

Hatching-house. In the house are the trays, or troughs, in which the eggs are deposited on wire screens, placed for hatching, and through which the water is kept constantly flowing. The success attained by this establishment in hatching is shown by these facts: Out of 300,000 trout eggs received from the State Hatching-house, at Anamosa, December 18, 1880, ninety-four per cent were hatched successfully and planted in the lakes. Out of 500,000 white fish eggs received January 18, 1881, ninety-nine per cent were hatched.

The first attempt at planting foreign fish in the lakes was made in 1874, when some silver bass were placed there. As the result of this planting there are now caught every year a great many silver bass, weighing from two and a half to four pounds each.

It is too soon to judge of the results of the planting of trout, white fish and salmon, but all indications are favorable. Great schools of the little trout are seen and numbers of them from two to four inches in length have been caught by those fishing with dipnets for minnows. Probably in a few years the lakes and streams, of which they are the source, will be well stocked with these valuable fish.

In accordance with the provisions of chapter 156, laws of the Eighteenth General Assembly, Mr. A. A. Mosier, Assistant Fish Commissioner, has purchased four acres of ground on the isthmus, erected the buildings which are herein before described, and supplied them with all necessary apparatus, at an expense of over \$1,100, or nearly the amount of his salary. The only expense to the State has been the Commissioner's salary of \$600 per year.

Your committee was highly pleased with the whole establishment, its perfect system, order and efficiency. Under the zealous management of the Assistant Commissioner it is doing a good and useful work for the State. We commend the man who covers an acre of fertile land with waving grain; should not equal praise be given him who makes an acre of barren water fertile?

Respectfully submitted,

A. M. WHALEY,

On the part of the Senate.

O. M. BARRETT,

JOHN J. WILSON,

On the part of the House.

SIXTH BIENNIAL REPORT

OF THE

BOARD

OF

CAPITOL COMMISSIONERS

TO THE

GOVERNOR OF IOWA,

NOVEMBER 30, 1881.

PRINTED BY ORDER OF THE GENERAL ASSEMBLY.

DES MOINES:

F. M. MILLS, STATE PRINTER.

1882.

BOARD OF COMMISSIONERS.

GOV. JNO. H. GEAR.....President *ex officio*.
JOHN G. FOOTE.....Burlington.
PETER A. DEY.....Iowa City.
R. S. FINKBINE.....Iowa City.
CYRUS FOREMAN.....Osage.
ED WRIGHT, Secretary.....Des Moines.

BELL & HACKNEY.....Architects, Des Moines.
R. S. FINKBINE.....Superintendent of Construction.
JOHN G. FOOTE.....Superintendent of Finance.
ED WRIGHT.....Assistant Superintendent of Construction.
L. R. GREENE.....Heating and Ventilating Engineer.

REPORT OF THE BOARD.

To His Excellency, JOHN H. GRAY, Governor of the State of Iowa:

The Commissioners appointed by an act of the Fourteenth General Assembly, and "charged with the execution of the provisions of law in respect to the erection of the Capitol," respectfully submit the following report:

Since the date of our last report the main dome has been constructed, and the exterior completed except the painting and gilding. The iron framework for the inner dome, and the canopy covering the same has been put in place, and the stairs from the level of the skylight to the lantern balcony have been built, with the exception of the wood capping to the iron rail.

The heating works, consisting of a boiler and coal-house, pump room, ventilating tower, smoke-stack, engineer's house, and the tunnel connecting the heating works with the Capitol, have been constructed, and to complete them requires only the finish of the engineer's house and the balcony in the boiler-house. The floor arches have all been put in place, the ventilating flues constructed, and the partitions made necessary by the assignment of rooms, by the last General Assembly, have been built. The window frames for the entire building have been made, and put in place, and the sash for the same are nearly all made, a part glazed and put in, and it is expected that they will all be in place by the first day of February next. The exterior steps on the north and east fronts have been built, the foundation put in for the west flight, stone are all on hand, and cut, for the south and west flights, with the exception of a few pieces.

The Commissioners call your attention to the construction of the main dome. Like the building, it is practically fire-proof; the vertical part above the skylight is constructed of stone and brick, the hemispherical part is made of a light iron framework, consisting of vertical eye beam ribs, tied with horizontal bands of flat iron, and filled in between the ribs and inside of the bands with a brick wall or arch,

diminishing in thickness from fourteen inches at the springing line to four and a half inches at the ring, which forms the base of the lantern. The amount of iron used in the construction, above the cut stone work, and below the lantern was 87,783 pounds, and the brick used between the same points was 85,060. The total weight of the constructive portion of the hemispherical part of the dome is 487,000 pounds. The exterior above the cut stone work is covered with copper; the floor of the lantern balcony is of cast bronze, and the railing around the balcony is of brass and bronze. These metals are not materially affected by the action of the elements, and will not be marred from exposure by rust or other disintegration. The copper work will be finished with paint and gilding.

In response to an advertisement for the iron and copper work for the main dome the Board received a bid from A. Knisely & Co., of Chicago, as follows:

1. For all the sheet copper, rivets, and nails, tinned nails, solder and bronze, fifty-five cents per pound in place.
2. For all the sheet-iron work and cast-iron moldings, sixteen cents per pound in place.
3. For all angle, tee, and bar iron forming the stays, anchors and stiffeners, thirteen cents per pound in place.

And a bid from Frederick Hass, of Rock Island, as follows:

For all items in the first class, fifty-one cents per pound.

For all items in the second class, fifteen cents per pound.

For all items in the third class, twelve and one-half cents per pound all in place.

The contract was awarded to Mr. Hass, and has been completed.

Two bids were received for the wrought iron work of the main dome, embracing the iron frame of the outer and inner domes, the canopy, lantern, and the iron work of the stairs leading to the lantern; one from the King Bridge Company of Cleveland, Ohio, at nine and three-fourth cents per pound for all the iron work, delivered on the ground; the other from B. F. Haugh, of Indianapolis, at five and eighty-five one hundredths cents per pound. The work was awarded to Mr. Haugh, who has completed his contract.

After having the plans prepared for heating and ventilating the new Capitol it was thought advisable to have more room for the works than the ground heretofore purchased would afford, and the Commissioners purchased for the State the lot adjoining on the east, of John M. Day, for the sum of seventeen hundred and twenty-five

(1,725) dollars. This enabled them to build the boiler-house of the required width and to have ample room for light, and drive-ways on either side.

In pursuance of the provisions of chapter 112, laws of the Eighteenth General Assembly, the Commissioners contracted with the city of Des Moines for the use of the city sewers for the purpose of the sewerage and drainage of the buildings and grounds for the sum of forty-eight hundred and fifty (4,850) dollars. The sewers from the building have been connected with the city sewers, and a pipe sewer has been constructed from the boiler-house in the alley north of Sycamore Street to Ninth Street, and along Ninth Street to and connecting with the city sewer in the center of Locust Street.

Of the appropriation of ten thousand (10,000) dollars made by chapter 138 of the laws of the Seventeenth General Assembly there has been expended in the purchase of lots for heating works, and for sewerage, nine thousand six hundred and fifty-nine one hundredths (9,600.59) dollars. Most or all of the balance will be required for fencing the grounds upon which the heating works are erected.

The contracts made by the first Board of Commissioners for the right of way for the railroad from the Rock Island track to the Capitol having expired during the months of March and April, 1881, the Commissioners requested the Rock Island Road, which owned the iron, to remove the same; and sold the bridge timbers and such of the ties as were not entirely decayed.

A contract was made with Jones & Mills to haul the materials coming to the building at a given schedule of prices.

In response to an advertisement for heating and ventilating the Capitol, two bids were received for the entire work, one from the Walworth Manufacturing Company of Boston for the sum of \$74,016.13, the other from the Haxtun Steam Heater Company of Kewanee, Illinois, for the sum of \$72,361.56. The bids were made on plans and specifications furnished by the Commissioners, and were in detail, showing the quantity of each article or kind of material to be used, with the price detailed for each, and accompanied, as a part of the proposal, with samples of the valves and fittings; those of the successful bidder to remain in the possession of the Board as a standard of the material and workmanship of those used in the work. By the terms of the specifications the Commissioners had the right to select from any bidder such articles as they might elect at the schedule price. The Commissioners deemed it for the interest of the State to award to

the Haxton Company the boilers and all castings connected therewith, the fire tools, breeching, drip tank, evaporating pan, and water tanks, all in place for the sum of \$10,743, and the balance of the work and materials to the Walworth Company for the sum of \$63,020.97. The contract with the Walworth Company was increased \$1,065.32 by the substitution of a wrought, in place of a cast-iron main steam pipe. The Commissioners wished to obtain some form of furnace, which would so far as possible prevent smoke, and at the same time permit the use of cheap fuel in the form of slack coal or screenings. To attain this they substituted the "Haxton furnace with sectional shelving grates" for those provided in the specifications at an increased cost of \$1,540, making the total cost of this work \$76,369.29. In the last named amount is included the cost of the tanks, pump, and pipes which properly belongs to the plumbing, but as the work was in the line of the iron worker it was included in the heating contract. The schedule price of this work in place is \$2,756, leaving as the cost of heating and ventilating the building the sum of \$73,619.29.

A contract was made with the Crystal Plate Glass Company of St. Louis, Missouri, for all the polished plate glass for the exterior of the building for the sum of \$14,694, a part of which has been delivered. A contract has been made with Haugh, Ketcham & Co., of Indianapolis, to furnish and put in place all the iron stairs in the Capitol for the sum of \$27,894, all of which is yet to be done.

The Commissioners have appointed a committee consisting of two members of the Board, the architects and heating engineer, to examine the subject of electric lighting, with a view of using it in the Capitol. Their report will be found in the appendix to this report. The building is now practically enclosed with but little remaining to be done upon its exterior. The Commissioners have caused an estimate to be made of the cost of its completion, which amounts to the sum of \$649,446.44. This estimate is not made in accordance with the original specifications which were adopted by the Commissioners, when the limit of the cost of the building was fixed by law at one and a half million of dollars, but is made for such materials and work as in their judgment should be used to be in keeping with the work that has already been done. Polished plate glass is provided in the windows in place of double thick cylinder; and polished plate, enameled, in the interior doors and transoms, and in the partitions dividing the cloak rooms from the legislative halls in place of cylinder glass; stained glass is intended to be used in the skylights in the ceilings of the

legislative halls, the library, and the east corridor in place of plain enameled. The grand stairs are intended to be of marble, in place of iron. The wainscoting of the corridors and principal rooms will be of marble in place of wood. The floors of the corridors, library, vaults, closets, and the offices where the public go are to be of marble or encaustic tile in place of wood, and the wood finish will be of hardwood polished, instead of pine painted, as originally contemplated. There has also been in the present estimate an addition to both the amount and quality of the ornamental plastering and the frescoing. In the judgment of the Commissioners no cheaper grade of material and work should be used in finishing the interior of the building than they have estimated for.

The second clause of section 3, chapter 110 of the laws of the Thirtieth General Assembly, provides that "no contract to an amount exceeding one thousand dollars shall be made without prior advertisement for thirty days in at least four daily newspapers in the State, setting forth the material and labor wanted, and the time in which bids will be received and opened; and all contracts shall be awarded to the lowest responsible bidder." This was amended by section 1, chapter 151 of the laws of the Sixteenth General Assembly, by fixing the limit that the Commissioners could contract without advertising at twenty-five hundred dollars. Should the law remain unchanged in the foregoing particular the Commissioners may be seriously embarrassed in completing portions of the interior work and finish of the building. There will be many things that will not be for the interest of the State to have executed by the "lowest responsible bidder" that will amount to more than twenty-five hundred dollars. Work that requires in the contractor special training and artistic skill that neither the Commissioners, nor their architects are able to design or properly execute must be done by specialists who should be paid for their skill and reputation in the line of their specialties. To illustrate: the interior walls and ceilings of the halls, corridors and offices should be finished in colors, with designs suitable to each respectively. The "lowest responsible bidder" who proposed to color the interior walls of the Capitol might be a kalsominer, with his brush and bucket of colored wash, who would ask but laborer's wages for his work; while the artist who could properly design and execute the work might be the highest bidder in the amount required for the work, but much the cheapest when the character of the work was considered.

The same rule would apply to the ornamental glass work, the bronze gas fixtures and hardware, and portions of the marble work. We would respectfully ask the General Assembly to repeal the clause referred to, and leave the Commissioners more discretion in the interior finishing.

If it is the intention of the General Assembly to have the building completed in two years from this time it will be necessary to so direct at once and furnish the means of prosecuting the work with the utmost vigor. The annual appropriation will be exhausted during 1882, and but little more work than now provided for (the steam heating and iron stairways) can be done during the coming year without additional appropriation. Much of the work to be done must be provided for long in advance of the time of placing it in the building; such as the grand stairs, the marble and tile work and ornamental glass work; none of which suitable for the building is kept in stock, all of which must be made to order, and the Commissioners can contract for none in advance of an appropriation. Manufacturers in all departments of the building trades are busy, and time must be given to get work done, especially of the class needed in the Capitol.

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

The report of the superintendent of construction of the work on the building for the years 1880 and 1881.

The report of the superintendent of construction, estimating the cost of completing the building.

The report of the superintendent of finance for the years 1880 and 1881.

The report of the architects for the years 1880 and 1881.

The report of the committee on lighting the building with electricity.

The report of the committee on sewerage with copies of the ordinance of the city of Des Moines, and the contract between the city and the State for the use of the city sewers.

JOHN G. FOOTE,
CYRUS FOREMAN,
R. S. FINKBNE,
PETER A. DEY,

Commissioners.

NUMBER ONE.

CONSOLIDATED REPORT OF THE SUPERINTENDENT OF CONSTRUCTION FOR THE YEARS 1880 AND 1881.

To the Board of Capitol Commissioners:

GENTLEMEN—I herewith submit my report of the materials purchased and delivered on contracts, and of work done on the new Capitol, during the years 1880 and 1881, condensed from my annual reports to your Board.

Owing to the fact that the Board could not provide materials in advance of authority from the General Assembly, for building the main dome, the work was late in starting in the spring of 1880. The stone had to be quarried after spring opened, and high water in the Mississippi River further delayed the shipping, so we were unable to get the stone work completed during that year.

The deck-roof has been made over the stylobate of main dome, the entire exterior of which has been completed, with the exception of painting, gilding, and cleaning and pointing the stone work. The interior iron work for dome and canopy is completed, together with the iron stairs leading from the level of the stylobate to the lantern, with the exception of the wood hand-rail and wainscoting.

The floor and ceiling arches throughout the building have been put in place, and all of the ventilating flues have been built, as well as the partition walls made necessary by the assignment of rooms by the last General Assembly.

The heating works, consisting of boiler and coal-house, pump-room, engineer's house, ventilating tower, smoke-stack, and tunnel connecting heating works with the Capitol, have been built, with the exception of the interior finish to the engineer's house. The roof of the boiler and coal-house is an iron frame covered with porous terra cotta and slate similar to the roof of the Capitol.

The skylights have been put on the Capitol, as well as the red terra cotta hip and ridge rolls.

The foundations have been put in for all the exterior steps, except those on the south; and two flights, those on the north and east, have been completed. The stone is on hand and cut for the two remaining flights. The window-frames have been made, put in place, and bricked in, for the entire building. The sash are nearly completed, and a portion glazed, and in place; it is expected to have them all in place by February 1, 1882.

The Carroll County Sandstone Company has filled its contract for stone for the Capitol, and been paid in full. The amount of stone furnished by this company was one hundred and forty-four

thousand one hundred and eighty-eight and eleven twelfths cubic feet, for which they have been paid \$139,238.54.

The Ste. Genevieve Sandstone and Granite Co. has also completed its contract for stone, and been paid in full. The amount furnished was one hundred and thirty thousand three hundred and forty-five and one-twelfth cubic feet, for which it received \$147,289.83.

In accordance with resolutions of instruction adopted at the several meetings of your Board, I purchased during the year 1880 materials as follows:

Of S. A. Robertson, the cement needed for the season's work at \$1.28 per barrel. The lime needed, of the Chicago Lumber Co., at twenty-seven and one-half cents per bushel in car load lots, and a small quantity in wagon loads of Thomas Cady at thirty cents per bushel. I purchased the iron ring and posts for inner dome balcony of the Union Foundry Co. at seven cents per pound for ring, and nine and one-fourth cents per pound for wrought iron posts, on cars in Chicago. I bought the iron ring for the base of the inner dome, and the iron roof for the boiler house, of Messrs. Haugh & Co., of Indianapolis, at five and one-half cents per pound, delivered at building. The granite for the base course and rail of the outside steps was bought of G. S. Reeder, of Sauk Rapids, Minnesota, at sixty cents per cubic foot on cars at quarry, costing a fraction less than \$1.25 per cubic foot at the building. The limestone forming the ashlar of the buttresses for outside steps was furnished by D. A. Shafer, of Iowa City, at eighty-five cents per cubic foot on cars, costing \$1.03 per cubic foot at building. I purchased of the Forest City Stone Co., of Cleveland, Ohio, at different times, as shown by my reports at the several meetings of your Board, 6,514 cubic feet of sawed free-stone for the exterior steps, balustrades, pedestals, and platforms, at \$1.10 per cubic foot delivered. The dimension stone for the foundation of the smoke-stack was furnished by Wm. Davidson & Bro., of Joliet, Illinois, at twenty-five cents per square foot, ten inches thick, and the dimension stone for bonding the dome piers, at thirty-five cents per square foot, both on cars at quarry.

I purchased at different times, as reported at the several Board meetings, brick of the following named persons:

W. G. Bagg	18,035
Norman Huskins	107,253
Morris & Daugherty	429,403
J. W. Shackleford	83,918
Wm. Fredregill	92,063
J. J. Fredregill	160,081
S. A. Robertson	49,485
W. R. Close	33,877
N. B. Cooley	66,754
Morris & Daugherty—octagon	4,300
Bechtel & Manthe	50,812
Argillo Works—fire brick	8,000
Union Press Brick Co.—pressed brick	16,000
Total brick purchased in 1880	1,120,011

I contracted with A. Knisley & Co., of Chicago, Illinois, to put in four of Hays' patent skylights, covered with rough plate glass one-

half inch thick, for the sum of \$977, which have been built, one each over the House and Senate Chambers, one over the Library and one over the east corridor.

I contracted with John Coyle to do the excavation for the heating works at twenty-nine cents per cubic yard.

I contracted with Messrs. Hahn & Rhoades to put the slate roof on the boiler house for \$10 per square, and on the engineer's house and air tower for \$10.50 per square.

I contracted with Clifford Newman for the galvanized iron work of the heating works, consisting of main and tower cornices, gutters, valleys, down spouts, gable mold, finial, deck and porch roofs for \$550.

The sash for heating works were made by Carver & Young for \$48. The glass for the above was bought of Weaver & Maish for \$92.97. The copper covering to the stylobate deck was done by Mr. F. Hass, at thirty-four cents per pound. I contracted with Frederick Hass to put the covering on the lower belt course or cornice of the main dome at forty cents per pound.

During the year 1881, materials have been purchased as follows: Of the Forest City Stone Company, of Cleveland, Ohio, two thousand seven hundred and fifteen and three twelfths cubic feet of stone for steps and platforms. Of D. A. Shafer, of Iowa City, six hundred and forty-seven and two twelfths cubic feet of limestone for ashlar work to exterior steps.

I contracted with the Walworth Manufacturing Company, of Boston, for 23,200 lineal feet of gas pipe delivered at building, at sixty-seven per cent discount from list price, and the malleable iron fittings at nine, ten and a half and twelve cents per pound, according to sizes.

I had made by the Hopkins & Dickenson Manufacturing Company, the bronze faced axle pulleys for the entire building, and by the Yale Lock Company, the special locks required for the doors leading to the stairs and balconies of the dome. I had manufactured by the Chicago Terra Cotta Works the hip and ridge rolls for the roof of the main building and boiler-house, and for the belt and cornice of the smoke-stack.

The cement for the season's work was furnished by Thomas Cady, at \$1.55 per barrel, and the lime at forty-five cents per bushel. The pine lumber for parts of the frames and sash, and the dimension stuff and lumber for scaffolds, centers and miscellaneous purposes, was bought at such times as needed of the Des Moines dealers, as seen in detailed statements.

I bought during the year of the following parties the brick needed for the work:

S. A. Robertson	144,032
Morris & Daugherty	141,443
Wm. G. Bagg	131,464
N. B. Cooley	61,299
Philip Bechtel	68,885
Bechtel & Manthe	12,550
Shackleford & Fredregill	121,111
Francis Gesener	54,998
Francis Gesener—pressed brick	1,350
Argillo Works—fire brick	11,000

Total brick purchased in 1881

745,132

Appended are statements of the amount and kinds of material received, and of the work done during the years 1880 and 1881. The many minor purchases are represented by the vouchers in the report of the Superintendent of Finance.

Respectfully submitted,

R. S. FINKBINE, *Superintendent.*

CONSOLIDATED REPORT OF MATERIALS RECEIVED, WORK DONE, ETC., FOR THE YEARS 1880 AND 1881.

Dimension stone—		
Ste. Genevieve sandstone.....	ft.	in.
Carroll county sandstone.....	10,555	3
Iowa City limestone.....	11,578	9
Joliet limestone.....	1,100	11
Forest City freestone.....	741	7
Granite.....	9,229	2
	814	0
Total dimension stone.....	34,019	8
Rubble stone, cubic feet.....		4,156
Brick, kiln count—		
Common brick.....	1,824,493	
Octagon brick.....	4,300	
Pressed brick.....	17,350	
Fire brick.....	19,000	
Total brick, kiln count.....	1,865,143	
Fire clay, barrels.....		29
White sand, barrels.....		8
Pitch, pounds.....		6,160
Coal tar, barrels.....		4
Wrought-iron work, pounds.....		220,586
Cast-iron work, pounds.....		14,033
Pine lumber, feet.....		297,385
Cement—		
Utica cement, pounds.....	726,393	
Portland cement, barrels.....		62
Lime, pounds.....		239,215
Coal, pounds—		
Blossburgh.....	18,900	
Bituminous.....	432,830	
Anthracite.....	206,845	
Total coal, pounds.....	658,575	
Coke, bushels.....		111 $\frac{1}{4}$
Water, gallons.....	883,392	
Sand, bushels.....		3,774
Iron, bar and rod, pounds.....		6,033 $\frac{1}{2}$
Steel, pounds.....		280 $\frac{1}{4}$
Nails, pounds.....		12,391
Wood-screws (iron), gross.....		202 $\frac{1}{2}$
Wood-screws (brass), gross.....		50
Bolts, number of.....		1,538
Sheet lead, pounds.....		3,076
Fig lead, pounds.....		88
Sheet zinc, pounds.....		350 $\frac{1}{2}$
Sheet iron, pounds.....		2,902 $\frac{1}{2}$
Copper and bronze, pounds.....		75,903 $\frac{1}{2}$
Slate, squares.....		142.52
Porous terra cotta, squares.....		75.21

Tallow, pounds.....	799
Machine oil, gallons.....	196½
Kerosene oil, gallons.....	261
Lined oil, gallons.....	203½
White lead, pounds.....	4,572
Red lead, pounds.....	125
Glass, square feet—	54¼
Polished plate.....	528
Cylinder.....	
Total feet.....	582¼
New tools and machinery—	1,450
Steel wire rope, feet.....	500
Rubber hose, feet.....	653½
Manilla rope, pounds.....	
Two ratchet drills.....	
One foot mortising-machine.....	
One platform scale.....	
One portable forge.....	
Drain-tile, feet—	422
Three-inch.....	212
Four-inch.....	12
Six-inch.....	3
Ten-inch.....	
Total feet.....	649
Terra cotta—	840
Hip and ridge rolls, feet.....	23
Cornice and belt for smoke stack, feet.....	4
Chimney tops.....	
Bronze hardware—	6
Locks.....	1,390
Axle pullies.....	

WORK DONE.

Excavating and grading—	58,002
For heating works, cubic feet.....	77,814
Tunnel and foundation for steps, cubic feet.....	
Total cubic feet.....	135,817
Dimension stone cut—	ft. in.
Limestone.....	1,831 6
St. Genevieve sandstone.....	10,845 11
Carroll county sandstone.....	11,693 5
Forest City freestone.....	8,813 5
Granite.....	822 5
Total dimension stone cut.....	34,006 8

Dimension stone set—

Limestone.....	ft. in.
Limestone.....	1,318 0
St. Genevieve sandstone.....	10,845 11
Carroll county sandstone.....	11,693 5
Forest City freestone.....	8,908 2
Granite.....	428 1
Total dimension stone set.....	28,193 7

Dimension stone—where set—

In smoke-stack foundations.....	ft. in.
In dome, bondstone.....	378 9
In main dome.....	377 8
In heating works.....	21,672 4
In main building.....	796 7
In step foundations.....	26 5
In north and east steps.....	74 0
In north and east steps.....	4,897 10
Total dimension stone set.....	28,193 7

Brick laid—kilo count—

In heating works.....	548,923
In tunnel to heating works.....	233,656
In floor arches.....	295,816
In interior walls and flues.....	179,984
In dome.....	305,818
In foundations and arches to north and east steps.....	148,428
In walling in window frames.....	111,798
In boiler settings.....	79,938
Total brick laid.....	1,895,361

Concrete—put in place, cubic feet—

In foundations for steps.....	9,018
In tunnel and pump room.....	2,781
Total concrete cubic feet.....	11,799

Wrought iron set, pounds—

In library.....	5,866
In boiler-house roof.....	36,432
In coal-house doors.....	688
In anchors for stone work.....	3,801
In framework of exterior dome.....	86,971
In framework of dome lantern.....	26,817
In framework of dome canopy.....	15,193
In framework of interior dome.....	42,091
In stairs leading to lantern.....	14,270
In iron stays to copper-work.....	1,458½
Steel wire used in dome construction.....	227½
In tie rods in tunnel.....	415
Total pounds set.....	254,735

Cast iron set, pounds—	3,900
In plates for boiler-house and dome.....	1,236
In balcony brackets and columns.....	3,582
In dome stairs.....	5,022
In library columns.....	573
In plates for tunnel ties.....	320
In plates for dome.....	290
In mouldings in lantern.....	290
Total pounds set.....	14,023
Sheet iron set, pounds—	2,801½
In lining to lantern.....	2,801½
Coal used, pounds—	206,845
Anthracite.....	451,730
Bituminous.....	451,730
Total pounds used.....	658,575
Coke, bushels, used in engines.....	111¼
Coal, where used, pounds—	630,675
In engines, shops and office.....	18,900
In blacksmith shop.....	18,900
Total pounds used.....	658,575
Lime used, pounds.....	230,215
Cement used—	688,463
Utica, pounds.....	87
Portland, barrels.....	87
Copper and bronze used, pounds.....	75,903½
Sand used, bushels.....	39,000
Pine lumber used, feet—	54,574
In ceilings and furring.....	30,243
In dome and deck ribs and furring.....	18,438
In heating works.....	12,989
In centers.....	12,989
In dome window frames.....	13,484
In patterns.....	896
In railroad bridge.....	998
In draft boards.....	248
In dome scaffolding.....	69,489
In sidewalk.....	492
In dome sash.....	3,024
In sash for main building.....	14,270
In window frames of main building.....	49,223
In elevator repairs..... main building.....	1,080
In lumber shed.....	350
In piling lumber.....	616
In fitting up shops.....	499
For general purposes.....	26,565
Total feet used.....	297,385

Hard wood lumber used, feet—	
Oak.....	22,199
Black walnut.....	2,604
White walnut.....	411
Cherry.....	12,951
Chestnut.....	1,914
Ash.....	623
Yellow pine.....	7,797
Total feet.....	48,499
Where used—	
In door frames.....	925
In steps and platform for dome stair.....	1,900
In sash.....	11,416
In window frames.....	34,958
Total feet used.....	48,499
Cost of railroad.....	\$ 874.63
Cost of tools and machinery.....	2,481.70
Cost of patterns and models.....	526.55

MATERIALS ON HAND.

Cut stone—		ft.	in.
Forest City freestone.....	4,905	3	
Iowa City limestone.....	513	6	
Granite.....	394	4	
Total feet.....	5,813	1	
Rough dimension stone—		ft.	in.
Forest City freestone.....	229	3	
Ste. Genevieve sandstone.....	575	9	
Carroll county sandstone.....	120	8	
Iowa City limestone.....	28	0	
Granite.....	27	5	
Total feet.....	981	1	
Hard wood lumber, feet—			
Oak.....	33,466		
Black walnut.....	77,792		
White walnut.....	32,383		
Cherry.....	17,168		
Ash.....	50,376		
Chestnut.....	29,044		
Yellow pine.....	153,245		
Total feet.....	393,474		
Drain tile on hand, feet—			
Six inch.....	92		
Eight inch.....	54		
Total feet.....	146		
Iron beams and channels, pounds.....	9,865		
Cement, Utica—pounds.....	42,400		
Cement, Portland—barrels.....	5		

STATEMENT.

Showing the number of days of men and teams employed on the Capitol and the prices paid per day from October 30, 1879, to October 1, 1881; and the aggregate number of days from May 18, 1872, to October 1, 1881, not including stone-cutters working by the foot and men employed by contractors.

WAGES PAID, PER DAY.	IN 1880.	IN 1881.	TOTAL.
Five dollars	71.50	.....	71.50
Four dollars and fifty cents	778.00	631.50	1,409.50
Four dollars and twenty-five cents .....	.....	132.00	132.00
Four dollars	242.62	247.50	490.12
Three dollars and seventy-five cents	59.00	140.00	199.00
Three dollars and sixty cents	180.00	.....	180.00
Three dollars and fifty cents	427.90	95.05	522.95
Three dollars and twenty-five cents	54.75	459.25	514.00
Three dollars and fifteen cents	123.85	.....	123.85
Three dollars	101.50	665.40	666.90
Two dollars and fifty cents	211.75	429.55	641.30
Two dollars and twenty-five cents	780.55	2,820.05	3,600.60
Two dollars	1,275.70	1,044.75	2,320.45
One dollar and seventy-five cents	1,666.05	2,212.95	3,879.00
One dollar and sixty cents	2,054.40	6,115.61	8,170.01
One dollar and fifty cents .....	.....	88.50	88.50
One dollar and twenty-five cents	5,484.25	1,304.15	6,788.40
One dollar and fifteen cents	1,938.55	417.50	2,356.05
One dollar	65.30	.....	65.30
Seventy-five cents	205.25	169.75	375.00
Forty-five cents	290.55	254.00	544.55
Twenty-five cents	29.50	.....	29.50
.....	15.00	.....	15.00
Total days in 1880 and 1881	16,061.97	17,128.71	33,190.68
Total days from May 18, 1872, to October 31, 1879 .....	.....	.....	179,132.20
Total days from May 18, 1872, to October 1, 1881 .....	.....	.....	212,322.88

NUMBER TWO.

ESTIMATE OF THE COST OF COMPLETING THE CAPITOL.

To the Board of Capitol Commissioners:

GENTLEMEN—In obedience to your instructions I herewith present an estimate of the cost of completing the new Capitol. The estimate is based upon your instructions as to the character and style of material and work that should be used in the finish of the building, and is made at the present rates of the value of work and material, so far as they apply to the work to be done, some of which is so much out of the usual style that its value is solely a matter of judgment.

I have not attempted to make any figures on the cost of electric lighting, and for an approximate estimate of the cost refer to the report of the committee on that subject.

The estimate made by me in 1879, to complete the building from that date, was \$781,465. Since then there has been expended on the work \$250,000, leaving the cost of completion from this time, had there been no changes in the value of work and material, at \$531,465. The stone for the main dome was furnished at the original contract price, and was not affected by any rise in value; this amounted to \$23,718.25. The contract for the heating and ventilating was let at a time when iron was much lower in price than when the last estimate was made, and resulted in a saving over the estimate of \$23,631; the purchase of the gas-pipe from the same causes resulted in a saving from the former estimate of \$1,000. The contract for the plate-glass was let \$3,553 less than estimated, and thirty-five per cent below present prices.

The advance in the prices of labor and material during the year 1880 over those ruling when the last estimate was made would average ten per cent, and fully twenty per cent for the year 1881.

Leaving out the contract items not affected the net rise for the two years would be \$35,000. The deduction in the decreased cost of the steam-heating, gas-pipe and plate-glass is \$28,184, making the increased cost of the work for the two years over the estimate of 1879, \$6,816.

I here present two summarized estimates, one by stories, the other by a classification of the items composing the work to be done, and amounting to \$649,446.44.

R. S. FINEBINE, Superintendent.

ESTIMATE BY STORIES.

Outside work—	
Stone and stone-work	\$ 5,410.00
Cleaning and pointing walls	10,288.00
Portico ceilings	250.00
Portico and stylobate railings	4,320.00
Cresting engineer's house	96.00
Balcony railing	1,150.00
Painting and gilding	6,500.00
Removingscaffolds	200.00
Brick-work to steps	2,430.00
Iron	65.00
Lamp posts	700.00
Prismatic lights	2,968.00
Copper work	7,814.15
	<hr/>
	\$ 42,280.15
General expenses—	
Tools and machinery	\$ 4,500.00
Board of Commissioners, 2 years	1,500.00
Architects and superintendence of all kinds, 2 years	22,000.00
Engineers, firemen and fuel to dry out the building	4,000.00
	<hr/>
	\$ 32,000.00
Cellar—	
Concrete	\$ 11,080.00
Brick-work—boiler setting	1,200.00
Brick-work to radiators	1,600.00
Grading cellar bottom	320.00
Cellar windows	125.00
	<hr/>
	\$ 14,325.00
Basement story—	
Concrete	\$ 4,800.00
Vault doors	1,050.00
Wood floors	1,112.00
Tile and marble floors	10,906.00
Wainscoting, marble	14,616.00
Plastering	3,280.00
Windows	2,104.00
Windows-glass	755.20
Doors	7,892.00
Glass to doors and transoms	378.00
Glass to interior windows	175.00
Gas fixtures	1,020.00
	<hr/>
	\$ 48,088.20

First story—	
Concrete	\$ 5,200.00
Vault doors	1,900.00
Iron work, rotunda floor	1,200.00
Stairs and floors to second story of vaults	3,200.00
Wood floors	1,070.00
Tile floors	10,536.00
Marble wainscoting	25,230.00
Marble mantels and grates	6,500.00
Plate mirrors	2,506.00
Plain plastering	6,448.00
Ornamental plastering	10,465.00
Windows	15,926.00
Window-glass	3,746.88
Doors	29,463.00
Glass to doors and transoms	2,370.00
Gas fixtures	6,612.00
Frescoing	4,000.00
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	\$145,372.88
Second or hall story—	
Brick work	\$ 1,200.00
Concrete	3,600.00
Balcony railings	4,800.00
Tile and marble floors in corridors	10,649.00
Tile and marble floors in house of representatives	2,139.00
Tile and marble floors in senate	2,014.00
Tile and marble floors in library	3,638.00
Marble wainscoting in corridors	10,313.00
Marble wainscoting in house of representatives	4,316.00
Marble wainscoting in senate	4,100.00
Marble wainscoting in library	1,130.00
Marble wainscoting in rotunda	5,815.00
Marble and granite work to entrances of house and senate chambers	2,832.00
Wood floors in house of representatives	910.00
Wood floors in senate	700.00
Wood floors in galleries	320.00
Wood floors in library	120.00
Plain plastering	7,578.00
Ornamental plastering	16,567.00
Doors	4,128.00
Glass in doors and transoms	1,728.00
Ornamental and stained glass	8,904.00
Windows	10,300.00
Plate-glass to windows	6,354.16
Gas-fixtures	8,811.00
Interior finish in house of representatives	7,632.00
Interior finish in senate	6,832.00
Interior finish in library	19,790.00
Frescoing	8,000.00
Brick work to lobbies and door-keepers' rooms to house and senate	360.00
Iron work to same	950.00
	<hr/>
	\$164,522.16

Gallery story—	
Tile and marble floors.....	\$ 3,873.00
Wood floors.....	540.00
Marble wainscoting.....	10,020.00
Plastering—plain.....	3,372.00
Doors.....	3,148.00
Windows.....	4,447.00
Glass to windows.....	2,995.36
Glass to doors and transoms.....	192.00
Gas fixtures.....	420.00
	\$ 28,547.36
Inner dome and rotunda—	
Furring and covering canopy.....	\$ 550.00
Stairs.....	250.00
Cast-iron work.....	1,790.00
Plain plastering.....	1,410.00
Ornamental plastering.....	5,720.00
Sheet metal work.....	11,080.00
Balcony railings.....	550.00
Stucco columns.....	3,000.00
Glass to dome.....	1,282.40
Frescoing.....	5,000.00
Removing scaffolds.....	400.00
	\$ 31,082.40
Items belonging to all stories—	
Steam heating.....	\$ 63,369.29
Plumbing.....	9,000.00
Gas piping.....	3,950.00
Elevators.....	8,000.00
Modelling.....	5,000.00
Grand stairs.....	22,000.00
Marble radiator tops.....	2,056.00
Finish to engineer's and boiler-house.....	1,400.00
Iron stairs.....	27,894.00
	\$142,609.29
Summary by stories—	
Outside work.....	\$ 42,289.15
General expenses.....	32,000.00
Cellar.....	14,235.00
Basement.....	48,688.20
First story.....	145,372.88
Second story.....	164,522.16
Gallery story.....	28,547.36
Dome and rotunda.....	31,082.40
Miscellaneous items.....	142,609.29
Total.....	\$649,446.44

SUMMARY OF COST OF COMPLETING THE NEW CAPITOL
BY ITEMS.

Grading cellar.....	\$ 320.00
Concrete.....	24,680.00
Stone work.....	5,410.00
Brick work.....	6,790.00
Marble and tile floors.....	52,757.00
Wood floors.....	4,772.00
Iron work to floors.....	2,150.00
Plain plastering.....	22,088.00
Ornamental plastering.....	35,752.00
Modelling.....	5,000.00
Marble work.....	73,530.00
Mantles, grates, and mirrors.....	9,006.00
Marble radiator tops.....	2,056.00
Doors complete.....	44,631.00
Windows complete.....	32,902.00
Plate glass to windows.....	14,704.00
Ornamental glass work.....	13,717.00
Steam heating.....	63,369.29
Plumbing.....	9,000.00
Gas piping.....	3,950.00
Elevators.....	8,000.00
Grand stairs.....	22,000.00
Marble and granite work in house and senate.....	2,832.00
Finishing boiler and engineer's house.....	1,400.00
Cleaning and pointing walls.....	10,388.00
Portico ceilings.....	250.00
Portico stylobate and balcony railings.....	5,470.00
Painting and gilding.....	6,590.00
Prismatic lights.....	2,968.00
Lamp posts and lamps.....	700.00
Tools and machinery.....	4,500.00
Board of Commissioners.....	1,500.00
Engineers, firemen and fuel.....	4,000.00
Architects and superintendence.....	22,000.00
Cast iron work.....	1,790.00
Sheet metal work.....	11,080.00
Frescoing.....	17,000.00
Gas fixtures.....	17,463.00
Iron work, canopy and stairs.....	800.00
Vault doors.....	2,950.00
Cresting.....	96.00
Stairs and floors to vaults.....	3,200.00
Inside balcony railings.....	5,350.00
Finish to house and senate.....	14,464.00
Finish to library.....	19,790.00
Removing scaffolds.....	600.00
Iron stairs.....	27,894.00
Copper work.....	7,814.15
Iron work to steps.....	65.00
Total.....	\$ 649,446.44

NUMBER TWO.

SUPPLEMENTAL EXHIBIT.

HON. JOHN H. GEAR, *Governor of State of Iowa:*

At your request, I herewith furnish a statement of the amount of money required to put the new Capitol in a condition to be occupied by the State officers and General Assembly by the first of January, 1884.

This is arrived at by leaving out the cleaning and pointing of the exterior walls, leaving off the portico and stylobate railings, the lamp-posts, and south steps, by not putting elevators in place, and leaving unfinished the basement story and the east wing through all the stories.

The total estimate for completing the building is \$649,446.44. The estimated cost of the work above enumerated is \$126,164, leaving \$523,282.44 as the amount required to place the building in a condition to be occupied by January 1, 1884.

It will require all of the appropriation for 1882 to pay for the materials already purchased and for the contracts now let for steam-heating, iron stairs, plate glass, and gas pipe and fittings. If it is intended to have the building in a condition to occupy by the date named above, provision should be made at once to push the work, and to contract this spring for work needed next year, otherwise it will be impossible to get the material when needed, as all departments of the building trades are crowded with work, and contracts to be met must be made in time.

Respectfully submitted,

R. S. FINKBINE,
Superintendent of Construction New Capitol.

ITEMS OF FINISH THAT MAY BE POSTPONED UNTIL AFTER
THE BUILDING IS OCCUPIED BY THE STATE OFFICERS
AND GENERAL ASSEMBLY.

EXTERIOR WORK.

Cleaning and pointing walls.....	\$ 10,388.00	
Portico and stylobate railings	4,320.00	
South steps	1,800.00	
Lamp-posts	700.00	\$ 17,206.00
Basement story finish		45,829.00
Elevators		8,000.00

FINISH TO EAST WING.

Grand stairs	\$ 22,000.00	
Doors and finish to same	5,273.00	
Windows and finish to same	4,515.00	
Ornamental skylight	5,496.00	
Gas fixtures	1,180.00	
Tile and marble floors	7,398.00	
Plastering, plain	3,355.00	
Plastering, ornamental	1,276.00	
Marble wainscoting	5,072.00	
Balcony railings	1,264.00	
Mantels and grates	300.00	\$ 55,129.00
Total		\$ 126,164.00
Total estimate	\$ 649,446.44	
Items left out		126,164.00
Balance	\$ 523,282.44	

NUMBER THREE.

REPORT OF THE SUPERINTENDENT OF FINANCE.

To the Board of Capitol Commissioners:

GENTLEMEN—Herewith I present my report and exhibits of expenditures in detail for the year 1880 of \$114,118.86 on the new State Capitol, and \$8,192.09 for additional cost for boiler-house lot and sewer, and for the year 1881, of \$135,834.43 on the new State Capitol, and for the aggregate amount expended from the commencement of the work to November 30, 1881, \$1,834,533.88. Also of cash receipts for sales of refuse material and old machinery for the year of 1880 of \$182.85 (Exhibit "C"), and for the year 1881 of \$208.51 (Exhibit "F").

The Thirteenth General Assembly, of 1870, enacted a law providing for the erection of a new State Capitol, in accordance with one of the plans adopted by the Census Board, pursuant to an act of the Twelfth General Assembly of 1868, the cost of which was not to exceed \$1,500,000. It also provided for a Board of Commissioners, to serve for two years, and made an appropriation of \$150,000.

The Fourteenth General Assembly of 1872 passed an act amending the law, providing for a State Capitol, approved April 13, 1870, by the appointment of a Board of Commissioners, "who shall be charged with the execution of the provisions of the law in respect to the erection of the Capitol; and it shall be their duty to cause the present foundation 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. And the estimated value of such rejected portions shall not be considered in determining the amount authorized to be expended in the construction of said building." It also made a general appropriation of \$1,380,000, which includes a balance of \$30,000 of the appropriation of 1870 not expended by the first Board "payable \$100,000 for the year 1872, and \$125,000 to be paid annually thereafter for the prosecution of the work on the Capitol in the manner provided by law."

In accordance with the instructions in the above act the Board caused the foundation and material on hand to be carefully and skillfully inspected and examined, and it was found necessary to remove and reconstruct the greater part of it. An accurate account of the same was kept and reported (Exhibit "C," in the second biennial report, 1874), amounting to \$52,343.76, which amount the Attorney-general has given his written opinion, "was appropriated by the law cited above

of 1872, in addition to the general appropriation of \$1,380,000, and that no further legislation is needed to cover the \$52,343.76, the sum used in replacing the foundation."

The amount specified in the law of 1870, and implied in the law amending of 1872, for the construction of the main body of the Capitol, according to the original plan, without dome, turrets and proper finish for such a structure is..... \$1,500,000.00

Expenditures have been as follows:

First Board reported January 1, 1872.....	\$	119,997.62
Present Board reported from January 1,		
1872, to November 30, 1881.....	1,254,955.67	
		\$1,374,953.29
		\$
		125,046.71
Add foundation repairs above cited.....		52,343.76
		\$
		177,390.47

Which exhausts all the appropriations made to the present time for the erection of the new State Capitol.

The Fifteenth General Assembly made an additional appropriation increasing the cost of the building \$125,000.

The Sixteenth General Assembly further increased the cost of the building by an appropriation of \$150,000 for cut stone cornice and capitals.

The Seventeenth General Assembly authorized the changing of the plans of the building as adopted August 3, 1872, and directed the construction of one large dome in the center of the building and four smaller domes on the pavilions, and made a further appropriation of \$75,000 to build the four small domes and finish the roof.

The Eighteenth General Assembly, by an amendment to the act of the Seventeenth General Assembly, directed the construction of the main dome, which has been done from the general appropriation made in 1872.

The appropriation necessary to complete the Capitol entire will be found estimated in the accompanying report of the Superintendent of Construction.

The pay-rolls for October, November, and December, are payable January 1, 1882.

The accompanying exhibits are in the following order:

"A"—Classified statement of the aggregate expenditures from the commencement of the work to October 31, 1879.

"B"—General statement of expenditures in detail from November 1, 1879, to November 30, 1881.

"C"—General statement of cash received in the year 1880, and to what class credited.

"D"—Classified statement of expenditures from November 1, 1879, to November 30, 1880.

"E"—General statement of expenditures in detail from December 1, 1880, to November 30, 1881.

"F"—General statement of cash received in the year 1881, and to what class credited.

"G"—Classified statement of expenditures from December 1, 1880, to November 30, 1881.

"H"—Classified statement of expenditures from the commencement of the work to November 30, 1881.

"I"—Condensed statement of expenditures and appropriations.

Respectfully submitted,

JOHN G. FOOTE,
Superintendent of Finance.

SUPPLEMENTAL REPORT.

To the Board of Capitol Commissioners:

GENTLEMEN—Since making my biennial report the following letter has been received from the Auditor of State, in reference to issuing warrant for \$52,343.76, the amount drawn from the general appropriation for the payment of removing and rebuilding the defective foundation, ordered by an act passed by the General Assembly of 1872, which is in direct opposition to the written opinion of the Attorney-general expressed in my regular report.

DES MOINES, January 6, 1882.

GEN. ED WRIGHT, *Secretary Board of Capitol Commissioners:*

DEAR SIR—On examination of the law and a full consideration of all its provisions relative to the cost of removing the old foundation of the New Capitol, I am of the opinion that I cannot legally issue warrant for the amount. I do not question but the intention of the legislature was to have such expense paid outside of the stipulated minimum cost of the building, but unfortunately no appropriation was made to meet the provision of the law.

Under the circumstances, I am forced to the conclusion that there is no warrant of law for issuing in excess of \$1,380,000.

Yours truly,

W. V. LUCAS,
Auditor of State.

As the Auditor has thus declined to issue warrant for the amount, it will be incumbent upon the legislature to pass an act appropriating the said amount expended of \$52,343.76, in compliance with the expression of the law of 1872.

Respectfully submitted,

JOHN G. FOOTE,
Superintendent of Finance.

EXHIBIT "A."

Classified statement of the aggregate expenditures from the commencement of the work to October 31, 1879.

ON WHAT ACCOUNT.	AMOUNT.
Plans.....	\$ 4,276.47
Excavation and drainage.....	15,915.79
Stone—limestone and granite.....	119,760.32
Cistern.....	1,512.12
Sand.....	6,920.41
Repairs on first foundation.....	52,343.76
Stone masonry on foundation.....	14,711.21
Brick masonry on foundation.....	7,789.80
Concrete—labor on.....	5,922.86
Printing and advertising.....	2,476.95
General labor.....	3,212.10
Patterns and models.....	3,579.14
Water.....	1,400.31
Rubble masonry on foundation.....	4,765.97
Iowa City stone.....	60,858.10
Brick masonry on basement story.....	17,100.37
Stone setting on basement story.....	6,149.37
Cash received from sales of refuse material.....	1,723.29
Stone cutting—limestone and granite.....	114,595.75
Wrought iron work.....	109,858.59
Cement.....	40,618.74
Board of Commissioners.....	10,243.35
Nails and hardware.....	1,036.03
Water pipe and meter.....	791.95
Brick.....	115,171.95
Iron and steel.....	589.81
Cast iron work.....	2,890.85
Lime.....	5,130.84
Carroll county stone.....	127,908.23
St. Genevieve stone.....	135,498.13
Sandstone cutting.....	190,987.82
Rubbing stone.....	22,108.25
Accidents.....	280.43
Extra handling stone.....	2,248.21
Brick masonry on superstructure.....	70,167.03
Stone setting on superstructure.....	38,014.05
Paints and oils.....	608.01
Roofing and guttering.....	30,085.93
Terra cotta work.....	2,751.48
Salaries.....	85,553.12
Expenses.....	2,402.26
Machinery and tools.....	26,281.14
Lot for heating works, special appropriation.....	1,408.50
Turrets—copper work.....	19,133.43
Heating and ventilating.....	1,492.00
Painting.....	211.79
Carpenter work.....	14,134.56
Lumber and timber.....	33,062.36
Railroad.....	15,770.83
Fuel.....	5,471.07
Cleaning and pointing.....	112.12
Glass.....	326.39
Total expenditures to October 31, 1879.....	\$ 1,576,408.50

EXHIBIT "B."

General statement of expenditures in detail from November 1, 1879, to November 30, 1880.

Date of voucher.	No. of voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	AMOUNT.
1880.				
Jan.	22989	Norman Haskins.....	Brick.....	\$ 242.00
	22390	W. G. Bagg.....	Brick.....	109.15
	22391	Morris & Daugherty.....	Brick.....	656.13
	22392	Norman Haskins.....	Brick.....	415.66
	22393	Bell & Hackney.....	Salary as Architects.....	250.00
	22394	John G. Foote.....	Per diem and expenses Supt. of Finance.....	25.40
	22395	John G. Foote, S. of F.....	Pay-roll.....	3,305.51
	22396	R. S. Miller.....	Pitch.....	31.45
	22397	Capital City Gas Co.....	Coal-bar.....	4.00
	22398	Wm. Fredgill.....	Brick.....	591.50
	22399	Morris & Daugherty.....	Brick.....	606.38
	22400	Board of Commissioners.....	Per diem and expenses.....	312.75
	22401	J. J. Fredgill.....	Brick.....	696.38
	22402	S. A. Robertson.....	Brick.....	237.83
	22403	John G. Foote, S. of F.....	Pay-roll.....	1,968.70
	22404	H. S. Finkbine.....	Salary as Superintendent.....	330.03
	22405	John G. Foote.....	Per diem and expenses Supt. of Finance.....	41.00
	22406	Bell & Hackney.....	Salary as Architects.....	250.00
	22407	Morris & Daugherty.....	Brick.....	78.91
	22408	S. A. Robertson.....	Lime.....	178.90
	22409	W. H. Close.....	Water.....	196.36
	22410	Walworth Manuf'g Co.....	Brick.....	25.00
	22411	Dea Moines Water Co.....	Water.....	20.35
	22412	H. F. Getchel & Sons.....	Lumber.....	235.17
	22413	Chicago Lumber Co.....	Lumber.....	860.14
	22414	Sannuel Green.....	Cast iron work.....	7.36
	22415	Teschout & Clark.....	Ice.....	6.50
	22416	Robinson & Atherton.....	Engine repairs and gas fitting.....	51.73
	22417	Hedhead & Wellslager.....	Tracing-cloth and paper.....	164.05
	22418	S. B. Tuttle.....	Portland cement.....	9.50
	22419	C. H. Wagoner.....	Tools, paints, and oils.....	6.28
	22420	Capital City Gas Co.....	Gas for October, November, and December.....	34.50
	22421	R. S. Finkbine.....	Salary as Superintendent.....	300.00
	22422	Bell & Hackney.....	Salary as Architects.....	250.00
	22423	Dea Moines Coal Co.....	Cement and fuel.....	630.20
	22424	Bolton Bros.....	Tools, iron and hardware.....	264.78
	22425	Ed Wright.....	Salary as Secretary and expenses (2 months).....	624.40
	22426	Dea Moines post-office.....	Stamped envelopes.....	32.50
	22427	John G. Foote.....	Per diem and expenses Supt. of Finance.....	45.55
	22428	C. H. I. & P. R. R. Co.....	Freight on sky lights.....	18.31
	22429	Carter & Hussey.....	Stationery and printing.....	86.25
	22430	C. H. I. & P. R. R. Co.....	Second-hand rails.....	11.90
	22431	John G. Foote, S. of F.....	Pay-roll.....	1,692.77
	22432	Fred. Haas.....	Copper work.....	2,600.00
	22433	Fred. Haas.....	Copper work.....	2,600.00
	22434	Fred. Haas.....	Copper work.....	11.10
	22435	A. Knisely & Co.....	Four sets of work.....	346.00
	22436	Lattner & Bro.....	One dozen oil brushes.....	8.00
Feb.	22437	Morris & Daugherty.....	Brick.....	28.00
	22438	Ed Wright.....	Iron work.....	365.52
	22439	Bolton Bros.....	Iron, nails and hardware.....	109.73
	22440	Bell & Hackney.....	Salary as Architects.....	250.00
	22441	H. S. Finkbine.....	Salary as Superintendent.....	300.00
	22442	John G. Foote.....	Per diem and expenses Supt. of Finance.....	46.10
	22443	Ed Wright.....	Salary as Secretary and expenses.....	211.90
	22444	John G. Foote, S. of F.....	Pay-roll.....	972.38
	22445	Chicago Lumber Co.....	Lumber.....	176.00
	22446	Ham & Carver.....	Advertising.....	17.50

EXHIBIT "B"—CONCLUDED.

Date of voucher.	No of voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	AMOUNT.
1880.				
October	22587	Union Press Brick Co.	Face brick	\$ 106.27
	22588	W. A. Hammer	Kerosene and lamp fixtures	7.65
	22589	H. A. Ayers & Co.	Lamps and lamp fixtures	4.45
	22590	Gronpe & Turner	Engine repairs	93.35
	22591	Darner & Hasey	Black books	6.85
	22592	Pioneer Coal Company	Fuel	24.50
	22593	J. D. Seeburger	Manilla rope	49.92
	22594	H. S. Finkbine	Salary as Superintendent	888.10
	22595	Des Moines Water Co.	Water	13.59
	22596	Ed Wright	Salary as Secretary and expenses	221.95
	22597	John G. Fouts	Per diem and expenses, S. of F.	63.90
	22598	Robinson & Alberts	Engine repairs	15.72
	22599	T. H. Cady & Co.	Cement and fuel	30.98
	22600	Carroll County S. S. Co.	Sandstone	2,158.34
	22601	C. R. L. & P. R. R. Co.	Freights	1,824.73
	22602	Chicago Lumber Co.	Lumber	71.25
	22603	Argillo Works	Fire clay	5,822.23
	22604	John G. Fouts, M. E.	Pay-roll	12.00
	22605	N. B. Cooley	Brick	500.65
	22606	Morris & Daugherty	Brick	485.63
	22607	Union Press Brick Works	Brick	214.55
	22608	Hechtel & Mantha	Brick	406.59
	22609	Ed Wright	Constructing sewer	1,617.69
	22610	Ed Wright	Salary and expenses	210.30
	22611	Bell & Hackney	Salary as Architect	350.00
	22612	H. S. Finkbine	Salary as Superintendent	300.00
	22613	Hammer & Co.	Drayage	3.50
	22614	Haug & Co.	Wrought iron work	1,920.29
	22615	C. R. L. & P. R. R. Co.	Freights	1,170.61
	22616	Ward, Sessions & Ward	Machine oil	18.65
	22617	J. D. Seeburger	Manilla rope	7.19
	22618	Iowa School Furniture Co.	Shop work and moulding	25.79
	22619	Pioneer Coal Company	Fuel	117.79
	22620	Morris & Daugherty	Brick	467.25
	22621	Excelsior Iron Works	Cast and wrought iron work	89.68
	22622	T. H. Cady & Co.	Lime	114.50
	22623	John G. Fouts	Per diem and expenses as Superintendent of F	64.55
	22624	Des Moines Water Co.	Water	13.83
	22625	John G. Fouts, S. of F.	Pay-roll	5,424.60
	22626	H. F. Gatchell & Sons	Lumber	16.00
	22627	J. K. & W. H. Gilcrest	Lumber	22.85
	22628	Chicago Lumber Co.	Lumber	196.95
	22629	Forest City Stone Co.	Cleveland stone	1,167.34
	22630	F. B. Curtiss	Rental on railroad right of way	240.00
	22631	Fredertick Hass	Sheet lead and copper	86.73
	22632	Iowa State Journal	Printing specifications	39.00
	22633	Darner & Young	Sash	48.00
	22634	Weaver & Maish	Glass	92.97
	22635	Holland & Son	Painting and glazing	20.44
	22636	T. H. Cady	Lime	37.50
	22637	H. E. Teschout & Co.	Ice	10.50
	22638	Barton Brothers	Nails, iron and hardware	74.41
	22639	Bell & Hackney	Salary as Architect	252.00
	22640	H. S. Finkbine	Salary as Superintendent	300.00
	22641	Adelman & Turner	Cast iron work	42.47
	22642	Ed Wright	Salary as Secretary and expenses	211.10
	22643	John G. Fouts	Per diem and expenses, S. of F.	64.55
	22644	C. R. L. & P. R. R. Co.	Freight bills	855.65
	22645	Forest City Stone Co.	Cleveland stone	1,014.97
	22646	Carroll Co. S. S. Co.	Final estimate on stone contract	588.34
	22647	James H. Osgood & Co.	Advertising	9.10
	22648	Morris & Daugherty	Brick	344.87
	22649	Clifford Newman	Galvanized iron work	300.00
	22650	John G. Fouts, S. of F.	Pay-roll	3,683.77
	22651	Pioneer Coal Co.	Fuel	97.09
	22652	W. A. Hammer	Oil, matches and salt	10.05
	22653	J. K. & W. H. Gilcrest	Lumber	51.34
	22654	H. F. Gatchell & Sons	Lumber	29.94
	22655	Chicago Lumber Co.	Lumber and lime	162.36
	22656	S. A. Robinson	Cement	598.35
		Total		\$ 122,310.95

EXHIBIT "C".

General statement of cash received in the year 1880, and to what class credited.

ARTICLES SOLD.	TO WHAT CLASS CREDITED.	AMOUNT.
Oakum	Cleaning and pointing	\$ 2.89
Boxes	Glass	1.10
Old zinc	Patterns	4.77
Mortar	Cement	7.00
Cuttings	Lumber	6.00
Tree tops	Expenses	4.00
For use of tools	Tools and machinery	28.85
Spawls	Carroll county stone	20.50
Spawls	Sta. Genevieve stone	\$ 13.00
Limestone	Stone	5.94
Granite	Stone	18.94
Box	Carpenter work	.68
Scrap copper	Roofing and guttering	.70
Shovel for Buckley	Brick masonry	1.00
Sewer privilege, C. Burnett	Excavations and drainage	50.00
		\$ 182.85
Previously reported		1,728.29
Total		\$ 1,906.14

EXHIBIT "D."

Classified statement of expenditures from November 1, 1879, to November 30, 1880.

ON WHAT ACCOUNT.	AMOUNT.
Excavation and drainage	\$ 573.18
Stone—limestone and granite	8,355.29
Sand	44.34
Concrete, labor on	173.64
Printing and advertising	100.35
General labor	908.52
Patterns and models	399.80
Water	92.64
Cash received from sale of refuse material	182.85
Stone cutting—limestone and granite	100.12
Wrought iron work	4,523.67
Cement	1,507.71
Board of Commissioners	997.35
Nails and hardware	257.90
Water pipe and water	14.72
Brick	8,141.51
Iron and steel	50.52
Cast iron work	392.50
Lime	538.63
Carroll county stone	11,711.57
St. Genevieve stone	7,230.77
Sandstone cutting	15,739.67
Rubbing stone	1,623.96
Brick masonry on superstructure	10,826.29
Stone-setting on superstructure	2,898.11
Paints and oils	20.73
Roofing and guttering	8,761.30
Terra cotta work	5.10
Saltries	14,167.99
Expenses	532.31
Machinery and tools	977.05
Lot for heating works and sewer	8,192.09
Turrets—copper work	3,071.84
Heating and ventilating	510.53
Painting	108.62
Carpenter work	3,110.60
Lumber and timber	2,015.94
Railroad	731.89
Cleaning and pointing	740.97
Glass	118.65
Marble work	130.41
Fuel	6.15
Plumbing	300.00
Boiler-house, common labor on	700.20
Total expenditures from Nov. 1, 1879, to Nov. 30, 1880	\$ 122,310.95

EXHIBIT "E."

General statement of expenditures in detail, from December 1, 1880, to November 30, 1881.

Date of voucher.	No. of voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	AMOUNT.
1880.				
Dec.	2 2637	Des Moines Water Co.	Water	\$ 6.80
	8 2636	Fred Hass.	Sheet lead and copper	135.27
	21 2639	Sts. Genev. Sandstone Co.	Final estimate on stone	4,285.71
	33 2660	Board of Commissioners.	Per diem and expenses	164.75
1881.				
Jan.	4 2661	Phillip E. Hechtel	Brick	695.54
	4 2662	John G. Foote.	Per diem and expenses, S. of F.	64.55
	4 2663	Redhead & Wellsliager.	Manilla drawing paper	24.75
	4 2664	Chicago Lumber Co.	Lumber	31.79
	4 2665	Ed Wright.	Salary and expenses	203.10
	4 2666	R. S. Finkbine	Salary as Superintendent	375.00
	4 2667	Bell & Hackney	Salary as Architect	330.00
	4 2668	Ewing, Jewett & Chandler	Lumber	376.05
	4 2669	J. K. & W. H. Gilcrest	Lumber	39.44
	4 2670	Iowa School Furniture Co.	Lumber and sawing	23.85
	4 2671	A. C. Simonton, M. D.	Professional services	6.75
	4 2672	Eagle Iron Works	Cast iron and shop work	16.15
	4 2673	C. R. I. & P. R. Co.	Freight bills and repairs on track	213.40
	4 2674	John G. Foote, S. of F.	Pay-roll	1,984.00
	4 2675	T. H. Cady & Co.	Blossburgh coal	11.30
	4 2676	Mahn & Bades.	Roofing	134.28
	4 2677	Pioneer Coal Co.	Coal	50.85
	4 2678	S. A. Robertson	Cement	319.66
	5 2679	Holton Bros.	Tools, nails and hardware	196.71
	5 2680	S. A. Robertson	Stone and sewer pipes	173.60
	5 2681	Clifford Newman	Galvanized iron work	374.63
Feb.	1 3682	R. S. Finkbine	Salary as Superintendent	300.00
	1 3683	S. E. Loring, Treas.	Terra cotta work	173.60
	1 3684	Ed Wright	Salary as Secretary and expenses	215.65
	1 3685	Bell & Hackney	Salary as Architects	300.00
	1 3686	C. R. I. & P. R. Co.	Freight bills and repairs	163.18
	1 2687	Ward, Sessions & Ward.	Lime-oid oil	30.70
	1 2688	Ewing, Jewett & Chandler.	Lumber	652.86
	1 2689	Burg, Essick & Co.	Window frames and sash	14.89
	1 2690	Dubuque Times	Advertising	17.50
	1 2691	C. H. Ward	Paints and oils	12.20
	2 2692	John G. Foote, Supt.	Per diem and expenses, S. of F.	174.96
	1 2693	John G. Foote, Supt.	Pay-roll	3,800.17
	2 2694	J. K. & W. H. Gilcrest	Lumber	35.40
	2 2695	Chicago Lumber Co.	Lumber	26.00
	2 2696	Treasurer Polk county	Taxes for railroad right of way	109.80
	2 2697	Carter & Hussey	Blank books	4.80
	3 2698	Pioneer Coal Co.	Fuel	56.85
	3 2699	Eagle Iron Works	Wrought iron work	637.60
	26 2700	J. A. Fay & Co.	Mortising machine	48.00
March	1 3701	John G. Foote	Per diem and expenses, S. of F.	61.15
	1 3702	Bell & Hackney	Salary as Architects	250.00
	1 3703	Iowa School Furniture Co.	Machine work	104.85
	1 3704	R. S. Finkbine	Salary as Superintendent	300.00
	1 3705	Ed Wright	Salary as Secretary and expenses	230.25
	1 3706	Autman & Turner	Engine repairs	75.14
	1 3707	Iowa State Register	Advertising	40.15
	1 3708	J. K. & W. H. Gilcrest	Lumber	63.87
	1 3709	John G. Foote, Supt.	Pay-roll	3,412.33
	2 3710	Pioneer Coal Co.	Fuel	35.30
	2 3711	C. R. I. & P. R. Co.	Repairs and freight	13.75
	2 3712	Chicago Lumber Co.	Lumber	40.00
	23 3713	Board of Commissioners.	Per diem and expenses	363.00
April	5 2714	Bell & Hackney	Salary as Architects	265.00

EXHIBIT "E"—CONTINUED.

Date of voucher.	No. of voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	AMOUNT.
April	52715	R. S. Finkbine	Salary as Superintendent	\$ 260.00
	52716	Northwestern Brass Works	Throttle valve	10.00
	52717	Holland & New	Glass, paints, and painting	17.38
	52718	H. E. Cadby & Co.	Coal and lime	85.26
	52719	Grups & Turner	Repairs on boiler	128.85
	52720	Hedlund & Wellslager	Wall paper	5.05
	52721	J. D. Seeburger	Welding and coupling	71.25
	52722	H. E. Page, M. D.	Medical services	5.00
	52723	Des Moines post-office	Envelopes	16.30
	52724	Bolton Brothers	Nails, hardware, and stove	140.30
	52725	Pioneer Coal Co.	Coal	224.10
	52726	J. K. & W. H. Gilcrest	Lumber	61.77
	52727	Chicago Lumber Co.	Lumber	6.00
	52728	Carter & Hussey	Letter-book and specifications	9.75
	52729	Ed Wright	Salary as Secretary and expenses	215.75
	52730	Iowa School Furniture Co.	Shop work on window frames	106.25
	52731	John G. Foote, Supt.	Per diem and expenses Supt. of Finance	64.85
	52732	C. R. I. & P. R. R. Co.	Freight bills	12.07
	52733	John G. Foote, Supt.	Pay-roll	4,967.77
	52734	Hopkins & Dickinson Co.	Axle-pulleys	1,310.72
	52735	Bell & Hackney	Salary as Architects	250.00
	52736	R. S. Finkbine	Salary as Superintendent	300.00
	52737	Hopkins & Dickinson Co.	Letter-books	52.93
	52738	C. H. Ward & Co.	Paints	2.00
	52739	Grups & Turner	Engine repairs	7.90
	52740	Drake & Stephenson	Paint brushes	13.85
	52741	Parks & Co.	Tallow	34.95
	52742	W. A. Hasmer	Kerosene oil and salt	49.55
	52743	T. H. Cadby & Co.	Lime	77.06
	52744	Frederick Hass	Sheet and pig lead	84.90
	52745	Bolton Brothers	Tools, iron and hardware	76.00
	52746	Aug. Tomberg	Hooks	4.40
	52747	Iowa School Furniture Co.	Shop work	39.63
	52748	Ed Wright	Salary as Secretary and expenses	215.88
	52749	John G. Foote	Per diem and expenses Supt. of Finance	64.45
	52750	H. E. & P. R. R. Co.	Freight bills	250.00
	52751	Ewing, Jewett & Chandler	Lumber	818.68
	52752	J. K. & W. H. Gilcrest	Lumber	18.21
	52753	Des Moines Water Works	Water	6.72
	52754	Aulman & Turner	Engine repairs	10.74
	52755	John G. Foote, Supt.	Pay-roll	4,467.03
	52756	Frederick Hass	Copper for dome contract	6,746.45
	52757	R. S. Finkbine	Salary as Superintendent	300.00
	52758	John G. Foote	Per diem and expenses Supt. of Finance	65.45
	52759	Bell & Hackney	Salary as Architects	250.00
	52760	Ed Wright	Salary as Secretary and expenses	211.50
	52761	J. K. & W. H. Gilcrest	Lumber	95.63
	52762	Chicago Lumber Co.	Lumber	118.70
	52763	T. H. Cadby & Co.	Lime and cement	317.23
	52764	C. H. Ward & Co.	Freights	227.48
	52765	Frederick Hass	Copper for dome contract	427.27
	52766	Pioneer Coal Co.	Coal	161.66
	52767	Yale Lock Mfg'g Co.	Sample locks	35.43
	52768	Robinson	Advertising	17.50
	52769	W. & R. Turner	Repairing boiler	13.80
	52770	Des Moines Brick & T. Co.	Tiling	6.00
	52771	Bolton Brothers	Nails, hardware, and tools	127.92
	52772	Iowa School Furniture Co.	Sawing and dressing lumber	12.04
	52773	C. H. Ward & Co.	Oil and lead	65.71
	52774	Frederick Hass	Materials for dome contract	2,638.45
	52775	John G. Foote, S. of F.	Pay-roll	8,411.43
	52776	Hawkeye Planing Mills	Blocks and dressing lumber	104.24
	52777	Ewing, Jewett & Chandler	Lumber	464.04
	52778	C. H. Ward & Co.	Paints and oils	39.08
	52779	Tom Braden	Scale	84.00
	52780	D. A. Shaffer	Stone	588.65
	52781	C. R. I. & P. R. R. Co.	Freight bills	270.86
	52782	Frederick Hass	Copper work	9,930.35
	52783	Board of Commissioners	Per diem and expenses	249.71
	52784	Gilbert Hubbard & Co.	Wire rope	115.25

EXHIBIT "E"—CONTINUED.

Date of voucher.	No. of voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	AMOUNT.
1881.	12755	Jan. H. Osgood & Co.	Advertising	\$ 12.25
June	12756	S. B. Tuttle	Sewer pipe and cement	14.10
	12757	Hann & Carver	Advertising	17.50
	12758	Weaver & Main	Paints, oils and tools	153.82
	12759	Bechtel & Manthorpe	Brick	119.22
	12760	Morris & Daugherty	Brick	250.00
July	12761	Bell & Hackney	Salary as Architects	270.00
	12762	R. S. Finkbine	Salary as Superintendent	65.10
	12763	John G. Foote	Per diem and expenses, S. of F.	234.63
	12764	Ed Wright	Salary as Secretary and expenses	1,231.95
	12765	C. R. I. & P. R. Co.	Freight bills	180.58
	12766	Chicago Lumber Co.	Lumber	9.70
	12767	C. H. Ward	Paints and oils	89.43
	12768	Bolton Brothers	Nails, iron and hardware	271.26
	12769	Hawkeye Planing Mill	Mill work on sash and frames	167.22
	12770	Des M. Brick and Tile Co.	Tile for drainage	20.09
	12771	Des Moines Water Co.	Wants, rope and clamps	3.70
	12772	Drake & Stephenson	Paints and oils	13.00
	12773	Gazette Co.	Advertising	24.90
	12774	J. K. & W. H. Gilcrest	Lumber	288.10
	12775	Chicago Lumber Co.	Lumber	448.98
	12776	T. H. Cadby & Co.	Lime, cement and coal	195.23
	12777	Ewing, Jewett & Chandler	Lumber	6,945.36
	12778	John G. Foote, Supt.	Pay-roll	762.72
	12779	A. Robertson	Brick	1,098.84
	12780	Shackelford & Fredregill	Brick	5,668.30
Aug.	12781	B. F. Haugh	Dome iron work	71.35
	12782	John G. Foote	Per diem and expenses, S. of F.	250.00
	12783	Bell & Hackney	Salary as Architects	300.00
	12784	R. S. Finkbine	Salary as Superintendent	6.50
	12785	Carter & Hussey	Letter-heads and blanks	9.79
	12786	J. K. & W. H. Gilcrest	Lumber	274.45
	12787	Hawkeye Planing Mill	Machine work on sash	342.02
	12788	Ed Wright	Salary as Secretary and expenses	21.80
	12789	J. D. Seeburger	Nippers and wire	49.50
	12790	D. Kimbark	Forge	145.96
	12791	C. H. Ward & Co.	Oil	10.26
	12792	Hann & Manufacturing Co.	Lime, cement and coal	48.68
	12793	C. R. I. & P. R. R. Co.	Freights	49.21
	12794	Walworth Mfg'g Co.	Gas fittings	1,050.07
	12795	Forest City Stone Co.	Stone for steps	145.96
	12796	Bolton Brothers	Tools, iron and hardware	476.98
	12797	Fred Hass	Copper work	628.69
	12798	Chicago Lumber Co.	Lumber	8.00
	12799	S. B. Tuttle	Tile and cement	6,293.07
	12800	John G. Foote, Supt.	Pay-roll	1,010.14
	12801	Morris & Daugherty	Brick	10.62
	12802	Des Moines Water Co.	Water	339.00
	12803	R. S. Finkbine	Salary as Superintendent	250.00
	12804	Bell & Hackney	Salary as Architects	210.00
	12805	Ed Wright	Salary as Secretary and expenses	157.07
	12806	Weaver & Mash	Paints, oils and brushes	15.00
	12807	The Democrat Co.	Advertising	10.10
	12808	Aulman & Turner	Tools and iron	12.57
	12809	J. D. Seeburger	Brick	13.70
	12810	Fred Hass	Copper	521.04
	12811	N. E. Cooley	Brick	450.80
	12812	Fred Hass	Copper	657.49
	12813	Chicago Lumber Co.	Lumber	25.00
	12814	Hawkeye Co.	Per diem and expenses, S. of F.	65.45
	12815	John G. Foote	Per diem and expenses, S. of F.	62.74
	12816	Bolton Brothers	Tools, nails and hardware	507.57
	12817	N. E. Cooley	Brick	666.76
	12818	T. H. Cadby & Co.	Cement and lime	62.00
	12819	J. K. & W. H. Gilcrest	Lumber	577.83
	12820	C. R. I. & P. R. R. Co.	Freights	25.50
	12821	D. Carr	Sand	39.75
	12822	S. Right	Sand	39.75

EXHIBIT "E"—CONCLUDED.

Date of voucher.	No. of vouchers.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	AMOUNT.
1881.				
August 31	2837	John G. Foose, Super.....	Pay-roll.....	\$ 7,017.91
Sept.	2838	Jones & Mills.....	Hauling.....	176.36
	12377	Berg & Basch.....	Shop work.....	4.00
	2458	Carter & Hussey.....	Blank books.....	6.00
	2839	W. G. Haag.....	Bricks.....	1,004.05
	2840	S. B. Tuttle.....	Portland cement.....	117.00
	2841	The Hawkeye Company.....	Advertising.....	5.00
	2862	Hawkeye Planing Mill.....	Mill work and frames.....	292.04
	9284	Esing, Jewett & Chandler.....	Lumber.....	41.43
	9284	Des Moines Water Co.....	Water for August.....	16.83
	102805	Board of Commissioners.....	Per diem and expenses.....	183.90
	312866	W. G. Haag.....	Bricks.....	149.13
October	5287	John G. Foose.....	Per diem and expenses, S. of F.....	72.65
	5287	N. S. McDonnell & Co.....	Engine repairs and iron work.....	103.09
	5288	Jones & Mills.....	Hauling.....	48.69
	5279	Argillo Works.....	Fire brick and clay.....	164.50
	5271	Fred. Haas.....	Copper work and sheet lead.....	92.79
	5273	Clifford Newman.....	Galvanized iron.....	190.90
	5273	Chicago Lumber Co.....	Lumber.....	199.71
	5274	C. R. I. & P. R. Co.....	Freight bills.....	135.37
	5275	Ed Wright, Secretary.....	Buoy bills paid.....	1,427.45
	5274	J. Hallehan.....	Hauling.....	159.75
	5277	E. I. Wright.....	Salary as Secretary.....	301.00
	5278	H. S. Finkbine.....	Salary as Superintendent.....	270.00
	5279	Bell & Hackney.....	Salary as Architects.....	250.00
	5280	Bulton Brothers.....	Iron, tools and hardware.....	106.29
	5281	Hawkeye Planing Mill.....	Mill work and frames.....	94.06
	5282	J. K. & W. H. Gilest.....	Lumber.....	103.74
	5283	Francis Gensser.....	Brick.....	573.98
	5284	R. C. Wynn.....	Kerosine oil.....	3.55
	5285	Alman & Turner.....	Tools and washers.....	39.32
	5286	Capital City Gas-light Co.....	Lowering gas pipe.....	61.74
	5287	Des Moines Post-Office.....	Envelopes.....	32.60
	5288	T. H. Cady & Co.....	Cement, lime and fuel.....	947.39
	5289	F. J. St. City Stone Co.....	Stone—retained per cent.....	938.54
	5290	G. W. McAll.....	Whitewash brushes.....	7.00
	5291	Davenport Gas-tile Co.....	Advertising.....	13.00
	5292	S. B. Tuttle.....	Portland cement.....	81.00
	5293	Hastin Steam Heater Co.....	Steam boilers and fronts.....	7,000.00
	5294	John G. Foose, S. of F.....	Pay-roll.....	7,972.65
	5295	J. D. Seeburger.....	Bronze screws.....	45.30
	5296	Hahn & Rhoads.....	Rolling.....	94.16
	5297	S. B. Tuttle.....	Portland cement.....	86.00
	5298	Argillo Works.....	Fire clay and brick.....	69.00
	5299	Mills & Abell.....	Detail paper.....	16.16
	5300	Berg, Basch & Co.....	Mill work on sash and frames.....	389.89
	5301	T. H. Cady & Co.....	Coal, cement and lime.....	470.47
	5302	Chicago Lumber Co.....	Lumber.....	889.62
	5303	J. K. & W. H. Gilest.....	Lumber.....	32.18
	5304	Hawkeye Planing Mill.....	Mill work on sash and frames.....	31.47
	5305	R. S. Finkbine.....	Salary as Superintendent.....	300.00
	5306	Bell & Hackney.....	Salary as Architects.....	250.00
	5307	Ed Wright.....	Salary as Secretary.....	200.00
	5308	John G. Foose.....	Per diem and expenses, S. of F.....	63.40
	5309	Ed Wright, Secretary.....	Cash paid for material.....	341.18
	5310	C. R. I. & P. R. Co.....	Freights.....	329.66
	5311	Bulton Brothers.....	Nails, screws and iron.....	111.22
	5312	De Jure & Stephenson.....	Brooms, sponge and lamplack.....	3.97
	5313	Bell & Hackney.....	Salary as Architects.....	250.00
	5314	R. S. Finkbine.....	Salary and expenses as Superintendent.....	317.50
	5315	Ed Wright.....	Salary as Secretary.....	200.00
	5316	John G. Foose.....	Per diem and expenses, S. of F.....	65.00
	5317	Jones & Mills.....	Drayage.....	59.43
	5318	Pioneer Coal Company.....	Fuel.....	7.40
	5319	Capital City Ice Co.....	Ice for season.....	9.50
		Total.....		\$ 135,894.43

EXHIBIT "F."

General statement of cash received in the year 1881, and to what class credited.

ARTICLES.	TO WHAT CLASS CREDITED.	AMOUNT.
Spawls sold.....	Carroll county stone.....	\$ 3.50
Stone sold.....	Ste. Genevieve stone.....	13.51
Forest City stone sold.....	Stone.....	27.04
Use of wagon.....	Tools.....	\$ 2.00
Old steel points and files sold.....	Tools.....	9.85
		11.85
Old zinc sold.....	Patterns.....	1.00
Cuttings sold.....	Lumber.....	1.80
Bridge and ties sold.....	Railroad.....	115.27
Brick sold.....	Brick.....	3.00
Fixing Railroad Commissioners' office.....	Carpenter work.....	11.30
Freights refunded.....	Heating and ventilating.....	1.10
Not called for on pay-roll.....	Stone cutting.....	3.80
Not called for on pay-roll.....	Iowa City quarry.....	4.87
Not called for on pay-roll.....	Stone.....	4.10
Not called for on pay-roll.....	Extra handling stone.....	3.75
Not called for on pay-roll.....	Wrought-iron work.....	2.62
		\$ 208.51
Amount previously reported.....		1,906.14
Total.....		\$ 2,114.65

EXHIBIT "G."

Classified statement of expenditures from December 1, 1880, to November 30, 1881.

ON WHAT ACCOUNT.	AMOUNT.
Excavation and drainage.....	\$ 2,085.86
Sand.....	136.30
Concrete, labor on.....	498.00
Printing and advertising.....	221.80
Patterns and models.....	156.75
Water.....	70.46
Iowa City quarry.....	—4.87
Cash from sales of rejected material.....	208.51
Board of Commissioners.....	961.36
Iron and steel.....	43.78
Cast iron work.....	30.12
Lime.....	477.90
Carroll county stone.....	4.20
Ste. Genevieve stone.....	4,272.20
Sandstone cutting.....	680.30
Rubbing stone.....	2,862.80
Accidents.....	11.75
Extra handling stone.....	—3.75
Brick-masonry on superstructure.....	7,906.28
Stone-setting on superstructure.....	2,831.88
Paints and oils.....	605.73
Roofing and guttering.....	22,178.20
Terra cotta work.....	1,137.10
Salaries.....	11,537.15
Expenses.....	353.38
Machinery and tools.....	1,503.30
Heating and ventilating.....	10,057.97
Painting.....	913.08
Carpenter work.....	11,068.89
Lumber and timber.....	6,471.83
Railroad.....	—27.00
Fuel.....	937.43
Glass.....	53.33
Stone—limestone and granite.....	4,436.65
Roller-house, common labor on.....	76.55
Nails and hardware.....	2,011.35
Stone cutting—limestone and granite.....	18,382.99
Wrought iron work.....	8,326.69
Gas-fitting.....	450.66
General labor.....	1,137.17
Cement.....	3,188.97
Brick.....	6,896.17
	\$35.71
Less reduction from sales and charged to cash.....	35.71
Total.....	\$ 135,884.43

EXHIBIT "H."

Classified statement of expenditures from the commencement of the work to November 30, 1881.

ON WHAT ACCOUNT.	AMOUNT.
Plans.....	\$ 4,276.47
Excavation and drainage.....	10,174.83
Cistern.....	1,512.12
Sand.....	7,110.05
Repairs on first foundation.....	52,343.76
Stone masonry.....	14,711.21
Brick masonry.....	7,789.80
Concrete, labor on.....	6,594.50
Printing and advertising.....	2,850.10
Patterns and models.....	4,105.99
Water.....	1,563.41
Rubble masonry.....	4,765.97
Iowa City quarry.....	66,853.23
Brick work, basement.....	17,100.37
Stone-setting, basement.....	6,149.37
Cash.....	2,114.65
Board of Commissioners.....	18,202.00
Water pipe and meter.....	806.67
Iron and steel.....	684.11
Cast iron work.....	3,292.47
Lime.....	6,147.37
Carroll county stone.....	139,084.00
Ste. Genevieve stone.....	147,491.10
Sandstone cutting.....	207,413.79
Rubbing stone.....	26,095.01
Accidents.....	292.18
Extra handling stone.....	2,244.46
Brick masonry on superstructure.....	88,890.60
Stone-setting on superstructure.....	43,744.04
Paints and oils.....	1,934.47
Roofing and guttering.....	67,025.43
Terra cotta work.....	3,893.68
Salaries.....	111,253.26
Expenses.....	3,287.95
Machinery and tools.....	28,701.49
Lot and sewer.....	9,600.59
Turrets—copper work.....	22,205.27
Heating and ventilating.....	12,061.10
Painting.....	1,228.45
Carpenter work.....	28,914.05
Lumber and timber.....	42,450.13
Railroad.....	16,475.63
Fuel.....	7,150.07
Cleaning and pointing.....	236.77
Glass.....	519.13
Marble work.....	6.15

EXHIBIT "H"—CONTINUED.

ON WHAT ACCOUNT.	AMOUNT.
Plumbing	\$ 300.00
Stone—limestone and granite.....	132,532.23
Boiler-house, common labor on	875.75
Nails and hardware	3,305.58
Stone-cutting, limestone and granite	133,138.86
Wrought iron work	122,708.95
Gas-fitting	459.86
General labor.....	5,317.79
Cement.....	45,315.42
Brick.....	130,179.63
Total	\$ 1,834,553.88

EXHIBIT "I."

RECAPITULATION.

Condensed statement of expenditures and appropriations.

Chapter 110, Laws of the Thirteenth General Assembly.....	\$ 150,000.00	
Chapter 35, General and public laws of the Fourteenth General Assembly, being \$100,000 for the year 1872, and \$125,000 for each of the years 1873, 1874, 1875, 1876, 1877, 1879, 1880 and 1881.....		1,225,000.00
Chapter 68, Local laws of the Fifteenth General Assembly.....		125,000.00
Chapter 151, Laws of the Sixteenth General Assembly.....		250,000.00
Chapter 138, Laws of the Seventeenth General Assembly.....		75,000.00
Chapter 138, Laws of the Seventeenth General Assembly for lot and sewer—special appropriation.....		10,000.00
		\$1,835,000.00

EXPENDITURES.

Exhibit "A." Classified statement of the aggregate expenditures to October 31, 1879.....	\$ 1,576,408.50	
Exhibit "B." General statement of expenditures from November 1, 1879, to November 30, 1880.....		122,310.95
Exhibit "E." General statement of expenditures from December 1, 1880, to November 30, 1881.....		135,834.43
		1,834,553.88
Balance unexpended November 30, 1881....		\$ 446.12
Balance general appropriation unexpended.....	\$ 46.71	
Balance special appropriation for lot and sewer unexpended.....	399.41	
	\$ 446.12	\$ 446.12

NUMBER FOUR.

REPORT OF THE ARCHITECTS.

ARCHITECTS' OFFICE, NEW CAPITOL, }
DES MOINES, IOWA. }

To the Board of New Capitol Commissioners:

GENTLEMEN—In presenting for your consideration our third biennial report upon the construction of the New Capitol, we are able to see in practical execution the parts of the same which have occupied our attention, chiefly since the date of our last report. During this time, the work performed gives evidence of the most careful execution and faithful following of the plans. It is a source of much gratification to us, as we have seen from day to day the developing and completing of designs that we have studied with a view of gaining true symmetry and outline of proportion. With the completion of the main central dome, and the approaches to the building, we are enabled to see, what has heretofore been seen only in the imagination and upon paper, the exterior of the building completed. Whether we have succeeded in obtaining what was sought in our designs we leave for others to decide, feeling confident that those who are the most capable of criticising the building as an architectural design, will agree with us that we have not altogether failed in our efforts. Upon the whole, the work has been executed thus far within the amounts estimated for each class of work, notwithstanding, prices of both labor and material have fluctuated very materially in value. We feel that no small factor in the results already attained, has been the careful consideration by the Board of all the details of the work in advance of its execution, and it will be apparent to any one capable of appreciating the best interests of the building, that this consideration, given by your Board to our plans, has enabled you to more fully understand our motives, both in design and in the use of materials, and that we have aimed at the best possible results for the good of the building. That mistakes have occurred, we do not dispute—they have occurred in other buildings before our time, and the architect who would claim to be proof against error in judgment and figures, gives the best of evidence of not having had an opportunity to do so.

The building stands now practically enclosed, and ready for the finishing of the interior. Here again, we desire to call the attention of the Board to the importance of employing only such material as shall

be durable and consistent with the exterior already completed. In our judgment, no more serious mistake could be made, than to put into the interior finish, a class of materials easily defaced, perishable, and only temporary. Nothing has been more justly criticised by the people of the State of Illinois, than the perishable materials employed as interior finish for their new capitol. We do not wish to be understood as advocating an elaborate class of finish, but such as shall be durable, consistent, and satisfactory in the end.

As your architects, therefore, it becomes our duty to recommend only materials which shall be appropriate and durable, without experimenting in uncertainties, and the employment of such labor as shall give the results desired. Experience heretofore obtained shows that we will obtain the most satisfactory results, in the branches of the work yet to be executed, by employing men by the day to work for the direct interests of the State under the direction of the Superintendent. Contractors, accustomed to ordinary work in plastering, would be lost in executing the class of work that should be performed under this head. Also, in laying the tiling men should be employed to work for the State instead of the contractor, as first-class work can only be obtained in this way. Again, when it comes to the question of painting the walls and ceilings, and of finishing the wood work, the objections to giving the work to the lowest bidder, by contract, are intensified—only artisans and skilled specialists, with a reputation at stake, and in the employ of the State, should be allowed to work upon this branch of interior finish. This, in our judgment, is true economy and the only way to obtain work that should be the final finishing of the New Capitol.

We, therefore, believe it all important that a way should be devised by which the Board can be allowed discretion in these important matters, so vital to a successful termination of the work. Regarding the materials that should form the interior finish, we recommend to the Board that the plastering be done with cinders, properly ground and mixed with plaster of paris, finishing with a sanded surface to receive the painting. The lath used upon all the ceilings and bracketings should be halved, and nailed to break joints. The floors of corridors, rotundas, vaults, and principal offices outside of the counters, the library, and water-closets and other parts used by the public, should be laid with marble, or encaustic tiling. Marble mantels should be constructed of special designs in keeping with the finish of all the different offices. The wainscoting, also, of the principal offices, corridors, House and Senate Chambers, and the principal stairs from principal to House and Senate floor, should be of marble. The window-casings, doors, and other finish should be in hard wood finishing, the natural colors of the wood. The cornices and embellishments of the interior of dome should be done in light metal work, while the cornices of the principal rooms and offices should be in stucco, with embellishments painted in durable colors. The hardware throughout should be of bronze of the most durable and substantial make. The subject of furniture is one which can scarcely be considered apart from the inside finishing. While it is in no sense a part of the building, it is not difficult to see that furniture, in the general sense of the term, and now in market for general use throughout the country, would be

out of keeping with the finish of nearly all the different rooms. The necessities and requirements of each department of State should have furniture designed and constructed suitable for its workings, and consistent with the finish of rooms forming the department. The kinds of wood entering into counters, desks, chairs, cases and other furniture; the colors in carpetings, window curtains, and screens, should be especially selected to blend with the finish of the rooms, and the painted walls and ceilings. In many important public buildings, this subject has been wholly overlooked, and the furnishing left to parties entirely without taste or judgment in such matters, thus sacrificing, in reality, the effects produced by architects and artisans combined.

The question of when the New Capitol is to be completed is one to be considered at this time, for the purpose of determining the system under which the work should be advanced to that desirable end. Upon this question we cannot do better than to quote our late predecessor, Mr. Piquenard, who, in his report to your Board for the years 1872 and 1873, submitted the following: "I consider it a part of my duty as the Architect of the building, to recommend your Board to call the attention of the next General Assembly, through the Governor, to the fact, that it would be to the best interests of the State to have an appropriation sufficient to push the work with more force and vigor. The general expense will be the same per year if we do work to the amount of \$300,000 instead of \$125,000."

Most respectfully submitted, by

BELL AND HACKNEY,
Architects of the New Capitol.

NUMBER FIVE.

REPORT OF COMMITTEE ON LIGHTING THE BUILDING AND
GROUNDS WITH ELECTRICITY.

To the Board of New Capitol Commissioners:

GENTLEMEN—Your committee appointed to investigate the subject of lighting the new Capitol by electricity, submit the following report:

We have corresponded with the different manufacturers of electric lighting apparatus with a view of gaining a full description in detail of each different system, and giving each manufacturer or electrician an opportunity to set forth his claim of superiority in any particular that he chose. The subject being a new one, your committee have, so far, been unable to determine which one of the different apparatus manufactured or patented is the best, or nearest to what may be termed successful lighting. We find that none are without serious objections, such as the unsteadiness of the light, and its intensity, or dazzling effect upon the eyes. So far these objections have not been overcome, and while the principal buildings of the large cities are employing electric light, the question is still an open one whether the light can be employed throughout such a building as our new Capitol and successfully compete with gas in all its details. This question we believe can best be solved by those who have used the light, and who have had the opportunity of studying its workings and computing its cost and service. As a committee, we do not believe it possible to dispense with gas, and the building should, in our opinion, be prepared for gas throughout, as the expense is small, and at such time as the electric light is perfected so as to replace gas it can easily be employed in the different parts of the building.

The information we have secured so far leads us to believe that the hall of representatives and senate chamber, the large library, corridors, inside of dome, the lantern of dome, and grounds, can be successfully and economically lighted with electricity. The apparatus can readily be placed in the boiler-room, where the power to run the engine is located, and the wires run to the different lamps located properly to light the different apartments mentioned.

For illuminating purposes it would seem desirable to light the departments mentioned by this means, if at the time that the light shall become necessary for use in the building it shall be found both economical and practical in its operations. Your committee feel that the efforts being made by the different inventors of electric light will eventually result in success, and having the subject under advisement,

the cost of the entire apparatus and its utility should be carefully compared with gas, and also the cost of maintaining it from year to year. When it shall become necessary to put the lighting apparatus in the building, we believe that a personal examination of the different lights in use will be the surest mode of obtaining the information necessary to decide as to the merits of the different systems of electric lighting.

We herewith submit a statement from one of the manufacturers of electric lighting apparatus, after having received from us a description of the building: "It will, without doubt, require not less than 1,000 lamps of 16 candle power, and with that number as a basis we would make the following statement: Cost of engine and boiler, dynamo machine, lamps, sockets, and all wire, and other apparatus necessary for supplying a current for 1,000 lamps, each 16 candle power, \$18,000."

All of which is most respectfully submitted.

CYRUS FOREMAN,
JOHN G. FOOTE,
BELL & HACKNEY,
Committee.

NUMBER SIX.

REPORT OF COMMITTEE APPOINTED TO CONTRACT WITH
THE CITY OF DES MOINES FOR THE USE OF THE CITY
SEWERS.

JUNE 17, 1880.

To the Board of Capitol Commissioners:

GENTLEMEN — The undersigned committee, appointed February 20, 1880, to contract with the city of Des Moines for the use of the city sewers, for the sewerage of the Capitol and premises, report: That they submitted the matter to Attorney-General McJunkin, who prepared a contract, and advised us that it was necessary for the city council of Des Moines to pass an ordinance authorizing such contract to be made. We submitted the contract and the opinion to the committee of the city council. We herewith present a certified copy of an ordinance authorizing a contract with the Capitol Commissioners, together with the draft of contract agreed on by your committee and the committee of the city council.

It will be seen that the amount to be paid said city is blank in the contract. We would suggest that your committee be authorized to fill said blank with such sum as may be agreed on with the city, provided it does not exceed the amount of the estimated cost of said sewer if built solely for the use of the Capitol, which estimate is attached; and that when said contract is completed, as above, the President and Secretary of the Board of Commissioners be authorized to execute said contract.

PETER A. DEY,
R. S. FINKBINE,
Committee.

The report was approved, and the committee directed to complete the contract as recommended by the report.

ESTIMATED COST OF A SEWER FROM THE CAPITOL GROUNDS
TO THE DES MOINES RIVER, FOR THE SOLE USE OF THE
CAPITOL.

3200 lineal feet of 18-inch sewer	\$ 2,780.00
40 lineal feet of 18-inch iron pipe.....	220.00
2000 yards excavation, at 25 cents	900.00
Traps and vents	110.00
Laying pipe.....	325.00
Rip-rap to secure iron pipe	75.00
Contingencies	440.00
Total	\$ 4,850.00

R. S. FINKBINE, *Superintendent.*

AN ORDINANCE authorizing the making of a contract between the city of Des Moines and the Board of Capitol Commissioners of the State of Iowa, for the purpose of drainage and sewerage of the new Capitol building and grounds.

SECTION 1. *Be it ordained by the City Council of the city of Des Moines, Iowa,* That the Mayor and Sewer Committee be hereby authorized to enter into a contract with the State of Iowa, or the Board of Capitol Commissioners of the State of Iowa, for the use of the sewers of the city of Des Moines, by the State of Iowa, for the purpose of drainage and sewerage of the new Capitol building and grounds, upon the payment of such compensation therefor as may be agreed upon by them.

I, W. D. Christy, City Clerk, do hereby certify that the foregoing ordinance was passed June 11, 1880, and published in the *Daily State Leader* June 14, 1880.

[SEAL.]

W. D. CHRISTY, *City Clerk.*

SEPTEMBER 7, 1880.

Mr. Finkbine submitted the following report, which was read, approved, and ordered on the record:

Board of Capitol Commissioners:

The committee appointed at the June meeting of this board, to confer with the city council, would respectfully report: That on the tenth of July they made the contract herewith submitted with the Mayor and Committee on Sewerage, which was duly signed by the President of this board; that on the first day of September, the sewer having been completed in accordance with the contract, and all the provisions of the same having been complied with, a State Auditor's warrant for \$4,850 was issued to the city, and the receipt therefor by the City Treasurer appended to the contract.

All of which is respectfully submitted.

R. S. FINKBINE,
PETER A. DEY,
Special Committee.

DES MOINES, IOWA, July 22, 1880.

HON. JOHN H. GEAR, *President Board of Capitol Commissioners:*

The committee appointed at the last meeting of the Board to confer with the city council of Des Moines, or a committee thereof, in reference to the amount to be paid said city by the Capitol Commissioners, for the use of the city sewers, herby report,

That they have agreed on the sum of \$4,850 as the amount to be paid, and present to you the contract agreed on with the city authorities for execution, as provided in the resolution of the Board of Commissioners, adopted June 17, 1880.

R. S. FINKBINE,
For the Committee.

CONTRACT.

WHEREAS, The Board of Capitol Commissioners of the State of Iowa are, by chapter one hundred and twelve (112), of the acts of the Eighteenth (18) General Assembly of said State, empowered to contract with the city of Des Moines, for the use of the sewers of said city, for the purpose of the drainage and sewerage of the new Capitol building; and,

WHEREAS, The city council of said city of Des Moines, by an ordinance passed on the eleventh day of June, A. D. 1880, authorized the mayor and sewer committee of said city to contract with the said Board of Capitol Commissioners, whereby said city, in consideration of the sum of money, to be, by said mayor and sewer committee, and said Capitol Commissioners, agreed upon, to be paid to said city, in accordance with the provisions of said chapter one hundred and twelve, will furnish to said State of Iowa the necessary sewerage and drainage for the new Capitol building and premises, from the east side of Ninth Street, and through the intercepting sewer to the Des Moines River.

Therefore, *know all men by these presents,* that, in consideration of the foregoing premises, and the sum of forty-eight hundred and fifty (\$4,850) dollars, to be by the State of Iowa, paid through said Board of Commissioners as hereinafter stated, the said city of Des Moines hereby agrees to furnish to the State of Iowa the necessary and proper sewers for the sewerage and drainage of the said new Capitol building and grounds, through the sewers of said city, from the east side of Ninth Street, through Locust Street and the intercepting sewer to the Des Moines River; and to perpetually keep the same in repair for the drainage of said premises, without any other or further cost or expense to said State of Iowa. And that in consideration of which the said State of Iowa, through said Board of Capitol Commissioners, hereby agree to pay said city of Des Moines the sum of forty-eight hundred and fifty dollars, the same to be paid when said sewers shall be constructed and in proper condition for use.

In testimony whereof the mayor of said city, and its sewer committee, and said Capitol Commissioners, have hereunto fixed their signatures this tenth day of July, A. D. 1880.

Wm. H. MERRITT, *Mayor.*

M. H. KING,
C. P. HOLMES,
J. J. WILLIAMS, } *Committee on Sewers.*

JOHN H. GEAR,
Governor and ex officio President Board of Commissioners.

ATTEST:

ED WRIGHT, *Secretary Board of Capitol Commissioners.*

Received, Des Moines, September 1, 1880, of the Capitol Commissioners, a State Auditor's warrant for forty-eight hundred and fifty dollars, as provided in the foregoing contract.

J. C. PAINTER,
City Treasurer.

The original contract was delivered to the Secretary of State, and is on file in his office.

SEVENTH BIENNIAL REPORT

OF THE

BOARD OF COMMISSIONERS

OF THE

IOWA HOSPITAL FOR THE INSANE

AT

INDEPENDENCE,

TO THE

NINETEENTH GENERAL ASSEMBLY.

PRINTED BY ORDER OF THE GENERAL ASSEMBLY.

DES MOINES:
F. M. MILLS, STATE PRINTER.
1882.