FOURTH BIENNIAL REPORT

OF THE

BOARD

CAPITOL COMMISSIONERS

TO THE

Governor of Iowa.

NOVEMBER 30, 1877.

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

BOARD OF COMMISSIONERS.

GOV J. G. NEWBOLDPresid	ent, ex-officio.
GOV. J. H. GEAR President, ex-officio, after	Jan. 17, 1878.
MATURIN L. FISHER	. Farmersburg.
JOHN G. FOOTE	Burlington.
PETER E. DEY	Iowa City.
R. S. FINKBINE	Iowa City.
ED WRIGHT, Secretary	. Des Moines.

BELL & HACKNEY, Architects, Springfield, Ill., and Des Moines, Ia.

R. S. FINKBINE......Overseer of Construction.

JOHN G. FOOTE......Superintendent of Finance.

ED WRIGHT......Assistant Overseer of Construction.

REPORT OF BOARD OF COMMISSIONERS.

To His Excellency, Joshua G. Newbold, Governor of the State of Iowa:

The commissioners appointed to superintend the erection of the new Capitol building think it advisable in submitting their biennial report to give a brief history of the work from the beginning, instead of confining themselves to the progress of the building from the date of their last report to the present time.

The first board of commissioners submitted four sets of plans of a Capitol building to Mr. Edward Clark, architect of the National Capitol building, for his inspection and criticism.

Mr. Clark suggested modifications of all the plans referred to him, and in reference to the plans known as the "Palladian," designed by Messrs. Cochrane & Piquenard, recommended that it be modified "by abolishing the attic stories and domes at the four corners and omitting the great dome for the present," with other changes in detail in order to lessen the cost.

The commissioners caused one of the plans, that of Messrs. Cochrane & Piquenard, to be modified in accordance with most of the suggestions of Mr. Clark, omitting only those that were a matter of specification as to the material to be used, and again referred them to Mr. Clark for his further inspection and suggestion. Mr. Clark made the following recommendations as to alterations in the modified plans:

- 1st. "That a large sum might be saved, and in my opinion the appearance of the building improved by reducing the height of the basement story, and abolishing the floor between the basement and cellar, making of them one story, instead of two as shown on the section.
- 2d. The panel and the acroteria in the pediment might be omitted. The finish of the walls of the porticos in the rear of the columns might be less elaborate, and the attached columns of the arcades be omitted, leaving plain piers.
 - 3d. The foliated caps of the columns might be made of iron."

Mr. Clark adds, "These suggestions are made mainly to keep the cost within the sum fixed by law."

Without taking action on the latter recommendations of Mr. Clark, or formally adopting the plans, as prepared and modified by Messrs. Cochrane & Piquenard, the commissioners began and prosecuted the work on the building during the season of 1871, in accordance with said modified plan.

When the present Board of Commissioners took charge of the work, they were directed by law as follows: "To cause the present foundations, and material on hand, to be carefully and skillfully inspected and examined with regard to the quality of the material, and the character of the work; and shall cause to be changed, rejected, and removed any part thereof that in their judgment does not conform to a proper standard of material and workmanship."

The law further provided that the Commissioners "shall direct all their action with a view to the completion of the building for the sum of one million five hundred thousand dollars." The Commissioners, in obedience to the law, caused a revision to be made of the estimates of their architects, and were satisfied that the building could not be completed in accordance with the plans as modified by leaving off the domes for the sum named in the law.

They considered the question of reducing the building in size, in order to decrease the cost, and deemed it not advisable, as it would be necessary to abandon all that had been done, and compel them to prepare and adopt new plans. They considered the recommendations of Mr. Edward Clark to the first Board of Commissioners, and rejected the first, that of reducing the building in height some nine feet, and they now point to the completed portion of the exterior for a demonstration of the correctness of their decision.

They adopted the others, with the exception of the change in the arcade columns, and altered their specifications accordingly; but these changes, in their judgment, did not sufficiently reduce the cost; and they directed their architects to further vary the specifications in the following particulars, to accomplish the desired object: "To substitute galvanized iron for cut stone in the cornice, to use cast iron for all capitals instead of cut stone, to use iron in place of marble in the grand staircase, to substitute hard wood for marble in the floors of the halls and corridors, to use English crystal or French cylinder in place of plate glass, and to leave out the committee rooms over the library, and the upper story of the east wing."

After making these changes, the Commissioners adopted the plans and specifications, and have worked from them.

At the session of 1876, the General Assembly directed the Commissioners to restore the original specifications so far as the change affected the capitals of the columns and pilasters and the cornice, which, so far as the walls are completed, are, and the balance will be, of stone.

During the progress of the work some changes, both as to the kind of material and the character of the construction of portions of the work, were, in the judgment of the Commissioners, advisable, as it was their aim to have both material and workmanship of the best quality. This has been attained in some instances at an increased cost over what was originally contemplated. The Commissioners are confident that in the light of the disasters which have recently overtaken some of the public buildings of the country, their course in these particulars was the only proper one to pursue.

It was almost impossible to procure limestone of sufficient size, and of the proper texture and color, for the columns around the interior of the dome, on the level of the House and Senate floors. Accordingly they have been made of polished granite at an increased cost of \$4,630.20.

The original specifications for the roof provided for an iron framework, and a covering of wood-sheathing and galvanized iron. The roof of the Patent Office at Washington, that was destroyed by fire during the past summer, was of similar construction, except that copper was used on wood-sheathing. The Commissioners desired to cover the Capitol building with a roof that should be durable, and as near as possible fire-proof, whether attacked from the exterior or from within. To attain this end it was important that wood be entirely omitted from the construction. The roof which the Commissioners have provided consists of an iron frame-work and rafters, on which is laid a sheathing of porous terra cotta; the covering of slate is bedded in Portland cement, and nailed to the terra cotta. This roof being heavier, involved stronger construction, and will increase the cost for the whole roof in round numbers \$10,500.00.

The building, as originally planned by Messrs. Cochrane & Piquenard, was designed to be finished with a turret or small dome, on each of the four pavilions, and a main dome in the center. In the modified plans, as suggested by Mr. Edward Clark, these were left off, and the pavilions were to be finished with balustrades and flat roof.

The walls of the main dome were to be carried up to the level of the ridge-line of the roof, and covered with a skylight. These are the plans as adopted by the Commissioners. The original plans provided

for a dome to be constructed of iron above the level of the ridge-line. In the judgment of the Commissioners iron is not the best material for out-door construction, from its tendency to corrode, and its liability to expand and contract with every change of temperature. They therefore deemed it best to construct that part of the work which they had in charge sufficiently strong to bear a dome built of stone, should it be thought desirable to build one, and use that material. To do this it was found necessary to increase the size and strength of the dome supports at four points, beginning at the foundation line, and continuing up to the level of the ceiling of the Senate. This has resulted in an increase of cost, amounting to \$5,392.41.

The Commissioners desire to say, that, in making the changes in the specifications, they have done so, only from the necessity of reducing the cost, and the changes which were made thereby were such as could be afterwards restored, with advantage to the building. They would respectfully recommend that they be given authority to restore all, as they have already been directed, to change the most important, that which affected the constructive part of the building.

The progress of the work on the building is such, that the Commissioners now ask to be directed whether the modified plans, which they have adopted, shall be carried out, and the building be finished without the turrets and main dome, or whether these shall be constructed. We estimate the cost of the great dome and turrets at \$461,190.24.

If it is intended to complete the building without the main dome, the small domes on the pavilions should also be omitted. In that case there only remains to place the balustrades and slate roofs on the south pavilions, to complete the entire exterior of that part of the building south of the main dome. If it is intended to erect the main dome, but at some future time, the small domes, as they involve but little additional cost, should be built as the work progresses. If it is intended to build both large and small domes as the work progresses, then all can be carried on together.

The Commissioners desire to say that the carrying on of the entire work is a question of cost, rather than of time, as the construction of the dome need not delay the finishing of the interior of the building. The Commissioners have caused careful drawings, and estimates of the cost of the construction of the turrets and dome, to be made for the information of the General Assembly, which they believe to be as accurate as an estimate of such unusual work can be made. The estimates are submitted in the architects report.

Since the date of the last report of the Commissioners, contracts have been made, after advertising as provided by law, with Emanuel Haugh, of Indianapolis, Indiana, for all the wrought and cast iron work for the roof of the Capitol building at five cents per pound for the wrought and two and one fourth cents per pound for the cast iron, all delivered on the Capitol grounds. A contract was made with Frederick Haas, of Rock Island, Ill., for all the copper work of the roof, consisting of gutters, valleys, conductors and flashings at forty-three cents per pound put in place on the building. The slate for the roof covering was contracted for with the Huron Bay Slate Company, of Marquette, Michigan, at \$7.75 per square, delivered on the Capitol grounds. A contract was made with the Iowa Terra Cotta and Fire Clay Company, of Eldora, Iowa, to furnish all the porous terra cotta for the roof at seventeen and a half-cents per square foot delivered on the Capitol grounds.

On the nineteenth of November, 1876, Mr. A. H. Piquenard, Architect of the Capitol building, died at his residence in Springfield, Ill. At the next meeting of the Commissioners in December following, they elected to Mr. Piquenard's place Messrs. Bell and Hackney, who were to assume the duties of Architects on January first of the present year. Mr. Bell had been engaged as Mr. Piquenard's assistant on the Illinois Capitol from its commencement. Mr. Hackney had been similarly employed on the Iowa Capitol building.

During the past two years, and since the date of the last report of the Commissioners, the walls of the first or office story have been completed, the wing south of the main dome has been built the entire height, and placed under roof, with the exception of the corner pavilions. The balance of the exterior walls have been built to the level of the window-sills of the gallery story, the columns and piers supporting the dome have been set through the office and hall stories, the arches turned over them and the dome walls carried up to the level of the Senate ceiling. The iron beams, girders, and trusses forming the hall and gallery stories have been put in place. The hard wood for the uterior finish of the building has been procured, and is stuck up on the ground. There is a large amount of material of different kinds on hand, for a detailed statement of which your attention is called to the report of the overseer of construction.

So soon as the building is placed under roof, the heating apparatus should be provided and put in place, in order that the walls may be dried and the finishing carried on at all seasons of the year. The

2

boiler-house should be located off of the capitol grounds to prevent the smoke and soot from discoloring the building. The Commissioners ask that authority be given to purchase a lot for this purpose across the street from the capitol square, as the boiler-house should be erected and the heating apparatus put in within the coming two years.

The Commissioners take this occasion to repeat that an appropriation large enough to prosecute the work with all the hands that can be kept advantageously employed is the best economy, and say that at no time since the completion of the foundation has this been possible, for want of sufficient appropriation.

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

1st. The condensed report of the overseer of construction of the work on the capitol building for the years 1876 and 1877.

2d. Report of the Superintendent of Finance of the expenditures in detail for the years 1876 and 1877, and of the classified expenditures from the commencement of work on the building.

3d. Report of the Architects for the years 1876 and 1877.

4th. Report of the Architects on the cost of constructing main dome and turrets.

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

NUMBER ONE.

CONSOLIDATED REPORT OF OVERSEER OF CONSTRUC-TION FOR THE YEARS 1876-7.

To the Capitol Commissioners-

GENTLEMEN:—I herewith submit my report of the materials purchased and delivered on contracts, and of the work done on the new capitol building in the years 1876 and 1877, condensed from my annual reports.

During the above named time the walls of the first or office story have been completed, the south wing has been built the entire height, the arcade balustrades set, the roof put on with the exception of the two pavilions; the balance of the walls have been carried up to the level of the window sills of the upper or gallery story; the dome piers and columns have been set, the circular arches turned, and the walls carried up to the level of the Senate ceiling.

I purchased, as directed by the Commissioners, at various times during the year 1876, the sand needed for the ensuing season's work, at two and one-fourth cents per bushel, delivered; the cast iron plates for the beams of the second and gallery floors, at two and three-fourth cents per pound, delivered; the stone for the portico floors of Jas. Cash, at Lemont, Ill., at the following prices, delivered on the cars at Joliet, Ill.:

Stone to dress 6 inches thick, at 24 cents per square foot. Stone to dress 8 inches thick, at 40 cents per square foot. Stone to dress 10 inches thick, at 45 cents per square foot. Stone to dress 14 inches thick, at 55 cents per square foot. Stone to dress 16 inches thick, at 64 cents per square foot.

I purchased of L. Robinson, of Sauk Rapids, Minnesota, the granite for the bases and caps of the pedestals to the rotunda column, at 80 cents per cubic foot on cars at quarry, which cost \$1.75 per cubic foot delivered at capitol.

I purchased of P. W. Schneider, of St. Louis, at different times

shown by my reports, the granite dies, bases and shafts for the rotunda columns. This work Mr. Schneider furnished on the cars in St. Louis, of red granite, polished, at \$5.00 per cubic foot for the columns and dies, and \$6.00 for the bases.

I purchased of Edwin Walker, of Lemont, Illinois, a portion of the limestone for the pilasters of the second and gallery stories, at 80 cents per cubic foot for the smaller, and 90 cents for the larger sizes, delivered on cars at Joliet.

I purchase of the Illinois Stone Company, of Chicago, the balance of the limestone for the pilasters, columns and capitals for interior work of second and gallery stories, at 72 cents per cubic foot, on cars at Joliet.

I bought of J. Y. Macomb, of Chicago, a brick hoisting machine, costing \$400.00 on cars.

During the year 1877 the following purchases were made:

Sand for the season's work, at 21 cents per bushel.

The iron ceiling beams for the east wing, the pavilions and south portico, of Union Foundry Works, Chicago, at \$3.65 per pound, delivered.

The iron tie rods for arches of portico, of Brooks & Co., Des Moines, at \$75.55.

The iron tie rods for dome work, of Union Foundry Company, Chicago, at \$408 93.

Portland cement for roof, of Conrad Youngerman, Des Moines, at \$4.70 per barrel, delivered.

The terra cotta balusters, of Chicago Terra Cotta Company, Chicago, at \$3.75 each.

I purchased of Edwin Walker, of Lemont, Illinois, a portion of the stone for dome work, including the larger sizes wanted, at 80 and 90 cents per cubic foot, on the cars, and a portion of the Illinois Stone Company, at 72 cents, and a part at 60 cents; the bond stone I bought of Worthy & Brother, of Chicago, at 30 61-100c. per cubic foot, on cars.

The miscellaneous purchases will be set forth in detail.

There has been no change in the organization of the working force on the building since the date of my last report.

Statements are attached, showing the amount and kind of material received, and work done during the years 1876 and 1877, and from the commencement of the work. Also, statement showing the amount and kinds of material on hand.

R. S. FINKBINE, Overseer of Construction.

STATEMENT

Of material received for the Capitol building during the years 1876-7:

Dimension Stone.

ft		n. 11	ft.	in.
Limestone from Illinois Stone Co	12	6		
Limestone from James Cash	37	3	12,675	5
Candatone from Carroll County Sandstone Co	52	9		
Sandstone from Ste. Genevieve Sandstone and Granite Co	39	3-	102,992	0
Granite from L. Robinson & Son 2: Granite from P. W. Schneider 1,66	07	8-	1,895	4
Total dimension stone received			117,562	9

Brick received.

From J.C. Taylor	2,000,250
Total number brick received	-

Cast Iron-Pounds.

From Samuel Green	39,482 9,747
Total pounds cast iron	49,229

Wrought Iron Work-Pounds.

From Union Foundry Works	817,513
From Emanuel Haugh From Bolton Brothers.	440
From Brooks, Wilson & Stein'	798
From McDonnell & Meara	1002

Pine Lumber and Timber Received - Feet.

From H. F. Getchell & Sons	238,336
From J. K. & W. H. Gilcrest	48,673
From Chicago Lumber Co	38,013
Total feet pine lumber and timber	325,022

1877.]

15

Hardwood Lumber Received-Feet. From J. K. Gilcrest, Oak From J. K. Gilcrest. Black Walnut..... 25.028 From J. K. Gilcrest, Yellow Pine flooring..... 120,643 From Harbach & Jackson, Black Walnut..... 55,368 From Harbach & Jackson, White Walnut 32,794 From Harbach & Jackson, Cherry..... 30.119 From Chicago Lumber Co., Yellow Pine..... 40 399 From Chicago Lumber Co., Ash flooring 50.999 From James C, Trotter, Chestnut..... 30,958 Total feet hardwood lumber received..... Lime Received-Bushels. From Des Moines Coal Co..... 5.919 From'S. A. Robertson..... Total bushels lime received..... 5,9551 Sand Received—Bushels. From Scott & Bartlett..... 16,251 From Christ Huser..... From G. W. Logan.... 5.157 From Patrick Sullivan..... 5.062 From P. E. Bartiett..... 5.285 From James Hartman.... 5,317 Total bushels sand received..... 43,408 Cement, Utica-Pounds. From S. A. Robertson..... Portland Cement-Barrels. From Conrad Youngerman.... 116 Plaster Paris-Barrels From Martin Tuttle..... 2 Water-Gallons. Coal Received-Pounds Coke Received-Bushels. From Capital City Gas Light Co.....

Paints and Oils.

White lead—pounds	99
Mineral Paint—pounds	45
Red lead—pounds	1,100
Turpentine-gallons	13
Japan dryer—gallons	61
Asphaltum—gallons	6
Linseed oil—gallons	144
Miscellaneous,	
Sheet lead—pounds	2,742
Sheet copper—pounds	7,996
Roofing slate—pieces 10x20 inches	29,189
Porous Terra Cotta, for roofing—sup. feet	16,072
Wood for office cords	7 0703
Iron, bar and rod-pounds	7,676
Steel, for tools—pounds	480 5,386
Nails—pounds	1,7411
Sheet Zinc, for patterns—pounds	1,7414
Terra Cotta Work.	
Terra Cout work.	
Balusters—number of	130
Chimney tops	4
Chimney tops	
Engine Expenses.	
Cotton waste, pounds	571
Engine oil gallons	95
Tallow, pounds	870
Hoisting rope and fixtures.	
Hoisting rope and factores.	
	2.125
Steel wire hoisting rope—feet	1,000
Galvanized iron wire guy rope—feet	3,569
Manilla rope – pounds	24
wire rope sockets—number of	21
Cost of Railroad to Capitol Grounds.	
For taxes on right of way, as per contract	277.68
For rent on right of way, as per contract	340.00
For repairs on track	966.23
	A1 FOR C1
Total	\$1,583.91
- in	DE 701 00
Cost of tools and machinery, and repairs to same	Φ0,731.66
Cost of patterns and models, including labor	2,553.56

Statement of Material used, Exclusive of Stone, Brick and Iron.

17

100

STATEMENT

THE NEW CAPITOL.

Of work done on the Capitol building during the years 1876-7.

OI HOLD ON THE PARTY OF THE PAR		
Dimension Stone cut and set.		
	feet.	in.
In office story, walls and porticoes	189	11
column footings	1.664	5
bond stone	453	0
portico flagging		4
Total in office story		- 7
In second story, walls	50,442	11
interior	6,685	5
bond stone	1,825	1
Total in second story	58,953	5
In third story, walls	15,324	8
cornice and balustrade	16,183	10
portico columns	3,570	0
bond stone	243	11
stylobate wall	240	11
Total in third story	38,559	6
Total dimension stone cut and set	25,195	6
Wrought Iron Work put in place—Pounds. Wrought iron in beams, posts, girders and trusses	1.001	551
Cast iron wall plates.	47.7	719
Total wrought and cast iron set	1,049,2	2741
Roofing - Squares.		
		-
Terra Cotta and slate		135
Copper Work-Pounds.		
In gutters, valleys, and flashings	7,	,996
Brick Masonry.		
Number of brick laid in office story	788.	382
Number of brick laid in second story	1 616	316
Number of brick laid in third story	1,315,	,018
Total brick laid, kiln count		-

Lime in stone setting, bushels	913
Lime in brick masonry, bushels	5,0431
Total bushels lime used	5,9561
Water, gallons	863,217
Coal in blacksmithing, bushels	5578
Coal in engines, shops and offices, bushels	12,863
Total bushels coal	13,4201
Coke in engines, bushels	erot
Coke in engines, bushels	6501
Lumber Used.	
Lumber in templets and straight edges, feet	5,206
Lumber in machinery and tools, feet	3,822
Lumber in derrick cribs, feet	7,973
Lumber in scaffolding, feet	205,245
Lumber in centering, feet	37,478
Lumber in tool-house and sheds, feet	9,634
Lumber in piling and covering hardwood lumber, feet	32,695
Lumber for general purposes	22,969
Total lumber used	325,022
Cement in brick masonry, pounds1	,153,609
Cement in concrete, pounds	220,401
Cement in roofing, pounds	23,404
Total pounds cement used	,397,414
Sand used, bushels	64,718
	- 00
Portland coment in mesoner barrels	
Portland cement in masonry, barrels	28 72

Total barrels Portland cement used.....

19

STATEMENT

Of the Amount of Material Received for Building from Commencement, Excluding the Stone Rejected from Walls.

	yds.	ft.	in.	
Stone for concrete				
Rubble stone	975	17	5	

Dimension Stone.

	ft.	in.
1871 —Limestone	42,876	8
Granite	1,046	5
1872-3—Limestone	81.676	7
Granite		
1874-5—Limestone		1
Sandstone		4
Granite	194	10
1876 7—Limestone		5
Sandstone1		v
Granite		4
Total limestone		9
Total sandstone		4
Total granite		4 7
Total granite	10,407	- (
Total stone	05 440	0
Loss loss on Town Other stone	000,448	8
Less loss on Iowa City stone	980	2
Total	04 400	-
Total3	64,468	6

Brick-Kiln count.

1871	
1874–5	3.012.859
Total	8,826,526

Sand-Bushels.

1874-0		78.427
	Total sand	200 168

Hydraulic Cement-Pounds.

1871	915 660
1872-3	464.788
18/4-0	2112 050
1876-7	000 140
1876-7 Portland cement	46,400
Total cement	

Water-Gallons.

water—Gations.	
1871—1872—3 1874—5 1876—7 1876—7 1876—7	183,480 594,700 [649,818 863,217
Total2	,291,215
Lime—Bushels.	
1872-3	300
1874-5	631½ 5,955½
Total	6,886§
Cast Iron—Pounds.	
1874-5	21,166
1876-7	49,329
Total	70,495
Wrought Iron—Pounds.	
1871	14,4654
1872-3	2,092 206,1504
	,100,427
Total	ALLEGE COS.
	ALLEGE COS.
Total	,329,135
Total	ALLEGE COS.
Total	,329,135
Total	,329,135 147 1 1,156 ₄ 258 ₁
Total	,329,135 147‡ 1,1564 2584 2444
Total	329,135 147‡ 1,156‡ 258‡ 244‡ 1,806
Total	329,135 147‡ 1,156‡ 258‡ 244‡ 1,806 ft. in.
Total	329,135 147‡ 1,156‡ 258‡ 244‡ 1,806 ft. in.
Total	329,135 147‡ 1,156‡ 258‡ 244‡ 1,806 ft. in.
Total	,329,135 147‡ 1,156‡ 258‡ 244‡ 1,806 ft. in. ,300 3
Total	329,135 147‡ 1,156‡ 254‡ 244‡ 1,806 ft. in. ,300 3
Total	,329,135 147‡ 1,156‡ 258‡ 244‡ 1,806 ft. in. ,300 3
Total	1474 1,1564 2584 2444 1,806 ft. in.,300 3

1877.]

Tallow-Pounds.

1871 1872-3	57
1874-5	116
1876-7	874
Total	1,129

Coal.

and a	bu. lbs.
1871	
1872-3	
1874-5,	8,616 70
1876-7	13,420 40
Total coal	0

Sheet Zinc, (Patterns)-Pounds.

Coke, bushels....

1876-7	1,741
Copper,	7,996

State.

29,189 pieces, each 10x20.

Pine Lumber and Timber-Feet.

Terra Cotta Balusters, pieces.....

1871	59,582
1872	30,140
	34,830
1874	43,263 96,303
10/0	131,876
1877	193,146
Total.	589.140

Hard Wood Lumber-Feet.

1876, Oak	47.922
1877, Black Walnut	7,743
1977 White Walnut	80,396
1877 Vellow Pine	50,999
1877, Yellow Pine	161,042
Total	441 973

Nails-Pounds.

1871 1872	225 625
1873	1,125
1875	1,680 2,336
1877	3,050
Total	10,264

Plaster Paris-Barrels.

1876	1
Total	2

TABLE II.

Showing cost of Tools and Machinery, and Repairs to same.

1871\$	7,635.37
1872	1,290.92
1873	426.34
1874	1.004.56
1875	8,450.14
1876	3,196,90
1877	2,534.76
Total \$	24.538.99

Cost of Railroad to Capitol Grounds, including Right-of-Way and Repairs.

1871	7.614.62
1872	1,490.97
1873	1.072.18
1874	939.63
1875	1,520.50
1876	976.53
1877	607.38
Total	14 221 81

Cost of Patterns and Models.

1872	2.00
1873	72.86
1874	303.51
1875	321.15
1876	922.18
1877	1,631.14
m-4-1	3.252.84
Total	3,202.04

Work Done.

	Work Done.
F	excavation17,656 cubic yards
	yds. ft
0	oncrete4,902 2
Ē	Subble masonry 948
^	
	Dimension of Stone Set.
	feet. in
1	n foundation walls124,977
I	n basement walls 50,234
1	n office story walls 89,486
1	n second story walls 58.953
ï	n third story walls
Ī	
	Total stone set
	Brick Work,*
1	n 1871
1	n 1872
1	n 1873 902,16
ń	n 1874
3	n 1875
	n 1876
	n 1877
4	II 10//
	Total brick, kiln count
	Of the Above there was Laid
n	n cistern
í	n cellar 719,85
â	n basement story
ŕ	n office story
i	n second story
i	1,010,51
1	n third story
	Total brick
	Wrought Iron Set.
1	(n 1874, pounds
1	In 1876, pounds
1	In 1877, pounds
	Total
	Cast Iron Set.
1	In 1874–5, pounds
ĺ	In 1876, pounds
-	In 1877, pounds
	11,110
	Total
	Total of wrought and cast iron set, pounds 1,271,849
1	
1	Roofing, squares

^{*}The measurements of Brick, are actual cubic contents, rejecting all constructive measurements—there was too great an allowance made to the cubic foot in the measurement from 1872 to 1875—showing too many brick laid, hence the above will not agree with the amounts reported formerly for those years,

MATERIAL ON HAND.

DIMENSION STONE.

DIMENSION STONE.						_
	CUT.		ROUG	н.	TOTAL	da .
KIND OF STONE.	Feet.	Inches.	Feet.	Inches.	Feet.	Inches.
Limestone	667 4,496	4	728 96 2,178	4 6 4	1,395 96 6,674	8 6 4 0
Ste. Genevieve sandstone	8,391 13,554	6	3,699	_	9,087	6
Brick Sand, bushels Cement (63 sacks), pounds Portland cement, barrels Cast iron, pounds Wrought iron, pounds Porous terra cotta, square feet					1,6	30 16 10
Hard Wood Lumber.						
Oak, feet. Black Walnut, feet White Walnut, feet Cherry, feet Chestnut, feet Ash, feet Yellow Pine, feet Total Pine lumber and timber (estimated), feet					30 50 161	,119 ,958 ,999 ,0 42
CLASSIFICATION BY STOP	IES.					
Setting apart those items which pertain to the	cost o				e build	ling,
Board of Commissioners			4,277.5 4,224.4 4,101.6 1,512.1 14,221.3 24,538.1 791.1	35 12 81 99		
Water pipe and meter Main sewer. Printing and advertising General expenses Accidents			1,272. 2,368. 2,074. 173. 995.	28 50 61 50 85	#100 C	07.09
Cash Repairs to first foundation Expenditures on foundation Expenditures on basement story Expenditures on superstructure.			2,353.	76-	210,8	07.02 055.41 803.28 234.29
Total to November 30, 1877				1	\$1,250,0	00.00

1877.]

STATEMENT

Showing the Number of Days' labor performed on the Capitol Building by men and teams, working by the day, including Foremen, and the wages paid per day from November 29, 1875, to October 27, 1877. Also the Aggregate Number of days including days at the Iowa City quarry, from May 18, 1872, to October 27, 1877. Excluding stone cutting done by the foot.

oremen of stone cutters. oremen of from work, carpentering, pattern making, assistant foremen of stone cutters, and modelers are considered to the consider	5.00 4.50 4.00 8.75 8.50 8.25 3.00 2.75 2.50 2.25 2.00 1.75	627 181 555.75 220.45 2,074.35 456.75 414.15 153.25 2,217.10 1,548.45 1,028.45	748.46 620.95 48.26 407.55 642.50 929.90 1,309.10 941.05 2,152.76 1,212.55
foremen of stone cutters, and modelers oremen of inon work, appendering, and pattern making over memory of laborers, derricks, and stone setting, stone setters tone setters and stone cutters and stone cutters and brick masons. Indeed, and stone cutters and brick masons. Ingineers, stone cutters and blacksmiths masons. Ingineers, riggers, stone and brick masons. Ingineers, riggers, stone and brick masons. Ingineers, riggers, stone and brick masons. Ingineers, riggers, and bricksmiths, derrick foremen and brick masons. Ingineers, riggers, carpenters, blacksmiths, derrick foremen stone cutters and rivoters and rivoters and stone cutters. Indicate the stone of the stone cutters and stone cutters. Indicate the stone of the stone cutters and stone cutters. Indicate the stone of the stone cutters and stone cutters. Indicate the stone of the stone of the stone cutters. Indicate the stone of the stone of the stone cutters. Indicate the stone of the stone of the stone cutters. Indicate the stone of	5.00 4.50 4.00 8.75 8.50 8.25 3.00 2.75 2.50 2.25 2.00 1.75	181 555.75 220.45 2,074.35 456.75 414.15 153.25 2,217.10 1,548.45 1,028.45	620,95 48,20 407,55 642,50 929,90 1,309,10 941,05
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one cutters and brick masons. acksmiths and stone cutters and blacksmiths	3.50 3.25 3.00 2.75 2.50 2.25 2.00 1.75	2,074.35 456.75 414.15 153.25 2,217.10 1,548.45 1,028.45	407.55 642.50 929.90 1,309.10 941.05 2,152.70 1,212.55
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ngineers, stone cutters and blacksmiths— ngineers, riggers, stone cutters and brick masons. ngineers, riggers, stone cutters and rick masons— ngineers, riggers, stone cutters, carpenters, derrick foremen and brick missons— ngineers, riggers, carpenters, blacksmiths, derrick foremen, stone cutters and riveters and stone cutters— aborers— aborer	3.00 2.75 2.50 2.25 2.00 1.75	414,15 153,25 2,217,10 1,548,45 1,028,45	929.90 1,309.10 941.05 2,152.70 1,212.55
ngineers, riggers, stone cutters and brick masons. ngineers, riggers, stone cutters, carpenters, derrick foremen and brick masons. angineers, riggers, carpenters, blacksmiths, derrick foremen, arpenters, blacksmiths, riveters and stone cutters. aborers.	2.75 2.50 2.25 2.00 1.75	153.25 2,217.10 1,548.45 1,028.45	1,309.10 941.05 2,152.70 1,212.55
ngineers, riggers, stone cutters, carpenters, derrick foremen and brick missons. and brick missons. and brick missons. stone cutters and riveters and stone cutters. aborers.	2,50 2,25 2,00 1,75	2,217.10 1,548.45 1,028.45	941.05 2,152.70 1,212.55
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stone cutters and riveters and stone cutters	2,25 2,00 1,75	1,028,45	1,212.55
arpenters, blacksmiths, riveters and stone cutters aborers	2.00	1,028,45	1,212.55
aborers	1.75		
aborers	1 05		858,95
aborers aborers aborers aborers aborers aborers aborers			
aborers aborers aborers	1.60		
aborersaborersaborersaborersaborers	1.50		
aborersaborers	1.40		125.
aborers	1.35		72,50
aborers	1.30		
	1.25		1,567,70
aborers	1.20		2,007110
ater boys	1.00		270.95
ater boys	75	715.75	
ater boys	85	9,50	
wo horse team and driver	2.00	7.75	
wo horse team and driver	9.75		2,50
art, norse and driver	2.50	435,50	26,75
art, norse and driver	9.95		430.75
		141,25	12,60
orse and driver for hoisting brick	1.75		75,25
Totals		29.546.10	25,224,60
otal days, from November 99 1875, to October 97, 1877	1000		1 54 770 70
otal days, from November 29, 1875, to October 27, 1877. otal days, from January 1, 1874, to November 29, 1875	**********	************	54,770.70
otal days, from May 18, 1872, to December 30, 1873			23,225.75
otal days, from May 18, 1872, to October 27, 1877	*****		22,843,72

NUMBER TWO

REPORT OF THE SUPERINTENDENT OF FINANCE.

To the Board of Capitol Commissioners:

I herewith present my report and exhibits of expenditures in detail, for the year 1876, of \$275,000.00, and in 1877 of \$225,000.00, and in the aggregate, from the commencement of the work to November 30, 1877, showing the disbursement of \$1,250,000.00, being the full amount thus far appropriated, also of the receipts for sales of refuse material and old machinery for the year 1876, of \$290.97, Exhibit "C," and for the year 1877, of \$365.54, Exhibit "F."

In my last biennial report, I purposed to permanently disburse the money received from sales, as it came in hand, but exigencies have arisen that made it advisable, in the prosecution of the work, to retain the money as a reserve fund.

The State Treasury has been embarrassed, during the past season, for the want of money, and the warrants of the board on the new capitol building appropriation could not be paid promptly and have had to abide their regular order of payment as the money came into the Treasury.

The purchase of some special material or machinery has often required prompt payment in cash, which we have been enabled to do by eashing the warrant for such purpose and holding it as cash till paid, thus having the means to meet some of the pecuniary emergencies that frequently occurred.

When the State Treasurer was unable to pay the warrants drawn for the monthly pay roll, the workmen on the new capitol building experienced some difficulty in negotiating them, and many had to suffer exorbitant discounts. Payments by the board are restricted by law, to State Auditor's warrants on the State Treasury and whatever may be, their depreciation, it must be borne by the holder of them. Therefore, to avoid the difficulties and heavy discounts in negotiations that would

naturally arise from so many warrants of small amounts being thrown monthly upon the Des Moines market, the workmen that required money proposed to dispose of their warrants at ninety-eight cents on the dollar. Accordingly, for those that desired it, I have had a warrant for their aggregate amount on the pay roll negotiated at that rate, and the money paid them; all others have had their warrants for the full amount due them.

This arrangement of negotiation I consider very favorable to the parties in interest, as it enabled the workmen in the capitol building to have their monthly wages promptly, and also it establishes a market price for state warrants, not only in Des Moines but throughout the state where the state institutions are located, and which require the negotiation of state warrants.

The pay roll for November and December are payable January 1, 1878, at which time the annual appropriation of \$125,000.00 is due.

The accompanying exhibits are in the following order:

- A. Classified statement of the aggregate expenditures in detail, from the commencement of the work to November 30, 1875.
- B. General statement of expenditures from November 30, 1875, to November 30, 1876.
- C. General statement of cash received in the year 1876, and to what class credited.
- D. Classified statement of expenditures in detail, from November 30, 1875, to November 30, 1876.
- E. General statement of expenditures from November 30, 1876, to November 30, 1877.
- F. General statement of cash received in the year 1877, and to what class credited.
- G. Classified statement of expenditures in detail, from November 30, 1876, to November 30, 1877.
- H. Condensed classified statement of the aggregate expenditures from the commencement of the work to November 30, 1877.
- Consolidated classified statement of expenditures and appropriations to November 30, 1877.

All of which is respectfully submitted.

JOHN G. FOOTE, Superintendent of Finance.

[EXHIBIT "A."]

CLASSIFIED STATEMENT

Of the Aggregate Expenditures from the Commencement of the Work to November 30, 1875, and Reported in the Third Biennial Report of the Commissioners.

ON WHAT ACCOUNT.	Amount.
Plans	4.023.71
Excavation and drainage	15,610,99
Stone, limestone and granite	96,801.86
Cistern	1,512.12
Sand.	4,083.04
Expenses and miscellaneous	1,642,35
Salaries	41,069.97
Renairs on first foundation.	52,353.76
Stone-masonry-foundation	14,711.21
Brick-masonry-foundation	7,789.80
Concrete labor	5,333,36
Concrete labor	2,048.15
General labor	807.21
Patterns	699,52
Water	738.67
Rubble-masonry-foundation	4,765.97
Iowa City Quarry	66,871.30
Brick-masonry-basement story	17,100,37
Stone-setting—basement story	6.149 37
Cash	339.34
Stone-cutting-limestone and granite	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
Ste. Genevieve stone	46,215.19
Sandstone cutting	55,166.02
Rubbing stone	6,025.08
A ccidents	173.50
Extra handling stone	797.56
Brick-masony-superstructure	18,445.60
Stone-setting—superstructure	8,462.58
m. i	
Total	\$750,000.00

[EXHIBIT "B."]

GENERAL STATEMENT OF EXPENDITURES

From November 30th, 1875, to November 30th, 1876.

-	- 1	1		
Date of Voucher.	Number of		ON WHAT ACCOUNT.	Amount,
Jan.		B'rd of Commissioners	Per diem and expenses	4
	6 1275	James Hartman	Sand	\$ 201.
	-	Co	Marine	0,1
	6 1280	J. C. Taylor	Datab	1,085.0
	6 1281	James N. Close	Brick	209,4 300,8
	6 1283	R S Finkhine	Calary as aren: tect	300.0
	6 1284	Ham & Carver	Advertising	218.0
	6 1285	Gate City office	Advertising Brick. Cement and cool	20.0
	6 1286	Prancis Geneser	Brick	1,583,8
	6 1288	Ed Wright	Salara and Continuent	1,240.9
	6/1289	Bolton Prothess	and Telegraphing	156.2
	6 1290	C., R. I. & P. R R. Co	Freight on Stone	1,691,4
	6 1292	J. S. Clarkson, P. N.	Per die m & expenses as Sup. of Finance	76.3
	6 1293	St. Genevive Sandstone	r ostage statups	6.0
		and Granita Co.	C	
	7 1294	V. Youngerman	StonePortland cement	6,149.7
	811296	I S Spott	The state of the s	12.5
	8 1287	John G. Foote	The	21.6
				3,752.2
eb.	2 1300	R S Finkbing & Curl	Cotton waste	7.2 21.6
	2.1301	A H Plananand	Jan Overseel	250,00
4	2 1302	lames Hartman	Salary as Architect	300.00
				45.25 155.75
				68.2
- 4	2 1306	J. D. Scott	Salary as Secretary and cash paid Per diem and expenses Sup. of Finance Sand Sand Pay-Roll Sand	40.63
3	8 1307	John G. Foote	Pay-Roll.	42.82
				4,242,52
25	8 1310			141.8
20	9 1311	John P. Irish	Advertising iron work	136.17
20	9 1312	A A Bit	Faxes of 1875 on R. R. right-of-way Advertising iron work Salary as Secretary and wood bought Salary as Architect	12.00 161.68
26	1314	R. S. Finkbine	Salary as Architect	300.00
far. 29	1315	C., R. I. & P. R. R. Co	Salary as Secretary and wood bought Salary as Architect Salary as Overseer Freight on Carroll Co. stone	225,00
mer. 1	1316	Des Moines Coal Co	salary as Aronticets Salary as Overseer Freight on Carroll Co. stone Ooal for January and February Blanks and blank books "Aunts, oils, and marking material," diardware, nails and tools,"	440.00
î	1318	H Word	Blanks and blank books	104,95 49,75
1	1319	Bolton Bros.	Paints, oils, and marking material	16,40
1	1320	I. F. Getchell & Sons	dardware, nails and tools	18,10
1	1322	Carroll Co. Sandstone	Per diem and expenses Sup. of Finance	94.67
				18.00
1	1323		otone	698.90
20	1324 .	ames Hartman S	and	4,415.08
2	1326	at Splitten	astings and shop work and and and and advertising for Iron bears.	47.00 155.72
2	1327	ames D. Scott	and	35,55
8	1328 1	. E. Bartlett	and	44.64
pril 4	1830	owa State Register A	and	50,17
4	1331	ohn G. Foote	divertising for Iron beams	24,10 78,52
	-		er diem and exp. as Supt. of Finance.	49,70

EXHIBIT "B"-CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
April	1332	C., R. I. & P. R. R. Co	Freights for March	\$ 161.6 69.4
	1334	Des Moines Coal Co	Engine coal. Manilla and Steel Wire Rope	32.2
	1335	Gilbert Hubbard & Co	Manilla and Steel Wire Rope	196.4
	1 1336	Bolton Brothers	Iron steel and hardware	153.6 51.3
4	1338	A. H. Piquenard R. S. Finkbine	Iron, steel and hardware	300.0
	4 I 1:0009	R. S. Finkbine	Salary as Overseer and exp. to Unicago	292.9
	1310	stone Co	Stone on contract	431.1
- 1	1341	John G. Foote	Rental on R. R. right-of way	3,603.9 50.0
18	1342	J. C. Taylor	Partial per cent. on brick contract	2,155,8
2	1344	Ste. Genevieve Sand-		2,537.4
May :	1945	stone and Granite Co. Carroll County Sand-		5,177.0
and the contract of the contra	1030	stone Co	Stone	
- 1	1346	Union Foundry Works	Rolled iron beams	6,588.0
	3 1348	Des Moines Coal Co	Fuel	207.9 31.9
1	1349	C. A. Ryden Martin Tuttle	Carrying express and mail	9.1
3	1350 1251	C. J. Hammer	Fuel Carrying express and mail. One barrel plaster of Paris. Hauling railroad ties and drayage	6.5
	1352	C. J. Hammer		31.5
	1353	J. D. Seeberger C. R. I. & P. R. R. Co Hallack, Holmes & Co	Paints, oils, brushes, etc	119.1 53.6
	1355	C., R. I. & P. R. R. Co	Freights on stone and iron	,122,5
- 1	1356	Hallack, Holmes & Co.,	Brick and mortar elevator	78.7 400.0
	1357	J. Y. Macomb Bolton Brothers	Iron, nails and hardware, tools	65.4
1	1359	Francis Geneser	Brick	479.2
3	1360	A. H. Piquenard	Per diem and expenses Sunt of Finance	300.0
	1362	R. S. Finkbine	Salary as Overseer and exp. to quarry	307.2
	1363	Ed Wright	Salary as Secretary and exp. to quarry	209.7 174.0
- 1	1364	John G. Foote	Brick Salary as architect. Per diem and expenses Supt. of Finance Salary as Overseer and exp. to quarry Per diem and expenses. Pay roll for April Lime Brick Portico flagging Fron beans. Salary as Secretary and express charges Coil rope	8,508.2
.1	1366	S. A. Robertson	Lime	15.8 252.7
1	1367	James Cash	Portico flagging	. 375,3
June 7	1369	Union Foundry Works.	Iron beams	6,992,4
	1370	R. S. Finkbine	Salary as Overseer	281,5 200,5
1	1872	J. D. Seeberger	Coil rope	66,0
	1372	Hawk-Eve Printing Co.	Advertising	12.5
-	1374	U. S. Express Co	Steel and iron wire rope	354.4
	11276	Ham & Carver	Advertising	20.0
	1377	J. M. Hedrick & Co	Advertising	300,0
1	1379	A. H. Piquenard J. K. & W. H. Gilcrest Hiram Robinson	Lumber and timber	97,5
1	1380	Hiram Robinson Des Moines Water Co	Pipe, couplings, steam gauge, etc	10,6
	1382	L. Fisher	Tallow for engine	9,0
- 1	3 1282	James N. Close	Lumber and timber	223.7 70.3
	3 1384 3 1385	Chicago Lumber Co	Wire rope sockets	54.0
	3 1386	Alex. Robertson	Wire rope sockets	49.9
	1887	Des Moines Coal Co	Lumber and timber	572.6 1.938.1
	911389	Bolton Brothers		60.1
1	1390	Samuel Green	Cast wall plates, etc	294.9 22.5
1	1391	John G. Foote	Per diem and expenses Supt, Finance	36,4
	1393	John G. Foote C., R. I. & P. R. R. Co Carroll County Sand-	Freight bills for May	8,957.5
	1394	stone Co	Stone	1,712.9
	1395	Ste. Genevieve Sand-		
	1	stone and Granite Co.	Stone	2,855.5 10.5

EXHIBIT "B."-CONTINUED.

June 6 1387 Ste. Genevieve Sand 1389 St. A. Robertson 1380 Stone & Granite Co. Pay roll for May 12,848.52 1460.67 1460		_				
	Date of Voucher.	Number				mount.
1885 Stone & Granite Co. Stone Pay roll for May. \$1.288.30		1397	Ste. Genevieve S	and-		1 4
16 1601 Board of Ornamission*: Stone. 2,000.00	7	1298	John G. Frante (lo,	Stone	10
16 1601 Board of Ornamission*: Stone. 2,000.00	14	1399	S. A. Robertson	******	Pay roll for May	972.03
16 1601 Board of Ornamission*: Stone. 2,000.00	15	1400	Ste. Genevieve S.	and-	Brick on contract	406.07
200 1002 Edwin Wommission'rs Per diem and expenses	16	1401	stone & Granite C	·0	Stone	200101
July 10 1403 R. S. Finkblne. Lemont stone for corridor. 1604 U. S. Express Co. 20,00	30	1402	Edwin Walker	n'rs	Per diem and expenses	2,000.00
10 140 1.5 Express Co.	July 10	1403	R. S. Finkbine	******	Salary as corridor	1.886.97
10 1400 Ed. W. Piquenard Salary as architect. 25.00 10 100 Ed. W. Piquenard Salary as Secretary and telegraphing 205.10 10 100 1	10	1404	U.S. Express Co	******	Freight on bolts.	308.10
10 1407 Samuel Green	10	1406	Ed Wright	****	Salary as architect	2.50
10 1408 Eagle Iron Works Shop work on some plates 70,000 10 1410 Dep & Turner Wrought Iron plates 70,000 10 1411 Dep & Turner Wrought Iron plates 70,000 10 1412 D. Holmes Water Co. Water for June 25,000 10 1413 National File Wrose Manilla rope and steel 12,254 10 1414 J. K. & W. H. Glierist Shop work on steel 12,254 10 1415 Bolton Bros Iron, prand timber 25,125 10 1416 Carroll County Sand Iron Freight bills 50,877,61 10 1418 Stee Genevelve Sand Stone & Granite Co. Stone Stone & Granite Co. Stone	10 1	1407	Samuel Green	******	Cast wall plottery and telegraphing	205.10
10 1410 Gruert Hubbard & Co. Galvanized wire rope 96,06	10 1	400	Eagle Iron Works	*****	Shop work on iron plates	. 392.52
10 1411 Des Moines Water Co.	10 1	410	Frupe & Turner	· · ·	Galvanized wire rope	70.00
10 1412 J. D. Seeberger Manilla rops and seel 11123 1514 151	10 1	411	Des Moines Water C	0.	Water for Iron plates	2.50
111.25 1	10 1	412	. D. Seeberger		Manilla rope and steel	52.54
10 1415 Bolton Fros Lumber and timber 24.51 10 1416 C.R. I. & P. R. R. Co. String 1417 Carroll County Sand 1418 Stone Co. Stone 150 1418 Stone Co. Stone 150 1419 Stone Co. Stone 150 1429 John G. Foothel Co. Stone 150 1429 John G. Foothel Co. Stone 150 1429 John G. Foothel Co. Stone 160 1429 John G. Foothel Co. Stone 160 1429 John G. Foothel Co. Stone 160 1429 John G. Foothel & Stone 160 John G. Foothel & Stone 160 John G. Foothel & John G. Foothel & Stone 160 John G. Foothel & John G. Foothel & Stone 160 John G. Foothel & Stone 160 John G. Foothel & John G. Foothel & Stone 160 John G. Foothel & John G. Foothel & Stone 160 John G. Foothel & John G. Foothel	10 1	414	K & W H Cul-	S 1	Re-cutting files	111,25
10 1416 C., R. I & P. R. R. Co. Freight billis 6,827.61 10 1417 Carroll County Sand 5 5 5 6 10 1418 Sames N. Close Stone Stone Stone 1,316.10 10 1418 Sames N. Close Stone Stone 301.95 10 1429 John G. Freight billis 5 5 5 10 1429 John G. Freight billis 5 5 5 11 1422 Des Moines Coal Co. Coal, lime and cement 4,191.02 11 1422 Des Moines Coal Co. Coal, lime and cement 4,191.02 11 1422 Des Moines Coal Co. Coal, lime and cement 4,191.02 11 1423 John G. Stein Stein 5 5 5 12 14 14 1 1 1 1 13 14 1 1 1 1 1 14 1 1 1 1 1 1 14 1 1 1 1 1 14 1 1 1 1 1 14 1 1 1 1 1 14 1 1 1 1	10 1	415 I	Bolton Bros	56 J	Lumber and timber	24.54
Stone	10 1	416 (., R. I & P. R. R. Co.	I	reight hills	91.74
10 1418 James N. Close	10,1	211	stone County Sa	nd-		6,827.61
10 1410 Ste. Genevelve Sand 50 1410 50 1421 50 1421 50 1421 50 1421 50 1421 50 50 50 50 50 50 50 5	10 1	118 J	ames N. Close	····· 5	Sione	1.816.10
10 1421 School & Granite Co. Stone	10 14	119 8	te, Genevelve Sar	id-	311CK	301,96
10 121 Jown School Furniture Per diem and exp. as Supt. of Finance. 55.59	10 14	(20 J	stone & Granite Co.	8	tone	
1 1422 S. A. Robertson	10 14	21 1	wa School Englity	P	er diem and exp. as Supt. of Finance	55.50
1 122 De. A. Robertson Brick 4910.02 11 1422 De. Mones Coal Co. Coal, lime and cement 4910.02 11 1422 De. Mones Coal Co. Coal, lime and cement 4910.02 11 1425 De. Mones Coal Co. Lumber and timber 212.22 11 1425 Brooks, Wilson & Stein 18, 170.42 12 1427 C. Taylor Shop work on steel pins 19, 100 1427 J. C. Taylor Shop work on steel pins 19, 100 1429 James N. Close Brick 199, 100 1420 Des Moines Water Co. Water furnished 199, 100 1420 Des Moines Water Co. Water furnished 17, 42 1421 James Cas C. Youngerman Portland cement 17, 42 1422 James N. Close Shop work on steel pins 11, 42 1423 James Mines Market furnished 17, 42 1424 J. Des Moines Water Co. C. Finglinering 50, 24 1425 James Cas C. Limber and timber 4, 40 1426 J. R. Seiberger 7 1427 James Cas 14, 40 1428 J. D. Seeberger 7 1429 James Cas 14, 40 1429 James Cas 14, 40 1429 James Cas 14, 40 1420 James Cas 14, 40 1421 John G. Foote & Son 14, 40 1422 James Cas 14, 40 1423 James Cas 14, 40 1424 J. D. Seeberger 7 1425 James Cas 7 1426 J. R. P. R. R. Co. 16, 1452 J. K. Gllerges 14, 40 1446 J. R. H. P. Geton 7 1427 James Cas 7 1428 James Cas 7 1429 James Cas 7 1429 James Cas 7 1429 James Cas 7 1420 James Cas 7 1421 James Cas 7 1421 James Cas 7 1422 James Cas 7 1423 James Cas 7 1424 James Cas 7 1425 James Cas 7 1426 J. R. H. P. Geton 7 1427 James Cas 7 1429 James Cas 7 1429 James Cas 7 1420 James Cas 7 1421 James Cas 7 1421 James Cas 7 1422 James Cas 7 1424 James Cas 7 1224 James	11/14	00 0	Co	T	urning rollows	00.00
	11 14	23 D	A. Robertson	B	rick	21.25
111423	11 14	24 H	F. Getchell & Sons	C	oal, lime and cement	4,191.02
1437 1437	11/14:	25 Je	hn G. Foote	P	av roll	212.92
Aug. 1142 James N. Close Brick 199,10 683,9 1142 10 10 10 10 10 10 10 1	27 143	27 J	C. Taylor & Stel	n. 81	hop work on steel nins	16,170.54
1430 Des Moines Water (O. Water furnished 17.42 1440 Leg Leg Leg Leg Leg Leg Leg 1441 Leg Leg Leg Leg Leg Leg Leg Leg 1442 Leg Leg Leg Leg Leg Leg Leg Leg Leg 1443 Leg Leg Leg Leg Leg Leg Leg Leg Leg 1444 Leg Leg Leg Leg Leg Leg Leg Leg Leg 1445 Leg Leg Leg Leg Leg Leg Leg Leg Leg 1446 Leg Leg Leg Leg Leg Leg Leg Leg 1447 Leg Leg Leg Leg Leg Leg Leg Leg 1446 Leg Leg Leg Leg Leg Leg Leg 1447 Leg Leg Leg Leg Leg Leg Leg 1448 Leg Leg Leg Leg Leg Leg Leg 1449 Leg Leg Leg Leg Leg Leg Leg 1440 Leg Leg Leg Leg Leg Leg Leg 1441 Leg Leg Leg Leg Leg Leg Leg 1442 Leg Leg Leg Leg Leg Leg Leg 1444 Leg Leg Leg Leg Leg Leg Leg 1445 Leg Leg Leg Leg Leg Leg Leg 1446 Leg Leg Leg Leg Leg Leg Leg 1446 Leg Leg Leg Leg Leg Leg Leg Leg 1447 Leg Leg Leg Leg Leg Leg Leg 1448 Leg Leg Leg Leg Leg Leg Leg Leg 1449 Leg Leg Leg Leg Leg Leg Leg Leg 1440 Leg Leg Leg Leg Leg Leg Leg Leg 1441 Leg Leg Leg Leg Leg Leg Leg Leg 1442 Leg Leg Leg Leg Leg Leg Leg Leg 1444 Leg Leg Leg Leg Leg Leg Leg Leg Leg 1445 Leg Leg Leg Leg Leg Leg Leg Leg Leg 1446 Leg 1446 Leg	31 142	8 Ja	mes N. Close	B	rick	3.50
1481	Aug. 1 142	19 De	s Moines Water Co	W	Ster furnished	688,91
1432 James Cars. Nails, hardware and tools 50.24 1434 J. D. Seeberger Lower Co. 1434 J. D. Seeberger Lower Co. 1435 J. D. Seeberger Co. 1436 Gibert Hubbard & Co. 1437 K. S. Finkbine Salary and expenses paid 203.50 1438 K. S. Finkbine Salary and expenses to St. Louis 35.25 1439 Fr. F. Fuquenard Salary and expenses to St. Louis 35.25 1430 Gibert Hubbard & Co. 1430 Fr. F. Fuquenard Salary and expenses to St. Louis 35.25 1431 John G. Foote & Son Lumber and timber Salary as architect 300.00 1432 Chiego Lumber Co. Lumber and timber Solary and expenses to St. Louis 35.25 1445 Chiego Lumber Co. Lumber and timber Solary and expenses to St. Louis 35.25 1446 Carroll Coanty Sand Salary and expenses to St. Louis 35.25 1446 Carroll Coanty Sand Salary and expenses to St. Louis 35.25 1446 Carroll Coanty Sand Salary and expenses to St. Louis 35.25 1446 Carroll Coanty Sand Salary and expenses to St. Louis 35.25 1447 Carroll Coanty Sand Salary and expenses to St. Louis 35.25 1448 Daion Foundry Works J.	1 148	I Be	Youngerman	Po	ortland cement	17.42
1483 Chicago Lumber Co. Lumber and dimber. 5.7,5 1484 L. D. Seeberger Packing and imber. 5.7,5 1485 Chicago Lumber Co. Lumber Co. 5.8,0 1486 Chicago Lumber & Co. 1486 Chicago Lumber Co. 1487 Chicago Lumber Co. 1488 A. H. Piquenard 5.8 1489 Chicago Lumber Co. Lumber Co. Lumber and dimbers Supt. of Finance. 55,70 1480 Lilon G. Foote Per diem and expenses to St. Louis 50,00,00 1481 Lilon Co. Lumber Co. Lumber and dimbers Supt. of Finance. 55,70 1482 Lilon Co. Lumber Co. Lumber and dimbers Supt. of Finance. 10,11 1483 Lilon Co. Lumber Co. Lumber and dimbers Supt. of Finance. 1,13,73,44 1484 Lilon Co. Lumber Co. Lumber and dimbers Supt. of Finance. 1,13,73,44 1485 Lilon Co. Lumber Co. Lumber and dimbers Supt. of Finance. 1,13,73,44 1486 Lilon Co. Lumber Co. Lumber and dimbers Supt. of Finance. 1,13,73,44 1487 Lilon Co. Lumber Co. Lumber Co. 1,13,73,44 1488 Lilon Co. Lumber Co. Lumber Co. 1,13,73,44 1489 Lilon Co. Lumber Co. Lumber Co. 1,13,73,44 1489 Lilon Co. Lumber Co. 1,13,73,44 1480 Lilon Co. Lumber Co. 1,13,73,44 1481 Lilon Co. Lumber Co. 1,13,73,44 1482 Lilon Co. Lumber Co. 1,13,73,44 1483 Lilon Co. Lumber Co. 1,13,73,44 1484 Lilon Co. 1,13,74 1485 Lilon Co. 1,13,74 1485 Lilon Co. 1,13,74 1486 Lilon Co. 1,13,74 1486 Lilon Co. 1,13,74 1487 Lilon Co. 1,13,74 1488	1 143	2 Ja	mes Carss	··· Ni	ails, hardware and tools	54.90
1485 P.4 N Fight Salary as secretary and expenses paid S. 85 1486 P.4 N Fight Salary as secretary and expenses paid S. 85 1487 R. 8 Flancis Geneser Salary as architect	1 143	3 Ch	icago Lumber Co	Lu	imber and timber	4.00
1436 Gilbert Hubbart & Co. 1437 R. S. Finkbling & Co. 1438 A. H. Piquenard Salary and expenses to St. Louis 333.25 334.25 33	1 143	5 E	Wright	Pa	icking	87.75
1436 R. S. Pinkbine Salary and expenses to St. Louis 352.25 1436 Francis Geneser Brick Salary as architect 300.00 1437 H. F. Getchell & Son Lumber and timber Silary Salary as architect Son Son	1 143	6 G1	bert Hubbard & Co.	Sa	lary as Secretary and expenses paid	908.50
1489 Fr. 4 quenard Salary as architect 363.25 1480 Fr. 6 quenard Salary as architect 363.25 1481 John G. Foote & Son Lumber and timber 403.25 1482 Little Carroll County Sands 403.25 1483 Union Foundry Work 403.25 1484 Carroll County Sands 403.25 1485 Little Carroll County Sands 403.25 1485 John G. G. Son 403.25 1487 C. H. Wardship 403.25 1488 Stone & Ganite Co. 503.25 1489 C., R. I. & P. R. R. Co. 503.25 1489 C., R. I. & P. R. R. Co. 503.25 1489 Stone & Granite Co. 503.25 1	1 148	7 R.	S. Finkbine	Sa	lary and expenses to St. T.	31.10
1440 H. F. Getchell & Son	1 1439	9 Fr	n. Piquenard	Sa	lary as architect	353,25
1441 John G. Foote	1 144	H.	F. Getchell & Son	" En	ick	881.17
2 1445 Union F Lumber Co. Lumber and timber. 55.70 2 1445 Union F Lumber Co. Lumber and timber. 19.11 3 1445 Carroll Carroll	2 144	Jol	in G. Foote	Pe	r diem and ave	420.20
1442 1445	2 1448	Un	ion Founday Wash	. Lu	mber and timber of Finance	55.70
Stone Co	2 1444	Car	roll County Sand	SWI	rought iron beams	1 714 98
1445	2 1445	T)e	one Co	Sto	one	***************************************
2 1447 C. H. Ward Pay roll 145.20 145.20 146.	2 1446	Joi	in G. Foote	. Lin	ne, cement and coal	1,373,44
2,486 James Cash	2 1447	C. 1	J. Ward	Pay	roll	413,20 10 620 28
1450 Sto. Garr. R. R. Co. Freight bills 1,582.80 3,121.37 161.451 St. A. Robertsnite Co. Brick 2,460.63 2,707.71 161.452 J. R. Gileress Brick 2,707.77 161.453 (Oberne, McDaneld & D. Lumber 2,702.77 161.453 (Oberne, McDaneld & D. Lumber 2,702.77 161.453 (Oberne, McDaneld & D. Lumber 2,702.77 161.457 (C. J. Hammer 11,104 11	8 1449	Jan	les Cash	Por	tico flagging	25,00
Stone & Granite Co Stone Stone 2,450,68 16 145 S. A. Robertson Brick 2,250,68 16 145 Oberne, McDancid & Co. Island 1,10 16 145 Oberne, McDancid & Co. Island 1,10 16 145 C. J. Hammer Tallow 1,10 17 145 K. & D. M. Ry, Co. Preight and drayage 11,10 17 145 K. & D. M. Ry, Co. Models, stationery and postage 160,65 18 145 Board of Commission Freight on stone 1,10,21 18 145 Board of Commission Freight on stone 1,10,21 19 145 St. Genevieve Sand 1,10,21 27 145 St. Genevieve Sand 1,10,21 28 Stone & Granite Co. 1,10,22 29 Stone 1,10,22 20 Stone 1,10,22 20 Stone 1,10,22 20 Stone 1,10,22 20 Stone 2,26,68 20 20,87,7 21 22,78,77 22 23,87,7 23 24,87 24 25 26,87 25 26,87 26 27 27 27 27 27 27 28 27 28 28 27 29 29 27 20 20 20 20 27 20 20 27 20 20 20 20 27	3 1450	Ste.	Genevieva Sond	Fre	ight bills	1,582.80
1455 J. A. Robertson Brick 2,450.63 1455 J. K. Gilerest 2,758.77 161 G. Gerne, McDaneld & Co 7,758.77 162 G. J. Hammer 11,10 163 G. J. Hammer 11,10 164 G. K. J. Plauenard 11,10 17 1466 K. J. Plauenard 11,00 17 1467 K. J. R. J. R. C. 14,00 18 1458 Board of composition in Section 120,00 18 1458 Board of composition 1,119.21 27 1459 K. Geneview 1,119.21 28 29 20 20 20 29 20 20 20 20 20 20 20 20 20	10 1451	St	one & Granite Co	Sto	ne .	0,121.87
16 1439 Oberne, McDaneld & CO Tallow 2,788.77 16 1456 C. J. Hammer Freight and drayage 11.10 16 1456 A. H. Piquenard Models, stationery and postage 11.90 17 1456 K. & D. M. Ry, CO Freight on stone and from 120.60 18 1458 Board of Commission 'rs Per diem and expenses 109.85 27 1459 St. Genevieve Sandstone & Granite CO Stone 5200.22 28 29 20 20 20 20 29 20 20 20 20 20 20 20	16 1452	J. K	. Robertson	Bric	Sk	2,450.63
16 145 f. J. Hammer Co. Fright and drayage 11.10 16 1455 A. H. Plqued Fright and drayage 11.10 17 1466 K. & D. M. Ry O	16 1458	Obe	rne. McDanold to	Lun	nber	2,788.77
11.66 A. H. Fiquenard Model's and drayage 11.60 11.6	16 1454	C. J.	Hammer	Fre	ght and de	11 10
17 1457 C., R. I. & P. R. Co. Freight on stone and postage 160.65 18 1458 Board of Commission 'rs Per diem and expenses 120.60 27 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 28 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 29 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 30 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 30 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 40 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve Sandstone & Granite Co. Stone 500.00 50 1469 St. Genevieve	17 1456	A. F	Piquenard	Mod	lels stationery and	11.90
18 1488 Board of Commission is Ferights on stone and Iron	17 1457	C., E	I & P R P	Frei	ght on stone	160.65
stone & Granite Co Stone	18 1458	Boar	d of Commission re	Per	ghts on stone and Iron	120.00
5 300 30	27 (1409)	ste.	Genevieve Sand-	- 04	arem and expenses	109.95
	1	-	aranite Co	Ston	le	200 99

EXHIBIT "B"-CONTINUED.

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an Date of Voucher.	1	1		
pe	40			
ne	Tumber of Voucher.			3
20	le de	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	8
0	1100	22. 11 20000 22.7000	ON HARRY MODELLES	10
at	55			Amount
A_	14			
Aug. 3	1 1480	W. R. Stimson	Mail and express carrier	\$ 6.15
3	1 1401	C., R. 1 & P. R. R. Co	Paints oil and benebas	741.72 78.20
3	1 1465	Chicago Lumber Co	Lumber and timber	90,40
3	1 146	Des Moines post-office	Mail and express carrier Freight on stone and iron Paints, oil and brushes Lumber and timber Stamped envelopes and postage Coli rope Stamped on velopes and postage Salary as architect. Salary as architect.	33,29
3	1 1463	J. D. Seeberger	Coll rope	37.65
3	1,1466	K. & D. M. R'y Co	Freight on stone	210.00 280.00
3	1 1489	R. S. FIRKUIDE	Salary as overseer	300,00
3	1 1468	Ed Wright	Salary as overseer. Salary as architect. Salary as Secretary and expenses paid. Lowering pipe and water. Lumber and timber. Tools, nails and hardware. Wrought fron beans, &c. Oak lumber.	208,05
3	1 1470	Des Moines Water Co	Lowering pipe and water	53,27 262,19
sept.	1 147	H. F. Getchell & Sons	Lumber and timber	262,19
	1 1472	Bolton Bros	Tools, nails and hardware	108,98 11,809.94
	1 147	I K Gilcrost	Oak lumber	256,10
	1 1473	Carroll County Sand-	Our rousestandinament	
	-	stone Co	Stone	1,790,37
	2 1476	S. A. Robertson	Brick Brick Coal, cement and lime	1,405,50
	2 1477	F. Geneser	Brick	2,036,92 1,088,80
	2 1477	John G Forte	Pay-roll	15,235,46
	2 148	John G. Foote	Pay-roll Per diem and expenses, Supt. Finance	54.70
1	8 148	K. & D. M. R'y Co	Freight on stone	120,00
2	7 148	Ste. Genevieve Sand-		= nnn nn
	0 140	stone and Granite Co.	Stone	5,998,00 285,00
et.	9 148	Ed Wright	Salary as Sacretary and expenses	201.50
	3 1485	R. S. Finkbine	Salary as overseer	300,00
	3 148	A. H. Piquenard	Salary as architect	300,00
	3 1487	C. Youngerman	Portland cement	19.50
	3 1489	Iowa State Register	Stone Freights on stone Salary as Secretary and expenses. Salary as overseer Salary as architect. Portland cement Advertising and letter heads. Though the stone of the stone	25,00 952,75
	3 1480	Oberne McDaneld & Co.	Tallow	15,00
	3 149	Illinois Stone Co	Limestone for corridor	1,356,96
	3 1495	Des Moines Water Co	Water for September	24,58
	3 149	Bolton Bros	Nails, hardware and tools	59,89
	9 149	Grane & Turner	Naiis, naraware and tools. Lumber. Wrought iron plates. Iron and rope. Freight bills. Brick. Oak lumber. Rrick.	131.06 1.80
	3 149	J. D. Seeberger	Iron and rope	60,20
	3 149	C., R. I. & P. R. R. Co	Freight bills	2,139.27
	4 149	F. Geneser	Brick	1,837.07
	4 149	J. K. Gilcrest	Oak lumber	241,34
	4 150	Union Foundry Works	Brick Wrought Iron work	1,362,96 6,060,98
	4 150	John G. Foote	Per diem and exp. as Supt. Finance	56,70
	4 150	Carroll County Sand-		
		Stone Co	Brick Wrought iron work Per diem and exp. as Supf. Finance Stone Pay-roll for September	2,059.14
	0 150	Ste. Genevieve Sand-	Pay-roll for September	11,274.10
	0 100	stone and Granite Co.	Stone	3.182.48
1	10 150	K & D M R'v Co	Freight on stone	105.00
1	7 150	A. H. Swan	Freight on stone Rental on right of way Per diem and expenses	240.00
	23 - 150	Board of Commission'rs	Per diem and expenses	131.45
		Edwin Walker		
- 1	24 151	Ste. Genevieve Sand-	попоне жоне	1,021.01
	-	atomound Chamita Ca	Gland	3,783,12
Nov.	1 151	2 A. H. Piquenard	Salary as architect	300.00
	1 151	Ed Wright	Solider as architect Salary as Secretary Per diem and expenses, Supt. Finance. Brushes, shellac &c Iron Lumber and timber Lumber and timber	200,00
	1 151	C H Ward	Brushes shelled &c	54,20 32,30
	1 151	J. D. Seeberger	Iron	4.40
	1 151	Chicago Lumber Co	Lumber and timber	45.23
	2 151	8 Bolton Bros	Iron, nails and hardware Freight bills for October Frieght bills for October	41.21
	2 151	9 C., R. I. & P. R. R. Co	Freight bills for October	468.92
	2 152	B. & D. M. R'y Co	Frieght bills for October	330,00
	2 159	Des Moines Water Co	Salary as overseer and expenses	357,50 20,55
	2 152	3 H. F. Getchell & Sons	Lumber and timber	90,74

EXHIBIT "B."-CONTINUED.

Date of		Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.		Amount.
Nov.	2	1525	J. K. Gilcrest Union Foundry Works Carroll County Sand-	Oak lumber	8	299.14 1,001.83
Dec.	2 2 2 2 2 2 2 3 1 1 1	1527 1528 1529 1530 1531 1532 1533 1534 1535 1536	stone Co. S. A. Robertson F. Geneser John G. Foote Des Moines Coal Co K. & D. M. R. y Co R. S. Finkbine Brooks, Wilson & Stein McDonald & Mears National File Co Ed Wright	Stone Brick Brick Pay-roll Coal, cement, and lime. Freight bills Saiary and expenses to Springfield. Slop work on tools Repairing boiler. Repairing boiler.		2,455,94 3,187,04 2,413,89 6,124,15 561,30 105,00 326 00 30,50 7,51 5,15 204,60
	111111111111111111111111111111111111111	538 539 540 541	John G. Foote. A. H. Piquenard. John G. Foote. C., R. J. & P. R. R. Co. Ste. Genevieve Sand-	Freight paid and cotton wasteFreight paid and cotton wasteFreight sale paid and cotton wasteFreight sale payrollFreight sillisFreight sale payment on stone contract		119.60 36.45 300.00 636.00 157.50

[EXHIBIT "C."]

GENERAL STATEMENT

Of Cash Received in 1876, and to what Class Credited.

ARTICLES SOLD.	TO WHAT CLASS CREDITED.	Amount
Spawls and stone sold. Spawls and stone sold. Stone sold. Limestone sold. Strick bats sold. Jid railroad ties sold.	Ste. Genevieve sandstone	\$ 110.99 55.60 13.20 103.13 7.10 .95
Amount previously reported		\$ 290.97 339,34

[EXHIBIT "D."]

CLASSIFIED STATEMENT

Of Expenditures from November 30, 1875, to November 30, 1876.

ON WHAT ACCOUNT.	Amount.
Plans	
Stone, limestone and granite	9,530.88
Sand	365.64
Expenses and miscellaneous	199.26
Salaries	11,528.2
Concrete, labor	528.88
Printing and advertising	194.85
General labor	396.57
Patterns	922.18 185.23
Water Cash from material sold	290.9
Stone-cutting, limestone and granite	10,636.2
Railroad	976.5
Lumber and timber	4,274.2
Wrought iron work	39,598.7
Carpenter work	1,986.1
Cement	5,642,9
Board of Commissioners, per diem and expenses	926.8
Fuel.	999.4
Machinery and tools	3,196,9
Nails and hardware	108.3
Water pipe and meter	28.8
Brick	27.533.8
Iron and steel	26.0
Cast iron work	967.8
Lime	
Carroll county stone	24,320.8
Ste. Genevieve stone	
Sandstone cutting	42,227.6
Rubbing stone	5,907.0
Extra handling stone	582.1
Brick-masonry, superstructure	17,843.3
Stone-setting, superstructure	10,392.4
Paints and oils	158.9
	275,013.2
Iowa City stone sold and charged to cash	13.2
Total expenditures in 1876	\$275,000.0

EXHIBIT "E,"

GENERAL STATEMENT OF EXPENDITURES.

From November 30, 1876, to November 30, 1877.

-				
Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1877.		Ste. Genevieve Sand-		
	-	stone & Granite Co	Stone	\$ 5,123,5
-	2 1544	Francis Geneser	Brick	1,256,€
	2 1545	M. S. Piquenard, Exc	Salary, of architect and models	940.6
	2 1540	Board of Commission is	Per diem and expenses	8.2
				201.1
	2 1549	Chicago Lumber Co	Mast for derrick Wrought iron work Carrying express and mall Lumber and timber	80.0
	2 1550	Eagle Iron Works	Wrought iron work	6.8
	2 1559	H F Getchell & Sons	Lumber and timber	74.6
				34.2
	2 1554	C. H. Ward	Oils and marking material	4.7
	2 1555	Cortor Hussey & Curl	Tools, nails and zineStationery and blank-books	94.5 36.2
	2 1557	Hiram Robinson	Engine repairs and water pipe,	40.3
			Fuel and cement	376.8
	2 1300	Corroll County Sand-	Stone	2,084.4
	2 1560	K. & D. M. R'y Co	Freight on stone	15.0
	2 1561	Christ Huser	Sand	36.4 26.1
	2 1569	S A Robertson	Sand Brick	5,010,6
	2 1564	Pat, Sullivan	Sand	22.8
	2 1565	Ste. Genevieve Sand-		200
	0 1000	stone & Granite Co	Stone, partial payment on account	462.0
	2 1567	C. R. I. & P. R. R. Co	Freight and switching	120.7
	2 1568	John G. Foote	Per diem and expenses, Supt. finance	29.4
	2 1569	James Hartman	Sand Salary as overseer	32.4 275.0
	3 1571	S A Robertson	Ralance on brick	10.0
	3 1572	John G. Foote	Balance on brick Pay-roll Wrought iron, final settlement Freight on Carroll county stone	15,778.
1	12 1578	Union Foundry Works	Wrought iron, final settlement	3,409.
Feb.	0 1574	Rolton Brothers	Zinc and hardware	45.6 61.
eu.	6 1576	Harbach & Jackson	Hardwood lumber	916.
	6 1577	J. K. Gilcrest	Hardwood lumber	139.0
	6 1578	Ed Wright	Salary as secretary and expenses	203 1
	6 158	G. W. Logan	Salary as overseer	64,6
	6 158	Bell & Hackney	Salary as architects	250,0
	6 1082	Pat. Sumvan	Sand	60,1 5 7
	6 1586	H. F. Getchell & Sons	Re-cutting files	183.5
	6 158	Des Moines Coal Co	Coal Taxes on railroad lots	71.1
	6 1586	Treasurer Polk County	Taxes on railroad lots	141.
	6 1589	Martin Tüttle	Sand Plaster Paris	83.4
	6 1588	P. E. Bartlett	Sand	62.
	6 1590	James Hartman	Sand	68.1
	6 1591	Samuel Greene	Castings for derrick	9.0
	7 1592	Carroll County Sand-	Freight on Carroll county stone	60.0
	7 1594	C R I A P R R Co	Fraight bills	763.5 36.7
	7 1595	John G. Foote	Per diem and expenses, Supt. finance Freight on Carroll county stone	41.5
2	1 1596	K. & D. M. R'y Co	Freight on Carroll county stone	120.0

EXHIBIT " E "-CONTINUED.

	-			
Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1877. Feb. 2	8 1597	G. W. Logan	Sand	\$ 24,46
2	1598	Pat. Sullivan	Sand Sand Advertising Clinton Herald. Salary as architects. Salary as overseer. Salary as Overseer. Salary as Overseer. Sary as Socretary and expenses. Sand	31,39
2	3 1599	Christ, Huser	Sand	22.57 10.00
2	S 1601	Rell & Hackney	Salary as architects	250,00
2	8 1902	R. S. Finkbine	Salary as overseer	300.00
2	8 1603	Ed Wright	Salary as Secretary and expenses	200.80
2	8 1605	John G. Foote	Per diem and exp. Supt. Finance	34,60
2	8 1606	James Hartman Ste. Genevieve Sand-	Sand	18.18
2	8 1607	Ste. Genevieve Sand-	Stone	772,41
2	8 1608	John G. Foote	Pay-roll	9,662.23
2	8 1609	Des Moines Coal Co	Coal	28,45 177,27
2	8 1611	Hill & Tetley	Valves and brass castings	23.10
2	8 1612	Union Foundry Works	Wrought iron beams	961.85
2	8 1613	Carroll County Sand-	Stone Stone Lumber Lumber Lumber Lumber Lumber Lumber Lumber Stone Stone Lumber Lumber Lumber Store Store Store Lumber Lumber Store Per diem and expenses	646.47
Mar.	1 1614	H. F. Getchell & Sons	Lumber, timber	132,67
Ditter.	2 1615	Harbach & Jackson	Lumber	1,367.96
0	2 1616	Chicago Lumber Co	Lumber	197.72 859.86
2	1 1618	Hawk Eve Pub, Co	Advertising	12,00
2	1 1619	Hiram Robinson	Engine repairs, gas fitting	5.45
2	1 162)	Gilbert Hubbard & Co.	Sheaves	315,00 13,81
2	1 1622	Ste. Genevieve Sand-	Show version and the same of t	20,00
	. 1000	stone & Granite Co	Stone, retained per centage	1,037.46
2	1 1623	Board of Commission'rs	Per diem and expenses	310.78 1,202.17
April	3 1625	C. H. Ward	Oil, paints, &c	15.65
	3 1626	John G. Foote	Per diem and exp. Supt. of Finance	42,40 27,51
	8 1628	lowa State Leader	Per diem and expenses Brick, per centage. Oil, paints, &c Per diem and exp. Supt. of Finance. Iron, hardware and tools. Advertising. Cement and coal. Advertising. Salary as Secretary and expenses. Tailow. Salary as Architects. Lumber. Lumber. Freights on stone. Freights and switching. Lumber. Lumber. Rent on right of way for railway.	14.00
	3 1629	Des Moines Coal Co	Cement and coal	198.50
	3 1630	lowa State Register	Salary as Secretary and expenses	15.50 202.10
	3 1632	Parks & Sons	Tallow	15.00
	3 1633	Beil & Hackney	Salary as Architects	250,00
	3 1634	I K Glicrest	Lumber	270.00 327.85
	3 1636	K. & D. M. Hailway Co.	Freights on stone	165.00
	3 1637	C. R. L & P. R. R. Co	Freights and switching	593.00
	3 1639	J. K., & W. H. Gilcrest.	Lumber	30,08
	3 1640	W. S. Dart	Rent on right of way for railway	50.00
	8 1641	Carroll County Sand- stone Co	Stone on contract	3,406,83
				1.587.27
	4 1643	John G. Foote	Pay-roll County Stone	5,864.75
1	5 1645	John G. Foote K. & D. M. Railway Co. K. & D. M. Railway Co. Ste. Genevieve Sand-	Pay-rollFreight on Carroll County Stone Freight on Carroll County Stone	195,00 120,00
May	1 1646	ste. Genevieve Sand-		
	2 1847	Ed Wright	Stone	3,275.70 204.70
	2 1648	R. S. Finkbine	Salary as Overseer	300,00
	2 1649	Bolton Bros	Tools, iron, hardware	43,80
	2 1651	W. R. Stimson	Carrying mail and express,	250,00 6,00
	2 1652 2 1653	J. D. Seeberger	Sione. Salary as Secretary and expenses Salary as Overseer Tools, iron, hardware. Salary as Architects Carrying mail and express Wheelbarrows and rope	103.05
	0 100	Co	Turning rollers Per diem and exp. Supt. of Finance	7,00
	2 1654	Carroll County Sand	Per diem and exp. Supt. of Finance	42,20
		stone Co	Stone	2,023 50
	2 1656	J. K., & W. H. Gilcrest	Lumber Carroll County Stone	8.71
	2 1658	Ph. W. Schneider	Stone	105,00 2,145.00
				756.53

1877.]

EXHIBIT "E,"-CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
May.	1660	C., R. I. & P. R. R. Co	Freight and switching	907.4
	1661	H. F. Getchell & Sons	Freight and switching Lumber Lumber Lumber Pay-Roil. Cement and coal Polished grante. Freights on stone. Freights on stone. Manilla rope. Per diem and expenses. Making computations Lumber Lumber Limestone.	812.4 403.0
3	1662	J. K. Glichrest	Lumber	96.4
-	1664	John G. Foote	Pay-Roll	96.4 6,427.8 588.5
3	1665	Des Moines Coal Co	Polished granite.	588,5 2,145,0
i	1667	Keokuk & D. M. R'y Co	Freights on stone	120.0
2	11668	Reokuk & D. M. R'y Co	Polished Granite	270,0 2,145.0
June:	1670	J. D. Seeberger	Manilla rope	118,3
	1671	B'rd of Commissioners	Per diem and expenses	145.5 50.0
-	1673	J. K. & W. H. Gilcrest	Lumber	220,1
3	1674	Illinois Stone Co	Limestone	120.6
	1670	St. Genevive Sandstone	Stone	3,644.1
9	1676	H Channon & Co	Stone	192,6 408,9
1	1677	C I Hammer	Freight and drayage	408.9 3.3
	1679	Bell & Hackney	Freight and drayage. Salary as Architect. Salary as Secretary and expenses Salary as Overseer and expenses. Lumber. Cast Iron work. Iron, nails, tools. Engine repaired Harder Turnished Pay- Koll	250.0
	1680	HeDonnell & Mears	Salary as Secretary and expenses	201.0
9	1682	R. S. Finkbine	Salary as Overseer and expenses	334.4
3	1683	H. F. Getchell & Sons,	Lumber	430.5
	1685	Bolton Brothers	Iron, nails, tools	26.4 55.3
3	1686	Hiram Robinson	Engine repairs	10.3
- 1	1688	K. & D. M. R'v Co	Freight on stone	43.4 540.0
	1689	John G. Foote	Pay Roll. Cement, lime and coal. Per diem and expenses, Sup. of Finance Advertising.	11,111.8
	1690	John G. Foote	Per diem and expenses Sup of Finance	919.3
	1692	Hawk-Eye Printing Co	Advertising	42,4 12,0 17,5
	1693	Carter Hussey & Carl	Advertising Stationery and P. O. Scales. Packer Ratchet. Lumber Lumber Lumber Preight bills. Freight bills. Freight bills.	17.5 15.2
. 6	1695	C. L. Rice & Co	Packer Ratchet	23,0
	1696	J. K. Gilcrest	Lumber	2,265.8
	1698	Harbach & Jackson	Lumber	350.8 1,515.1
	1699	C., R. I. & P. R. R. Co	Freight bills	1,071.0
	1700	Carroll Co. Sandstone	Freight Dills	105.0
	-	Co	Stone	5,480.6
	1702	Ph. W. Schneider	Polished Granite	170.9 1,709.5
- 1	1704	S. A. Robertson	Brick	158.6
	1705	C R I & P R R Co	Ties spikes and repairs of treak	40.0 187.2 2,168.3
	1707	Emanuel Haugh	Ceiling beams	2.168.3
July 3	1708	B'rd of Commissioners	Per diem and expenses	55.5
July ;	1710	J. K. Gilcrest	Lumber	178,2 629,2
1	1711	Chicago Lumber Co	Lumber	324.4
- 1	1713	Chicago Lumber Co	Stone Freight bills. Freight bills. Folished Granite. Ashcraft Injector Ashcraft Injector Les spikes, and repairs of track Ceiling beams Per diem and expenses. Per diem and expenses. Lumber Lumber Lumber Lumber	814.9 185.4
- 3	1714	C., R. I. & P. R R. Co	Freight bills	621.8
	1715	H. F. Getchell & Son	Lumber	845.0
1	1717	Bell & Hackney	Salary as Architects	720.1 250.0
-	1718	R. S. Finkbine	Salary as Overseer	250.0
- 1	1720	Des Moines Water Co	Water in June.	209.2 24.3
1	1721	J. D. Seeberger	Lumber Lumber Freight bills. Freight bills. Lumbet Salary as Architects. Salary as Oversee. Salary as Oversee. Salary as Oversee. Malary as Secretary and expenses. Hose and couplings.	46.6
- 3	44.00	Carroll Co. Sandstone	Stone on contract	1,871.1
. 1	1723	Bolton Brothers	Iron, hardware, lead, etc.	1,871.1

EXHIBIT "E"-CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
July 3	1725	John G. Foote.	Per diem and expenses Supt. of Finance \$	39,83 323,50
5	1727	John G. Foote	Idme and coal	8,739,44
5	1728	U. S. Express Co	Charges on sample of slate	5,25 52,65
19	1729	Harbach & Jackson	Lumber	1,223,98
				300.00
31	1732	Des Moines Post Office. Ed Wright,	Stamped envelopes	33.26
31	117334	Roll & Hackney	Salary as Architects	250.0
31	1735	C., R. I. & P. R. R. Co W. R. Stimson	Repairs on capitol track	242.07
- 31	11/3/	Uniids Berg & Kasack	Turning rollers	15.50
31	1738	Comparet & Stark	Copper	3.17
31	1740	Frederick Hass	Lead for hashing	191.14
31	1741	H. Robinson	Limestone	188,78 17,2 262,9
31	1742	C. H. Ward Francis Geneser	Brick on contract	1,226,1
31	1744	Des Moines Water Co	Water Lumber	22.2
31	1745	H. F. Getchell & Son	Lumber	263,2
		Ste. Genevieve Sand-	Stone on contract	3,529,9
91	1747	stone and Granite Co.	Stone on contract	1,192,2
31	1848	John G. Foote	Per dlem and exp. as Supt. of Finance	45.6
31	1749	K. & D. M. R. R. Co	Freight on stone	240.0 11.0
31	1751	Bolton Brothers	Iron, tools and hardware	173.2
31	1752	Brooks, Wilson & Stein	Stone on contract. Per diem and exp. as Supt. of Finance. Freight on stone. Advertising Iron, tools and hardware Engine and derrick repairs. Tailow. Coal, Ilme and cement.	345.70 14.50
31	1754	J. K. & W. H. Gilcrest.	Lumber	12.5
lug. 1	1755	Des Moines Coal Co	Coal, lime and cement	907.6
4	1 40 Com	The second second of the secon		2,228.0 23.0
î	1758	Chicago Lumber Co	Advertising Lumber Lumber Preights Pay-roll Freights Pay-roll Freights Pay-roll Freights Pay-roll Preights Pay-roll Prei	660,3
1	1759	J. K. Gilcrest	Lumber.	406.5 685.7
1	1761	John G. Foote	Pay-roll	8,677.5
1	1762	K. & D. M. R. R. Co	Freights	105.0
11	1763	Edwin Walker	Limestone	1,181.8
17	1765	K. & D. M. Rallway Co.	Freight on stone	180,0
29	1766	H. Chaunon & Co	Steel wire hoisting rope	88.9 49.7
lept. 4	1768	American Wire Nail Co	Limestone Freight on stone Steel when he had been been been been been been been bee	49.7
4	1769	Huron Bay Slate and Iron Co	Roofing slate	678.0
4	1770	Union Foundry Works.	I beams	79,7
4	1771	Samuel Green	Cast iron work	165.6
4	1773	Francis Geneser	T beams Cast iron work Photographs of building Brick	1,080.0
				2,087.1
4	1775	C. H. Ward	Paints, oils and brushes One Ashcraft injector	36.1 35.0
4	1777	Bolton Brothers	Tools, iron and hardware	104,0
4	1778	C. Youngerman	Portland cement	494,0
- 4	1780	R. S. Finkbine	One Ashcraft Injector Tools, iron and hardware Portland cement U. S. Iron. Salary as Overseer Salary as Secretary and expenses. Salary as Architects Freight Oils. Freight on stone	300.0
- 4	1781	Ed Wright.	Salary as Secretary and expenses	203,1
4	1782	Bell & Hackney	Salary as Architects	250.0 944.9
3	1784	H. F. Getchell & Sons	Lumber	378.5
	1785	K. & D. M. Railway Co.	Freight on stone	225.0
4	1787	John G. Foote	Lumber Per dlem and expenses as Supt. Finance Water for August Pay roll	1,167.6
4	1788	Des Moines Water Co	Water for August	24.7
-5	1789	John G. Foote	Pay roll	8,871.6

EXHIBIT "E."-CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount,
1877. Sept. 6	1700	Frad Horn		
6 6	1791	Chicago Lumber Co	Copper for gutters. Lumber. Cement, fuel and lime. Balusters. Wrought iron work.	\$ 1,800.0
6	1792	Des Moines Coal Co	Cement fuel and lime	788,6
7	1793	Chicago T. Cotta Work	s Balusters	702.86
10	1794	Emanuel Haugh	Bailisters Wrought iron work Wrought iron work	507.50
13	1795	Emanuel Haugh	Wrought iron work	1,963,07
				157.85
10	1700	Laure Manne Cl. 14	and expenses	45,00
		Fire Clay Co	Porous terra cotta	-
24	1799	John Worthy & Bro	Porous terra cotta Limestone Salary as overseer	822.67
Oct. 2	1800	R. S. Finkbine	Limestone Salary as overseer. Salary as architects. Salary as acretary, and expenses. Envelopes and stamps. Tools, iron and nails. Lumber Lumber Cement, lime and coal Per diem and expenses supt. Finance.	124,14 300 00
9	1802	Bell & Hackney	Salary as architects	250.00
2	1803	Doe Moines Post Off	. Salary as secretary, and expenses	201.10
2	1804	Rolton & Bros	Envelopes and stamps	14.80
2	1805	H. F. Getchell & Sons	Lorobos	81.18
2	1806	J. K. & W. H. Gilcrest.	Lumber	184,62
2	1807	Des Moines Coal Co	Cement, lime and coal	183.53
2	1808	John G. Foote	Per diem and expenses supt. Finance	496.40 50.35
9	1810	Crangle Co	Freight on stone	30,33
8	1811	John G. Foote	Brick	1,256,60
3	1812	I. Channon & Co	Wire beletter	7,609,96
8	1813	Des Moines Water Co	Water	68,50
3	1814	Smanuel Haugh	Wrought iron work	18.29
4	1815	., R. I. & P. R. R. Co	Freight bills	2,061.35
9	1010	owa Terra Cotta Co	Porous terra cotta	805.92 572,55
9 1	1818	anital City Con Co	Coment, line and coal Coment, line and coal Coment, line and coal Coment on tone Freign on stone Freign on stone Freign on stone Freign on stone Wire hoisting rope Water Water Wrought iron work Freight bills Freight bills Drayage Ten tons coke	9.10
23 1	1819	owa Terra Cotta Co	Ten tons coke	62,50
24 1	1820 (arter, Hussey & Curl	Ten tons coles. Porous terra colta. Tracing cloid and books. Repairs on Capitol track Freights Roofing slate. Roof russes and iron. Water furnished. Limestone.	720.92
30 3	1821 (., R. I. & P. R. R. Co	Repairs on Capitol track	30.50
20 1	822 (., R. I. & P. R. R. Co	Freights	12.55
30 1	824 1	manual Hangh	Roofing slate	659.00 164.54
30 1	825 1	es Moines Water Co	Roof trusses and iron	2,664.82
30 1	826 J	Worthy & Bro	Limestone	18,52
30 1	827 (berne, McDaneld & Co	Tallow	216.72
30 1	828 I	ell & Hackney	Salary as architects	13.30
30/1	890 1	olten & Dane	Limestone	250,00 280,00
30 1	881 1	d Wright	Tools, nails and hardware	83,70
30 1	832 J	ohn G. Foote	Per diem secretary and expenses	204.95
31 1	833 I	rederick Hass	Copper work	50.85
31 1	834 I	es Molnes Coal Co	Cement, lime and coal	1,108.61
ov. 31 1	1 600 T	F Cotableser	Brick	788,65
11	837 1	ohn G. Foote	Lumber	370,46 43,17
11	838 J	K. & W. H. Gilerest	Selary as overseer. Tools, nails and hardware. Salary as secretary und expenses. Fer diem and exp. Supt. of Finance. Order work. Corney. Corne	6,046,02
7 1	839 C	G. Hipwell	Laying slate on seed	94.56
26 1	840 I	. & D. M. R'y Co	Freights on stone	156,75
20 1	041 (nicago Terra Cotta Co	Four chimney tons	585.00
26 1	843 C	R I & P P P	Cement and lime	40.00
26 1	844 C	& L. Harbach	Cement and lime. Coal and repairs of R. R. track Matting. Wrought Iron work and engine repairs Ooke. Per diem and exp. Supt, of Finance alary as overseer.	34.40 32.61
26 18	845 N	cDonnell & Mears	Wronght In-	54.00
26 18	846 C	ap. City Gas Light Co	Coke Coke	87.17
27. 18	547 J	ohn G. Foote	Per diem and eve Sport - C Pi	16.50
27 18	548 R	S. Finkbine	Per diem and exp. Supt. of Finance	51.80
27 18	250 E	Wright	Salary as architects and assistant	300,00
27 18	51 B	rooks Wilson & Co.	Salary as secretary, and expenses	285.00 203.67
27 18	52 D	es Moines Coal Co	Posticiand repairs on engine, &c	100.40
	1000	Coar Co 1	rartial payment on Cement	150.00

EXHIBIT "F."

General Statement of Cash received in 1877, and to what Class credited.

ARTICLES SOLD,	TO WHAT CLASS CREDITED.	A3	COUNT
Stone and spawls sold. Stone and spawls sold. Stone and spawls sold. Overcharge, frieght on rope Overcharge, frieght on rope Tree tops sold. Overcharge on repuirs refunded. Use of Derrick labor. Sand sold. Lumber cuttings sold. Cumpt barrels sold. Coment barrels sold.	Carroll County sandstone Ste. Genevieve sandstone Linesione \$ \begin{array}{c} array		158.06 64.77 61.86 18.36 7.25 8.25 4.50 1.00 73 5.00 35.08
	Amount previously reported	1	365,54 630,31
	On hand	-	995.8

EXHIBIT "G."

Classified Statement of Expenditures from November 30, 1876, to November 30, 1877

ON WHAT ACCOUNT.	AMOUNT
Plans	8 27.1
Stone, limestone and granite	12,856.3
Sand	
Expenses and miscellaneous	
Salaries	
Printing and advertising	
Peneral labor	
atterns	
Vater	159.7
ash	365,5
stone cutting, limestone and granite	
Railroad	607.3
umber and timber	21,548.1
Vrought iron work	20,290,6
arpenter work	1,979,9
Pement	3,522,2
Board of Commissioners	1.033.3
uel	993.6
Machinery and tools	
Nails and hardware	
Water pipe and meter	25.6
water pipe and meter	
Brick	14,079.2
ron and steel	73.0
ast-iron work	331,0
Ame	1,673 8
arroll county stone	25,497.4
ste, Genevieve stone	15,971.6
andstone cutting	37,062,8
Lubbing stone	4,066,0
Extra handling stone	624.5
Brick-masonry, superstructure	12,209,0
tone-setting, superstructure.	
aints and oils	
Roofing and guttering	8,073,3
Towns actts would	583.8
Terra cotta work	989.8
Total	ACRE

EXHIBIT "H."

Condensed Classified Statement of the aggregate Expenditures from the commencement of the work to November 30th, 1877.

ON WHAT ACCOUNT.		AMOUNT.
Plans		\$ 4.101.65
Excavation and drainage		15,610,99
Cistern		1,512.12
Sand	*******	5,058.70
General expenses	******************	2,074.61
Colorias		64,224.42
Salaries		52,353.76
Concrete labor		5.862.24
Printing and Advertising		
		2,368.50
General labor		1,698.44
Patterns and Models		3,252.84
Water		1,083.64
Cash		995.85
Railroad		14,221.81
Lumber and timber		31,837.50
Wrought iron-work		73,199.53
Carpenter-work		9,913.19
Cement		36,538.46
Board of Commissioners		14,277.58
Fuel		4,254.72
Machinery and tools		24,538.99
Nails and hardware		866.98
Nails and hardware		791.95
Iron and steel		441.46
Cast iron-work		2,053.69
Lime		2,912 09
Accidents		173,50
Paints and oils		267.45
Roofing and guttering		8,073,33
Terra-Cotta work		583.89
Brick, including brick inspector	\$ 92,059.71	
Brick-masonry on foundation	7,789.80	
Brick-masonry on basement	17,100.37	
Brick-masonry on superstructure	48,498,02	165,447.90
Limestone and granite, including stone for concrete	119,189,04	***************************************
Iowa City quarry, being cost of Iowa City stone	66,858.10	
Ste. Genevive sandstone	113,767.79	
Carroll County sandstone	79,574.08	- 379,389.01
Lamestone and granite outting	114,156.39	010,000.01
Sandstone cutting	134,456.47	***************************************
Rubbing limestone and sandstone	15,998.21	
Extra handling stone	2,004.26	- 266,615,33
Stone-masonry on foundation	14,711,21	
Rubble-masonry on foundation	4,765.97	***************************************
Stone-setting on basement	6.149.37	
Stone-setting on superstructure	27,777.33	59 409 00
	A STATE OF THE PARTY OF THE PAR	- 53,403.88
Total expenditures to Nov. 30, 1877		\$1,250,000,00
		41,200,000.00

EXHIBIT "I."

Consolidated classified statement of Expenditures and Appropriations, from the com-mencement to November 30, 1877.

	Classified statement of the segregate expenditures from the commencement of the work to Nov. 30, 1875, and reported in the third blennial report of the Commissioners.	of the Nov. 876.	Nov.	Classified statement of the aggregate expenditures from the commencement of the work to Nov. 30, 1877.
	PER SE	lassified statement of expenditures from 30, 1875, to Nov. 30, 1876	0 15	0 = 38
	Tiggs d	#87	#81	Tun.
	rt tope	97.0g	Scree	io de la
	statement e expend c expend report to Nov. 3 report o report o	B	statement tures from o Nov. 30, 12	BAHA
CLASSIFICATION OF ACCOUNTS.	od to be	osset	oseste	the te
CLASSIFICATION OF ACCOUNTS.	3 945 O	252	THE P	3 24
	S - O O - S	252	550	000
•	Pres tree	o'c'd	ed 6,	2 E E
	ne pe	86 II	187	Pare
	P C C C C C C C C C C C C C C C C C C C	ss xp	xy X	588
	digregat from the of the wo and repo biennial Commiss	Classified expendi 30, 1875, t	cxpendi 80, 1876, 1	Cla
lans	8 4,023,71	\$ 50.80	8 27.14	\$ 4,101.6
Excavation and drainage	15,610.99	0 500 00	************	15,610.9
tone, limestone and granite	96,801,86 1,512,12	9,530.85	12,856.33	119,189,0 1,512,1
and	4,083,04	365,64	610.02	5,058.7
and	1,642.35	199.26	233.00	2.074.6
alaries tepairs on first foundation	41.069.97	11.528.25	11.626,20	64,224.4 52,353.7
depairs on first foundation	52,353,76	**************	************	52,353.7
tone-masonry, foundation	14,711 21		***************************************	14,711.2 7,789.8 5,862.2
Brick-masonry, foundation	7,789,80 5,333,36	500 00	***************************************	7,789.8
oncrete labor	2,048,15	194.85	125.50	2,368.5
leneral labor	807.21	396.57	125.50 494.66	1,698,4
eneral labor	699.52	922,18	1,631.14	3,252,8
Votor	738 67	185,22	159.75	1,083.6
Rubble-masonry, foundation	4,765.97	***************************************	************	4,765.9
owa City quarry	66,871,30 17,100,37		***************************************	66,858,1 17,100,8
Brick-masonry, basement story	6,149.87	******		6,149.8
		290,97	365,54	995.8
tone-cutting, limestone and granite	88.576,64	10,636.23	14,943,52	114,156,3
Callroad	.1 12,087.90	976.53	607.38	14,221.8
umber and timber	6,015.15	4,274.24 39,598.71	21,548.11	31,887.5
Vrought iron work	13,810.16	1,986.12	20,290.66 1,979.91	78,199,5 9,913,1
Arpenter work	5,947.16 27,373,31 12,317.37 2,261.63	5,642,95	3,522.20	36,538,4
Board of Commissioners	12,317.37	926.86	1,033,35	14,277,5
cuel	2,261.63	999.43	993.66	4,251,7
Machinery and tools	18.807.33	3,196.90	2,534.76	24,533.9
Nails and hardware	643.91	108,32 28,85	114.75	866.1 791.5
Brick	737.44 50,446.61	27,533.83	25.66 14.079.27	92,059,7
ron and steel	342.31	26.08	73,07	441.4
Cast-iron work	754,77	967,88	331,04	2,053,6
.ime	. 334.86	903,43	1,678,80	2,912.0
Carroll county stone	. 29,755.85	24,320,80	25,497,43	79,574.0
ste. Genevieve stone	46,215,19	51,580.92	15,971.68	113,767.
Randstone cutting	55,166,02 6,025,08	42,227,64 5,907,07	37,062,81 4,066,06	184,456.4 15,998.2
Accidents	178.50		3,000.00	173.8
Extra handling stone Brick-masonry, superstructure	797.56	582.18	624.52	2,004.5
Brick-masonry, superstructure	. 18,445,60	17.843.34	12,209.08	48,498.0
stone-setting, superstructure	8,462.58	10,392,47	8,922.28	27,777.1
Stone-setting, superstructure Paints and oils Roofing and guttering		158.95	108.50	
Cerra cotta work	***************************************	***************************************	8,073,33 583,89	8,073.3
COLOR COURSE III OF ACTION AND ADMINISTRATION AND A	1	-		
		275,013,20		***************************************
owa City stone sold, charged to "cash."		*15,20		
owa City stone sold, charged to "cash." Total expenditures	\$ 750,000,00	\$275,000.00	\$225,000.00	\$1,250,000.0

Chapter 110, Laws of the Thirteenth General Assembly, General Laws of the Fourteenth General Assembly, being \$120,-000, for the year 1872, and \$125,00 for each of the years, 1873, 1874, 1876, 1876 and 1877.
Chapter 68, Local Laws of the Fifteenth General Assembly, being \$75,000 for the year 1874, and \$50,000 for the year 1875.
Chapter 181, Laws of the Sixteenth General Assembly, being \$150,000 for the year 1876, and \$100,000 for the year 1877. 725,000,00

125,000.00 250,000.00

Total appropriations to December 31st, 1877.......\$1,250,000.00

NUMBER THREE.

ARCHITECTS' REPORT.

ARCHITFCTS' OFFICE, DES MOINES, IOWA, Nov. 28th, 1877.

To the Honorable Board of New Capitol Commissioners:

Gentlemen:—In presenting this, our first general report, we deem it advisable to go back to the close of your last biennial report, although the work done during the year 1876 was under the direction of your late architect, Mr. A. H. Piquenard.

Upon our appointment as Architects of your New Capitol Building, it became our first duty to inspect and thoroughly understand the drawings, not only of the parts already executed, but also of the parts of the work yet to be done to complete the building as designed and estimated. After having carefully done this and reviewed the work executed under the direction of Mr. Piquenard, we feel it but due to him to refer herein to his great ability and skill as an Architect; to his fine taste and judgment in designing in general, and his ability in the selection and use of good and lasting materials, which we are convinced will be more fully appreciated as time reveals the fact.

Since the close of your last Biennial Report the work has progressed in a most satisfactory manner, the system employed by your Overseer of Construction, being one of rigid economy and discipline among the men employed, has resulted not only in gaining more work for a given amount of outlay, but has also been found to be more profitable to the men themselves. This system we found inaugurated, with an efficient corps of workmen, at the time of our appointment as your architects, and we have been so fully satisfied with its workings that we have not deemed it advisable to recommend a single change. The work thus far executed, when compared with that of other buildings of a similar character, is the cheapest and best we have ever seen.

At the close of the work done during the year 1875, the exterior walls were all finished to the top of the first story, except one pavilion

and a portion of the north wall. Since then these walls have been completed, the walls of the south wing finished and the roof put on, while the walls of the north, east and west wings have been finished to the top of the second story, and the floor beams and other iron work put in place for the third or gallery story. To accomplish this end a large force of men have been employed in cutting the stone, setting them, laying brick, putting up the iron work, and doing other work necessary in connection with the same, a detailed statement of which will be found fully set forth in the report of the Overseer of Construction.

The Ste. Genevieve and Carroll County, (Missouri) sandstone which you have selected and used in the construction of the superstructure of the building have proved most satisfactory, the combination of color in the two stones producing a very pleasing effect.

The contractors for furnishing materials for the different branches of work, have in most cases been prompt in the delivery of their work, and complied strictly with their contracts.

The action of your Board in substituting polished granite columns in the rotunda, on the House and Senate floor, for the limestone, we deem a most wise decision, as there is nothing more fitting or which would produce a more consistent and pleasing effect. Sustaining as they do a very great weight, they have not only the appearance of solidity of design, but are of the greatest possible use, and the extra cost entailed by them is small compared with the superiority of the work.

The reinforcement of the columns in the corridors which assist in the general support of the dome have been made, and the proper support for a stone dome, if it should be deemed advisable by the legislature to construct the dome of stone, secured beyond a doubt.

In regard to the roofing materials employed on your new capitol, we would say that there is nothing at the present time known to be better. The trusses and framing complete are made of iron, covered with porous terra cotta, and on this is laid the slate firmly bedded in cement mortar, making a solid mass impervious to the elements, not a particle of wood or inflammable material of any description being used in its construction.

The gutters, valleys, flashings and down sponts have all been made of heavy copper, and the counter flashings of sheet lead, proper allowance in all cases having been made for the proper expansion and contraction of the metals, so that the roof should last without repairing

for a century or more. It is an established fact that two of the most important features of a building designed to last for many years are a good foundation and a good roof, and while we have already referred to the other branches of the work, we desire to call your especial attention to these two features and say that we believe you have been extremely fortunate in the selection of your materials and the class of work obtained.

During the next two years we should be able to do much more work than has been done during the same length of time in the past, in order that the building may be enclosed and protected from the weather as soon as possible, and so dried out that the interior work may be commenced.

During the first year we would recommend the following work to be done:

The walls of the north, east and west wings should be completed and the roof put on; at the same time the stylobate of the dome should be carried up and the roof put on over the space between the main walls of the dome and the main roof; the doors and windows throughout the whole building should be closed, and the brick arches for the floors and ceiling in the south wing should be laid.

A boiler house for the reception of the steam boilers and heating apparatus should be built and the boilers and pipes be put in place for use in the drying out of the building, and the supplying of steam for machinery for wood working, hoisting, &c. The plumbing and gas fitting pipes should also be put in place. Machinery should be placed in the basement story for the working out of the wood finish, and much of this work done next winter.

But should it be deemed advisable by the legislature not to appropriate money enough to accomplish all of this work, the walls, at least, should be carried up and the roof put on to enclose and protect the building from the weather. Our estimate to accomplish this is \$200,000.00.

During the second year the north, east and west wings will be enclosed, the brick arches for the floors and ceilings laid, the plastering and much of the wood work done, and the steam heating, gas fitting and plumbing completed.

We also desire to call your special attention to the importance of finishing, with the rest of the work, the grand dome and the turrets of the pavilions. It is difficult to realize the extra expense that will necessarily be incurred if these important features of the building are

left to be completed after the interior of the main building is completed. Besides the inconvenience to the different offices of State, the marble tiling would either have to be removed or would be destroyed, as would also all of the plastering and finish upon the interior of the parts being completed. The same scaffolding at the present time used in the construction of the work can be employed to complete the same, while in the future they would all have to be provided and constructed anew. The temporary roof which would have to be built if these features are omitted, would be saved to the State, and the money employed in their construction put into the permanent structure. There are many other reasons why these features should be constructed in company with the other parts of the work which might be mentioned, and which are easily foreseen. We believe it our duty as the architects of your new capitol building, to call your attention to these things, as we believe them to be for the best interests of the State of Iowa, that the whole work contemplated should be completed in its regular order. In our experience upon other buildings of this class, we have found this to be all important.

The materials used in the construction of these parts should be of the most durable kind, not only that it may properly correspond with the other portions of the building, but because of their elevated positions and the difficulty of repairing an inferior material. It is our opinion that these portions of the building should be constructed of stone same as that already employed in the main superstructure, as this would be much the most economical and satisfactory in the end.

Very respectfully submitted,

BELL & HACKNEY, Architects.

NUMBER FOUR.

REPORT OF THE ARCHITECTS ON THE COST OF CONSTRUCTING MAIN DOME AND TURRETS.

ARCHITECT'S OFFICE, DES MOINES, IOWA, NOV. 28, 1877.

To the Hon. Board of New Capitol Commissioners:

Gentlemen:—In accordance with your instructions, we have prepared the drawings required to give full and complete interpretations of the design for the dome and pavilion turrets, and we hereby submit the following report, in company with the illustrative drawings, and details for your consideration.

The construction contemplated by our drawings, as submitted, is for a stone dome and stylobate, with brick backing; the stone to be the same as that already employed in the construction of the super-structure of the main building, using the buff or cream colored Ste. Genevieve for the main body, and the light blue Carroll county stone for the trimmings, which we consider the most appropriate.

The tholus, or bell of the dome, as contemplated, will be of iron framing for the main supports, and sheathed with porous terra cotta and covered with two and one-half pound copper or slate laid in cement on the exterior. The lantern, or cupola, will also be of iron framing and copper covering, with wrought iron flag-staff, covered with copper. The interior finish will be a combination cast and wrought iron support for the peristyle columns of the inner dome above, with brick arches for the support of the floors. The peristyle columns will be of light cast iron, including the pedestal, with a light cast and wrought iron railing between the same. The inside dome proper will be made of light wrought iron ribs and cross bars for the reception of the glass. The concave ceiling above the interior dome will be also of light wrought iron framing and wire lath for plastering, and all sustained by wrought iron rods attached to the main ribs forming the tholus of the dome proper. The general interior finish will be in cinder plastering of good and strong body, finishing in white, pure

plaster of Paris, and properly ornamented. The frieze of the main interior cornice will be nine feet in height, for the representation in oil colors of the history of the State from the time of its earliest settlement down to the present time. The concave surface above the opening in the inner dome is designed to receive an allegorical painting in oil colors also, to be viewed from the different stories below through the opening of the inner dome.

Our estimate for the completion of the dome, as represented by the plans and as described above, is as follows:

STONE WORK

Stone cutting	$\begin{array}{c} 8,775.77\\ 3,115.68\\ 30,120.35\\ 4,150.00\\ 520.00\\ 3,000.00 - \$145,185.97\\ 1,152.00\\ 67,359.10\\ 20,647.64\\ 41,796.35\\ 25,952.00\\ 4,420.64\\ 25,000.00\\ 20,000.00\\ 0.000.00.00\end{array}$
Commissioners and Architects Total	\$391,389.60

In the construction of an iron dome and stylobate, the same outline and form would be given to each, as that executed in stone, the different parts being cast to imitate, perfectly, stone construction, and anchored to the brick backing, sufficient in thickness to carry the principal weights to the same heights as designed in stone. For this iron construction, our estimate is as follows:

Stylobate, 185,919 pounds, at 5 cents	9,805.99
Porticos, 290 880 pounds, at 6 cents	17,452.80
First story walls, 277,280 pounds, at 6 cents	16,636.80
Balustrade, 52,960 pounds, at 7 cents	3,707.20
Second story, 174,760 pounds, at 7 cents	12,133.20
Attic, 51,360 pounds, at 8 cents	99 010 40
Flooring, 381,840 pounds, at 6 cents	22,010,10

Total......\$86,752.19

[No. 23.

1877.1

ARCHITECTS' REPORT.

49

The stone, which, in the iron dome construction would be replaced by iron, as previously estimated, would be as follows:

Stone	\$143,337.97
Iron	86,752.19
Difference	\$36,585.78

Thus in the employment of iron construction for the dome and stylobate, there would only be a saving of \$36,585.78.

We have also prepared the design and details of the turrets upon the four pavilions, which, in accordance with the same executed in stone, we have estimated as follows:

Cost of stone delivered\$	4,339.32
Cutting	2,431.00
Handling	607.75
Rubbing	227.99
Setting	1,095.50
Brick work	2,577.60
Iron	1,678.50
Copper	3,612.50
Sheathing	430.00
Windows	250.00
Scaffolding and centering	200.00
	17,450.16
	69,800.64

The cost of the stone which would be dispensed with in the use of iron construction for these turrets, is as follows:

Stone	\$34.806.24
Iron	10 100
Difference	\$ 9567.84

Our estimate, therefore of the difference of cost in the execution of the design for the dome and turrets, between stone and iron, is \$46,-153.62, the iron being that much the cheapest. A summary statement of which is as follows:

COST OF STONE CONSTRUCTION.

Main	dome	\$391,389.60
Four	turrets	69,800.64
	Total	\$461 100 94

COST OF IRON CONSTRUCTION.

Main	dome	\$354,803,82
	turrets	
	Total	\$415,036.62

In regard to the construction of the tholus of the dome in terra cotta, we have to report that our estimate for its construction in this material is as follows:

Terra cotta	\$50,000,00
Brick backing	
Iron arching	180.00
Total cost	\$58,180,00

Deducting the cost of the materials replaced in the use of terra cotta instead of copper covering, which is \$28,530.00, we have an excess of cost for terra cotta of \$29,647.00, which should be added to our total estimated cost of the dome, making a grand total of \$421,036.60. In the comparative cost of the tholus covering in copper or slate, we have to report that there is, practically, no difference in the expense. The cost of laying the slate compensating for the difference in the price of the material.

Very respectfully submitted,

BELL & HACKNEY, Architects.