor and materials used, with such suggestions for the further prosecution of the said work as he believes to be advisable.

You will find in the report of the overseer of construction, Mr. R. S. Finkbine, a detail of the quantity and value of all the work performed and material bought, which I will not repeat. You will find, by a comparison of the cost of such work, done as we do it in the capitol, with the cost of the same quality of work done in other public buildings, either contracted or done by day labor, under the general government system, sufficient ground to be satisfied that we have taken the best system as regards cost as well as the quality of the work.

We have laid all our brickwork in cement mortar at a greater cost than lime mortar, but the plainest examination shows the superiority of such work. This mortar is in itself stronger than the bricks, and with care taken to have all joints, either vertical or horizontal, well and carefully filled with said mortar, the whole work is nearly as if made of one block. There was a necessity for the use of cement mortar instead of lime on account of its quick setting qualities which prevents any settlement in the brick backing to the interior walls, as by the construction of heavy stone masonry with bond courses at proper places, we could not allow the use of such a material as lime mortar, requiring months before setting, as it would endanger the safety of the bond stone, which would have to carry the upper weight without proper support underneath; the settling of the brick masonry lowering the rear support, when the face stone remain the same.

We have saved quite a large amount of iron in the floor already put in place, as the basement being principally used for store room, no objection could be made to iron columns, supporting the principal girders, and thus diminishing their weight. We could not, with the proper distribution of the rooms of the next story, do the same without destroying their convenience and general appearance so that the iron

floors of the upper stories will cost more than the floor already laid, but less, however, than the first estimate for the same.

The brickwork of the dome piers is subdivided at convenient heights by bond stone, spreading the weight over the whole pier, where the construction makes it uneven.

We have as much as possible done the work so as to distribute the weights equally on the foundations, and to prevent the unequal settlement of the different parts, so unhappily frequent in large buildings.

Since my last biennial report, the basement story has been completed at a cost of :

For stone, cutting and setting.....	\$144,215.60
For brick and laying.....	50,703.27
For iron floor.....	15,015.38
For concreting.....	869.03
Total.....	\$210,803.58

The main story is completed except a part of the north side for which all stone, but about 3,000 feet is on the ground and mostly cut; we have also more than 3,000 feet of stone for the next story on the ground.

The stone work in the west and east corridors is made of the Magnesian lime stone, of Lemont, Illinois, as it will have in many places heavy weights to carry when the dome will be constructed, and that stone is of a crushing strength nearly double to that of the Ste. Genevieve sandstone. This stone costs us some what more, for stone and cutting, than the sandstone of the exterior, but is worth the whole cost by its special qualities of resistance to compression.

When your board found the impossibility of obtaining from the quarries of Messrs. Munson & Turner, stone in sufficient quantity, of the dimensions and quality required for the building, you decided to advertise anew for stone for the superstructure, and after visiting with your architect the different quarries represented in the proposals offered, your board have contracted all the stone required for the outside facing of the building with two different parties, one furnishing the light buff colored Ste. Genevieve sandstone, for the plain work of the building, at the price of one dollar and thirteen cents a cubic foot, and the other furnishing the light blue Carroll county sandstone, for the trimmings and moulded part at the price of ninety-five cents per cubic foot. Both of these prices are low considering the heavy freight necessary to bring stone from such a distance, and considerably cheaper than the lowest bid of acceptable stone given the preceding year, if we except Munson & Turner's proposal.

The Ste. Genevieve sandstone is a close, fine grained stone, the cement binding the sand being nearly pure silica; it is very strong for a sandstone, a little hard to cut, in fact I consider it the strongest and most durable sandstone I have ever seen used, and it is of a very uniform and pleasing color.

The Carroll county, Missouri, sandstone is also a very fine grained stone, the cement binding the sand being a carbonate of lime, it is not so strong as the St. Genevieve, but it is much easier to cut and in using it for mouldings, carving and other ornamental work, we have saved a large percentage in the cutting.

The stone of both these quarries have been proven by long actual experience to stand very well all the influences of the weather, the Carroll county stone being second only to the Ste. Genevieve stone.

The effect of the contrast between stone of different color in the building, in the manner we are doing it, is, I believe very pleasing in appearance and increases considerably the general effect of the design. You can judge of the truth of this remark by the work already set; the upper part will certainly appear better yet than the lower story.

It has also been a fortunate resolution to have the stone taken from two different quarries, on account of unforeseen high water, damage to railroads, etc., so that some times one or the other of these quarries have been, without any fault or neglect of the contractors, unable to furnish the stone at such time as was required for the stone-cutters, and it would often have delayed considerably our work if the stone had been taken from one quarry alone, or had both quarries been near one another so that the same causes of delay would have occurred at the same time.

In speaking of stone, permit me to call your earnest attention to the fact that in the estimate made to conform to the requirement of the law limiting the cost of the building to the sum of one and a half million of dollars, the corinthian caps over the stone columns had to be made of cast iron and the cornice of galvanized iron, all painted in imitation of stone. At the same time that such work may be advisable in ordinary buildings, made to bear a certain interest to their owners, and destined in the near future by the natural increase of value of the ground, to be replaced by other and better buildings, I may be permitted to say that for a building built to last centuries, it is a bad and at the end costly experiment. Besides the sham they represent, which ought not to exist in the construction of a public building, especially the most important and costly built by the great state of Iowa, and destined to represent to future generations the degree of culture, intelligence, wealth, and public spirit of our times, these materials are destined to decay and will require in a certain time to be removed and replaced. As they belong to the constructive part of the building, it will be next to impossible to replace them by stone, so that it will force the same error to be continued by every generation.

The iron, cast or galvanised, will, if not carefully painted and repainted every few years, certainly rust and the rust will run on the stone underneath and discolor it in such a way that it may be impossible to repair it. It will require special care not only to have said painting done in time, but also great care to have it well done, as a small part left exposed would be sufficient to discolor a large surface. Besides in regard to a public building where a special law has to be passed to make an appropriation for such repairs, the time intervening between the meeting of two legislative assemblies may be sufficient to spoil a large amount of cut stone work. Members of your Board may remember that twenty years ago much iron for sills and caps for doors and windows was used in private buildings, and though cheaper than stone, because of these reasons the practice has been totally abandoned in our time.

The cost of such Corinthian caps and cornice, if made of stone, will be \$85,000, including stone, cutting and setting, and I believe no money

can be better applied to make the building substantial in fact as well as in appearance.

I call more especially your attention at this time, on account of the necessity of having the change, if made at all, ordered by the legislature meeting this winter, as it will be too late at the meeting of the following legislative assembly two years hence.

It would be advisable, and even necessary for the good of the building, to have the same placed under roof in the next two years. It seems unnecessary to give many reasons for the same. The best of work needs protection from the weather, and ought not to be left many years exposed to the action of the winter. It is a matter of economy in construction, in the payment of annual salaries, as also in the cheapness of work done in large quantities; and I consider that the legislature will see the necessity of the use of the new capitol instead of the old building, and will from this cause alone find sufficient reason to push the work with all possible dispatch.

Before giving the cost of placing the building under roof, I will also call your attention to the necessity of having all the hard wood lumber for the inside finish on the grounds and drying. I know that none of it will be required for use for two years, and the most of it for three years, but it is next to impossible to find in the market the quantity of dry lumber required, and its value is double that of green lumber, hence it is necessary, both on account of economy and certainty to have it when required, to buy it a long time in advance. We bought most of the hard wood lumber for the state house of Illinois, three years in advance, and we found by actual experience, that no money could have been more judiciously expended by reason of economy and of the good work performed.

The iron work for the roof has to be ordered a long time before wanted, as it is quite complicated and slow in execution, as are many other items which require much labor, hence the necessity of having provision made for the same a long time in advance, so that no unnecessary delay can occur in the completion of the work, which in certain cases may force us to discharge our hands, and replace them afterwards to the great detriment of the work and to an increased cost in its execution.

I propose, with your approbation, to have the roof covered with sheet zinc, such as I used for the Illinois state-house roof. I consider this roofing material as good as copper, (many in Europe consider it equal to bronze), and its cost is only half. It requires no painting, as it practically paints itself by its oxidation, which protects the zinc underneath and which cannot be taken off except by acids. The only difficulty is to prevent the effect of expansion and contraction which is greater than in any other metal, but which has been well overcome in Illinois where it was done under my direction. In a few years, when the workmen of this country shall have learned how to use it, I have no doubt that it will be the roofing material of all good buildings. It has to be used quite heavy, no less than one pound and a quarter per foot for ordinary buildings, and one and a half pounds, or more, is advisable for public buildings.

It is used on the continent of Europe for all kinds of buildings, public or private, with perfect success, and I have used it in different small

buildings in this country and on the state house of Illinois, and it has proved just as good and lasting as in Europe, and more durable in the last named building, than any other roof, as in the construction of the dome there has not been any working day without from four to five men all the time on said roof, and for months before, it was often used as a common passage for all the workmen, and for carrying material, without any perceptible effect. I can say, also, that it is the best looking roof of all, as may be seen in the state house of Illinois, where all the sheets are twelve feet long and two feet wide.

I estimate the value of the work necessary to place the building under roof at \$600,000.00, divided as follows:

Stone for inside and outside.....	\$158,500.00
Cutting of same, except cornice and caps.....	89,500.00
Cutting of cornice and caps.....	45,500.00
Setting of stone.....	31,550.00
Brick work.....	71,500.00
Iron columns and plates—cast.....	4,700.00
Wrought iron of second story and gallery.....	43,300.00
Wrought iron framing of roof and ceiling.....	41,000.00
Roofing and sheeting.....	31,700.00
Hard wood lumber.....	16,000.00
Carpenter's work.....	3,500.00
Rough lumber.....	4,000.00
Patterns for stone carving and iron casting.....	1,500.00
General labor.....	1,500.00
Fuel.....	1,800.00
Salaries, railroad track, stationery, and miscellaneous expense.....	26,000.00
Contingencies and materials to be prepared for the following year's work.....	28,150.00
	<hr/>
	\$600,000.00

All of which is respectfully submitted.

A. H. PIQUENARD,
Architect Iowa State Capitol.

DES MOINES, IOWA, December 16, 1875.

FIRST REPORT

OF THE

STATE FISH COMMISSIONERS.

OF IOWA,

FOR THE YEARS 1874 AND 1875.

DES MOINES:
R. P. CLARKSON, STATE PRINTER.
1876.