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SECOND AND THIRD BIENNIAL REPORTS

OF THE

BOARD

OF

CAPITOL COMMISSIONERS

TO THE

Governor of Iowa.

JANUARY 1, 1874, AND NOVEMBER 30, 1875.

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



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## CAPITOL COMMISSIONERS' REPORT.

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

The Commissioners appointed by the act of the Fourteenth General Assembly, entitled "an act to amend the act to provide a State Capitol, approved April 13th, 1870, and making an appropriation therefor," and charged with the execution of the provisions of law in respect to the erection of the Capitol, respectfully submit the following report:

The first meeting of the Commissioners, called by the Governor, took place on the 17th day of April, 1872. A. R. Fulton, Secretary of the preceding Board, was continued in office till February 1, 1873, when he having resigned, Ed Wright was elected in his place, and now continues to hold the office.

The first duty imposed on the Commissioners by the law by which they were appointed, is defined in these words: "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." This duty the Commissioners proceeded, at once, to discharge. On an inspection of the face of the wall as it stood, many of the stone appeared to be broken or burst by the action of the frost during the winter. Some of the broken stone were at the bottom of the wall, others were so distributed through it, that in order to remove the defective stone, it was necessary to take down nearly the whole wall; when this was done, much of the stone showing an unbroken face was found crumbling to pieces and in a condition not much less dilapidated even than the others. Most of the stone in the foundation were from Rock Creek in Van Buren county, a highly argillaceous magnesian limestone, absorbing a large quantity of water and always in danger of being burst by the action of frost. Such blocks of this stone as remained



unbroken and apparently uninjured were similar in texture and chemical composition to those that were the most disintegrated, and all alike unsafe for the foundation of a massive structure designed to endure for a thousand years. The stone from the Bear Creek quarry, and a few others, were not affected by the frost, and now stand in the wall in a perfect condition. The Commissioners resolved that the Rock Creek stone were not fit for the foundation of the Capitol, and ordered them to be removed from the grounds; and they have all been removed, with the exception of five blocks, containing a little over three cubic yards, which were thought suitable to be retained in the wall.

The whole cost of taking down the wall and rebuilding it with good stone and removing the defective materials is \$52,353.76. A detailed account of the work, and of the expenditure of money in doing it, will be found in the joint report (which is herewith transmitted), to the Board, of the executive committee, and the superintendent of finance.

The Commissioners found upon entering on duty a subsisting contract with the old Board to furnish the stone for the foundation and cellar wall from the Bear Creek quarry, in Dallas county, for \$10.25 per cubic yard, entered into by Tuttle & Robertson, of Des Moines, who had constructed a railroad two and one-half miles in length, from the C. R. I. & P. R. R. to the quarry, at a great expense, and had commenced the delivery of stone; but, after delivering a small quantity of stone, the quarry failed and was abandoned, and the cost of the railroad became a total loss to the contractors; afterwards, with the consent of the old Board, they repaired to the Rock Creek quarry, in Van Buren county, and from that quarry furnished, still at a great loss to themselves, the stone before spoken of, which proved to be nearly worthless, but which nevertheless was approved and received by the local superintendent and the former Board as good stone, equal to the requirements of the contract, and by them placed in the wall. It was evident that Tuttle & Robertson, in consequence of the failure of the Bear Creek quarry, had already incurred heavy losses in their efforts to perform their contract, and that suitable stone could scarcely be obtained from any source for less than double the price stipulated in their contract, and to require them to furnish the stone at \$10.25 per cubic yard, would be likely to reduce them to poverty, and greatly impair the means of their sureties. Tuttle & Robertson were informed, however, that the Commissioners had no alternative but to insist on the contract. They appealed to the General Assembly. The result of their appeal was the passage of the following Joint Resolution:



*“Resolved, By the General Assembly of the State of Iowa, That the Board of new Capitol Commissioners shall have power to modify, or with the consent of the contractors, cancel the contract with Messrs. Tuttle & Robertson for the remainder of the stone, for the completion of the foundation and cellar walls of the new Capitol building, upon such terms as the Board shall deem just, and for the best interest of the State; but such Commissioners shall in no manner so modify or alter said contract so as to release said contractors from any damage sustained by reason of the poor material already furnished.”*

It appears from this resolution, that the General Assembly of Iowa did not think it was for the best interest of the State, to take advantage of the improvidence of Tuttle & Robertson in not foreseeing that the Bear Creek quarry would prove a failure, to appropriate their private property, or that of their sureties, to build the new Capitol. The Commissioners have sought to be governed by the spirit which dictated this resolution in making an arrangement under its authority with the contractors. The Commissioners saw the necessity of selecting some quarry, from which they could feel the strongest assurance that a sufficiency of stone could be procured that would stand every test as to its durability. From inquiries and personal examinations, the Commissioners became satisfied that such stone could be obtained from the old Capitol quarry near Iowa City, and from the quarries near Winterset, in Madison county. The stone from these quarries had been thoroughly tested and pronounced by the highest authority to be of the first quality. Tuttle & Robertson were invited to state the price for which they would furnish the stone from either of these quarries for the foundation of the Capitol, according to the specifications of their contract; the alternative of the Commissioners declining their proposition was to be the canceling of their contract. They possessed all the machinery and apparatus requisite for quarrying stone and could go into any quarry in the State, or elsewhere, with a considerable advantage over any competitor, and in case their contract should be canceled, their apparatus and machinery would remain useless on their hands. It was evident, that it was much for their interest to make their proposals so low, that the Commissioners would not be disposed to reject them and cancel their contract. They proposed to furnish the stone from the Winterset quarries at twenty dollars per cubic yard, and in case this proposition should be declined, they asked to have their contract canceled. It seemed to the Commissioners, that this proposition was not unreasonable; indeed, that they could scarcely expect one



much more favorable. It was an inducement to accept it, that if it should be declined, it would be necessary to advertise anew for proposals, and it would be so late in the season before a new contract could be made, that little or no work could be done before another year. The Commissioners therefore, determined to accept the proposition, and by authority of the Resolution above cited, to modify the contract accordingly, inserting therein the provision, that this modification "shall not release the contractors from any damage sustained by reason of the poor material already furnished."

The Commissioners have not been unmindful of that provision of the law which requires them to "direct all their action with a view to the completion of the building for the sum of one million five hundred thousand dollars," or of the oath taken by them, which exposes them to the pains and penalties of perjury, if by any action of theirs that sum is exceeded in the construction of the Capitol. The plans and specifications were virtually adopted by their predecessors and the execution of them actually commenced. The plans were indeed formally adopted by a vote of this Board, without any inquiry, or judgment, however, as to their merits, but, because their adoption was considered an accomplished fact. It was important for the Commissioners, if they should build the Capitol according to the plans which came to them from their predecessors, to know whether they would be in danger of transgressing the limit of expenditure fixed by law. Messrs. Cochrane & Piquenard, architects were instructed to prepare a careful and detailed estimate of the cost of the building according to the plans and specifications received from the old Board. They did so, and reported their estimate to the Board, which made the cost of the building \$1,420,981.50, without, however, including any estimate of the expense of supervision, which if it did not exceed \$79,000.00 would bring the estimate within the limit fixed by law. This estimate, together with the plans and specifications was referred to a committee consisting of Mr. Finkbine and Mr. Dey, with instructions to examine them and to report their opinion to the Board. In their report, (which is herewith transmitted,) they estimate the cost of the building according to the plans and specifications, including the expense of supervision, at \$1,584,115.59. The same committee were then instructed to inquire and report, whether it was advisable to reduce the cost of the building by diminishing its size. The committee in their report, (which is herewith transmitted,) advised against reducing the size of the building, and their report was adopted. The Board then determined, in order to reduce the cost of



the building within the limits prescribed by law, to change the plans and specifications, as follows : to change the cut stone cornice to galvanized iron ; the cut stone capitals to cast iron ; the grand stair case from marble to iron ; to put hard wood floors in the halls and corridors instead of marble ; to leave out the committee rooms over the library, and in the upper story of the east wing ; to change the glass from French plate to French cylinder, double thick or English chrystal. By making these changes, which is considered preferable to reducing the size of the building, the Board estimated that a saving would be effected of \$116,945.91, and the cost of the building brought within the limit fixed by law. But it should be distinctly understood, that these changes are not made in accordance with the taste of the Commissioners, they are made from necessity, not from choice. If the Legislature would place another hundred thousand dollars at the disposal of the Commissioners, they would be cheerfully abandoned. The conceptions of the great architects of ancient times, embodied in the orders of architecture and displayed in the capital of the column, and in the architrave, the frieze and the cornice of the entablature were designed to be executed in stone ; a cornice of galvanized iron or a capital of cast iron is an imitation and a counterfeit. The rooms over the library and in the upper story of the east wing can be constructed at a more convenient season, hereafter ; marble can be substituted at some future time, for iron in the grand stair case, and in the halls and corridors for wooden floors ; and an inferior kind of glass can be exchanged for that of a superior quality, but the iron cornice and the iron capitals can never be replaced by stone, but must remain disfigured by rust, to mar forever the beauty of the building and to exhibit to future ages the depraved taste of the present generation.

The old Board conducted the supervision of the work through the agency of an executive committee, the architects, a local superintendent, and their own Secretary. Their successors did not deem it expedient to alter materially their system of organization. The resignation of Judge Fulton of the office of Secretary and the election of Gen. Wright in his place have already been mentioned. Mr. Cochrane was obliged by the pressure of professional business in Chicago to resign his post, and, thereupon, Mr. Piquenard was appointed sole architect. Mr. Appleyard had been discharged at the closing of the work for the season in December, 1871.

The Board felt keenly the need of a competent person for overseer, and the difficulty of finding such a man. Mr. Robert S. Finkbine had been



strongly recommended to the attention of the Board by many intelligent citizens. But there was a seeming incompatibility in a man being commissioner and overseer at the same time, and by appointing one of their own colleagues, the Board might incur censure and the charge of favoritism. As the season was far advanced before an overseer was wanted, (it was passed the middle of June,) the Board concluded to carry on the work during the remainder of the year through the agency of an executive committee, and Mr. Fisher, Mr. Dey and Mr. Finkbine were appointed as such executive committee, and they invested Mr. Finkbine, as they were authorized to do by the Board, with all their authority, and he entered upon the work and discharged in the name of the committee the duties of local superintendent during the rest of the year. At the extra session of the Legislature in 1873 a knowledge of the scruples of the Board as to the appointment of one of their colleagues, came to the General Assembly, and they passed a Joint Resolution authorizing the Board to appoint one of their own members local superintendent or overseer, and immediately afterwards Mr. Finkbine was unanimously elected to that office, and his annual salary established at three thousand dollars, which includes his compensation and traveling expenses as commissioner.

At the same time, the executive committee mentioned above was appointed, Mr. Foote was appointed a committee to act as superintendent of finance, with the duty of auditing and signing all vouchers for the auditor, "and in arranging for the disbursements in the construction of "the State Capitol."

There were found on file in the office of the Board at their first meeting, proposals sealed and unopened for furnishing two millions of brick according to the advertisement of the old Board. On opening the bids, the bid of Janes & Redhead, at \$11.20 per thousand, was found to be the best as to price and quality, and was adopted, and a contract was ordered to be made with them according to the advertisement and specifications.

Notice having been advertised for proposals to furnish granite for the base course of the wall, two bids were received, one from David and James Gibson, at \$1.35 per cubic foot, and one from David Armstrong, at \$1.47½ per cubic foot. The first bid was accepted, but the bidders failing to enter into a contract, afterwards Mr. Armstrong's bid was accepted, and a contract was made with him to furnish the stone. Mr. Armstrong, after having delivered a part of the stone, failed entirely to perform his contract, and the overseer was obliged to



procure the stone from other sources, at a cost exceeding the contract price of \$1,441.27, a sum due from Mr. Armstrong and his sureties, which they acknowledge, and which they are abundantly able and ready to pay.

The Board on the 31st of August advertised for proposals to furnish the stone for the basement story, to be received till the 17th of October, and to be opened on that day. The bids were opened and filed, but the awarding the contract was postponed till the next meeting of the Board. In the mean time, the executive committee and architect were directed "to examine buildings which had been built of different qualities of stone, for which proposals have been received for furnishing stone, and to visit the different quarries, and report their opinion of their relative merits." The executive committee and architect, in obedience to instructions, made the examinations directed to be made, and recommended that all the bids be rejected for reasons stated in their report, (which is herewith transmitted,) and that the Board advertise for proposals to furnish the stone for the whole superstructure. The recommendation of the committee was adopted, and the Board proceeded to advertise anew for proposals to furnish stone. Twelve proposals were received, and on the 9th day of January, 1873, were opened and the bid of Munson & Turner was found to be the lowest, to furnish stone from quarries near Quincy, Illinois. Before acting on the proposals, the Board visited and examined the quarries, and sent a specimen of the stone to Professor Hinrichs, of the State University, to be submitted to his analysis and tests, who, in his report on the subject, says: "The stone may be fairly called a coarse-grained marble. I consider it the best limestone which I have seen from any part of the Northwest; it is also one of the most beautiful building stones, and will retain its light color indefinitely." The bid of Munson & Turner was finally accepted by a unanimous vote of the Board, and a contract was made with them to furnish the stone from their quarries for the whole superstructure of the Capitol.

The delivery of stone was to commence on or before the 15th day of April; but the contractors encountered many obstacles in opening these quarries and introducing the machinery for getting out stone; and on the 22d day of July had delivered only four car-loads of stone, and these were rejected on account of their not corresponding with the specifications of the contract. Several members of the Board visited the quarries to learn the cause of the delay and the prospect for the future delivery of stone. From the information which they communicated, the Board was satisfied that a sufficiency of stone for the basement story



could not be obtained during the current season, and that it would be necessary to postpone the construction of the story till next year, or to resort to some other quarry for a supply; besides, there were discovered running through the stone in various directions black veins, or seams, which it was thought, by some members of the Board, might seriously impair the beauty and durability of the wall constructed of it; and it was extremely doubtful whether a sufficient quantity of stone free from these veins could be found in the quarry for the whole superstructure. The Quincy stone is of a very light color, almost white, and it is not probable that stone of as light a color can be procured elsewhere without incurring an enormous expense, and to put a dark stone above one of a lighter shade would be a transgression of all the canons of good taste and altogether inadmissible.

Influenced by these considerations, the Board, on the 22d day of July, passed the following resolution:

*“Resolved,* That the executive committee be directed to select and make arrangements to work some quarry that will furnish stone for the basement story, and also be directed to organize a sufficient force and procure the necessary machinery to enable them to furnish stone for said basement at the earliest time practicable.”

Under the authority of this resolution the executive committee have selected the old Capitol quarry near Iowa City, and have organized a force and procured the necessary machinery and proceeded to quarry the stone and deliver them on the Capitol grounds as rapidly as practicable. It is unnecessary for the Commissioners to describe in detail the qualities of the stone of the old Capitol quarry; they are well known. It is enough to say, that it is a chrystaline carbonate of lime, very similar in its chemical composition to the Quincy stone, a little coarser and a little darker. These two kinds of stone, the lighter being placed above the darker, will give an agreeable diversity to the appearance of the wall.

The foundation is now finished complete in all its parts, solid, massive, indestructible, and fit to receive and support the stately edifice designed to surmount it. The Commissioners offer it with satisfaction to the inspection of the people and of the Legislature.

The Commissioners have endeavored to use the utmost vigilance to curtail expenses, and have effected a considerable saving in the cost of the supervision of the work, but it has been found to be the most practicable way to exercise a proper supervision over the construction of an edifice so large and costly as this Capitol, to employ a Board of Com-



missioners, an architect and an overseer or local superintendent. The compensation and traveling expenses of these officers can scarcely be less than \$10,000 annually. But it is as easy and as little expensive to superintend the expenditure of \$300,000 or \$400,000 as of \$100,000. The existing law makes an appropriation of \$125,000 annually until the Capitol is finished. With this appropriation, it will take ten years to complete the building and the cost of supervision will be \$100,000; with an appropriation of \$300,000, the Capitol can be finished in four years, and the expense of supervision will be only \$40,000. Economy and the best interests of the State require that the Capitol should be constructed as speedily as the financial condition of the Treasury will permit.

The Commissioners call your attention to the papers enumerated below which are herewith transmitted, an examination of which will give you a better understanding of the progress of the work for the past two years, and a detailed statement of the expenditures for the same period.

No. 1. Report of the Executive Committee and Superintendent of Finance, on the cost of removing and replacing rejected material.

No. 2. Report of the Committee appointed to examine the estimates of the architect on the cost of the building.

No. 3. Report of the Committee appointed to examine and report upon the necessity and advisability of reducing the size of the building.

No. 4. Report of the Executive Committee, in pursuance of a resolution of the Board directing the Committee to examine buildings which have been constructed of the different qualities of stone for which proposals had been received.

No. 5. Report of the Architect, on the same subject, as stated above, for the Executive Committee.

No. 6. Condensed report of the Overseer of the work for the years 1872 and 1873.

No. 7. Complete report of the Superintendent of Finance, of the expenditures in detail for the years 1872 and 1873.

No. 8. Report of the Architect for the years 1872 and 1873.

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



## APPENDIX.

### NO. I.

#### *Report of the Executive Committee and Superintendent of Finance on the cost of removing and replacing rejected material.*

TO THE BOARD OF CAPITOL COMMISSIONERS:

*Gentlemen*—The undersigned would respectfully submit the following report of the work on the new Capitol building from the time of their taking charge of the same to this date:

In accordance with a resolution of the Board rejecting the Rock Creek stone, all of said stone on the grounds, both rough and dressed, and all taken from the walls, with the exception of five pieces, were removed from the Capitol grounds.

The Rock Creek stone, where used, occupied invariably the two lower courses; it therefore became necessary to take down all of such walls, in order to remove the defective stone. The upper courses were built of Rock Creek, Bear Creek, Earlham, and Lock stone.

In re-building, none of the Lock stone have been placed in the face of the wall, on account of their appearance (being cut,) along side of pitched or rock-faced work.

The amount of wall taken down in order to remove the defective stone, was 2,352 cubic yards.

The account of the Rock Creek stone rejected and removed is as follows:

	Y'ds.	F't.	In.
Rough stone on grounds.....	174	12	3
Dressed stone on grounds .....	134	3	11
Dressed stone taken from walls .....	1,211	10	2
Total rejected stone.....	1,519	26	4

The superficial feet of cutting on the above, is as follows:

Cutting on stone on grounds.....	6,562 feet 7 inches.
Cutting on stone taken from walls .....	57,868 feet 10 inches.
Total cutting.....	64,431 feet 5 inches.



	Y'ds.	F't.	In.
The above stone were measured and received in the rough, and paid for as.....	1,729	0	0
	Y'ds.	F't.	In.
Deduct rejected stone as above.....	1,519	26	4
five stone retained ...	3	12	7
Total rejected and retained...	1,523	11	11
Making a difference between the measurement in the rough and after dressing, of .....	205	15	1

## REJECTED MATERIAL ACCOUNT.

The cost of the rejected material and work is as follows:

1,729 yards stone, at \$10.25 par yard .....	\$17,722.25
Cutting (including tool sharpening and handling) 64,431 feet 5 inches, at 8½ cents per superficial foot .....	5,476.67
881 6-10 barrels cement.....	1,525.27
Cost of laying 2,352 yards, taken at the price of re-laying the same, being \$2.22 1-6 per cubic yard.....	5,325.70
Excavating and re-filling trenches around walls, taking down walls, and removing defective stone from the grounds .....	4,550.72
Sand, estimated at 8,000 bushels, at 3 cents per bushel.....	240.00
Water, estimated .....	124.80
	<u>34,965.41</u>
To the above should be added the cost of Secretary, Board, Architects, and Superintendent, for three months .....	3,272.55
Total cost .....	<u>\$38,237.96</u>

## REPAIR ACCOUNT.

The repair account, taking the building in the condition it was at the incoming of the present Board of Commissioners, and keeping an account of the cost of taking down the walls, removing the defective stone from the grounds, excavating, and grading up again, the cost of the material necessary to replace that condemned, and rebuilding the walls which were taken down, leaving the work at the precise point it was when such repairs were commenced, stands as follows:

Taking down walls and removing defective stone.....	\$ 4,550.72
Stone .....	30,399.53
Stone cutting .....	9,305.39
Stone masonry .....	5,325.70
Cement.....	1,525.27
Water.....	124.80
Salaries.....	1,122.35
Total expenditures.....	<u>\$52,353.76</u>



To which should be added sand used, which was on hand and does not appear in the account of expenditures...	240.00
Total cost of repairs .....	\$52,593.76

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DES MOINES, December 20, 1872.

JOHN G. FOOTE,  
*Superintendent of Finance.*  
R. S. FINKBINE,  
*For Executive Committee.*

## NO. II.

*Report of the Committee appointed to examine the estimates of  
the Architects on the cost of the building.*

TO THE BOARD OF CAPITOL COMMISSIONERS :

*Gentlemen*—The Committee appointed to “examine and report upon the estimates of the Architects for the new Capitol building,” submit the following report :

The estimate submitted by the architects gives, in round numbers, an amount for each item, and with the exception of concrete work, dimension stone, stone-work, brick and brick-work, gives neither the quantity nor price; we were unable, therefore, to test its accuracy, except by making a new estimate. In doing so, we have endeavored to preserve as nearly as we could, the same classification.

In order to make an estimate of the cost of a building which can be relied upon as accurate, it is necessary to have general plans, elevations, and sections, together with full detail, drawings, and minute specifications, which together, make a full and complete description of the proposed building, and from which the amount and quality of all the material and workmanship in the building may be definitely ascertained. Without these no estimate can be relied upon as accurate, and with them, an estimate, even carefully made, may fail of verification in the construction of the building from errors of judgment, as to the value of material to be furnished, or of work to be done, or from the change in value during the progress of the work, in both labor and material.

We have labored under the difficulty of having the general plans drawn to a small scale, thereby increasing the chances of error in measurement, and having but few detail drawings, whilst the specifications are general rather than specific in their descriptions. We can rely upon the items of excavation, concrete, stone, and stone-work, brick, and brick-work, plain plastering, roof covering, marble floors and heating, as reasonably accurate.



The ornamental plastering, wood-work, plumbing, glass, glazing and painting, are at best only approximate. There is nothing in the plans or specifications by which we can even approximate the cost of the wrought and cast iron and stairs. We have therefore *adopted* the sums given in the estimate of the architects for the three last named items.

The specifications describe the quality of the iron-work, wood-work, and painting, but in the absence of any detail drawings, it is impossible to ascertain the quantities. We could approximate the quantities in wood-work and painting, but could not the iron.

In making the estimate, we have made a reasonable allowance for contingencies and superintendence, and have named a gross sum to cover the expenses of the commission and for architectural services.

In those items which for want of detail drawings, and minute specifications, we have been compelled to approximate, we have endeavored to estimate the quantities large enough and the value high enough to cover the cost, of what in our judgment, the work should be.

We estimate the total cost of the building, in accordance with the plans and specifications on file, to be \$1,584,165.59.

This amount exceeds the limitation fixed in the law providing for the erection of "a new Capitol building."

Two courses are open to remedy this excess, either to change the specifications as to the material to be used in portions of the work, thereby lessening the cost, or changing the plans, in order to reduce the size of the building.

The latter course will necessitate, in order to preserve the architectural symmetry of the building, the adoption of entirely new plans, and the abandonment of all the work done, a course we do not deem advisable.

Your Board, at its session of April 20, 1872, directed the architects to change the specifications in the following particulars: "To substitute galvanized iron for cut stone, in the cornice; to use cast iron for all capitals, instead of cut stone; to use iron in place of marble in the grand stair case; to substitute hard wood for marble in the floors of the halls and corridors; to use English crystal or French cylinder in place of plate glass; and to leave out the committee rooms over the library; and the upper story of the east wing."

None of these changes should be made except from the necessity of bringing the cost of the building within the requirements of the law. This applies especially to the two first named items, the capitals of columns and cornice, which if changed, cannot be hereafter remedied.

The other items are not so material. These changes in the specifications will in the aggregate reduce the cost of the building \$116,945.91, leaving then the total cost of the building \$1,467,215.68.

In conclusion, we submit as our judgment, that keeping within the limits of the plans and specifications, as modified by the resolution before referred to, and at present prices, the building can be completed for the sum herein named.

All of which is respectfully submitted.

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



## NO. III.

*Report of the Committee appointed to examine and report upon the necessity and advisability of reducing the size of the building.*

TO THE BOARD OF CAPITOL COMMISSIONERS:

*Gentlemen*—The committee to whom was referred (under resolution of the Board passed May 20th, 1872) the consideration of “the necessity and advisability of reducing the size of the new Capitol,” respectfully report, that after careful consideration of the subject they have come to the conclusion from the evidence offered by the several estimates of the cost of the Capitol building that the work can be completed for the maximum sum named in the law. We therefore think there is no necessity of reducing the size. We have examined several of the Capitol buildings now in process of erection in other states, and regret that we do not have the necessary data from which to make a detailed comparison as to the size of buildings, the number and size of the several rooms, and the general arrangement of the plans, between these buildings and the proposed Iowa Capitol.

Of the Capitols now building we find our own smaller and much less costly than those of either New York or Illinois, and a little larger and somewhat more expensive than that of Michigan. So, comparing the *recognized needs* for like purposes in other states with our own, and believing that we are building for the future full as much as for the present needs of the state, we do not deem it advisable to reduce the size of the building.

We call the attention of the Board to the fact that the records show the election or appointment of an architect, on October 6th, 1870. A contract was made with the architect to prepare plans for the Capitol building. The plans were prepared and referred to Mr. Edward Clark, architect, for examination. Mr. Clark reported, through Mr. Dudley, a committee of the Board of Commissioners, on January 4th, 1872. We find no action of the Board formally adopting any plans for a Capitol on record. The plans now in possession of the Board and on which estimates of the cost of building have been made, and in accordance with which the work has been carried on, should be identified in some way as the property of the state, and with this end in view we submit the following and recommend its adoption:

*Resolved*, That the plans prepared by Messrs. Cochrane and Piquenard, now in possession of the Board, be and are hereby adopted:

*Resolved*, That the President and Secretary sign, after writing the words, “Adopted August 3d, 1872,” the following:

Plan of cellar or foundations;

Plan of basement;

Plan of first story;

Plan of second story;

Plan of gallery story;

Longitudinal section;

Transverse section;

Cross sections of Senate, and House of Representatives;



The elevations of the four fronts, and the specifications; and that the said plans, when so signed, shall not be removed from the office except by permission of the Board.

R. S. FINKBINE,  
PETER A. DEY,  
JOHN G. FOOTE,  
*Committee.*

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NO. IV.

*Report of the Executive Committee, in pursuance of a Resolution of the Board directing the Committee to examine buildings which have been constructed of the different qualities of stone for which proposals have been received.*

TO THE BOARD OF CAPITOL COMMISSIONERS :

*Gentlemen*—The Executive Committee, under direction of your Board of date of October 18th, 1872, would respectfully report, that in pursuance of your resolution they have visited the quarries at Anamosa, Crow creek and vicinity; also the old Capitol quarries in Johnson county; that they have visited the new insane hospital at Independence and examined various structures in Anamosa and Cedar Rapids, built from the Anamosa stone; also various buildings at Iowa City built from the stone of the old Capitol quarries; that one member of the committee has visited the St. Genevieve sandstone quarries and examined structures erected from that stone.

The committee did not visit the Earlham quarries, being satisfied from the character of the stone furnished for the foundations that the variety of color and texture rendered it unfit for the basement story.

The stone in the vicinity of Anamosa are a buff colored magnesian limestone, the strata varying in thickness from three inches to three feet. The upper and lighter colored strata will not afford stone of sufficient thickness for the heavy courses of the basement story unless placed upon edge.

The heavier strata, being the lower courses noticed in Green & Webb's quarries, are not, as far as color can be observed, stratified other than in thickness of three feet or more; they were not however, sufficiently worked to give data for a definite conclusion, whether or not the amount could be furnished of an uniform color and texture. We were not able to find any buildings that had been erected from the stone in these courses, and were, therefore, unable to judge of its appearance or weathering qualities.

Buildings erected from upper strata showed, when placed upon their beds, in the same stone, a marked difference in texture, giving upon long exposure a lack of uniformity in color.

The stone from the old Capitol quarry in Johnson county, are found mainly in stratas from three to six feet in thickness; the color is gray,



about as dark, though different in shade from the lower strata of the Crow Creek quarries; they are expensive to quarry, requiring drilling, both vertically and horizontally. Though in use for thirty years, the quarries have not been worked to any great extent. They, like the Anamosa stone, are said to work well in cold or freezing weather without damage from frost. There is no doubt as to their capacity to furnish the amount of stone required. In exposed places they show little change from the effects of time, and weather, somewhat darker, but uniformly so, and are not inclined to collect moss. The committee are of the opinion that they would be desirable to use on the basement of the Capitol building from their weathering qualities and their uniformity of color and texture. The cost being, in our judgment, the only objection to them.

The Magnesian limestone or Sulphur Spring stone presented by Brown and Schneider, resembles, in color and texture the stone from the old Capitol quarries so nearly that your committee could not, from any means in their possession, determine the difference. The price being the principal objection to it.

The granite of Brown and Schneider, would be preferred to any material in competition did not the price and cost of cutting place it beyond reach in a limited appropriation.

The St. Genevieve stone are a fine grained, even textured sandstone of a delicate buff color easily worked and dressed, and in such quantities that there seems but little doubt that the entire amount of stone for the building could be furnished without any material variation in color or texture.

The steps of Felix Valle's house, made of this stone, have been in use more than fifty years, and show no evidence of decay, the tool marks remaining on parts of the stone; the only objections to using it are that the color is too light for the massive effect in the basement courses, and adopting this stone would confine the superstructure to this, or a lighter stone.

Of all the stone offered in competition, excluding the Spoon river, the Anamosa is the easiest and cheapest to work; there would be no material difference in the cost of working the St. Genevieve, the old Capitol, or the Sulphur Spring stone, the Earlham being a little harder.

The prices on most of the stone are higher than was anticipated; this we judge is partly due to the fact that but a limited quantity was called for in the advertisement, we would therefore recommend that all bids be rejected, and that the board advertise for proposals including the stone for the entire superstructure above the granite base course, reserving the right to use the same, or different stone, for the basement story and superstructure above the basement.

We present with this the report of the architect for consideration. We concur in most of the suggestions and conclusions in his report.

All of which is respectfully submitted.

PETER A. DEY,  
R. S. FINKBINE.



## NO. V.

*Report of the Architect, giving his views of the several samples of stone submitted for the basement story of the Capitol building.*

TO THE EXECUTIVE COMMITTEE OF THE BOARD OF CAPITOL COMMISSIONERS OF THE STATE OF IOWA:

*Gentlemen*—Your Architect respectfully submits for your consideration, his views on the different qualities of stone offered in answer to your advertisement for stone to be used in the construction of the basement story of the Iowa State Capitol.

The *Granite*, offered by Messrs. Brown & Schneider, of St. Louis, from the Missouri quarries, is without doubt the best stone offered, and was it not for its cost ought to be preferred, on account of its durability, uniformity of texture and color, and its warm colored tint, which would set off the balance of the building to the best advantage.

The *Warrensburg*, Missouri, sandstone is a good stone, but its high price, besides other considerations of quality, throws it out of competition.

The *Spoon River*, Illinois, sandstone has a good color for ordinary buildings, has the appearance of durability to weather, but it is so soft that the rubbing of the finger is sufficient to disintegrate the particles of sand, consequently, although the stone is offered at a lower price than any other stone, your architect does not think the proposal worthy of consideration, at least, for the basement story.

The *Earlham* stone is a good, durable, hard limestone, but not found in sufficient quantities of an even color to permit its use. We have used many pieces in the foundations, and it would be hard to find large pieces uniform in color.

The *St. Genevieve*, Missouri, sandstone is a most beautiful and durable stone, hardening to the weather, and the quarries are very extensive, but in addition to the high price asked for it, your architect believes it would be objectionable to use it in the basement story, on account of its texture, which is rather too fine for the base of such a large structure; also, of its color, which is a bright buff, too brilliant for such a position in the building, and which would oblige the Board to use the same stone for the superstructure at any price that may be asked for it, or to find a stone lighter, and brighter in color, which would be difficult if not impossible at a reasonable price among the sandstones that are known in the west.

The *Sulphur Springs*, Missouri, limestone is a hard and durable limestone, of a rather coarse and crystallized texture, found in large quantities, and which could be furnished of any size. Its color is well fitted for the basement of the Capitol, but the price asked for it is higher than the lowest bid for the following stone, which offers the same advantages.

The *Old Capitol quarry* stone, of Johnson county, is a crystalline, coarse grained limestone, slightly colored, and, as the preceding, is as good a stone as we can expect to procure for the basement of the Capitol. Its durability being shown by long exposure to the weather in different buildings. The lower ledge worked which appears to be the



heaviest, ought to be used for the basement piers, if such stone was adopted, the upper ledges would be used for the window architraves and sills.

The great advantage of these two last named qualities of stone is, that their texture and color are such as to represent strength and durability, and to permit the use of nearly any other quality of stone for the superstructure.

The *Anamosa and Crow Creek stone*, of Jones county, is a fine-grained magnesian limestone of a light buff color in the upper ledges, and a slightly darker in the lower. The quarries are extensive, can furnish any quantity of stone, and by selecting the ledges and placing the stone on edge as ashlar, the color will remain tolerably even, but in all positions where it has been used in its natural bed, it shows a streaky discoloration, following the stratification, and this is easily explained in carefully examining the stone, composed of thin layers of a very uneven texture and porosity. Then the layers appear to be well cemented together, though they permit the capping of the stone in any thickness required for ordinary use, without drilling, but they are so different in texture and will discolor so unevenly that they ought not to be used in such a work as the State Capitol.

There is under these laminated beds, at the lowest worked part of the quarries, two or more ledges, which, by all indications and the information that could be obtained, are not formed in the same manner, and appear to be in heavy ledges of three feet, more or less, quite even in texture. If so, this stone may discolor without having the streaky appearance of the upper ledges, but your architect cannot give any correct personal opinion about it. It has so far not been used in buildings, probably on account of not being worked so easily as the upper stone. In any case, the porous texture and the light color of this stone, as well as its softness, which does not permit good bush-hammering, does not recommend it for use in the basement.

In selecting the stone for the basement story of the Capitol, which is the real base of the building, your architect thinks it is important to have, if possible, a stone of a rather coarse and crystallized texture, and somewhat dark in color, so as to satisfy the eye, which requires that the more substantial looking stone, the darker and heavier material be placed under the lighter.

It is also important for the durability of the building, that no porous stone be placed under a less porous, as it is proved by past experience that the porous stone, even durable, will disintegrate under such conditions, consequently a sandstone, or a porous limestone, would oblige us to use as porous a stone above it, which may be found objectionable hereafter, and your architect thinks the safest way is to use, when it can be found, the least porous stone possible for the lower part of the building. Besides, the dampness from the ground will not be so apt to raise largely in the upper parts of the building by capillary attraction.

For these reasons, other things being equal, there is no doubt, in my judgment, that after granite, the stone from Sulphur Springs or of the old Capitol quarry ought to be preferred, and although the difference in price is quite considerable between this last stone and the *Anamosa stone*, your Architect believes that for the small quantity required in the basement, the Johnson county stone ought to be preferred.



Your Architect would also advise that a small quantity of Anamosa stone of the lower layers be bought as soon as possible, in pieces of the whole thickness of the beds, to be cut and rubbed, and to be exposed to a damp and smoky atmosphere, so as to be able to judge hereafter of the evenness of its texture and color.

All of which is respectfully submitted.

A. H. PIQUENARD,

*Architect of the Iowa State Capitol.*

DES MOINES, IOWA, November 14, 1872.

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## NO. VI.

*Condensed Report of the Overseer, for the years 1872 and 1873.*

TO THE BOARD OF CAPITOL COMMISSIONERS :

*Gentlemen*—I herewith submit a condensed report of the work on the new Capitol building from the incoming of the present Board of Commissioners to the present time, (December 20th, 1873), condensed from the detailed reports of the executive committee and superintendent of finance for the year 1872, and my report as overseer for 1873, during which time all the walls were removed with the exception of 359 cubic yards, the entire foundation walls of the building, both interior and exterior have been constructed; the necessary piers to carry the arches have been built, the building arched over, the arches concreted up to a level with the exterior walls and covered with a heavy coat of pitch.

The southeast pavillion has been built to the top of the basement story, and the southwest pavillion walls have been carried up to within two courses of the same height, a portion of the interior walls have been partially constructed, the granite base course, with the exception of three pieces, has been dressed and a large quantity of stone, both dressed and rough on hand,—for the details I call your attention to the annexed statement.

In accordance with the directions of Joint Resolution No. 14 of the Fourteenth General Assembly, approved March 20, 1873, and a resolution of the Commissioners, passed March 22, 1873, all inscriptions of names, dates and figures were erased from the corner-stone, and only the name "Iowa" and the date "A D., 1873," were inscribed on said stone, which was re-laid on the 29th day of September, 1873. The box containing documents, together with an additional box containing a copy of the report of the joint committee of the Fourteenth General Assembly, appointed to examine the material used, and the work done on the foundations of the new Capitol building, and a copy of the acts and resolutions of the Fourteenth General Assembly, were placed in position before re-setting said corner-stone, which brings the Legislative history of the new Capitol building down to the present time.

All of which is respectfully submitted.

R. S. FINKBINE,

*Overseer.*



## STATEMENT

*of materials purchased and work done on the new capitol building  
from April 17th, 1872, to December 20th, 1873.*

## MATERIAL PURCHASED.

Dimension stone.	Y'ds.	F't.	In.
Bought of Tuttle & Robertson.....	2,908	0	7
Bought of O. H. P. Scott.....	72	3	11
Bought of Royce & Laird.....	35	13	11
Bought of H. F. Royce.....	9	10	2
Total dimension stone.....	3,025	1	7

## BLOCK RUBBLE.

	Y'ds.	F't.	In.
Bought of Tuttle & Robertson.....	859	24	7
Bought of H. F. Royce.....	97	19	10
Total block rubble.....	957	17	5

## GRANITE.

	F't.	In.
Bought of David Armstrong, coping.....	1,604	0
Bought of David Armstrong, base course.....	126	2
Bought of Tuttle & Robertson, base course.....	941	7
Bought of Barnum & Overman, base course.....	2,745	5
Bought of L. Robinson & Sons, base course.....	1,844	2
Bought of L. Robinson & Sons, door-sills.....	89	8
Total granite.....	7,351	0

## BRICK.

Bought of Janes & Redhead.....	2,000,000
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## CEMENT.

Bought of Tuttle & Robertson.....	27 bbls.
Bought of Des Moines Coal Company.....	5,500 bbls. 133 lbs.
Total cement.....	5,527 bbls. 133 lbs.

## LIME.

Bought of Martin Tuttle.....	300 bushels.
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## DRAIN TILE.

Bought of Argillo Works.....	320	lineal feet, 26 inch diameter.
Bought of S. A. Kelsey.....	286 $\frac{3}{4}$	lineal feet, 6 inch diameter.
Bought of S. A. Kelsey.....	297 $\frac{3}{4}$	lineal feet, 8 inch diameter.
Bought of S. A. Kelsey.....	218 $\frac{3}{4}$	lineal feet, 10 inch diameter.
Bought of S. A. Kelsey.....	135	lineal feet, 12 inch diameter.
Bought of S. A. Kelsey.....	42	lineal feet, 15 inch diameter.

Total drain tile..... 1,300 $\frac{1}{4}$  lineal feet.

## PITCH.

Bought of Barrett, Arnold & Co.....	40,600 pounds.
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## COAL.

Bought of Des Moines Coal Co.....	3661 $\frac{1}{8}$ bushels.
Bought of Des Moines Coal Co., seven loads slack.	

## MISCELLANEOUS.

Lard oil .....	32 gallons.
Lubricating oil .....	22 gallons.
Tallow.....	116 pounds.
Iron .....	2,092 pounds.
Steel.....	1,156 $\frac{1}{4}$ pounds.
Nails.....	1,125 pounds.
Lumber.....	64,970 feet.

## DIMENSION STONE FOR BASEMENT STORY.

From Iowa City quarry.....	15,296 feet 8 in.
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## WORK DONE.

All measurements of quantities here given, are *actual cubical* contents, rejecting all double measurements of angles, and all constructive, or mason's measurements, and excluding all openings.

Walls taken down .....	2,352 yards.
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## DIMENSION STONE LAID IN WALLS.

	Yd's.	F't.	In.
In exterior walls .....	2,948	12	5
In dome walls.....	991	22	8
In interior footings.....	469	20	3
In piers and pier footings .....	205	23	0
In interior walls .....	62	24	4

Total dimension stone set in foundation..	4,678	21	8
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## CONCRETE.

	Yd's.	F't.	In.
In wall foundations.....	226	2	0
In pier foundations .....	121	5	10
On brick arches .....	1,129	24	7
Total concrete.....	1,477	5	5

## RUBBLE MASONRY.

	Yd's.	F't.	In.
In interior walls.....	948	7	0

## EXCAVATION AND GRADING.

	Yd's.	F't.	In.
Excavating for pier foundations .....	163	0	5
Excavating for wall foundations.....	229	26	6
Excavating for interior drain tile .....	186	18	10
Excavating for exterior drain tile .....	753	5	1
Grading east front.....	1,110	3	0
Total excavation and grading.....	2,442	26	10

## BRICK-MASONRY IN FOUNDATION.

	F't.	In.
Cubic feet in piers.....	1,616	8
Cubic feet in walls.....	16,750	9
Cubic feet in arches.....	22,763	3
Total cubic feet brick-work in foundation.....	41,130	8
Kiln count, equal to.....	822,693	brick.

## WORK IN BASEMENT STORY.

	F't.	In.
Granite base course set .....	1,430	10
Lime-stone set, (Iowa City stone) .....	4,129	5

## BRICK-WORK ON BASEMENT STORY.

	F't.	In.
Backing to exterior walls.....	4,262	0
In interior walls.....	11,113	5
Total cubic feet brick-work done in basement story.....	15,375	5
Kiln count, equal to.....	307,510	brick.



## MATERIAL ON HANDS.

Granite rough.....	210 feet 6 inches
Granite dressed.....	4115 " 4 "
Limestone dressed.....	3024 " 10 "
Limestone rough.....	7104 " 11 "
Brick, kiln count.....	869,797
Lime.....	250 bushels.
Cement.....	8,012 pounds.
Pitch.....	6,060 pounds.
Sand—estimated.....	17,000 bushels.
Coal—estimated.....	2,000 pounds.
Lumber—estimated.....	25,000 feet.
Drain tile, 26 inches diameter.....	31 feet.
Iron.....	198 pounds.

## MACHINERY AND TOOLS.

Cost of new tools and machinery, and repairs to same.

Engines.....	\$ 319.41
Derricks.....	694.15
Truck-cars.....	341.92
Miscellaneous tools.....	311.49
Total.....	\$1,666.97

## RAILROAD TO CAPITOL GROUNDS.

Cost of repairs, and rent and taxes paid on right of way, for the years 1872 and 1873, as follows:

Labor on repairs.....	\$1,429.88
Material used for repairs.....	400.16
Rent paid on right of way.....	580.00
Taxes paid on right of way.....	338.88
Total expenditures for two years.....	\$2,748.92

## WAGES PAID PER DAY.

Water boys.....	\$ .75
Common laborers.....	1.50 to 1.75
Derrick laborers.....	1.50 to 1.75
Hod-carriers.....	1.75 to 2.00
Derrick foreman.....	2.00 to 2.75
Derrick-rigger.....	2.00 to 2.50
Carpenters.....	2.00 to 3.25
Blacksmiths.....	3.25
Night watchman.....	1.75
Engineers.....	2.50 to 2.75
Teams.....	3.00 to 3.75
Horse, cart and driver.....	2.75



Stone-masons .....	\$ 3.00 to \$3.50
Stone-setters .....	4.00
Stone-cutters .....	3.25 to 4.00
Brick-layers .....	3.00 to 4.25
Foreman of stone-cutters and brick-layers .....	5.00

Setting apart those items which pertain to the cost of the whole superstructure, the following is a classification by stories :

Expenditures for plans .....	\$ 3,943.11
Expenditures for cistern .....	1,512.12
Expenditures for railroad .....	10,177.77
Expenditures for machinery and tools .....	9,352.63
Expenditures for water-pipe and meter .....	647.46
Expenditures for main sewer ..	1,272.28
Expenditures for printing and advertising .....	1,864.40
Expenditures for board of commissioners .....	9,143.31
Expenditures for miscellaneous .....	1,437.24
Expenditures for repairs of foundations .....	52,353.76
Expenditures for foundations to ground line .....	214,055.41
Expenditures for superstructure .....	69,066.39

Total expenditures to date ..... \$374,825.88  
December 20th, 1873.

## NO. VII.

*Complete report of the Superintendent of Finance of the expenditures in detail, for the years 1872 and 1873.*

TO THE BOARD OF CAPITOL COMMISSIONERS :

*Gentlemen*—I herewith submit reports of expenditures on the new Capitol building from its commencement to December 31st, 1873, as set forth in the accompanying exhibits, in the following order :

- A. Classified statement of expenditures in detail by the first Board of Commissioners from the commencement of the work to January 1st, 1872, and reported to the Governor.
- B. General statement of expenditures by the first Board of Commissioners from January 1st to April 17th, 1872, the expiration of their term of office and not reported to the Governor.
- C. Classified statement of expenditures in detail by the first Board of Commissioners from January 1st to April 17th, 1872.
- D. Classified statement of the aggregate expenditures in detail by the first Board of Commissioners from the commencement of the work to April 17th, 1872, the expiration of their term of office.
- E. General statement of expenditures by the present Board of Commissioners from April 17th to December 31st, 1872.
- F. Classified statement of expenditures in detail from April 17th to December 31st, 1872.



- G. Classified statement of expenditures in detail for taking out defective stone, and rebuilding foundation in 1872.
- H. Classified statement of expenditures in detail from the commencement of the work to December 31st, 1872.
- I. General statement of expenditures from January 1st, to December 31st, 1873.
- J. Classified statement of expenditures in detail from January 1st to December 31st, 1873.
- K. Classified statement of the aggregate expenditures in detail from the commencement of the work to December 31st, 1873.
- L. Consolidated classified statement of expenditures and appropriations to December 31st, 1873.

JOHN G. FOOTE,  
Supt. of Finance.

## [EXHIBIT A.]

## CLASSIFIED STATEMENT

*Of expenditures, in detail, to January 1st, 1872, and reported to the Governor by the first Board of Commissioners.*

ON WHAT ACCOUNT.	AMOUNT.
Plans.....	\$ 2,351.22
Excavation and drainage.....	11,972.36
Stone.....	41,928.63
Cistern.....	1,512.12
Sand.....	2,350.00
General expenses.....	1,143.95
Stone-cutting.....	14,642.86
Salaries.....	7,159.04
Railroad.....	7,428.85
Lumber and timber.....	1,484.35
Iron-work.....	336.27
Carpenter-work.....	661.17
Cement.....	6,168.80
Board of Commissioners.....	3,910.46
Fuel.....	229.80
Machinery and tools.....	7,598.17
Hardware and nails.....	242.81
Water-pipe and meter.....	107.66
Brick.....	93.40
Iron and steel.....	102.32
Printing and advertising.....	1,327.80
Concrete.....	2,307.76
Water.....	271.19
Stone-masonry.....	4,666.63
Total.....	\$119,997.62



## [EXHIBIT B.]

## GENERAL STATEMENT OF EXPENDITURES

*From January 1st, to April 17th, 1872, the expiration of the term of office of the first Board of Commissioners, and not yet reported to the Governor.*

DATE OF VOUCHER.	NO. OF VOUCHER.	IN WHOSE FAVOR	ON WHAT ACCOUNT.	AMOUNT.
1872.				
Jan. 1	335	M. H. King.....	Sand.....	\$180.18
Jan. 1	336	Isaac Brandt.....	Wood for office.....	6.00
Jan. 1	337	Carter, Hussey & Curl.....	Scrap basket and box.....	2.00
Jan. 2	338	Des Moines Coal Co.....	Coal for blacksmith shop and engine.....	62.70
Jan. 5	339	M. H. King.....	Sand.....	193.51
Jan. 4	340	Charles Dudley.....	Expenses to Washington, D. C.....	175.15
Jan. 5	341	Edward Clark.....	Inspecting plans.....	100.00
Jan. 5	342	A. R. Fulton.....	Salary as secretary.....	100.00
Jan. 5	343	A. R. Fulton.....	Wood for office.....	3.50
Jan. 4	344	L. P. Baker.....	Expressage.....	13.10
Jan. 4	345	Cook, Rymes & Co.....	Cylinder for engine.....	30.00
Jan. 5	346	Charles Dudley.....	Per diem and expenses Ex. Committee.....	18.00
Jan. 5	347	Cochrane & Piquenard.....	Expenses preparing plans.....	218.54
Jan. 5	348	Cochrane & Piquenard.....	Salary as architects.....	300.00
Jan. 5	349	Des Moines Postoffice.....	Postage stamps.....	16.31
Jan. 5	350	Western U. Telegraph Co.....	Telegraphing.....	3.50
Jan. 8	351	O. H. P. Scott.....	Foundation stone.....	936.15
Jan. 8	352	Board of Commissioners.....	Per diem and expenses.....	436.60
Jan. 6	353	L. Fisher.....	Tallow for engines.....	3.20
Jan. 10	354	O. H. P. Scott.....	Foundation stone.....	546.25
Jan. 10	355	E. G. Everett.....	Photographs of plans.....	6.00
Jan. 13	356	A. R. Fulton.....	Pay-roll of workmen.....	81.75
Jan. 15	357	F. C. Mathes & Brother.....	Foundation stone.....	452.85
Jan. 17	358	Des Moines Valley R. R. Co.....	Freight on stone.....	552.00
Jan. 21	359	C., R. I. and P. R. R.....	Switching 32 cars.....	96.00
Feb. 5	360	A. R. Fulton.....	Salary as secretary.....	100.00
Feb. 7	361	Cochrane & Piquenard.....	Salary as architect.....	300.00
Feb. 23	362	Board of Commissioners.....	Per diem and expenses.....	180.20
Feb. 23	363	James Dawson.....	Per diem and expenses Ex. Committee.....	5.00
Feb. 23	364	E. G. Everett.....	Photographs of foundation.....	4.00
Feb. 22	365	Des Moines Postoffice.....	Postage stamps.....	10.00
Feb. 22	366	Isaac Brandt.....	Wood for office.....	11.00
Feb. 22	367	E. G. Everett.....	Photographing plans.....	160.00
Feb. 22	368	Getchell & Tichenor.....	Lumber.....	21.60
Feb. 23	369	A. R. Fulton.....	Telegraphing.....	2.30
Feb. 22	370	W. R. Ray.....	Sprinkler, marking pot and oil can.....	4.00
Feb. 23	371	McKisson & Bolton.....	Iron and hardware.....	78.69
Feb. 24	372	McKisson & Bolton.....	Hardware.....	3.55
Feb. 27	373	Des Moines Valley R. R.....	Freight on stone.....	48.25
Mar. 11	374	William Baker.....	Oil and varnish.....	9.28
Mar. 11	375	Western U. Telegraph Co.....	Telegraphing.....	2.85
Mar. 11	376	Cochrane & Piquenard.....	Salary as architects.....	300.00
Mar. 11	377	A. R. Fulton.....	Salary as secretary.....	100.00
Mar. 26	378	Iowa State Register.....	Advertising for brick.....	15.00
Mar. 26	379	Keokuk Gate City.....	Advertising for brick.....	12.00
Mar. 30	380	Dubuque Times.....	Advertising for brick.....	12.50
Mar. 30	381	W. S. Dart.....	Annual paym't for right of way for R. R.....	50.00
Apr. 6	382	C., R. I. and P. R. R.....	Repairing Capitol R. R.....	135.77
Apr. 6	383	Des Moines Postoffice.....	Postage stamps.....	15.32
Apr. 10	384	Cochrane & Piquenard.....	Salary as architects.....	300.00
Apr. 10	385	A. R. Fulton.....	Salary as secretary.....	100.00
Apr. 10	386	Board of Commissioners.....	Per diem and expenses.....	61.40
Apr. 16	387	Marshall Times.....	Advertising for brick.....	14.00
				<u>\$6,590.00</u>



## [EXHIBIT C.]

## CLASSIFIED STATEMENT

*Of expenditures in detail from January 1st, to April 17th, 1872, the expiration of the term of office of the first Board of Commissioners, and not reported to the Governor.*

ON WHAT ACCOUNT.	AMOUNT.
Plans .....	\$660.44
Excavation and drainage.....	81.75
Stone .....	2,631.50
Sand .....	373.69
General expenses .....	64.78
Salaries .....	1,600.00
Railroad.....	185.77
Lumber and timber.....	21.60
Board of Commissioners .....	701.20
Miscellaneous .....	12.13
Fuel .....	84.20
Machinery and tools.....	37.20
Hardware and nails.....	82.24
Printing and advertising.....	53.50
Total .....	\$6,590.00



## [EXHIBIT D.]

## CLASSIFIED STATEMENT

*Of the aggregate expenditures in detail, made by the first Board of Commissioners,  
to April 17th, 1872, the expiration of their term of office.*

ON WHAT ACCOUNT.	AMOUNT.
Plans.....	\$ 3,011.66
Excavation and drainage .....	12,054.11
Stone .....	44,560.13
Cistern .....	1,512.12
Sand .....	2,723.69
General expenses.....	1,208.73
Stone-cutting .....	14,642.86
Salaries .....	8,759.04
Railroad.....	7,614.62
Lumber and timber.....	1,505.95
Iron-work.....	336.27
Carpenter-work.. ..	661.17
Cement .....	6,168.80
Board of Commissioners .....	4,611.66
Fuel .....	314.00
Machinery and tools.....	7,635.37
Nails and hardware.....	325.05
Water-pipe and meter.....	107.66
Brick .....	93.40
Iron and steel .....	102.22
Printing and advertising.....	1,381.30
Concrete .....	2,307.76
Water .....	271.19
Stone-masonry .....	4,666.63
Miscellaneous .....	12.13
Total .....	\$126,587.62



## [EXHIBIT E.]

## GENERAL STATEMENT OF EXPENDITURES

*By the present Board of Commissioners from April 17th to December 31st, 1872.*

DATE OF VOUCHER.	NO. OF VOUCHER.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	AMOUNT
1872.				
Apr. 18	388	J. O. Crosby .....	Per diem and expenses, Board Com.....	25.00
Apr. 19	389	Cochrane & Piquenard.....	Expenses as architects .....	81.20
Apr. 18	390	Mills & Co.....	Lithographing and stationery .....	76.55
Apr. 20	391	N. W. Smith .....	Foreman of tool department, 3 months..	120.00
Apr. 25	392	Board of Commissioners...	Per diem and expenses .....	357.90
May 14	393	Cochrane & Piquenard.....	Salary as architects .....	300.00
May 14	394	A. R. Fulton .....	Salary as secretary .....	100.00
May 20	395	Council Bluffs Nonpareil..	Advertising for brick .....	26.00
May 21	396	Board of Commissioners...	Per diem and expenses .....	256.25
May 24	397	Iowa State Register .....	Advertising for brick .....	20.00
May 24	398	Des Moines Postoffice.....	Postage stamps.....	15.00
May 24	399	William L. Joy .....	Per diem and expenses, Board Com.....	35.00
May 24	400	Dubuque Times.....	Advertising for brick.....	12.50
May 24	401	A. R. Fulton .....	Expressage on sample brick.....	2.12
May 25	402	A. R. Fulton .....	Pay-roll of workmen .....	47.79
May 25	403	N. W. Smith .....	Foreman of tool department, 1 month..	40.00
June 1	404	A. R. Fulton .....	Pay-roll of workmen .....	50.63
June 1	405	A. R. Fulton .....	Salary as secretary.....	100.00
June 3	406	Cochrane & Piquenard .....	Salary as architects .....	300.00
June 8	407	A. R. Fulton .....	Pay-roll of workmen .....	54.55
June 15	408	L. H. Bush.....	Paints, oil, and varnish .....	39.40
June 15	409	A. R. Fulton .....	Expressage and telegraphing .....	3.55
June 15	410	Cochrane & Piquenard.....	Expenses of J. C. Cochrane.....	35.00
June 15	411	A. R. Fulton .....	Pay-roll of workmen .....	104.75
June 17	412	N. W. Smith .....	Foreman of tools and laborers .....	82.00
June 17	413	H. F. Royce.....	Timbers for railroad .....	34.94
June 17	414	Special Com. of Board.....	Per diem and expenses .....	572.90
June 18	415	Board of Commissioners...	Per diem and expenses .....	269.85
June 18	416	A. R. Fulton .....	Bridge toll tickets.....	5.00
June 18	417	W. T. Heywood .....	Subscription Daily Register, 6 months...	6.00
July 3	418	Janes & Redhead .....	Brick on contract .....	649.66
July 3	419	A. R. Fulton .....	Pay roll of workmen .....	323.75
July 3	420	Loughran & Hillis.....	Repair of engines .....	193.22
July 3	421	H. F. Getchell & Sons.....	Lumber for railroad.....	238.72
July 3	422	G. W. Edwards .....	Printing specifications, brick & granite..	8.50
July 3	423	McKisson & Bolton.....	Nails for railroad.....	4.36
July 3	424	Iowa State Register.....	Advertising for granite .....	18.00
July 16	425	John G. Foote .....	Pay-roll of workmen .....	203.47
July 16	426	John G. Foote .....	Pay-roll of workmen .....	69.75
Aug. 1	427	Cochrane & Piquenard.....	Paid Doty on plans .....	71.50
Aug. 1	428	Cochrane & Piquenard.....	Salary as architects.....	273.65
Aug. 1	429	A. R. Fulton .....	Salary as secretary.....	116.66
Aug. 1	430	H. Robinson .....	Water-pipe and plumbing .....	23.76
Aug. 1	431	Des Moines Water Co.....	Water-pipe and meter .....	498.40
Aug. 1	432	H. F. Getchell & Sons.....	Lumber for stone shed.....	153.78
Aug. 1	433	H. M. Bush.....	Charges on machinery for repairs.....	4.00
Aug. 1	434	J. K. & W. H. Gilchrist.....	Ties for railroad .....	10.00
Aug. 1	435	U. S. Express Co.....	Expressage on sample brick and plans..	4.50
Aug. 1	436	Brooks, Lendrum & Wilson	Tops for steam-chests of engine.....	5.50
Aug. 1	437	McDonnell & Meara.....	Repairing derrick.....	24.42
Aug. 1	438	L. P. Baker .....	Salary as janitor and expressman.....	15.00
Aug. 1	439	Tuttle & Robertson.....	Foundation stone .....	4,893.99
Aug. 1	440	R. S. Finkbine.....	Per diem and expenses, Executive Com..	258.50
Aug. 1	441	Western Union Tel. Co.....	Telegraphing for Cochrane .....	1.56
Aug. 1	442	Ham & Carver .....	Advertising for granite.....	15.53
Aug. 1	443	C., R. I. & P. R. R.....	For use of locomotive and cars.....	180.00
Aug. 1	444	Rich & Ryan .....	Advertising for granite.....	17.50
Aug. 1	445	Howell & Seeberger .....	Tools, hardware, nails, and steel.....	45.44
Aug. 1	446	John G. Foote .....	Per diem and expenses Sept. of Finance	60.75
Aug. 1	447	Waldron Brothers.....	Bolts for railroad.....	9.50



## [EXHIBITT E]—CONTINUED.

DATE OF VOUCHER.	NO. OF VOUCHER.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	AMOUNT.
1872.		[Cedar Rapids.		
Aug. 1	448	Republican Printing Co.,	Advertising proposals for granite.....	\$12.00
Aug. 3	449	Board of Commissioners...	Per diem and expenses.....	159.30
Aug. 5	450	Redhead & Janes.....	Brick on contract.....	1,723.54
Aug. 5	451	Redhead & Janes.....	Brick on contract.....	2,113.17
Aug. 5	452	A. R. Fulton, Secretary....	Pay-roll of workmen .....	1,569.11
Aug. 6	453	Republican Printing Co.,	Printing orders and circulars .....	5.75
Aug. 16	454	John G. Foote [Des M'es.	Pay-roll of workmen .....	3,165.21
Sept. 2	455	American Bridge Co.....	Swivel and links .....	35.00
Sept. 2	456	L. P. Baker.....	Janitor and expressman.....	11.45
Sept. 2	457	A. R. Fulton.....	Salary as secretary.....	100.00
Sept. 2	458	J. S. Clarkson, P. M.....	Postage stamps .....	15.00
Sept. 2	459	Frank Pelton.....	Surveying for foundation.....	5.00
Sept. 3	460	Cochrane & Piquenard.....	Salary as architects.....	298.44
Sept. 3	461	Board of Commissioners...	Per diem and expenses.....	186.80
Sept. 3	462	Hiram Robinson .....	Repairing water-meter.....	10.42
Sept. 3	463	C. L. Rice & Co.....	Wire-rope, shackles and blocks .....	170.41
Sept. 3	464	J. K. & W. H. Gilchrist....	Lumber for vault .....	5.21
Sept. 5	465	Tuttle & Robertson.....	Foundation stone.....	10,709.13
Sept. 5	466	McKisson & Bolton .....	Hardware, nails and tools.....	18.63
Sept. 5	467	Janes & Redhead.....	Brick on contract.....	3,482.15
Sept. 5	468	Des Moines Coal Co.....	Coal for blacksmith shop and engine...	104.00
Sept. 6	469	John G. Foote .....	Pay-roll of workmen .....	4,372.57
Sept. 6	470	Howell & Seeberger.....	Iron, files and materials .....	177.08
Sept. 6	471	R. S. Finkbine.....	Per diem and expenses Ex. Committee	170.95
Sept. 6	472	John G. Foote.....	Per diem and expenses Supt. Finance..	64.75
Sept. 6	473	U. S. Express Co.....	Transportation.....	4.00
Sept. 6	474	C. H. Ward.....	Oils, turpentine and brushes .....	24.50
Sept. 6	475	Foote & Ewing.....	Stocks and dies .....	7.50
Sept. 9	476	Des Moines Valley R. R...	Freight on stone and machinery.....	111.71
Sept. 20	477	John G. Foote.....	Pay-roll of workmen .....	4,244.88
Oct. 1	478	A. H. Piquenard.....	A. Doty, for work on plans.....	254.95
Oct. 1	479	Brooks, Lendrum & Wils.	Castings for trucks and repairs on eng.	169.24
Oct. 1	480	J. J. Smart.....	Binding 50 copies New Capitol doc'm'ts	50.00
Oct. 1	481	Loughran & Hillis.....	Repairs on engine.....	38.79
Oct. 1	482	Nicholas & Blasher.....	Ice for office.....	2.45
Oct. 1	483	Rep'b'n Print'g Co., Des M	Printing proposals for stone.....	11.80
Oct. 1	484	Howell & Seeberger.....	Tools, iron, steel and rope .....	147.82
Oct. 1	485	Des Moines Valley R. R...	Freight on granite, D. Armstrong .....	245.00
Oct. 1	486	T. J. Thompson.....	Tamping bars, bands and bolts.....	8.50
Oct. 1	487	Des Moines Coal Co.....	Cement and coal.....	1,085.07
Oct. 1	488	Tuttle & Robertson.....	Foundation stone.....	11,571.45
Oct. 1	489	Janes & Redhead .....	Brick on contract.....	2,854.90
Oct. 1	490	J. K. & W. H. Gilchrist....	Ash lumber for trucks .....	11.55
Oct. 1	491	R. S. Finkbine.....	Per diem and expenses Ex. Committee	185.30
Oct. 1	492	A. R. Fulton .....	Salary as secretary.....	100.00
Oct. 1	493	John G. Foote .....	Per diem and expenses Supt. Finance..	112.25
Oct. 1	494	Des Moines St. and L. Co..	Cement.....	81.00
Oct. 1	495	David Armstrong .....	Granite coping.....	629.54
Oct. 1	496	John G. Foote.....	Pay-roll of workmen .....	5,203.58
Oct. 1	497	C., R. I. and P. R. R.....	Freight on tools and switching 5 cars...	17.88
Oct. 1	498	C. L. Rice & Co.....	Blocks, wire and rope .....	212.00
Oct. 18	499	A. H. Piquenard.....	Salary as architect.....	300.00
Oct. 18	500	Board of Commissioners...	Per diem and expenses.....	187.40
Oct. 18	501	Peter A. Dey.....	Per diem and expenses Ex. Committee	103.25
Oct. 21	502	John G. Foote.....	Pay-roll of workmen .....	6,177.34
Nov. 1	503	R. S. Finkbine.....	Per diem and expenses Ex. Committee	189.70
Nov. 1	504	A. R. Fulton.....	Salary as secretary.....	100.00
Nov. 1	505	John G. Foote.....	Per diem and expenses Supt. Finance..	104.40
Nov. 1	506	John G. Foote.....	Pay-roll of workmen .....	6,755.30
Nov. 1	507	L. P. Baker.....	Salary as janitor and expressman.....	17.55
Nov. 1	508	Iowa State Register.....	Advertising proposals for stone.....	22.00
Nov. 1	509	Gate City.....	Advertising proposals for stone.....	22.00
Nov. 1	510	Ham & Carver.....	Advertising proposals for stone.....	27.00
Nov. 1	511	Gazette Company .....	Advertising proposals for stone.....	25.50
Nov. 1	512	George D. Hall.....	Octagon steel.....	20.85
Nov. 1	513	J. K. & W. H. Gilchrist....	Lumber for sheds .....	39.28
Nov. 1	514	H. F. Getchell & Sons.....	Lumber for centering .....	170.08
Nov. 1	515	Des Moines Valley R. R...	Freight on granite.....	294.00
Nov. 1	516	Waldron Brothers.....	Railroad spikes .....	14.60
Nov. 1	517	William Dickerson.....	4 horse buckets.....	2.40
Nov. 1	518	Frank Pelton.....	Surveying foundation.....	10.00
Nov. 5	519	David Armstrong.....	Granite coping, final estimate.....	1,255.75



## [EXHIBIT E]—CONTINUED.

DATE OF VOUCHER.	NO. OF VOUCHER.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	AMOUNT.
1872.				
Nov. 1	520	Tuttle & Robertson.....	Stone for foundation .....	\$10,759.59
Nov. 1	521	Hiram Robinson .....	Engine repairs .....	19.93
Nov. 1	522	Des Moines Coal Co.....	Cement and coal.....	1,193.60
Nov. 1	523	Howell & Seeberger .....	Iron and hardware .....	58.76
Nov. 8	524	Des Moines Water Co.....	Water furnished to October 15.....	125.80
Nov. 1	525	Janes & Redhead .....	Brick on contract .....	2,930.87
Nov. 8	526	C. R. I. & P. R. R.....	Switching 5 cars granite .....	15.00
Nov. 8	527	McKisson & Bolton .....	Hardware .....	8.44
Nov. 9	528	A. H. Swan, Att'y.....	Rental for right of way for railroad.....	240.00
Nov. 9	529	C. H. Ward .....	Oils, turpentine, and glass.....	13.95
Nov. 14	530	County Treasurer Polk Co.	Taxes on Gaunt lots, rt. of way for R. R.	155.55
Nov. 15	531	A. H. Piquenard.....	Salary as architect, material for plans.	803.95
Nov. 16	532	Board of Commissioners...	Per diem and expenses.....	197.90
Nov. 16	533	Peter A. Dey .....	Per diem and expenses, Exec. Com .....	58.20
Nov. 18	534	Tuttle & Robertson.....	Foundation stone .....	3,004.72
Nov. 18	535	John G. Foote .....	Pay-roll of workmen .....	3,443.62
Dec. 2	536	A. R. Fulton .....	Salary as secretary .....	100.00
Dec. 3	537	Des Moines Valley R. R....	Freight on granite.....	98.00
Dec. 3	538	Nicholas & Blasher.....	Ice from April 10 to Nov. 1, for office.....	14.75
Dec. 3	539	McDonnell & Meara.....	Repairing engine.....	8.05
Dec. 4	540	Treasurer of Polk Co.....	Taxes on Gaunt lots rt. of way for R. R..	56.25
Dec. 4	541	Des Moines Coal Co.....	Cement and coal .....	641.91
Dec. 5	542	Janes & Redhead .....	Brick on contract—final estimate.....	8,645.71
Dec. 5	543	Tuttle & Robertson.....	Foundation stone .....	2,079.08
Dec. 5	544	C. J. Pitman.....	Pitch, coal tar, and labor.....	257.62
Dec. 6	545	R. S. Finkbine.....	Per diem and expenses Exec. Com .....	206.00
Dec. 6	546	John G. Foote.....	Per diem and expenses, Supt. Finance.	106.40
Dec. 7	547	H. F. Getchell & Sons .....	Lumber.....	256.14
Dec. 7	548	J. K. & W. H. Gilchrist.....	Lumber.....	43.51
Dec. 7	549	Howell & Seeberger.....	Steel, iron, and hardware.....	31.06
Dec. 9	550	John G. Foote .....	Pay-roll of workmen.....	854.91
Dec. 9	551	O. H. P. Scott.....	Lock-stone for foundation .....	827.45
Dec. 17	552	J. M. Hedrick & Co.....	Advertising for stone.....	14.50
Dec. 17	553	McKisson & Bolton.....	Hardware and nails.....	23.19
Dec. 17	554	C. H. Ward.....	Turpentine, glass, and borax.....	1.80
Dec. 17	555	Brooks, Lendrum & Wilson	Repairs for machinery and trucks.....	35.45
Dec. 17	556	Hawk-Eye Printing Co.....	Advertising for stone .....	20.80
Dec. 17	557	Geo. D. Hall.....	Steel .....	18.26
Dec. 18	558	J. S. Clarkson, P. M.....	Postage stamps .....	5.00
Dec. 18	559	Tuttle & Robertson.....	Foundation stone .....	320.10
Dec. 18	560	R. S. Finkbine .....	Per diem and expenses Executive Com.	145.15
Dec. 18	561	John G. Foote .....	Per diem and expenses Supt. Finance..	105.45
Dec. 18	562	John G. Foote .....	Pay-roll of workmen.....	871.89
Dec. 18	563	Des Moines Water Co.....	Water furnished.....	113.08
		(Add for error, in reporting railroad voucher No. 329), 1871.....		.02
				\$122,407.89



## [EXHIBIT F.]

## CLASSIFIED STATEMENT

*Of expenditures in detail from April 17th, to December 31st, 1872.*

ON WHAT ACCOUNT.	AMOUNT.
Plans .....	\$ 609.35
Excavation and drainage .....	570.29
Stone .....	16,858.80
General expenses.....	114.32
Salaries.....	4,159.31
Stone, masonry .....	3,742.66
Brick, masonry .....	956.06
Concrete .....	186.25
Printing and advertising.....	349.38
General labor .....	5.60
Patterns.....	2.00
Stone-cutting.....	11,495.46
Railroad .....	1,490.97
Lumber and timber.....	675.75
Iron-work.....	151.81
Carpenter-work.....	429.64
Cement .....	1 204.75
Board of Commissioners.....	2,213.30
Miscellaneous.....	50.00
Fuel .....	167.16
Machinery and tools.....	1,290.92
Brick .....	22,551.60
Nails and hardware.....	63 29
Water-pipe and meter .....	535.58
Iron and steel .....	66.80
Water.....	113.08
Total.....	\$70,054.13

## [EXHIBIT G.]

## CLASSIFIED STATEMENT

*Of expenditures in detail for taking out and removing defective stone, and rebuilding foundations, in 1872.*

ON WHAT ACCOUNT.	AMOUNT.
Removing rejected stone .....	\$ 4,550.72
Foundation stone to replace those rejected.....	30,399.53
Stone-cutting .....	9,305.39
Salaries .....	1,122.35
Stone-masonry.....	5,325.70
Cement.....	1,525.27
Water .....	124.80
Total .....	\$52,353.76



## [EXHIBIT H.]

## CLASSIFIED STATEMENT

*Of the aggregate expenditures, in detail, from the commencement of the work to December 31st, 1872.*

ON WHAT ACCOUNT.	AMOUNT.
Plans.....	\$ 3,621.01
Excavation and drainage.....	12,624.40
Stone.....	61,418.93
Cistern.....	1,512.12
Sand.....	2,723.69
General expenses.....	1,323.05
Salaries.....	12,918.35
Stone-masonry.....	8,409.29
Brick-masonry.....	956.06
Concrete.....	2,494.01
Printing and advertising.....	1,730.68
General labor.....	5.60
Patterns.....	2.00
Stone-cutting.....	26,138.32
Railroad.....	9,105.59
Lumber and timber.....	2,181.70
Iron-work.....	488.08
Carpenter-work.....	1,090.81
Cement.....	7,373.55
Board of Commsisioners.....	6,824.96
Miscellaneous.....	62.13
Fuel.....	481.16
Machinery and tools.....	8,926.29
Brick.....	22,645.00
Nails and hardware.....	388.34
Water-pipe and meter.....	643.24
Iron and steel.....	169.12
Water.....	384.27
Total.....	\$196,641.75



## [EXHIBIT I.]

## GENERAL STATEMENT OF EXPENDITURES

*From January 1st, to December 31st, 1873.*

VOUCHER.	NO. OF VOUCHER.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	AMOUNT.
1873.				
Jan. 7	564	George D. Hall.....	Cast steel.....	\$6.48
Jan. 7	565	Hiram Robinson .....	Iron pipe .....	2.50
Jan. 7	566	Iowa State Register .....	Advertising for stone .....	25.00
Jan. 7	567	C., R. I. and P. R. R. ....	Switching granite .....	6 00
Jan. 8	568	A. R. Fulton.....	Salary as secretary.....	100.00
Jan. 11	569	John G. Foote.....	Pay-roll of workmen.....	29.92
Jan. 11	570	John G. Foote.....	Pay-roll of workmen.....	416.61
Jan. 11	571	David Armstrong.....	Granite, by Tuttle & Robertson.....	471.70
Jan. 11	572	S. A. Robertson.....	Sand screen.....	5.00
Jan. 11	573	Mills & Co.....	Printing letter and note headings.....	6.50
Jan. 13	574	Board of Commissioners...	Per diem and expenses.....	259.05
Feb. 4	575	A. R. Fulton.....	Salary as secretary.....	100.00
Feb. 4	576	Rich & Ryan.....	Advertising for stone.....	25.00
Feb. 5	577	John G. Foote.....	Pay roll of workmen.....	297.13
Feb. 6	578	Maturin L. Fisher.....	Per diem and expenses Ex. Committee	113.25
Feb. 7	579	L. P. Baker.....	Freight and express charges paid.....	2.20
Feb. 8	580	Board of Commissioners...	Per diem and expenses.....	190.15
Feb. 27	581	Ed Wright.....	Taxes p'd on Gaunt lots, R. R. r't of w.	127.08
Feb. 28	582	Tuttle & Robertson.....	Granite on special contract.....	427.82
Mar. 1	583	Board of Commissioners...	Per diem and expenses.....	393.15
Mar. 3	584	C. C. Carpenter .....	Expenses to Quincy, Ill., to see quarry	9.75
Mar. 3	584	Ed Wright.....	Paid for telegraphing stone account.....	8.25
Mar. 10	585	U. S. Express Co.....	Charges on plans from Springfield, Ill.	5.90
Mar. 10	586	H. F. Getchell & Sons.....	Lumber.....	79.10
Mar. 10	587	Howell & Seeberger.....	Iron and steel.....	7.48
Mar. 10	588	Prof. G. Hinrichs.....	Analyses of stone.....	75 00
Mar. 10	589	Des Moines Coal Co.....	Coal.....	61.20
Mar. 20	590	John G. Foote.....	Pay-roll of workmen.....	1,056.65
Mar. 20	591	Tuttle & Robertson.....	Granite on special contract.....	134.50
Mar. 20	592	O. H. P. Scott.....	Lock stone fo. foundation...	146.50
Mar. 20	593	Ed Wright.....	Salary as secretary.....	100.00
Mar. 20	593a	Board of Commissioners...	Per diem and expenses..	256.10
Mar. 22	594	Rep'n Print'g Co., Des M's	Printing specifications, etc., for stone.	18.72
Mar. 24	595	Richardson Brothers.....	Advertising for stone...	25.00
Mar. 24	596	R. S. Finkbine.....	Salary as overseer .....	183.00
Mar. 31	597	Ed Wright. ....	Salary as secretary .....	100.00
Apr. 16	598	John G. Foote .....	Pay-roll of workmen ...	433.66
Apr. 16	599	J. S. Clarkson, P. M.....	Postage stamps .....	15.00
Apr. 16	600	W. S. Dart.....	Rent on right of way for R. R.....	50.00
Apr. 16	601	John G. Foote.....	Per diem and expenses Supt. Finance.	89.95
Apr. 16	602	R. S. Finkbine.....	Expenses to Cedar Falls for granite....	23.25
May 1	603	A. H. Piquenard.....	Salary as architect for 5 months.....	1,500.00
May 1	604	R. S. Finkbine.....	Salary as overseer.....	250.00
May 1	605	Ed Wright.....	Salary as secretary.....	100 00
May 1	606	Ed Wright.....	Paid telegrams and expressage .....	15.99
May 2	607	H. F. Getchell & Sons.....	Lumber .....	54.51
May 2	608	Isaac Cooper.....	Globe valves and nipples.....	1.86
May 2	609	L. Fisher.....	Tallow for engines .....	7.20
May 2	610	S. A. Kelsey .....	Sewer pipe. ....	122.10
May 7	611	John G. Foote.....	Pay-roll of workmen. ....	1,795.45
May 7	612	Tuttle & Robertson.....	Foundation stone.....	1,531.40
May 7	613	John G. Foote.....	Per diem and expenses Supt. Finance.	63.80
May 19	614	Tuttle & Robertson.....	Foundation stone .....	1,877.78
May 20	615	John G. Foote.....	Pay-roll of workmen ...	3,781.70
June 2	616	Ed Wright. ....	Salary as secretary .....	109.27
June 2	617	Board of Commissioners...	Per diem and expenses ....	179.95
June 2	618	A. H. Piquenard.....	Salary as architect .....	300.00
June 2	619	Isaac Cooper.....	Gas-pipe and valve .....	7.77
June 2	620	Des Moines Water Co.....	Water furnished for May.....	15.65
June 2	621	Howell & Seeberger.....	Iron and hardware .....	72.99
June 2	622	Tuttle & Robertson.....	Foundation stone.....	2,229.77



## [EXHIBIT I]—CONTINUED.

DATE OF VOUCHER.	NO. OF VOUCHER.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	AMOUNT.
1873.				
June 2	623	Bolton Brothers.....	Nails and hardware.....	20.90
June 2	624	Des Moines Coal Co.....	Cement and coal.....	1,382.75
June 2	625	R. S. Finkbine.....	Salary as overseer.....	224.00
June 2	626	H. F. Getchell & Sons.....	Lumber.....	302.37
June 3	627	John G. Foote.....	Per diem and expenses Supt. Finance...	62.25
June 3	628	J. Rockey & Wagoner.....	4 extra heavy wheelbarrows for stone...	38.00
June 3	629	C. H. Ward.....	Paints and oils.....	20.30
June 4	630	John G. Foote.....	Pay roll of workmen.....	4,461.59
June 14	631	S. A. Kelsey.....	Sewer-pipe.....	45.46
June 21	632	R. S. Finkbine.....	Expenses to Quincy quarries, Ill.....	25.40
June 21	633	John G. Foote.....	Pay roll of workmen.....	6,254.12
June 30	634	Barnum & Overman.....	Granite on contract—base course.....	893.43
July 1	635	Tuttle & Robertson.....	Foundation stone.....	2,107.08
July 1	636	S. A. Kelsey.....	Sewer-pipe.....	78.12
July 1	637	Ed Wright.....	Salary as secretary and telegrams.....	104.50
July 1	638	Des Moines Coal Co.....	Cement and coal.....	1,640.65
July 1	639	H. F. Getchell & Sons.....	Lumber.....	95.87
July 2	640	Des Moines Water Co.....	Water furnished for June.....	20.50
July 2	641	Des Moines Valley R. R.....	Freight on granite.....	150.00
July 3	642	R. S. Finkbine.....	Salary as overseer for June.....	250.00
July 3	643	John G. Foote.....	Per diem and exp. F. C. visiting quarry	129.15
July 3	644	C. R. I. & P. R. R.....	Switching 8 cars.....	24.00
July 4	645	John G. Foote.....	Pay roll of workmen.....	4,506.45
July 4	646	Howell & Seeberger.....	Iron and nails.....	42.65
July 17	647	Edmunds & Ranson.....	Legal opinion in writing.....	10.00
July 17	648	Samuel E. Rankin.....	Wedges and rollers.....	10.82
July 17	649	A. H. Piquenard.....	Salary as architect for June.....	300.00
July 18	650	Isaac Cooper.....	Four valves.....	3.24
July 18	651	Brooks, Lendrum & Wilson.....	Five truck wheels and fitting.....	73.00
July 21	652	Tuttle & Robertson.....	Foundation stone.....	8,000.00
July 22	653	John G. Foote.....	Pay-roll of workmen.....	3,232.22
July 22	654	Tuttle & Robertson.....	Foundation stone, order J. R. Thomson	852.72
July 23	655	Board of Commissioners...	Per diem and expenses.....	372.85
Aug. 1	656	S. A. Kelsey.....	Balance on sewer-pipe.....	37.70
Aug. 2	657	Des Moines Coal Co.....	Cement and coal.....	1,407.41
Aug. 2	658	Ed Wright.....	Salary as secretary and telegraphing...	104.38
Aug. 2	659	Des Moines Valley R. R.....	Freight on granite for July.....	745.00
Aug. 2	660	Bolton Brothers.....	Iron, nails, and hardware.....	38.40
Aug. 2	661	Shepard & Hess.....	Tools for Iowa City quarry.....	175.69
Aug. 4	662	Barnum & Overman.....	Granite on contract.....	431.07
Aug. 4	663	Howell & Seeberger.....	Iron, steel, and tools.....	54.38
Aug. 4	664	C. R. I. & P. R. R.....	Freight and switching.....	843.51
Aug. 4	665	L. Robinson & Sons.....	Granite on contract.....	814.06
Aug. 5	666	John G. Foote.....	Pay-roll of workmen.....	4,006.12
Aug. 5	667	John G. Foote.....	Per diem and exp. Sept. of Finance.....	43.50
Aug. 5	668	R. S. Finkbine.....	Salary as overseer.....	198.00
Aug. 5	669	H. F. Getchell & Sons.....	Lumber.....	35.61
Aug. 5	670	Des Moines Water Co.....	Water furnished for July.....	16.50
Aug. 18	671	A. H. Piquenard.....	Salary as architect for July.....	300.00
Aug. 19	672	C. R. I. & P. R. R.....	Railroad fare for hands to quarry.....	78.85
Aug. 19	673	N. W. Smith.....	R. R. fare for self and hands to quarry.	22.85
Aug. 20	674	John G. Foote.....	Pay-roll for workmen at Des Moines...	3,099.85
Aug. 29	675	John G. Foote.....	Pay-roll for workmen at quarry.....	2,016.42
Aug. 29	676	D. A. Shafer.....	Lime, coal, & hauling lumber to quarry	125.25
Aug. 29	677	Glenn & Pryce.....	Shovels for quarry.....	5.66
Aug. 27	678	John P. Irish.....	Adv. and posters, "Hands for quarry."	7.25
Aug. 29	679	Paine & Marshall.....	Coal for blacksmith at quarry.....	16.25
Aug. 29	680	John H. Clark.....	Lumber for boarding-house at quarry...	555.52
Aug. 29	681	Shepard & Hess.....	Hardware and tools for quarry.....	734.78
Aug. 30	682	Board of Commissioners...	Per diem and expenses.....	156.50
Aug. 30	683	D. Moines Stone & Lime Co.	Balance due on final settlement.....	40.67
Aug. 30	684	Tuttle & Robertson.....	Balance due on final settlement.....	1,460.22
Aug. 30	685	Royce & Laird.....	Dimension-stone for foundation.....	335.54
Aug. 30	686	H. F. Royce.....	Dimens'n and rubble stone for found'n	846.05
Sept. 1	687	Des Moines Valley R. R.....	Freight on granite.....	325.00
Sept. 1	688	H. F. Getchell & Sons.....	Lumber for centering.....	72.00
Sept. 1	689	Howell & Seeberger.....	Iron and tools.....	10.98
Sept. 1	690	Finkbine & Lovelace.....	Two derricks complete, for quarry.....	280.00
Sept. 1	691	Wells, Timberman & Co.....	Two derricks complete, for quarry.....	420.00
Sept. 1	692	Des Moines Coal Co.....	Cement and coal.....	1,066.63
Sept. 2	693	Barnum & Overman.....	Granite on contract.....	906.42
Sept. 2	694	Argillo Works.....	Sectional sewer-pipe for main sewer...	400.00



## [EXHIBIT I]—CONTINUED.

DATE OF VOUCHER.	NO. OF VOUCHER.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	AMOUNT.
1873.				
Sept. 2	695	Ed Wright .....	Salary as secretary and expressage .....	100.60
Sept. 2	696	Bolton Brothers .....	Steel, nails, and tools .....	50.75
Sept. 3	697	John G. Foote .....	Pay-roll for work men at Des Moines...	2,464.07
Sept. 3	698	Des Moines Water Co. ....	Water furnished for August .....	16.00
Sept. 3	699	R. S. Finkbine .....	Salary as overseer and exp. at quarry ..	281.35
Sept. 3	700	John G. Foote .....	Per diem and exp. Sept. of Finance.....	131.00
Sept. 3	701	C. R. I. & P. R. R., Iowa City.	Freight on derricks and tools.....	58.46
Sept. 3	702	C. R. I. & P. R. R. ....	Freight and switching for August .....	167.88
Sept. 12	703	C. R. I. & P. R. R., Iowa City.	Freight on two derricks.....	125.60
Sept. 12	704	L. P. Baker.....	Hauling and express charges paid.....	1.10
Sept. 18	705	John G. Foote.....	Pay-roll of work men at Des Moines.....	2,514.05
Oct. 3	706	A. H. Piquenard .....	Salary as architect—material for plans...	945.80
Oct. 3	707	Ed Wright .....	Salary as Sec'y, telegraphing and exp...	113.38
Oct. 3	708	R. S. Finkbine .....	Salary as overseer .....	269.75
Oct. 3	709	John G. Foote.....	Per diem and exp. Sept. of Finance.....	154.70
Oct. 3	710	Des Moines Coal Co. ....	Coal for blacksmith shop and engine...	55.55
Oct. 4	711	Des Moines Valley R. R. ...	Freight on granite for Sept .....	315.00
Oct. 4	712	C. R. I. & P. R. R. ....	Freight and switching for Sept.....	958.30
Oct. 3	713	Barrett, Arnold & Kimball	Thirty casks pitch .....	204.00
Oct. 4	714	John G. Foote.....	Pay-roll of workmen at Des Moines.....	3,583.52
Oct. 4	715	John G. Foote.....	Pay-roll of workmen at Iowa City .....	6,176.13
Oct. 4	716	Charles Carson.....	Labor at Iowa City quarry.....	92.97
Oct. 4	717	Barnum & Overman.....	Granite on contract .....	946.18
Oct. 4	718	Bolton Brothers .....	Iron and hardware .....	61.50
Oct. 3	719	Des Moines Water Co. ....	Water furnished for Sept.....	10.00
Oct. 3	720	Frank Pelton .....	Engineering .....	5.00
Oct. 3	721	Shepard & Hess. ....	Nails and hardware for quarry .....	262.76
Oct. 3	722	John H. Clark .....	Lumber for quarry .....	23.13
Oct. 18	723	Paine & Marshall.....	Coal for blacksmith shop at quarry.....	39.65
Oct. 18	724	L. Robinson & Sons .....	Granite on contract.....	194.54
Oct. 18	725	John G. Foote.....	Pay-roll of workmen at Des Moines.....	3,677.95
Oct. 22	726	Barrett, Arnold & Co. ....	Thirty casks of pitch.....	143.94
Oct. 22	727	A. H. Swan, Atty.....	Rent on R. R. right of way—Gaunt lots	240.00
Oct. 24	728	Martin Tuttle.....	One car load brown lime.....	90.00
Oct. 24	729	J. S. Clarkson, P. M. ....	Postage stamps .....	15.00
Oct. 24	730	Board of Commissioners...	Per diem and expenses.....	134.80
Oct. 24	731	A. H. Piquenard.....	Salary as architect for October .....	300.00
Nov. 1	732	John G. Foote.....	Pay-roll of workmen at Des Moines.....	389.07
Nov. 3	733	Des Moines Coal Co. ....	Cement and coal .....	1,076.70
Nov. 3	734	Howell & Seeberger.....	Tools and zinc for patterns.....	14.88
Nov. 3	735	C. H. Ward .....	Oils, turpentine, and paints .....	28.20
Nov. 3	736	Bolton Brothers.....	Nails and hardware .....	2.69
Nov. 3	737	C. R. I. & P. R. R. ....	Freight on stone and switching.....	989.50
Nov. 3	738	Des Moines Valley R. R. ...	Freight on granite.....	410.00
Nov. 3	739	Ed Wright .....	Salary as secretary and expressage .....	103.95
Nov. 3	740	John G. Foote.....	Per diem and exp. Supt. of Finance.....	96.95
Nov. 3	741	R. S. Finkbine .....	Salary as overseer .....	230.50
Nov. 3	742	R. M. Bixby & Bro.....	Stove and pipe for quarry office.....	9.75
Nov. 3	743	Sickles & Whedon.....	Ames' shovels for quarry .....	6.88
Nov. 3	744	Shepard & Hess.....	Iron and hardware for quarry.....	85.18
Nov. 3	745	Des Moines Water Co. ....	Water furnished for October .....	12.11
Nov. 4	746	Barnum & Overman.....	Granite.....	225.66
Nov. 5	747	John G. Foote.....	Pay-roll of workmen at Des Moines.....	3,802.23
Nov. 5	748	John G. Foote.....	Pay-roll of workmen at Iowa City .....	6,140.56
Nov. 18	749	John G. Foote.....	Pay-roll of workmen at Iowa City .....	162.00
Nov. 18	750	John G. Foote.....	Pay-roll of workmen at Iowa City .....	550.98
Nov. 19	751	H. F. Getchell & Sons .....	Lumber .....	38.92
Nov. 19	752	A. Dickey .....	Sewer-pipe for arches .....	2.00
Nov. 19	753	Loughran & Hillis.....	Twee irons .....	5.00
Nov. 19	754	Jacob Rockey.....	Repairing heavy wagon .....	20.75
Nov. 19	755	Skinner & Brother.....	Rub-stones for cutters .....	2.50
Nov. 19	756	Wm. Franklin .....	Repairing road to quarry.....	13.12
Nov. 19	757	N. Oaks.....	Brick furnished quarry .....	13.00
Nov. 19	758	G. J. Smith.....	Repairing heavy wagon .....	8.75
Nov. 19	759	Northup & Gilmore.....	Repairing heavy wagon .....	20.55
Nov. 19	760	John G. Foote.....	Pay-roll of workmen at Des Moines...	3,747.86
Dec. 4	761	John G. Foote.....	Pay-roll of workmen at Iowa City.....	2,724.76
Dec. 4	762	John G. Foote.....	Pay-roll of workmen at Des Moines.....	445.33
Dec. 4	763	C. R. I. & P. R. R. ....	Freight on stone, and switching .....	640.90
Dec. 4	764	Des Moines Valley R. R. ...	Freight on granite.....	85.00
Dec. 4	765	L. Robinson & Sons .....	Balance due on granite.....	401.61
Dec. 5	766	H. F. Getchell & Sons.....	Lumber .....	110.00
Dec. 5	767	Waldron Brothers .....	One truck car .....	32.62



## [EXHIBIT I]—CONTINUED.

DATE OF VOUCHER.	NO. OF VOUCHER.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	AMOUNT.
1873.				
Dec. 5	768	Iowa State Register.....	Advertising, iron beams and brick ..	\$16.00
Dec. 5	769	C. H. Ward.....	Oils and argand chimneys ..	4.35
Dec. 5	770	H. Robinson & Co .....	Valve, etc.....	4.75
Dec. 5	771	Bolton Brothers.....	Glass, nails and zinc.....	9.85
Dec. 5	772	Ed Wright.....	Salary as secretary and expenses.....	100.60
Dec. 16	773	R. S. Finkbine.....	Salary as overseer.....	235.83
Dec. 16	774	A. H. Piquenard.....	Salary as architect.....	300.00
Dec. 16	775	R. S. Finkbine.....	Salary as overseer and expenses.....	36.27
Dec. 16	776	John H. Clark.....	Lumber and wood at quarry ..	8.85
Dec. 16	777	John G. Foote.....	Per diem and expenses Supt. Finance.	118.30
Dec. 16	778	Des Moines Coal Co.....	Fuel .....	29.30
Dec. 16	779	L. Fisher.....	40 pounds tallow.....	3.20
Dec. 16	780	Richardson Brothers .....	Advertising (Davenport Democrat)....	17.50
Dec. 16	781	Board of Commissioners..	Per diem and expenses.....	315.55
				<u>\$126,644 37</u>

Vouchers Nos. 766 to 774 inclusive, amounting to \$814.00, were paid with moneys received from the sureties of David Armstrong, December 5th, 1873, as part payment of the amount due from said Armstrong as damages for the non fulfillment of his contract for furnishing granite for base-course. ....\$800.00

To over-charge of freight on two derricks to Iowa City ..... 14.00— \$814.00

\$125,830.37



## [EXHIBIT J.]

## CLASSIFIED STATEMENT

*Of expenditures in detail from January 1st to December 31st, 1873.*

ON WHAT ACCOUNT.	AMOUNT.
Plans .....	322.10
Excavation and drainage .....	2,980.59
Stone .....	28,007.79
General expenses .....	52.06
Salaries .....	8,585.07
Stone-masonry .....	6,301.92
Brick-masonry .....	6,879.17
Concrete .....	1,895.67
Printing and advertising .....	133.72
General labor .....	44.99
Patterns .....	72.86
Water .....	90.76
Rubble-masonry .....	4,765.97
Stone-cutting .....	25,129.56
Railroad .....	1,072.18
Lumber and timber .....	757.46
Carpenter-work .....	1,848.05
Cement .....	6,244.07
Board of Commissioners .....	2,318.35
Fuel .....	476.12
Machinery and tools .....	426.34
Nails and hardware .....	69.98
Water-pipe and meter .....	4.22
Iron and steel .....	83.74
Stone setting, basement story .....	863.35
Brick-masonry, basement story .....	2,323.51
Iowa City quarry .....	24,080.77
Total expenditures for the year 1873 .....	\$125,830.37



## [EXHIBIT K.]

## CLASSIFIED STATEMENT

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

ON WHAT ACCOUNT.	AMOUNT.
Plans .....	\$3,943.11
Excavation and drainage.....	15,604.99
Stone .....	89,426.72
Cistern.....	1,512.12
Sand .....	2,723.69
General expenses.....	1,375.11
Salaries .....	21,503.42
Stone-masonry .....	14,711.21
Brick-masonry .....	7,835.23
Concrete .....	4,389.68
Printing and advertising.....	1,864.40
General labor .....	50.59
Patterns.....	74.86
Water.....	475.03
Rubble-masonry.....	4,765.97
Stone-cutting.....	51,267.88
Railroad .....	10,177.77
Lumber and timber.....	2,939.16
Iron-work.....	488.08
Carpenter-work .....	2,938.86
Cement .....	13,617.62
Board of Commissioners .....	9,143.31
Miscellaneous .....	62.13
Fuel .....	957.28
Machinery and tools.....	9,352.63
Nails and hardware.....	458.32
Water-pipe and meter .....	647.46
Brick .....	22,645.00
Iron and steel .....	252.86
Stone-setting, basement story .....	863.35
Brick-masonry, basement story.....	2,323.51
Iowa City quarry .....	24,080.77
Removing and replacing rejected material .....	52,353.76
Total expenditures to December 31st, 1873 .....	\$374,825.88



## [EXHIBIT L.]

## CONSOLIDATED STATEMENT OF EXPENDITURES AND APPROPRIATIONS.

Classified statement of expenditures on the new Capitol building from the commencement of the work in July, 1870, to December, 1873, showing in detail—

1st. A classified statement of the expenditures by the first Board of Commissioners from the commencement of the work to January 1st, 1872, and reported to the Governor.

2d. A classified statement of the expenditures by the first Board from January 2d to April 17th, 1872, and not reported.

3d. A classified statement of the expenditures by the present Board from April 18th, to December 31st, 1872, including expenditures, removing and replacing rejected material, as directed by Chapter 35, General Laws, 1872.

4th. A classified statement of the expenditures by the present Board from January 1st to December 31st, 1873.

5th. A classified statement of the expenditures in the aggregate from the commencement of the work to December 31st, 1873.

CLASSIFICATION OF ACCOUNTS.	1 Expenditures to Jan. 1, 1872, and reported.	2 Expenditures from Jan. 2 to Apr. 17, 1872, and not reported.	3 Expenditures from Apr. 18 to Dec. 31, 1872.	4 Expenditures from Jan. 1 to Dec. 31, 1873.	5 Aggregate expenditures from commencement to December 31, 1873.
Plans.....	\$2,351.22	\$660.44	\$609.35	\$322.10	\$3,943.11
Excavation and drainage.....	11,972.36	81.75	570.29	2,980.59	15,604.99
Stone.....	41,928.63	2,631.50	16,858.80	28,007.79	89,426.72
Cistern.....	1,512.12				1,512.12
Sand.....	2,350.00	373.69			2,723.69
General expenses.....	1,143.95	64.78	114.32	52.06	1,375.11
Salaries.....	7,159.04	1,600.00	4,159.31	8,585.07	21,503.42
Stone-masonry.....	4,666.63		3,742.66	6,301.92	14,711.21
Brick-masonry.....			956.06	6,879.17	7,835.23
Concrete.....	2,307.76		186.25	1,895.67	4,389.68
Printing and advertising.....	1,327.80	53.50	349.38	133.72	1,864.40
General labor.....			5.60	41.99	50.59
Patterns.....			2.00	72.86	74.86
Water.....	271.19		113.08	90.76	475.03
Rubble masonry.....				4,765.97	4,765.97
Stone-cutting.....	14,642.86		11,495.46	25,129.56	51,267.88
Railroad.....	7,428.85	185.77	1,490.97	1,072.18	10,177.77
Lumber and timber.....	1,484.35	21.60	675.75	757.46	2,939.16
Iron-work.....	336.27		151.81		488.08
Carpenter-work.....	661.17		429.64	1,848.05	2,938.86
Cement.....	6,168.80		1,204.75	6,244.07	13,617.62
Board of Commissioners.....	3,910.46	701.20	2,213.30	2,318.35	9,143.31
Miscellaneous.....		12.13	50.00		62.13
Fuel.....	229.80	84.20	167.16	476.12	957.28
Machinery and tools.....	7,598.17	37.20	1,290.92	426.34	9,352.63
Nails and hardware.....	242.81	82.24	63.29	69.98	458.32
Water-pipe and meter.....	107.66		535.58	4.22	647.46
Brick.....	93.40		22,551.60		22,645.00
Iron and steel.....	102.32		66.80	83.74	252.86
Stone-setting, basement story.....				863.35	863.35
Brick-masonry, basement story.....				2,323.51	2,323.51
Iowa City quarry.....				24,080.77	24,080.77
*Removing and replacing rej'd mater'l.....			52,353.76		52,353.76
Totals.....	\$119,997.62	\$6,590.00	\$122,407.89	\$125,830.37	\$374,825.88
Appropriation made by Chapter 110, Laws Thirteenth General Assembly.....					\$150,000.00
Appropriation for the year 1872, made by Chapter 35, General Laws Fourteenth General Assembly.....					100,000.00
Appropriation for the year 1873, made by Chapter 35, General Laws Fourteenth General Assembly.....					125,000.00
Total appropriation to December 31st, 1873.....					\$375,000.00
Total expenditures classified as shown above to December 31st, 1873.....					374,825.88
Balance of appropriations undrawn December 31st, 1873.....					\$174.12

\*For detailed statement, see report of Committee, page 14, and Exhibit "G," page 35.



## NO. VIII.

*Report of the Architect for the years 1872 and 1873.*

TO THE HONORABLE BOARD OF NEW STATE CAPITOL COMMISSIONERS  
OF IOWA.

*Gentlemen:*—I respectfully submit my report of the general progress of the work on the State Capitol for the last two years, thus including such part of the year 1872 in which Messrs. Cochrane and Piquenard were your Architects.

The report of the overseer of the work will give you all the details necessary to the perfect understanding of the cost of the different parts of the work, and the time of labor as well as the quantity of each material that has been used in each and every part of the building.

One of the first acts of your Board has been to award the contract for 2,000,000 of bricks on proposals made on the advertisement of your predecessors. Messrs. Janes & Redhead, the lowest bidders, were the successful contractors, and have fulfilled their contract in a satisfactory manner.

You contracted with Mr. David Armstrong to furnish the granite of the lower base of the building at the price of \$1.47½ per cubic foot. Mr. Armstrong was already the contractor for the granite coping that he continued to furnish all along the year 1872, the last car arriving only the fourth day of November. This contractor has not been able to fulfil his second contract, and with his consent and the consent of his sureties, you contracted with Messrs. Barnum & Overman, of Cedar Falls, to furnish the balance of said contract at the price of \$1.75 per cubic foot, the first contractor sustaining the loss of the difference in price.

Messrs. Barnum & Overman have fulfilled their contract—part of the granite delivered being from boulders and part from the Saux Rapids, Minnesota, granite quarry.

All of this granite has already been cut, except three pieces which will be completed this winter, before needed in the building.

In compliance with the resolutions of the General Assembly, your Board ordered the removal of such parts of the foundation which could not be considered perfectly safe to remain. A larger quantity than first expected had to be replaced, as after the experience of the preceeding year, your Board properly thought that it was better to remove all the stone coming from the Rock Creek quarry, but five good pieces, which would have cost too much to remove and which are placed where they could not injure the building, even if ever they did decay, which is not to be supposed.

Your Board having decided to use in the foundation the stone from the Winterset quarries, proved by past experience as well as by scientific investigation, to be good and durable, the work on the cellar walls has been pushed with vigor and the last month of October has seen the cellar fully completed, including the heavy foundation of the dome, the rubble stone walls replacing brick walls first intended for the walls of the corridors, the sewerage, the brick piers, and the brick arched ceilings of said cellar properly concreted in cement and pitched over



to keep it dry. The total expense of the same has been (exclusive of the cost of repairs) \$218,099.87, including 20 per cent. of the cost of railroad and machinery, or \$214,055.41 without these items.

Besides this work, the repairs have forced the removal and replacing of 2,352 cubic yards of dimension stone, 1,729 yards of which had to be altogether replaced, the whole cost being \$52,353.76.

The estimate of the cost of the work of the cellar was as follows:

Excavation.....	\$ 6,500.00	
Concrete work.....	24,650.00	
Heavy masonry.....	145,440.00	
Brick-work, (part of this has been replaced by masonry) .....	35,542.00	
Sewerage, (actual cost).....	1,855.00	
Concreting of arches, etc.....	3,500.00	
		<hr/>
		\$217,487.00
Add to this:		
Difference between rubble and brick.....	\$ 2,583.75	
Addition by granite coping.....	2,729.00	
		<hr/>
		5,312.75
		<hr/>
		\$222,799.75

Before giving the price of the work per cubic yard for the stone masonry and per thousand for the brick masonry, it is proper to remark that no comparison of the price can be made with the price of work of the same class as generally measured.

We made our measurement by exact cubic contents and by exact number of bricks used, (20 to a cubic foot)- when the lowest constructive measurement ever allowed in buildings give 21 bricks to one foot. Measure two sides of a brick pier for the face, allow two-thirds of the height of arches for the thickness of the same, and measure the angles in both walls. In Iowa as in many parts of the west the measurement is more liberal yet, it allows  $22\frac{1}{2}$  bricks to a cubic foot, does not deduct any openings and takes the heaviest part of the wall for the thickness of the whole. It is principally in arches that these constructive measurements raise the number of bricks. Same differences exist in stone masonry, so that we find in rubble masonry instead of 948 yards that we have found it would have measured 1,102 yards, and it would diminish the cost from \$14.15 per yard to \$12.09, the whole cost of same being \$14,422.77.

The difference in measurement of bricks is as follows: We find kiln account 1132 thousand, costing \$21.17 per thousand delivered and laid in cement mortar, when a fair measurement would have made it 2286 thousand, reducing the cost to  $\$10.46\frac{1}{2}$ , and the Iowa way of computing would have augmented it to 2787 thousand, at only  $\$8.33\frac{1}{3}$ .

The difference in dimension stone-masonry is but slight, being only in the skew of the piers of the dome and the arches. This work cost us \$25.61 per yard.

Your Board accepted the proposal of Messrs. Munson & Turner, of Quincy, Illinois, to furnish stone for the superstructure from their Millville quarries at the price of \$18.90 per cubic yard; a very favorable



price to the State, principally as the stone is most beautiful in texture and color. But after a long delay accorded these parties, on account of the difficulty they experienced in preparing their quarry, to fulfill their contract, they did not send us such stone that your Board or myself could accept, the pieces sent (four car-loads) having dark veins, some of them appearing even to be open seams, which would be a blemish to their appearance and might become dangerous, in some cases, if used. With my advice that it would be better to use a darker and rather coarse grained stone for the outside basement wall, the rough-pointed finish of the same being well fitted for such stone, and in consideration of the facility with which good stone could be used above the basement without bad effect of color, your Board decided to give Munson & Turner further time to develop their quarry, and to use for the basement the stone from Iowa City, that past experience of over thirty years has proved to be sound and good, and you decided to employ men yourselves to quarry the same, so as to be certain to have it in time.

It is yet impossible to tell precisely the cost of this stone per cubic yard, most of the expense already incurred being for machinery, tools, buildings for men, and for stripping a large surface for work in winter; all such expense will have to be subdivided on the total amount of stone delivered after deducting the value of the machinery and buildings remaining.

There has already been delivered over 15,000 cubic feet of this stone, most of it cut and part set in the building, and the quarry is so well prepared that no delay is expected in the easy delivery of all quantities required.

The expense for all work above the cellar, not including salaries, has been \$67,125.92, divided as follows:

Granite and cutting.....	\$16,718.58
Iowa City stone and cutting.....	31,480.17
Setting.....	863.35
Brick and brick-work.....	17,173.43
Carpenter work and lumber on hand.....	890.39

Your Board terminated their labors this year in awarding the contract for iron beams (nearly 200,000 pounds) for the first floor to the Union Foundry Works of Chicago, at the low price of 5 9-10 cents per pound, and for 1,000,000 of brick to Francis Geneser, of Des Moines, at the rate of \$10.45 per thousand, 75 cents less than the preceding contract.

Toward the time the repairs of the foundation walls were in progress Mr. J. C. Cochrane tendered his resignation, for the reason that the pressure of his business in Chicago would not give him the time to properly attend to his duties on the building. His resignation was duly accepted by your Board, and I was appointed sole architect. Since then I had to prepare the necessary plans and drawings for the basement story, with the diagrams of the outside walls of the same, the framing plan and working drawings of the iron work for the first floor, and prepare the specifications of said stone, iron and brick work for the use of the contractors and of your Board, besides attending to the general superintendence of the work.

In relation to the prosecution of the work on the building, I think I may with perfect propriety, acknowledge the wisdom of your selection



in appointing Mr. R. S. Finkbine, one of your members, as overseer of the work; his past experience and well known ability as a builder, having been of the greatest service to myself in the execution of the plans, and has been, with the help of your Superintendent of finance and your Secretary, the principal reason that the work has been done at a lower rate than I could have expected in judging from the price paid contractors after open competition on other buildings of the same class. The quality of the work done under his direction, shows for itself, and can certainly be compared favorably with any other in the country.

I consider it part of my duty, as 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 interest of the State to have a sufficient appropriation 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, and with the present appropriation it will take ten more years to complete the building, which is certainly five years more than necessary. These five years of extra expense could easily be saved to the State, and work is also done at a lower price when done in large quantities.

Respectfully submitted,

A. H. PIQUENARD, *Architect.*







# THIRD BIENNIAL REPORT

OF THE

## BOARD

OF

## CAPITOL COMMISSIONERS

TO THE

## Governor of Iowa.

NOVEMBER 30, 1875.

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



## BOARD OF COMMISSIONERS.

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

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



## REPORT OF BOARD OF COMMISSIONERS.

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

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

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

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

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

Influenced by these considerations, the Commissioners determined



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

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

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

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

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

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



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

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

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

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

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

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



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

ORIGINAL BID OF THE ST. GENEVIEVE COMPANY.

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

CONTRACTS AS MADE.

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

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

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

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



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

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

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

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

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



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

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

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

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

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

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

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

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



## NUMBER ONE.

## REPORT OF THE EXECUTIVE COMMITTEE ON IOWA CITY QUARRY.

*To the Board of Capitol Commissioners :*

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

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

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

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



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

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

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

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

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

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

*Executive Committee.*

*Des Moines, April 22, 1875.*



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

29,072 feet of lumber.....	\$ 589.27
Hauling lumber to quarry .....	41.00
Shingles .....	1.75
Sash and glass.....	37.40
10 bushels lime.....	5.00
1,800 brick.....	13.00
Building paper.....	19.38
Hardware .....	23.38
Hauling tools and material.....	125.20
2 stoves and pipes.....	15.75
Labor paid by voucher.....	45.75
801 pounds nails.....	44.06
	<hr/>
	\$ 960.94

*Tools and Machinery.*

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



*Iron Purchased.*

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

*Steel Purchased.*

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

*Rope Purchased.*

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

*Repairs on Tools.*

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

*Miscellaneous Expenses.*

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



*Miscellaneous Supplies.*

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

*Superintendent of Finance.*

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

*Overseer of Construction.*

Per diem.....	\$ 456.76
Expenses.....	154.07
	<hr/>
	\$ 610.83

*Railroad Freight.*

On tools and machinery.....	\$ 325.76
On stone.....	9,216.28
	<hr/>
	\$ 9,542.04

Hauling stone to railroad.....	\$ 7,752.16
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*Labor at Quarry,— Superintendent and Foreman.*

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



*Blacksmith and Helper.*

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

*Drillers and Scabblers.*

845 9-10 days, at \$2.50.....	\$ 2,114.67
1,680 2-10 days, at 2.25.....	3,780.42
5,448 3-20 days, at 2.00.....	10,896.30
5,269½ days, at 1.75.....	9,219.60
148½ days, at 1.62.....	240.97
246 days, at 1.50.....	368.99
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13,683½.....	\$26,620.95

*Carpenters.*

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

*Teams in Quarry.*

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

*Laborers.*

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

*Tool and water boys.*

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



*Labor, at loading derrick.*

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

*Riggers.*

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

*Recapitulation of labor.*

Foreman	767½	days	\$ 3,484.22
Blacksmiths	762½	days	2,088.12
Drillers and scabblers	13,638½	days	26,620.95
Carpenters	290½	days	599.37
Teams	328	days	980.38
Laborers	6,368½	days	10,269.69
Water and tool boys	661½	days	714.45
At loading derrick	400½	days	902.37
Riggers	7 19-20	days	19.30
	23,225¾	days	\$ 45,678.85

*Recapitulation of cost.*

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



*Account of sales of buildings and tools.*

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



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

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

*Summary.*

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

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NUMBER TWO.

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

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*To the Board of Capitol Commissioners :*

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



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

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

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

#### MINORITY REPORT.

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

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

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

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

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



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

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

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

MATURIN L. FISHER.

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### NUMBER THREE.

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

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*To the Iowa State Capitol Commissioners:*

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



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

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

Sandstones—

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

Limestone—

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

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

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

All of which is respectfully submitted.

A. H. PIQUENARD,  
*Architect Iowa State Capitol.*



## NUMBER FOUR.

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

*To the Capitol Commissioners :*

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

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

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

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



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

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

Respectfully submitted,

R. S. FINKBINE,  
*Overseer of Construction.*

#### STATEMENT.

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

##### *Materials Purchased.—Stone.*

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

##### *Brick.*

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

##### *Cement.*

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



*Sand.*

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

*Lime.*

S. A. Robertson..... 447 $\frac{1}{8}$  bushels.  
 Sundry parties ..... 184 bushels.  
 Total..... 631 $\frac{1}{8}$  bushels.

*Water.*

Des Moines Water Company..... 649,818 gallons.

*Cast Iron.*

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

*Wrought Iron.*

In floor-beams ..... 196,772 pounds.  
 In Angle irons..... 2,380 pounds.  
 In bolts and rivets..... 1,109 pounds.  
 In bar and rod..... 5,889 $\frac{1}{2}$  pounds.  
 Total..... 206,150 $\frac{1}{2}$  pounds.

Cast Steel..... 258 $\frac{1}{4}$  pounds.

Nails..... 2,903 pounds.

Sheet zinc for patterns ... 1,696 $\frac{1}{2}$  pounds.

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

Coal..... 8,616 $\frac{7}{8}$  bushels.

Five loads of slack.....

*Oil.*

For derricks..... 61 $\frac{1}{2}$  gallons.  
 For engines ..... 142 $\frac{1}{2}$  gallons.

Total..... 204 gallons.

Tallow..... 82 pounds.

*Car Repairs.*

Iron work.....\$ 225.45  
 Wood work..... 21.90

Total..... \$ 247.35



*Engine Repairs.*

Valve .....	\$ 2.15
Valve-rod.....	2.85
Globe-valves .....	6.30
Gauge-cocks.....	2.65
Oil-cups .....	13.05
Steam-gauge .....	7.10
Hoisting spools.....	39.80
Smoke-stack .....	5.00
Rubber packing.....	16.50
Steam-chest repairs .....	5.70
Machine-work .....	16.70
Pipe.....	.45
Cotton-waste.....	10.50
Total .....	\$ 128.75

*Repairs to Derricks.*

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

*New Tools and Machinery.*

1 smith's vise.....	\$ 15.30
1 sand-screen.....	10.50
Pulley-blocks.....	16.79
Rope .....	170.83
Hose couplings and water-pipe.....	155.68
452 pounds cable-chain.....	43.66
1 10-ton scale.....	200.00
1 portable forge.....	56.43
2 ratchet drills.....	41.65
1 hoisting engine .....	2,000.00
1 hoisting engine .....	1,250.00
Railroad freight on engines .....	116.00
2 stone jacks.....	207.40
Stone rubber castings.....	59.15
42 wire-rope sockets.....	94.50
29 lewis irons .....	96.75
6 clevises.....	5.00
3 pairs hooks.....	21.00
New truck cars.....	141.28
885 feet of $\frac{1}{8}$ steel wire rope.....	365.49
2,720 feet of galvanized iron wire rope.....	428.60
Miscellaneous tools .....	287.42
Total.....	\$ 5,783.43



*Cost of New Steam Buggy Derrick.*

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

*Cost of New Steam Boom Derrick.*

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

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

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

*Cost of Step to set Derrick on.*

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

*Railroad Materials and Repairs.*

Taxes on right of way ground.....	\$ 332.74
Rental on right of way ground.....	580.00
350 lbs. spikes.....	23.52
7,240 lbs. of T rail.....	296.02
Railroad ties .....	19.00
Iron for bridge over Court Avenue.....	87.52
Lumber.....	215.11
Labor, repairs to road and bridge.....	911.62
	\$ 2,465.53
Less old ties sold.....	5.40
Total expense of railroad.....	\$ 2,460.13



*Cost of Shop for Stone Cutting.*

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

*Materials used.*

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

*Cement used.*

In stone masonry.....	7,578 pounds.
In concrete work.....	117,225 pounds.
In brick work.....	1,963,992 pounds.
Total 7,882 barrels.....	2,088,795 pounds.
Water.....	649,818 gallons.

*Coal used.*

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

For engines, five loads of slack.

*Lumber used.*

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

*Cast iron used.*

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

In floor-beams.....	196,772	pounds.
In angle irons.....	2,380	pounds.
In bolts and rivets.....	1,109	pounds.
In new derricks.....	1,734	pounds.
In old derricks.....	268½	pounds.
In tools and machinery.....	427½	pounds.
In railroad bridge.....	1,093	pounds.
For miscellaneous purposes.....	2,564½	pounds.
Cast steel in tools and machinery.....	258½	pounds.

Total..... 206,606½ pounds.

The framing of the iron floor beams and the setting of the beams, plates, and columns cost 45<sup>9</sup> cents per 100 pounds.

Nails used..... 2903 lbs.

Sheet zinc used for patterns..... 687½ lbs.

*Brick Laid.*

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

Total cubic feet..... 215,156 5

*Brick (kiln count.)*

In walls.....	3,677,657
In cylindrical arches.....	95,136
In groined arches.....	99,882

Total bricks laid..... 3,872,675

Concrete on arches..... 14,349 ft. 4 in.

*Dimension Stone set.—Basement Story.*

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

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



*Office Story.*

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

## CLASSIFICATION BY STORIES.

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

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

Expenditures for plans.....	\$ 4,023.71	
Expenditures for cistern.....	1,512.12	
Expenditures for railroad.....	12,637.90	
Expenditures for tools and machinery.....	18,807.33	
Expenditures for water pipe and meter.....	737.44	
Expenditures for main sewer .....	1,272.28	
Expenditures for printing and advertising.....	2,048.15	
Expenditures for board of commissioners .....	12,317.37	
General and miscellaneous expenditures.....	1,642.35	
Expenditures for repairs on foundation.....	52,353.76	\$107,352.41
Expenditures for foundation to ground line.....		214,055.41
Expenditures for basement story.....		210,803.28
Expenditures for first story to November 30, 1875.		217,449.56
Cash unexpended.....		339.34
		<hr/>
Total expenditures to November 30, 1875.....		\$750,000.00



TABLE No. 1,

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

	Foremen of stone-cutters and brick masons.	Superintendent of carpenter and iron work, riveters and surveyors	Stone-setters, stone cutters and brick masons.	Stone-cutters, brick masons and carpenters.	General foreman of laborers and superintendent of derricks.	Blacksmiths and carpenters.	Team and driver.	General foreman of laborers and superintendent of derricks, engineers & brick-masons.	Brick masons, riggers, & carpenters.	Cart, horse and driver.	Foremen of derricks, foremen of concrete, & blacksmith's helper.	Carpenters, sand-sifters, brick and mortar carriers, drillers and iron drillers.	Derrick laborers & carpenters helpers, laborers on railroad, etc.	Common laborers and rubbers.	Water boys.	Total days from Jan. 1, to Dec. 31, 1874.
	\$5.00 pr d'y	\$4.00 pr d'y	\$3.75 pr day	\$3.50 pr d'y	\$3.25 pr d'y	\$3.00 pr d'y	\$3.00 pr d'y	\$2.75 pr day	\$2.50 pr d'y	\$2.50 pr d'y	\$2.00 pr d'y	\$1.75 pr day	\$1.65 pr day	\$1.50 pr day	\$0.75 pr d'y	
Stone cutting—foreman and cutters.....	364.00	.50	146.25	7.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	518.15
Stone cutting—handling and tool sharpening.....	.....	.....	.....	.....	.....	190.85	.30	210.85	107.60	2.25	457.70	752.20	1,474.55	697.65	203.65	4,097.60
Rubbing stone.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	47.50	.....	47.50
Extra handling stone.....	.....	.....	.....	.....	.....	.....	.....	1.60	.80	.....	7.20	2.40	36.40	.....	.....	48.40
Limestone setting.....	.....	.....	314.95	.....	.....	2.00	.....	170.65	46.25	29.50	274.65	381.50	715.75	179.30	139.75	2,254.30
Brick work on basement.....	186.00	.....	1,537.60	153.25	.....	.....	.....	66.25	162.50	413.50	.....	2,261.60	2.00	428.25	293.00	5,503.95
Brick work on foundation.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.00	2.00	5.00	.....	9.00
Tools and machinery.....	.....	.....	.....	.50	.....	19.10	.....	.....	7.75	.....	10.00	7.20	.50	.....	.....	45.05
Carpenter work.....	.....	131.50	.....	24.50	.....	49.75	.....	.....	187.50	.....	28.25	30.20	35.45	15.00	.25	502.40
Pattern making.....	.....	47.50	.....	.....	.....	9.50	.....	.....	1.00	.....	.....	.....	.....	.....	.....	58.00
Wrought iron work.....	.....	58.50	.....	3.00	.....	2.50	.....	8.75	41.25	3.25	42.50	147.30	59.80	50.50	14.00	431.35
Railroad repairs.....	.....	.....	.....	.....	.....	.....	.....	.....	13.00	2.50	8.30	2.00	28.90	57.30	1.50	113.50
Concrete.....	.....	.....	.....	.....	.....	.....	.....	.....	4.00	26.75	10.25	33.75	6.00	312.25	15.50	408.50
General labor.....	.....	1.00	.....	.....	.....	.....	.40	.....	2.50	1.00	1.00	5.00	5.60	8.00	.....	24.50
Foreman of laborers & der'ks	.....	.....	.....	.....	236.00	.....	.....	104.00	.....	.....	.....	.....	.....	.....	.....	340.00
Watchman.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	17.00	12.00	.....	.....	29.00
Total days labor for 1874.....	550.00	239.00	1,998.80	188.65	236.00	273.70	.70	562.10	574.15	478.75	839.85	3,642.15	2,378.95	1,800.75	667.65	14,431.20



TABLE

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

	Foreman of stone-cutters.	Foremen of brick-masons and assistant foreman of stone-cutters.	General superintendent of carpenter work, iron work and patterns.	General superintendent of stone-cutters, carpenter-work, iron-work and patterns, and general foreman of laborers, and superintendent of derricks.	Brick-Masons, stone-cutters and lewisers.	Brick-masons, stone-cutters, lewisers and stone-setters.	Blacksmiths, chief of derricks, brick-masons and lewisers.	Blacksmiths, stone-cutters, brick-masons, engineers and lewisers.
	\$6.00 per day.	\$5.00 per day.	\$4.50 per day.	\$4.00 per day.	\$3.75 per day.	\$3.50 per day.	\$3.25 per day.	\$3.00 per day.
Stone cutting,—foreman and cutters.....	153.50	332.75	.....	.....	80.25	75.80	.....	118.00
Stone cutting,—handling and tool sharpening.....	.....	.....	.....	6.50	.....	.....	155.75	105.50
Rubbing stone.....	.....	.....	.....	.....	.....	.....	.....	3.00
Extra handling stone.....	.....	.....	.....	.....	.....	.....	.....	51.00
Sandstone setting.....	.....	.....	.....	268.60	.....	10.00	.....	.....
Limestone setting.....	.....	.....	.....	36.50	.....	22.00	.....	.....
Brick-masonry, 1st story.....	.....	162.50	.....	5.50	1,748.35	99.25	14.00	155.40
Brick-masonry, basement.....	.....	24.50	.....	.....	118.25	.....	.....	9.00
Carpenter work.....	.....	.....	143.25	50.00	.....	.....	.....	.....
Wrought iron work.....	.....	.....	50	.....	.....	.....	.....	.....
Tools and machinery.....	.....	.....	34.25	16.50	1.75	.....	56.75	25.75
Pattern making.....	.....	.....	4.50	18.00	.....	.....	.....	.....
Railroad repairs.....	.....	.....	8.50	.....	.....	.....	.....	.....
Concreting.....	.....	.....	.....	.....	.....	.....	.....	.....
Water pipe and meter.....	.....	.....	.....	.....	.....	.....	.....	.....
General labor.....	.....	.....	.....	.....	.....	.....	.....	.....
Foreman of laborers and derricks.....	.....	.....	.....	132.00	.....	.....	152.00	.....
Watchman.....	.....	.....	.....	.....	.....	.....	.....	.....
Brick inspector.....	.....	.....	.....	.....	.....	.....	.....	.....
Splitting stone, charged to contractor.....	.....	.....	.....	.....	24.00	.....	.....	.....
Lewisings sandstone.....	.....	.....	.....	.....	147.80	27.98	89.90	17.10
Total days labor for 1875.....	153.56	519.75	191.00	533.60	2,120.40	235.03	468.40	484.75
Total days labor for 1874 & 1875	153.50	1,069.75	191.00	772.60	4,119.20	423.68	704.40	758.45



## NO. II.

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

Teams and drivers.	Engineers.	Derrick foremen, engineers carpenters and riggers.	Cart horse and driver.	Derrick foremen, engineers, foremen of rubbers and carpenters.	Derrick foremen, foremen of rubbers, brick & mortar carriers, and carpenters.	Carpenters.	Drillers, blacksmith's hel'pr brick and mortar carriers, w'man & brick inspector.	Derrick laborers, brick inspector, cement handling and rubbers.	Common laborers.	Water boys.	Total days from Jan. 1, to Nov. 30, 1875.
\$3.00 per day.	\$2.75 per day.	\$2.50 per day.	\$2.50 per day.	\$2.25 per day.	\$2.00 per day.	\$1.90 per day.	\$1.75 per day.	\$1.65 per day.	\$1.50 per day.	\$0.75 per day.	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	760.30
.....	81.95	496.40	.....	312.05	414.20	.....	412.25	2,768.15	1.00	359.85	5,113.60
.....	.....	.....	.....	87.75	119.30	.....	1.75	3,318.75	.....	24.50	3,552.05
7.00	3.60	38.15	.....	4.00	31.30	.....	.....	306.45	.....	.....	393.50
3.25	11.85	613.80	14.25	108.70	253.10	.....	363.15	2,527.25	.....	42.50	4,267.45
5.50	26.15	6.75	1.75	.....	41.75	.....	73.75	124.50	5.25	1.00	344.90
.....	.....	.....	401.30	.....	2,603.75	.....	1,673.25	71.35	455.85	342.02	7,732.52
.....	.....	11.25	24.25	.....	.....	.....	193.80	.....	30.50	43.90	455.45
.....	.....	105.15	.....	42.50	147.85	10.25	.....	43.05	.....	.....	542.05
.....	.....	1.50	.....	.....	1.00	.....	.....	2.25	.....	.....	5.25
1.50	2.40	120.90	.....	8.40	50.10	3.00	2.00	14.50	.....	.....	337.80
.....	.....	50	.....	.....	.....	.....	.....	.....	.....	.....	23.00
3.75	.....	28.80	.....	22.00	36.75	.....	15.00	260.05	8.00	.....	382.85
.....	.....	6.50	8.00	3.25	75	.....	40.50	110.00	.....	.....	169.00
.....	.....	.....	.....	.....	.....	.....	.....	7.20	.....	.....	7.20
.....	13.80	49.40	.....	.....	22.25	.....	.....	304.45	1.00	.....	390.90
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	284.00
.....	.....	.....	.....	.....	.....	.....	378.00	.....	.....	.....	378.00
.....	.....	.....	.....	.....	.....	.....	88.40	31.25	.....	.....	119.65
.....	.....	.....	.....	.....	.....	.....	4.00	.....	.....	.....	28.00
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	282.78
21.00	139.75	1,479.10	449.55	588.65	3,722.10	13.25	3,245.85	9,889.20	501.60	813.77	25,570.25
21.70	701.85	2,053.25	928.30	588.65	4,561.95	13.25	6,888.00	12,268.15	2302.35	1,481.42	40,001.45



TABLE NO. III.

Consolidated Statement showing the number of superficial feet of stone-cutting done in the year 1874, and in the year 1875, to November 30th; the prices paid per foot for cutting, and the total amount paid for cutting by the foot, for each year, of the several kinds of stone; also the aggregate amount paid for cutting done by the foot.

PRICE PER FT. PAID.	GRANITE-CUTTING.						LIMESTONE-CUTTING.						SANDSTONE-CUTTING.						TOTAL SUPER- FICIAL FT. CUT.			Tt'l am't paid for cut'g by the foot.
	1874.			1875.			1874.			1875.			1874.			1875.						
	FEET.	IN.	SEC.	FEET.	IN.	SEC.	FEET.	IN.	SEC.	FEET.	IN.	SEC.	FEET.	IN.	SEC.	FEET.	IN.	SEC.	FEET.	IN.	SEC.	
\$1.50	3	11	6	25	2	0	249	7	4	95	6	8	.....	.....	.....	.....	.....	.....	374	3	6	\$ 561.38
1.30	.....	.....	.....	.....	.....	.....	283	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	283	0	0	367.90
1.25	22	2	0	122	6	0	14	0	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	158	8	0	198.34
1.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	107	0	7	9	4	6	31	11	6	148	4	7	178.05
1.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	305	7	2	438	6	4	744	1	6	781.30
1.00	153	4	8	15	10	0	1,253	6	4	505	10	6	.....	.....	.....	.....	.....	.....	1,928	7	6	1,928.54
.90	.....	.....	.....	.....	.....	.....	.....	.....	.....	11	0	0	346	10	3	737	2	2	1,095	0	5	985.47
.80	.....	.....	.....	.....	.....	.....	33	6	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	33	6	9	26.85
.70	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	229	1	10	680	11	1	910	0	11	637.01
.75	186	4	10	.....	.....	.....	6	5	0	989	4	8	.....	.....	.....	.....	.....	.....	1,182	2	6	886.58
.65	.....	.....	.....	.....	.....	.....	292	4	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	292	4	2	190.03
.63	.....	.....	.....	.....	.....	.....	2,037	7	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	2,037	7	9	1,284.01
.60	.....	.....	.....	.....	.....	.....	611	8	8	417	3	10	649	6	2	2,127	8	1	3,806	2	9	2,283.68
.50	.....	.....	.....	.....	.....	.....	147	10	4	1,323	3	2	1,385	6	2	11,046	7	9	13,906	5	5	6,953.19
.45	277	4	0	118	7	0	.....	.....	.....	.....	.....	.....	1,057	8	2	8,685	1	1	10,138	8	3	4,562.35
.43	.....	.....	.....	.....	.....	.....	17,511	7	9	1,565	9	9	.....	.....	.....	.....	.....	.....	19,077	5	6	8,203.20
.42½	.....	.....	.....	.....	.....	.....	1,803	9	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,803	9	0	766.86
.40	.....	.....	.....	.....	.....	.....	1,603	11	0	.....	.....	.....	485	8	10	352	2	1	2,441	9	11	976.71
.35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	489	7	5	3,615	8	8	4,105	4	1	1,436.87
.34	.....	.....	.....	.....	.....	.....	294	1	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	294	1	0	99.97
.30	.....	.....	.....	.....	.....	.....	204	0	3	.....	.....	.....	3,559	8	6	23,860	6	3	27,624	3	0	8,287.27
.25	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,404	1	3	964	11	7	4,343	9	10	6,712	10	8	1,678.18
.21¼	.....	.....	.....	.....	.....	.....	254	9	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	254	9	0	54.14
.21	.....	.....	.....	.....	.....	.....	313	10	0	.....	.....	.....	.....	.....	.....	.....	.....	.....	313	10	0	65.87
.20	.....	.....	.....	.....	.....	.....	741	11	2	625	3	2	301	10	0	5,199	4	6	6,808	4	10	1,373.60
.17	.....	.....	.....	.....	.....	.....	87,376	6	0	2,261	11	7	.....	.....	.....	.....	.....	.....	39,638	5	7	6,738.88
.15	.....	.....	.....	.....	.....	.....	2,596	2	10	.....	.....	.....	3,494	0	1	9,771	7	3	15,861	10	2	2,379.27
.12½	.....	.....	.....	.....	.....	.....	11,178	8	9	.....	.....	.....	4,779	11	8	41,927	5	2	57,886	1	7	7,235.55
.10	.....	.....	.....	.....	.....	.....	2,989	3	6	295	11	0	3,972	9	3	39,250	5	6	46,508	5	3	4,650.80
.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,960	10	6	.....	.....	.....	.....	.....	.....	1,960	10	6	156.86
.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	702	6	9	1,403	3	1	4,899	9	2	7,005	7	0	490.37
Total superficial feet cut.....	643	3	0	282	1	0	81,798	4	7	12,269	1	5	23,435	6	8	156,968	10	5	275,397	3	1	.....
Total paid for cutting by the foot..	\$451.52			\$260.07			\$21,767.82			\$4,212.55			\$5,715.33			\$34,011.79			\$66,419.08			\$66,419.08



TABLE NO. IV.

*Classified Statement showing the amount paid for the several classes of work charged to stone cutting, from Jan. 1, 1874, to Nov. 30, 1875. Also a Classified Statement of the number of cubic feet cut.*

	GRANITE CUTTING.		LIME STONE CUTTING.		SAND STONE CUTTING.		Total amt. paid.
	1874.	1875.	1874.	1875.	1874.	1875.	
Amount paid cutters for cutting by the foot—See Table No. III.....	\$ 451.52	\$ 260.07	\$21,767.82	\$ 4,212.55	\$ 5,715.33	\$34,011.79	\$66,419.08
Amount paid cutters for work by the day—for days, See Table Nos. I and II.....	21.12	.....	582.73	256.68	.....	511.48	1,372.01
Amount allowed extra for checks, false joints, miters, and lewis holes.....	20.25	23.50	603.05	123.45	157.67	1,220.01	2,147.96
Amount paid for cutting lewis holes by the day—See Table No. II.....	.....	.....	.....	.....	.....	995.73	995.73
Amount paid foremen of cutters, by the day—See Table Nos. I and II.....	.....	.....	1,337.75	416.08	482.25	2,168.67	4,404.75
Amount paid for handling and tool sharpening by the day—See Table Nos. I & II.....	45.91	.....	5,799.68	1,155.58	1,491.93	8,248.93	16,742.08
Amount allowed extra for bad stone and accidents.....	.....	.....	210.73	.....	29.67	121.98	362.38
Amount paid for marking tools and materials, rubstones, etc.....	.....	.....	20.29	.....	3.50	7.00	30.79
Total amount paid for cutting during 1874 and 1875.....	\$ 538.80	\$ 283.57	\$30,322.05	\$ 6,164.34	\$ 7,880.40	\$47,285.62	\$92,474.78

  

	Feet. Inches.		Feet. Inches.		Feet. Inches.		Total Feet. Inches.
	Feet.	Inches.	Feet.	Inches.	Feet.	Inches.	
Cubic feet of Granite and Sandstone cut.....	239.10	85. 4	.....	.....	9,449. 8	64,063. 0	73,837.10
Cubic feet of Lemont stone cut, corridors and dome.....	.....	.....	666. 2	2,248.10	.....	.....	2,915. 0
Cubic feet of Iowa City stone cut.....	.....	.....	32,079. 2	4,094.10	.....	.....	36,174. 0
Cubic feet of Anamosa stone cut.....	.....	.....	1,654. 2	.....	.....	.....	1,654. 2
Cubic feet of Sandstone cut for bond stone.....	.....	.....	.....	.....	.....	138. 8	138. 8
Total cubic feet cut from January 1, 1874, to November 30, 1875.....	239.10	85. 4	34,399. 6	6,343. 8	9,449. 8	64,201. 8	11,4719. 8

NOTE.—The cost of handling, and foreman for granite in the above table is charged to lime stone, as no division of time was made.



## NUMBER FIVE.

*To the Board of Capitol Commissioners :*

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

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

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

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

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

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



The accompanying exhibits are in the following order:

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

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

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

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

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

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

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

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

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

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

All of which is respectfully submitted.

JOHN G. FOOTE,  
*Superintendent of Finance.*



## [EXHIBIT "A."]

## CLASSIFIED STATEMENT

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

ON WHAT ACCOUNT.	AMOUNT.
Plans . . . . .	\$ 3,943.11
Excavation and drainage . . . . .	15,604.99
Stone . . . . .	89,426.72
Cistern . . . . .	1,512.12
Sand . . . . .	2,723.69
Expenses and miscellaneous . . . . .	1,437.24
Salaries . . . . .	21,503.42
Repairs, removing foundation . . . . .	52,333.76
Stone masonry . . . . .	14,711.21
Brick masonry . . . . .	7,835.23
Concrete . . . . .	4,289.68
Printing and advertising . . . . .	1,864.40
General labor . . . . .	50.59
Patterns . . . . .	74.86
Water . . . . .	475.03
Rubble masonry . . . . .	4,765.97
Iowa City quarry . . . . .	24,080.77
Brick masonry in basement . . . . .	2,323.51
Stone setting . . . . .	863.35
Sandstone cutting . . . . .	51,267.88
Railroad . . . . .	10,177.77
Lumber and timber . . . . .	2,939.16
Wrought iron work . . . . .	488.08
Carpenter work . . . . .	2,938.86
Cement . . . . .	13,617.62
Board of commissioners . . . . .	9,143.31
Fuel . . . . .	957.28
Machinery and tools . . . . .	9,352.63
Nails and hardware . . . . .	458.32
Water pipe and meter . . . . .	647.46
Brick . . . . .	22,645.00
Iron and steel . . . . .	252.86
Total expenditure to December 31, 1873 . . . . .	\$374,825.88



## [EXHIBIT "B."]

## GENERAL STATEMENT OF EXPENDITURES

*from January 1st to December 31st, 1874.*

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1874.				
Jan. 2	782	Barnum & Overman.....	Granite, final estimate.....	\$ 539.21
9	783	John G. Foote.....	Pay roll, Iowa City .....	8,009.97
10	784	Paine & Marshall .....	Blossburg coal, Iowa City.....	16.90
10	785	R. Musser & Co.....	Lumber for quarry.....	20. 0
10	786	G. W. Cowan.....	Hauling tools, pitch.....	2.25
10	787	Dubuque Times .....	Advertising iron beams and brick .....	17.50
10	788	Keokuk Gate City.....	Advertising iron beams and brick .....	13.00
10	789	Des Moines Water Co.....	Water furnished.....	3.75
10	790	J. S. Clarkson P. M. ....	1000 stamped envelopes .....	34.20
10	791	Ed Wright.....	Salary as secretary and expressage, Dec .....	101.40
10	792	R. S. Finkbine.....	Salary as overseer, Dec .....	184.00
10	793	A. H. Piquenard.....	Salary as architect .....	300.00
10	794	John G. Foote .....	Pay roll, Des Moines.....	135.45
10	795	John G. Foote .....	Per diem and expenses, Sup't Finance.....	64.95
10	796	Iowa State Register .....	Advertising for cast iron and sand.....	15.00
10	797	Shepard & Hess .....	Hardware and iron for quarry.....	99.12
13	798	C., R. I. & P. R. R.....	Freight on stone from Iowa City.....	625.00
Feb. 4	799	John G. Foote.....	Pay roll, Iowa City.....	\$ 3,080.97
5	800	Scott & Bartlett.....	Sand .....	227.95
5	801	H. F. Getchell & Son.....	Lumber.....	15.09
5	802	Ed Wright.....	Salary as Secretary and expressage.....	103.00
5	803	Des Moines Coal Co.....	Fuel.....	48.95
5	804	Shepard & Hess.....	Iron and hardware for quarry.....	125.57
5	805	R. S. Finkbine.....	Salary as overseer.....	250.00
5	806	A. H. Piquenard.....	Salary as architect.....	300.00
5	807	C., R. I. & P. Railroad.....	Freight on stone from Iowa City.....	500.00
6	808	John G. Foote.....	Pay roll, Des Moines .....	2,092.04
6	809	John G. Foote.....	Per diem and expenses supt. of finance .....	82.15
Mar. 5	810	John G. Foote.....	Pay roll, Iowa City.....	3,361.97
5	811	Ed Wright.....	{ Salary, freight on scale and expenses, { Taxes on lots leased for right of way.....	113.85 150.42
5	812	R. S. Finkbine.....	Salary as overseer.....	72.07
5	813	R. S. Finkbine.....	Salary as overseer.....	177.93
5	814	Waldron Brothers.....	Castings, base, and top, for columns .....	263.25
5	815	Scott & Bartlett.....	Sand on contract .....	176.83
6	816	John G. Foote.....	Per diem and expenses, supt of finance .....	64.85
6	817	John G. Foote.....	Pay roll, Des Moines.....	2,363.07
6	818	C., R. I. & P. Railroad.....	Freight on stone from Iowa City.....	575.00
7	819	Shepard & Hess.....	Hardware account for quarry.....	31.19
7	820	Paine & Marshall.....	Blossburg coal for quarry.....	68.25
19	821	Union Foundry Works.....	Rolled iron beams and angle irons....	10,000.00
19	822	C., R. I. & P. Railroad .....	Freight on stone and iron beams.....	1,312.73
20	823	A. H. Piquenard .....	Salary as architect.....	300.00
21	824	Board of Commissioners .....	Per diem and expenses.....	211.15
Apr. 3	825	Shepard & Hess.....	Hardware account for quarry.....	66.70
3	826	Des Moines Coal Co.....	Coal.....	59.50
3	827	J. D. Seeberger.....	Hand clamps and wire .....	2.25
3	828	Gilbert, Hubbard & Co.....	Manilla rope.....	63.23
3	829	Bolton Bros.....	Hardware account.....	9.53
3	830	Ed Wright.....	Salary as secretary and expressage.....	101.65
3	831	Scott & Bartlett.....	Sand on contract in full.....	33.16
3	832	R. S. Finkbine .....	Salary as overseer & traveling expenses .....	260.55
3	833	Koser & Clark .....	Lumber for quarry.....	19.63
3	834	John G. Foote.....	Pay roll, Iowa City quarry.....	3,228.86
4	835	John G. Foote.....	Pay roll, Des Moines.....	2,335.87



## EXHIBIT "B."—CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1874.				
Apr. 4.	836	John G. Foote.....	Per diem and expenses, supt of finance	\$ 67.35
6.	837	A. W. Comstock.....	Jackson scale, ten ton.....	157.30
6.	838	W. S. Dart.....	Right of way of railroad.....	50.00
6.	839	H. F. Getchell & Son.....	Lumber account.....	25.47
Apr. 25.	840	Kimbark Bros. & Co.....	Tools, bolts, rivets, and spikes.....	177.45
27.	841	C., R. I. & P. R. R.....	Freight on stone and tools.....	1,130.83
27.	842	A. H. Piquenard.....	Salary as architect.....	614.35
28.	843	Board of Commissioners	Visiting quarries and examining build- ings.....	497.35
28.	844	Board of Commissioners	Per diem and expenses.....	147.95
May 7.	845	Paine & Marshall.....	Blossburg coal for quarry.....	33.80
7.	846	D. A. Shafer.....	Services at quarry.....	45.00
7.	847	Shepard & Hess.....	Hardware, iron and powder.....	80.11
7.	848	John P. Irish.....	Advertising for bricks.....	12.00
7.	849	Kimbark Bros. & Co.....	Norway iron.....	25.24
7.	850	Des Moines Water Co.....	Water.....	7.08
7.	851	Nonpareil Printing Co.....	Advertising for bricks.....	7.00
7.	852	Iowa State Register.....	Advertising and printing.....	21.75
7.	853	H. F. Getchell and Sons	Lumber account.....	66.13
7.	854	Bolton Bros.....	Hardware, nails, and tools.....	20.28
7.	855	Gilbert, Hubbard & Co.....	Coil Manila rope.....	34.16
7.	856	R. S. Finkbine.....	Salary as overseer.....	179.00
7.	857	Ed Wright.....	Salary as secretary, and expenses.....	130.65
7.	858	John G. Foote.....	Pay roll, Iowa City.....	4,217.59
8.	859	John G. Foote.....	Pay roll, Des Moines.....	5,298.99
8.	860	Des Moines Coal Co.....	Cement and coal.....	641.80
9.	861	John G. Foote.....	Per diem and expenses superintendent of finance.....	60.25
11.	862	C., R. I. and P. R. R.....	Freight on stone.....	531.50
12.	863	Board of Commissioners	Per diem and expenses.....	175.00
12.	864	James Carss.....	Engineering.....	8.00
12.	865	Union Foundry Works.....	Iron beams, and angle irons.....	83.50
June 5.	866	Bolton Bros.....	Tools, nails, and iron.....	77.71
5.	867	Francis Geneser.....	Brick on contract.....	640.56
5.	868	Gate City.....	Advertising.....	13.00
5.	869	Hiram Robinson.....	Couplings and nipples.....	3.75
5.	870	Des Moines Water Co.....	Water.....	11.92
5.	871	H. F. Getchell and Sons	Lumber.....	95.23
5.	872	John G. Foote.....	Pay roll, Iowa City.....	3,914.55
6.	873	Shepard and Hess.....	Rope and iron for quarry.....	79.30
6.	874	Paine and Marshall.....	Blacksmith coal.....	19.50
6.	875	Ed Wright.....	Salary as secretary and expressage.....	126.25
6.	876	R. S. Finkbine.....	Salary as overseer and expenses.....	231.65
6.	877	Des Moines Coal Co.....	Cement and fuel.....	906.60
6.	878	John G. Foote.....	Pay roll, Des Moines.....	6,644.48
6.	879	John G. Foote.....	Per diem and expenses superintendent of finance.....	61.85
13.	880	C., R. I. and P. R. R.....	Freights.....	1,220.69
15.	881	A. H. Piquenard.....	Salary as architect, and plans.....	323.94
16.	882	E. Walker.....	Lemont stone.....	499.62
July 2.	883	John G. Foote.....	Pay roll, Des Moines.....	7,885.57
2.	884	John G. Foote.....	Pay roll, Iowa City.....	2,085.48
2.	885	John G. Foote.....	Per diem and exp. supt. of finance.....	59.40
2.	886	R. S. Finkbine.....	Salary as overseer.....	250.00
2.	887	Francis Geneser.....	Brick on contract.....	1,780.74
2.	888	Des Moines Coal Co.....	Cement and fuel.....	620.40
2.	889	Kimbark Bros and Co.....	Rivets, bolts and T rail.....	248.37
2.	890	G. W. McCail.....	Sand screen.....	10.00
2.	891	Bolton Bros.....	Nails, tools, and hardware.....	25.11
2.	892	J. D. Seeberger.....	Grindstones.....	7.24
2.	893	McDonald & Meara.....	Shopwork, and labor on Iron beams.....	97.00
2.	894	Shepard & Hess.....	Iron for quarry.....	10.89
2.	895	J. M. Hedrick & Co.....	Advertising for brick.....	6.00
2.	896	John P. Irish.....	Advertising for stone.....	12.00
2.	897	Nonpareil Printing Co.....	Advertising for stone.....	12.50
2.	898	Iowa State Register.....	Advertising for stone.....	13.50



## EXHIBIT "B."—CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1874.				
	2.	899 Redhead and Wellslager	Tracing cloth and wall paper.....	17.20
	2.	900 Des Moines Water Co.....	Water for June.....	10.13
	7.	901 Gilbert, Hubbard & Co..	Cotton waste .....	5.00
	7.	902 Ed Wright .....	Salary as secretary, exp. to Anamosa...	149.50
	8.	903 C., R. I. and P. R. R.....	Freight bills.....	675.12
	9.	904 H. F. Getchell and Sons	Lumber and timber.....	88.08
	9.	905 { Board of Comm'rs.....	Per diem and exp. board meeting.....	339.71
	9.	905 { Board of Comm'rs.....	Per diem and exp. visiting quarries ...	579.95
	9.	906 A. H. Piquenard.....	Salary as architect and exp. to quarries	397.00
	10.	907 Waldron Bro's.....	Cast iron on contract and shop work....	180.45
Aug.	6.	908 Des Moines Coal Co.....	Cement .....	1,008.80
	6.	909 William Marshall.....	Blossburg coal for quarry.....	16.90
	6.	910 Martin Heisey.....	Anamosa stone.....	600.41
	6.	911 Shephard and Hess .....	Rope and powder for quarry.....	24.17
	6.	912 Francis Geneser.....	Brick on contract .....	2,691.14
	6.	913 Ed Wright .....	Salary as secretary and office expenses	127.75
	6.	914 C. J. Hammer.....	Hauling from depot.....	3.75
	6.	915 J. K. & W. H. Gilcrest ...	Lumber.....	53.28
	6.	916 Bolton Bro's .....	Hardware .....	11.70
	6.	917 Des Moines Water Co.....	Water for July.....	13.35
	6.	918 Gilbert, Hubbard & Co..	Two W. P. Blocks.....	14.40
	6.	919 C. H. Ward.....	Oil, paints &c .....	42.60
	6.	920 Hiram Robinson.....	Valve couplings .....	4.35
	7.	921 R. S. Finkbine.....	Salary as overseer and exp. to quarry...	185.80
	7.	922 H. F. Getchell & Sons...	Lumber.....	23.00
Aug.	7.	923 J. D. Seeberger .....	Hose and couplings.....	25.76
	7.	924 J. N. Close .....	Brick on contract.....	173.45
	7.	925 Waldron Bros.....	Cast-iron on contract.....	342.66
	7.	926 John G. Foote.....	Pay roll, Iowa City.....	1,778.33
	7.	927 John G. Foote.....	Per diem and expenses, supt. of finance	81.50
	7.	928 John B. Webb.....	Anamosa stone .....	107.83
	7.	929 A. H. Piquenard.....	Salary as architect.....	300.00
	8.	930 John G. Foote.....	Pay roll, Des Moines.....	7,853.39
	10.	931 J. C. Taylor.....	Brick on contract of J. N. Close.....	745.99
	10.	932 Watson Coal & Min'g Co	Engine coal.....	41.76
	10.	933 Union Foundry Works..	Balance on rolled iron beams.....	545.43
	21.	934 C., R. I. & P. Railroad..	Freight bills.....	627.49
Sep.	4.	935 Francis Geneser.....	Brick on contract.....	3,752.72
	4.	936 J. N. Close .....	Brick on contract.....	443.68
	4.	937 John G. Foote.....	Pay roll, Iowa City.....	1,765.23
	4.	938 R. S. Finkbine.....	Salary as overseer, expenses to quarry	257.95
	4.	939 Shepard & Hess.....	Iron and hardware for quarry .....	37.62
	4.	940 Marshal Talbot.....	Railroad ties.....	19.00
	4.	941 Des Moines Water Co.....	Water for August.....	16.68
	4.	942 Roberts'n & Willoughby	Lime.....	19.91
	4.	943 H. F. Getchell & Sons....	Lumber.....	68.90
	4.	944 A. H. Piquenard.....	Salary as architect.....	300.00
	4.	945 Bolton Bros.....	Tools and hardware .....	15.95
	4.	946 J. K. & W. H. Gilcrest ...	Lumber.....	26.04
	4.	947 Watson Coal & Min'g Co	Engine coal.....	37.20
	4.	948 Ed Wright.....	Salary as secretary, railroad tax.....	174.63
	4.	949 N. W. Smith.....	Expenses to quarry.....	13.30
	5.	950 Des Moines Coal Co.....	Cement and lime.....	1,226.83
	5.	951 John G. Foote.....	Pay roll, Des Moines.....	5,838.63
	7.	952 Brooks, Wilson & Stein	Car wheels and shop work.....	26.25
	7.	953 John G. Foote.....	Per diem and expenses, supt. of finance	35.00
	7.	954 John G. Foote.....	Per diem and expenses, supt of finance	39.55
	7.	955 C., R. I. & P. Railroad ...	Freight bills.....	464.08
	8.	956 Francis Geneser.....	Brick on contract, final settlement.....	1,613.31
	9.	957 Dawson & Gerry.....	Re cutting files.....	28.05
	12.	958 Board of Commissioners	Per diem and expenses.....	182.40
	12.	959 C., R. I. & P. Railroad....	Freight on Carroll county stone.....	292.50
	23.	960 W. F. Hackney.....	On account of A. H. Piquenard.....	75.00
Oct.	5.	961 Ed Wright.....	Salary as secretary and expenses.....	131.50
	5.	962 John G. Foote.....	Pay roll, Iowa city.....	1,864.08
	5.	963 Carroll Co. Sandstone Co	Stone on contract.....	654.47



## EXHIBIT "B."—CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1874.				
5..	964	C., R. I. & P. Railroad .....	Freight bills.....	794.53
5..	965	Eugene Paine.....	Blossburg coal at quarry.....	15.00
5..	966	Shepard and Hess.....	Hardware for quarry.....	11.82
5..	967	Des Moines Water Co.....	Water for September.....	8.90
5..	968	J. D. Seeberger.....	Hose and couplings.....	9.90
5..	969	H. F. Getchell and Sons.....	Lumber.....	77.40
5..	970	Kimbark Bros. and Co.....	Machine bolts.....	4.79
5..	971	Bolton Bros.....	Nails, hardware, and steel.....	15.85
6..	972	J. S. Clarkson, P. M.....	Envelopes and stamps.....	13.34
6..	973	A. H. Piquenard.....	Salary as architect.....	225.00
6..	974	John B. Webb.....	Anamosa stone.....	118.83
6..	975	R. S. Finkbine.....	Salary as overseer and expenses to quarry.....	240.00
6..	976	John G. Foote.....	Per diem and expenses superintendent of finance.....	69.00
7..	977	Des Moines Coal Co.....	Cement and fuel.....	879.71
7..	978	John G. Foote.....	Pay roll, Des Moines.....	5,042.49
Nov. 4..	979	Ed Wright.....	Salary as secretary and expenses.....	128.85
4..	980	R. S. Finkbine.....	Iowa City pay roll.....	2,013.35
5..	981	R. S. Finkbine.....	Salary as overseer and expenses to quarry.....	257.95
5..	982	Carroll Co. Sandstone Co.....	Dimension stone on contract.....	1,745.04
5..	983	C., R. I. and P. Railroad.....	Freight bills for October.....	2,448.63
5..	984	St. Genevieve Sandstone Company.....	Dimension stone on contract.....	1,980.92
5..	985	A. H. Swan, attorney.....	Rental on railroad right-of-way.....	240.00
5..	986	Gilbert Hubbard and Co.....	Coil Manila rope.....	71.96
5..	987	Shepard and Hess.....	Rope and powder for quarry.....	29.66
6..	988	J. N. Close.....	Brick on contract.....	85.65
6..	989	Des Moines Coal Co.....	Cement and coal.....	1,095.95
17..	990	J. C. Taylor.....	Brick on contract of J. N. Close.....	1,342.78
18..	991	A. H. Piquenard.....	Salary as architect.....	300.00
18..	992	C. A. Ryden.....	Carrying express and mail one year.....	18.25
18..	993	Waldron Bros.....	Cast plates and separator.....	10.83
18..	994	Koser and Clark.....	Lumber for quarry.....	2.00
18..	995	J. D. Seeberger.....	Cable chain and wire.....	25.84
18..	996	Bolton Bros.....	Hardware account for October.....	24.25
18..	997	Redhead & Wellslager.....	Roll tracing cloth.....	11.00
18..	998	Des Moines Water Co.....	Water for October.....	13.37
18..	999	Watson Coal and Mining Co.....	Coal.....	60.36
18..	1000	H. F. Getchell and Sons.....	Lumber and timber.....	69.98
19..	1001	John G. Foote.....	Per diem and expenses Finance Com.....	71.35
19..	1002	S. A. Robertson.....	Cement and lime.....	109.89
19..	1003	Drs. Rawson and Ward.....	Medical attendance, 1871.....	23.00
19..	1004	Brooks, Wilson & Stein.....	Work on wheels and axles.....	22.23
19..	1005	Frank Moran.....	From injuries received in May 1874.....	150.00
20..	1006	Board of Commissioners.....	Per diem and expenses.....	157.25
20..	1007	John G. Foote.....	Pay roll, Des Moines.....	9,630.47
Dec. 2..	1008	Ed Wright.....	Salary as secretary, for November.....	125.00
3..	1009	Ed Wright.....	Pay roll, Iowa City quarry.....	1,558.92
5..	1010	R. S. Finkbine.....	Salary as overseer, for November.....	250.00
5..	1011	St. Genevieve S. S. & G. Co.....	Stone on contract.....	1,207.53
5..	1012	C., R. I. & P. Railroad.....	Freights on stone.....	707.00
7..	1013	Carroll Co. Sandstone Co.....	Stone on contract.....	542.53
9..	1014	W. Marshall.....	Blossburg coal at quarry.....	18.00
15..	1015	John G. Foote.....	Per diem and expenses, supt. of finance.....	61.15
18..	1016	Loughran & Hillis.....	Repairing valve and tuyere iron.....	4.10
1875.				
Jan. 7..	1017	R. S. Finkbine.....	Salary as overseer in part for Dec.....	18.90
1874.				
Dec. 22..	1018	H. F. Getchell & Sons.....	Lumber and timber for stone sheds.....	434.51
30..	1019	J. C. Taylor.....	Brick on contract of J. N. Close.....	464.10
31..	1020	Bolton Bros.....	Tools, zinc, stoves and hardware.....	140.91
30..	1021	McDonnell & Meara.....	Shop work on iron beams.....	41.33
30..	1022	Blasher & Bringhoff.....	Ice for the season.....	9.00



## EXHIBIT "B."—CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
30.. 1875.	1023	Watson Coal & Min'g Co	Coal and slack.....	56.64
Jan. 2..	1024	Ed Wright.....	Salary as secretary and expenses in Dec	130.15
5..	1025	Scott & Bartlett.....	Sand on contract.....	258.75
5..	1026	F. D. Booth.....	Paint brush.....	3.00
5..	1027	L. Fisher.....	Tallow.....	4.20
5..	1028	Skinner & Brother.....	Grindstone.....	2.00
5..	1029	Carrier, Hussey & Curl ..	Inkstands, blanks, etc.....	12.80
5..	1030	Hiram Robinson.....	Repairing meter and one union.....	3.40
5..	1031	Des Moines Coal Co.....	Blossburg coal.....	30.15
5..	1032	C. H. Ward.....	Paints and oils.....	63.03
6..	1033	Iowa City Quarry Co.....	Royalty on stone.....	50.81
6..	1034	John G. Foote.....	Pay roll, Iowa City quarry.....	123.55
6..	1035	A. H. Piquenard.....	Salary as architect, Nov. and Dec .....	600.00
6..	1036	D. C. Overman.....	Granite sill.....	13.95
6..	1037	L. Robinson & Sons.....	Granite sills and steps.....	139.71
6..	1038	John G. Foote.....	Pay roll, Des Moines.....	6,544.50
6..	1039	C., R. I. & P. Railroad....	Freight bills on stone .....	701.00
6..	1040	Carroll Co. Sandstone Co	Stone on contract.....	587.51
7..	1041	R. S. Finkbine.....	Salary as overseer, balance.....	217.10
7..	1042	John G. Foote.....	Per diem and expenses, supt. of finance	30.25
7..	1043	St. Genevieve S.S. & G. Co	Stone on contract.....	315.19
7..	1044	J. N. Close.....	Brick on contract.....	396.00
7..	1045	S. A. Robertson.....	Brick on contract.....	102.68
				\$164,918.60
Vouchers, Nos. 811, 812, 953, 1016, 1017, were paid with cash received as shown in exhibit C.....				394.34
Total expenditures for 1874, classified as shown in exhibit D.....				\$164,524.26

## [EXHIBIT "C." ]

## GENERAL STATEMENT

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

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



## [EXAIBIT "B."]

## CLASSIFIED STATEMENT

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

ON WHAT ACCOUNT.	Amount.
Plans .....	\$ 49.74
Lime stone .....	2,919.08
Sand .....	696.69
Expenses .....	105.99
Salaries .....	9,895.35
Brick-masonry .....	17.70
Concrete .....	646.30
Printing and advertising .....	154.25
General Labor .....	46.93
Patterns .....	303.51
Water .....	85.18
Iowa City quarry .....	40,125.72
Brick work, basement .....	13,677.46
Stone setting .....	4,526.98
Stone cutting .....	30,851.10
Railroad .....	939.63
Lumber and timber .....	1,021.86
Wrought iron work .....	12,810.36
Carpenter work .....	1,419.01
Cement .....	6,264.09
Board of commissioners .....	2,290.76
Fuel .....	511.56
Machinery and tools .....	1,004.56
Nails and hardware .....	76.33
Water pipe and meter .....	3.40
Brick .....	14,232.80
Iron and steel .....	38.03
Cast iron work .....	754.27
Lime .....	156.55
Carroll county sandstone .....	5,985.37
St. Genevieve sandstone .....	4,703.99
Sand-stone cutting .....	7,880.40
Rubbing sandstone .....	71.25
Accidents .....	173.00
Extra handling stone .....	85.06
Total expenditures for 1874 .....	\$164,524.26



## [EXHIBIT "E."]

## GENERAL STATEMENT

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

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1875.				
Jan. 30..	1046	Ed Wright.....	Partial pay roll, Des Moines.....	\$ 1,195.84
Feb. 10..	1047	Scott and Bartlett.....	Sand .....	465.98
10..	1048	St. Genevieve S. S. and G. Company .....	Sandstone on contract.....	48.69
10..	1049	C., R. I. and P. Railroad	Freights on stone.....	326.75
10..	1050	J. K. and W. H. Gilcrest	Lumber .....	12.65
10..	1051	H. F. Getchell and Sons	Lumber .....	27.43
10..	1052	Watson Coal and Min- ing Company .....	Coal and slack .....	55.50
10..	1053	Ed Wright.....	Salary as secretary and expenses.....	135.90
10..	1054	Carroll Co. Sandstone Co	Sandstone on contract.....	543.33
11..	1055	John G. Foote.....	Pay roll at Des Moines .....	2,514.31
11..	1056	A. H. Piquenard.....	Salary as architect.....	300.00
11..	1057	John G. Foote.....	Per diem and expenses superintendent of finance.....	58.10
11..	1058	R. S. Finkbine.....	Salary as overseer and traveling ex- penses .....	326.85
12..	1059	Board of Commissioners	Per diem and expenses.....	79.90
12..	1060	Treasurer of Polk Co.....	Taxes on Gaunt lots. Railroad right-of- way contract.....	135.24
17..	1061	Ed Wright.....	Pay roll, Iowa City .....	3,192.51
Mar. 9..	1062	D. S. Miller .....	Lumber for quarry.....	7.34
9..	1063	Shepard and Hess.....	Iron and powder .....	36.44
9..	1064	Smith and Gilmore.....	Repairs on wagon.....	8.25
10..	1065	William Marshall.....	Blossburg coal.....	12.30
10..	1066	R. S. Finkbine.....	Salary as overseer.....	230.00
10..	1067	Ed Wright.....	Salary as secretary and expenses.....	126.55
10..	1068	A. H. Piquenard.....	Salary as architect.....	300.00
10..	1069	H. F. Getchell and Sons	Lumber and timber.....	57.50
10..	1070	Hiram Robinson.....	Globe valve and pipe for engine .....	4.70
10..	1071	C., R. I. and P. Railroad	Freights on stone and machinery.....	150.00
10..	1072	Watson Coal and Min- ing Company .....	Fuel .....	21.72
10..	1073	John G. Foote.....	Per diem and expenses superintendent of finance.....	49.50
10..	1074	John G. Foote.....	Pay roll, Des Moines.....	985.03
11..	1075	Scott and Bartlett.....	Sand .....	203.53
11..	1076	James N. Close.....	Brick on contract.....	550.50
23..	1077	Ed Wright.....	Salary as secretary and stone jacks.....	333.95
23..	1078	W. S. Dart.....	Right-of-way rental as per contract ...	50.00
Apr. 14..	1079	R. S. Finkbine.....	Salary as overseer.....	250.00
20..	1080	Watson Coal and Min- ing Company .....	Fuel .....	25.50
20..	1081	A. H. Piquenard.....	Salary as architect.....	300.00
20..	1082	Hiram Robinson.....	Oil cups and hose. ....	21.05
20..	1083	Bolton Bros .....	Iron and hardware from Dec. to date...	83.03
20..	1084	E. Walker .....	Lemont stone.....	196.19
20..	1085	H. F. Getchell and Sons	Lumber and timber.....	469.89
21..	1086	Carroll County S. S. Co.	Dimension stone on contract.....	941.91
21..	1087	C., R. I. and P. Railroad	Freight bills.....	735.25
21..	1088	John G. Foote.....	Per diem and expenses, supt. of finance	37.50
21..	1089	John G. Foote.....	Pay roll—Des Moines.....	2,584.45
24..	1090	Board of Commissionr's	Per diem and expenses.....	288.49
24..	1091	C. C. Winchell & Co.....	Partial payment on engine contract...	1,500.00



## EXHIBIT "E."—CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1875.				
May 5..	1092	Ed Wright.....	Pay roll of workmen.....	3,728.51
6..	1093	James Wagoner.....	Repairing wagon.....	52.65
6..	1094	Des Moines Water Co..	Water from November 14, 1874.....	11.56
6..	1095	A. H. Piquenard .....	Salary as architect.....	300.00
6..	1096	R. S. Finkbine .....	Salary as overseer.....	225.00
6..	1097	Ed Wright.....	Salary as secretary and expenses .....	125.25
6..	1098	H. F. Getchell & Sons ..	Lumber and timber.....	71.62
6..	1099	Brooks, Wilson & Stein	Iron work for derricks.....	425.00
6..	1100	Bolton Bros .....	Iron, steel and hardware .....	176.41
6..	1101	Hiram Robinson.....	Hose coupling and water pipe fixtures	17.50
6..	1102	Carrill Co Sandstone Co	Dimension stone on contract.....	1,865.08
6..	1103	Des Moines Coal Co.....	Fuel and Cement.....	203.00
8..	1104	James N. Close.....	Brick on contract.....	45.58
10..	1105	C., R. I. & P. Railroad...	Freight on stone.....	2,409.75
10..	1106	St Geneveive S. S. Co..	Dimension stone on contract .....	3,134.28
17..	1107	C. J. Hammer.....	Freight and drayage on oil & machin'y	22.05
17..	1108	J. C. Canon & Co .....	Three bbls machine oil.....	82.08
18..	1109	John G. Foote.....	Per diem and expenses, supt. of finance	26.50
20..	1110	Board of Commis-ion'rs	Per diem and expenses.....	129.50
21..	1111	Gilbert, Hubbard & Co..	Iron and steel wire rope.....	516.31
27..	1112	C. C. Winchell & Co.....	Part payment on engine.....	1,242.65
June 1..	1113	C., R. I. & P. Railroad ..	Freight bills .....	4,427.77
1..	1114	John G. Foote.....	Per diem and expenses, supt. of finance	24.10
1..	1115	Munson & Turner .....	Stone.....	304.14
1..	1116	Des Moines Water Co.....	Water for May.....	18.15
1..	1117	A. Robertson .....	Bolts, sockets, etc.....	97.35
1..	1118	S. A. Robertson .....	Lime.....	24.07
1..	1119	H. Robinson.....	Hose, nipples and valves.....	12.30
1..	1120	Gilbert, Hubbard & Co..	Cotton waste.....	9.00
1..	1121	Ed Wright.....	Salary as secretary and expenses.....	127.00
1..	1122	A. H. Piquenard .....	Salary as architect.....	300.00
1..	1123	R. S. Finkbine .....	Salary as overseer.....	237.00
2..	1124	Carroll Co. S. S. Co.....	Stone on contract.....	2,645.07
2..	1125	C., R. I. & P. Railroad...	Freight on stone.....	50.00
3..	1127	Des Moines Coal Co.....	Cement and fuel.....	498.70
3..	1127	Bolton Bros.....	Iron and hardware.....	114.03
3..	1128	C. H. Ward .....	Paints and oil .....	45.20
3..	1129	John G. Foote.....	Pay roll.....	8,716.62
June 4..	1130	St. Genevieve S. S. & G. Company.....	Stone on contract .....	4,465.45
4..	1131	H. F. Getchell and Sons	Lumber and timber.....	197.90
14..	1132	St. Genevieve S. S. & G. Company .....	Dimension stone on contract.....	1,544.12
25..	1133	A. H. Piquenard.....	Salary as architect .....	300.00
26..	1134	J. C. Taylor.....	Brick on contract.....	277.10
29..	1135	Carroll county sand- stone Company.....	Dimension stone on contract.....	1,793.18
29..	1136	St. Genevieve S. S. & G. Company .....	Dimension stone on contract.....	1,778.98
29..	1137	John G. Foote .....	Per diem and exp. supt. of finance .....	46.05
29..	1138	R. S. Finkbine.....	Salary as overseer .....	250.00
29..	1139	Ed Wright.....	Salary as secretary and expenses.....	126.50
29..	1140	E. Walker.....	Lemont stone for corridor.....	698.50
29..	1141	J. D. Seeberger.....	Iron and rope .....	38.30
29..	1142	Gilbert, Hubbard & Co..	Iron and steel rope.....	254.32
29..	1143	W. C. Street.....	Drain pipe.....	6.00
29..	1144	C. J. Hammer.....	Drayage and teaming .....	6.25
29..	1145	Hiram Robinson.....	Pipe, nipples, elbows and fitting.....	3.40
29..	1146	Bolton Bro's.....	Iron, hardware, nails and tools.....	92.56
29..	1147	H. F. Getchell and Sons	Lumber and timber .....	393.31
29..	1148	C., R. I. and P. R. R .....	Freight bills.....	3,562.35
29..	1149	John G. Foote.....	Pay roll.....	12,423.95
29..	1150	Redhead & Wellslager...	Drawing and tracing paper.....	21.51
29..	1151	Alex Robertson .....	Bo ts, sockets, lewis, and clevises.....	72.44
29..	1152	J. K. & W. H. Gilcrest...	Ash lumber .....	11.90
July 2..	1153	C., R. I. and P. R. R.....	Freight bills .....	696.75



## EXHIBIT "C."—CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR.	ON WHAT ACCOUNT.	Amount.
1875.				
July	2.	1154 Des Moines Water Co....	Water for June .....	\$ 20.35
	2.	1155 Brooks, Wilson & Stein.	Derrick-irons and tools.....	314.10
	2.	1156 S. A. Robertson .....	Lime.....	30.60
	7.	1157 J. S. Clarkson, P. M. ....	Stamps, envelopes and postage.....	44.87
	7.	1158 C. C. Winchell and Co....	Final payment on engine .....	462.80
	29.	1159 A. H. Piquenard.....	Salary as architect, July .....	300.00
	29.	1160 R. S. Finkbine.....	Salary as overseer .....	250.00
	31.	1161 Gilbert, Hubbard & Co...	Blocks, sheaves and rope.....	107.35
	31.	1162 S. D. Kimbark.....	Railroad spikes.....	10.75
	31.	1163 National File Company.	Files .....	6.26
	31.	1164 Carter, Hussey & Carl...	Blanks, and blank books .....	4.70
	31.	1165 Ed Wright.....	Salary as secretary and expenses.....	128.00
	31.	1166 E. Walker.....	Lemont stone for corridors.....	882.78
	31.	1167 National File Company.	Files .....	7.75
Aug.	3.	1168 Des Moines Coal Co. ....	Cement and coal.....	1,786.30
	3.	1169 C., R. I. and P. R. R.....	Freight bills for July .....	2,129.10
	3.	1170 S. A. Robertson .....	Lime.....	48.49
	3.	1171 Hiram Robinson .....	Hose, pipe and couplings....	7.07
	3.	1172 Alex. Robertson.....	Lewis and hooks.....	81.00
	3.	1173 C. H. Ward .....	Paints and oil .....	21.80
	3.	1174 Brooks, Wilson & Stein.	Machine and shop work.....	158.80
	3.	1175 J. K. & W. H. Gilcrest...	Lumber and dressing .....	26.55
	4.	1176 Des Moines Water Co....	Water in July .....	23.87
	4.	1177 H. F. Getchell and Sons	Lumber and timber.....	287.41
	4.	1178 John G. Foote.....	Per diem and expenses sup't finance ...	64.90
	4.	1179 Bolton Bros.....	Tools, iron, nails and hardware.....	88.16
	4.	1180 St. Geneveive S.S. & G. Co	Stone on contract .....	1,364.09
	4.	1181 J. D. Seeberger .....	Chain and rope, .....	51.32
	5.	1182 Carroll Co. S. S. Co.....	Stone on contract.....	1,209.28
	6.	1183 John G. Foote.....	Pay roll for July.....	17,252.54
	7.	1184 J. C. Taylor .....	Brick on J. N. Close contract.....	1,253.09
	7.	1185 S. A. Robertson .....	Brick on J. N. Close contract .....	260.89
	20.	1186 C., R. I. & P. R. R.....	Freight bills.....	1,991.50
	20.	1187 A. H. Piquenard.....	Models for caps furnished .....	103.35
	20.	1188 Board of Commissioners	Per diem and expenses.....	217.40
	31.	1189 J. C. Taylor .....	Plank for roadway.....	131.80
	31.	1190 Ed Wright.....	Salary as secretary.....	200.00
	31.	1191 R. S. Finkbine.....	Salary as overseer.....	230.00
	31.	1192 A. H. Piquenard.....	Salary as architect .....	300.00
	31.	1193 John G. Foote.....	Per diem and expenses as sup't finance	77.50
	31.	1194 Des Moines Water Co....	Water for August .....	82.37
	31.	1195 H. F. Getchell & Sons....	Lumber and timber.....	145.63
	31.	1196 J. D. Seeberger .....	Rubber packing.....	12.00
	31.	1197 Bolton Bros.....	Nails, iron and hardware .....	43.05
	31.	1198 Watson Coal Company..	Coal in August .....	67.98
Sept.	1.	1199 S. A. Robertson .....	Brick and Lime .....	353.18
	2.	1200 Hiram Robinson .....	Water pipe, hose and valves.....	52.66
	2.	1201 St. Geneveive S.S. & G. Co	Stone on contract.....	3,095.70
	2.	1202 Des Moines Coal Co....	Cement in August .....	1,447.85
	4.	1203 Carroll Co. S. S. Co.....	Stone on contract.....	2,912.79
	4.	1204 C., R. I. and P. R. R. ....	Freight bills.....	2,108.00
	4.	1205 Brooks, Wilson & Stein.	Castings and shop work.....	9.55
	4.	1206 J. C. Taylor.....	Brick on J. N. Close contract.....	2,350.43
	4.	1207 John G. Foote .....	Pay roll .....	13,632.76
	16.	1208 St. Geneveive S. S. Co....	Stone on contract.....	935.64
	16.	1209 S. A. Robertson .....	Brick on contract .....	274.00
	22.	1210 Ed Wright.....	Partial pay roll in September.....	1,807.42
	28.	1211 John G. Foote.....	Pay roll in September.....	9,581.57
	28.	1212 Brooks, Wilson & Stein	Shop work and castings.....	97.98
	28.	1213 National File Co .....	Files .....	23.39
	28.	1214 John G. Foote.....	Per diem and expenses sup't finance...	57.60
	28.	1215 Francis Geneser.....	Brick estimate 112.....	270.00
	28.	1216 S. A. Robertson .....	Brick estimate 113 and lime .....	519.10
	28.	1217 Ed Wright.....	Salary as secretary and expenditures..	155.50
	28.	1218 A. H. Piquenard.....	Salary as architect .....	300.00
	28.	1219 H. F. Getchell and Sons	Lumber and timber.....	81.35



## EXHIBT "E."—CONTINUED.

Date of Voucher.	Number of Voucher.	IN WHOSE FAVOR	ON WHAT ACCOUNT.	Amount.
1875.				
Sep. 28..	1220	S. D. Kimbark.....	Railroad iron and spikes.....	\$ 66.80
28..	1221	C. J. Hammer.....	Freight paid, and drayage.....	4.30
28..	1222	R. S. Finkbine.....	Salary as overseer in September.....	250.00
28..	1223	Bolton Bros.....	Iron, nails and hardware.....	66.42
30..	1224	Watson Coal and Mining Company.....	Coal for engines.....	68.64
Oct. 2..	1225	Des Moines Water Co.....	Water furnished in September.....	31.21
2..	1226	Des Moines Coal Co.....	Cement and Blossburg coal.....	1,758.20
4..	1227	C., R. I. and P. Railroad	Freight bills.....	2,186.28
5..	1228	Carroll Co. S. S. Co.....	Stone on contract.....	513.33
6..	1229	James N. Close.....	Brick on contract.....	191.02
9..	1230	J. C. Taylor.....	Brick on contract.....	1,617.77
21..	1231	John P. Irish.....	Advertising brick wanted.....	8.00
21..	1232	J. M. Hedrick and Co.....	Advertising brick wanted.....	5.00
22..	1233	Board of Commissioners	Per diem and expenses.....	168.01
25..	1234	St. Genevieve S. S. and G. Company.....	Stone, est. No. 117.....	7,422.25
25..	1235	J. C. Taylor.....	Brick, est. No. 118.....	889.36
Nov. 4..	1236	Ed Wright.....	Salary as secretary and expenses.....	155.00
4..	1237	Iowa State Register.....	Advertising brick wanted.....	13.00
4..	1238	A. H. Piquenard.....	Salary as architect.....	300.00
4..	1239	R. S. Finkbine.....	Salary as overseer.....	230.00
4..	1240	J. K. and W. H. Gilcrest	Oak lumber.....	18.60
4..	1241	Watson Coal and Mining Company.....	Coal furnished.....	114.30
4..	1242	C. A. Ryden.....	Carrying mail and express one year.....	18.25
4..	1243	Hiram Robinson.....	Valves, steam gauge and nipple.....	14.90
4..	1244	H. F. Getchell and Sons	Lumber and timber.....	233.00
4..	1245	C. H. Ward.....	Oils and brushes.....	30.15
4..	1246	Des Moines Coal Co.....	Cement.....	1,880.00
4..	1247	Des Moines Water Co.....	Water furnished for October.....	23.63
4..	1248	John G. Foote.....	Per diem and expenses as superintendent finance.....	49.85
5..	1249	Francis Geneser.....	Brick, estimate No. 119.....	323.86
5..	1250	S. A. Robertson.....	Brick, estimate No. 120, and lime.....	520.47
5..	1251	Bolton Bros.....	Iron, tools, nails, hardware, and zinc.....	126.70
5..	1252	C., R. I. and P. Railroad	Freight bills on stone.....	3,242.25
5..	1253	Carroll Co. Sandstone Co	Stone, estimate No. 121.....	1,241.38
5..	1254	John G. Foote.....	Pay roll of workmen.....	13,422.60
8..	1255	Brooks, Wilson & Stein	Castings and shop work.....	63.20
9..	1256	J. C. Taylor.....	Brick on contract.....	851.15
18..	1257	St. Genevieve S. S. and G. Company.....	Stone on contract.....	1,590.84
30..	1258	Des Moines Water Co.....	Water in November.....	17.32
30..	1259	Blasher and Bringolf.....	Ice for office and shops for season.....	9.00
30..	1260	Carter, Hussey & Curl..	Drafting paper.....	7.25
30..	1261	A. H. Swan, Attorney..	Rental on right-of-way for railroad.....	240.00
30..	1262	John G. Foote.....	Per diem and expenses as superintendent of finance.....	49.45
30..	1263	Ed Wright.....	Salary as secretary for November.....	150.00
30..	1264	R. S. Finkbine.....	Salary as overseer.....	250.00
30..	1265	A. H. Piquenard.....	Salary as architect.....	300.00
Dec. 1..	1266	Hiram Robinson.....	Valves, couplings, pipe, etc.....	11.54
1..	1267	Bolton Bros.....	Iron, hardware and nails.....	15.01
1..	1268	C., R. I. and P. Railroad	Freight bills for November.....	3,772.75
2..	1269	Carroll Co. Sandstone Co	Stone on contract.....	1,355.64
2..	1270	St. Genevieve S. S. and G. Company.....	Stone on contract.....	56.93
2..	1271	Francis Geneser.....	Brick, final estimate.....	406.14
2..	1272	J. C. Taylor.....	Brick on contract of J. N. Close.....	2,215.20
2..	1273	James N. Close.....	Brick on contract.....	279.89
2..	1274	H. F. Getchell and Sons	Lumber and timber.....	101.60
2..	1275	John G. Foote.....	Pay roll.....	7,536.55
3..	1276	Des Moines Coal Co.....	Cement and coal.....	359.70

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



## [EXHIBIT "F."]

## GENERAL STATEMENT

*Of Cash received in 1875, and to what Class credited.*

CASH RECEIVED AS FOLLOWS.

ARTICLES SOLD.	TO WHOM CREDITED.	Amount
For spawls sold.....	Credited to Carroll county Sandstone....	\$ 43.50
For spawls sold.....	Credited to Ste. Geneveive Sandstone....	39.20
For two derricks and spawls sold.....	Credited to Iowa City quarry.....	161.26
For pitch sold.....	Credited to brick masonry.....	63.13
For old castings sold.....	Credited to tools and machinery.....	2.50
For old ties.....	Credited to railroad .....	5.40
For sand.....	Credited to sand. ... ..	6.85
For tree tops.....	Credited to expenses.....	4.00
For old lumber.....	Credited to lumber and timber.....	2.50
For brick bats.....	Credited to brick.....	11.00
	On hand .....	\$339.34

## [EXHIBIT "G."]

## CLASSIFIED STATEMENT

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

ON WHAT ACCOUNT.	Amount
Plans.....	\$ 30.86
Excavation and drainage.....	6.00
Stone.....	4,456.06
Sand.....	662.66
Expenses.....	99.12
Salaries.....	9,671.20
Brick-masonry.....	—\$63 13 .....
Concrete.....	297.38
Printing and advertising.....	29.50
General labor .....	709.69
Patterns.....	321.15
Water.....	178.46
Quarry.....	2,664.81
Brick-masonry, basement.....	1,099.40
Limestone cutting.....	759.04
Cash.....	339.34
Limestone cutting.....	6,457.66
Railroad.....	1,520.50
Lumber and timber.....	2,054.13
Wrought iron-work.....	11.72
Carpenter work.....	1,589.29
Cement.....	7,491.60
Board of commissioners.....	883.30
Fuel.....	792.79
Machinery and tools.....	8,450.14
Nails and hardware .....	109.26
Water-pipe, meter.....	86.58
Brick.....	13,568.81
Iron and steel.....	51.42
Cast iron work.....	.50
Lime.....	178.31
Carroll county sandstone.....	23,770.48
Ste. Geneveive standstone.....	41,511.20
Sandstone cutting.....	47,285.62
Rubbing sandstone.....	5,953.83
Accidents.....	.50
Extra handling stone.....	712.50
Brick-masonry, 1st story.....	18,445.60
Sandstone setting.....	8,462.58
	\$210,712.99
Brick-masonry material sold.....	63.13
Total expenditures for 1875.....	\$210,649.86



## [EXHIBIT "H."]

## CLASSIFIED STATEMENT

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

ON WHAT ACCOUNT.	Amount.
Plans .....	4,023.71
Excavation and drainage.....	15,610.99
Stone .....	96,801.86
Cistern.....	1,512.12
Sand .....	4,083.04
Expenses and miscellaneous.....	1,642.35
Salaries .....	41,069.97
Repairs, foundation.....	52,353.76
Stone masonry .....	14,711.21
Brick masonry .....	7,789.80
Concrete .....	5,333.36
Printing and advertising.....	2,048.15
General labor .....	807.21
Patterns .....	699.52
Water .....	738.67
Rubble masonry.....	4,765.97
Iowa City quarry.....	66,871.30
Brick masonry, basement.....	17,100.37
Stone setting.....	6,149.37
Cash.....	339.34
Stone-cutting .....	88,576.64
Railroad .....	12,637.90
Lumber and timber.....	6,015.15
Wrought iron-work.....	13,310.18
Carpenter-work .....	5,947.16
Cement .....	27,373.31
Board of Commissioners .....	12,317.37
Fuel .....	2,261.63
Machinery and tools.....	18,807.33
Nails and hardware.....	643.91
Water-pipe and meter.....	737.44
Brick .....	50,446.61
Iron and steel .....	342.31
Cast iron-work .....	754.77
Lime .....	334.86
Carroll county stone.....	29,755.85
St. Geneveive stone.....	46,215.19
Sandstone cutting.....	55,166.02
Rubbing stone.....	6,025.08
Accidents .....	173.50
Extra handling stone.....	797.56
Brick-masonry, 1st story .....	18,445.60
Stone-setting, 1st story .....	8,462.58
Total expenditures to November 30th, 1875 .....	\$750,000.00



## [EXHIBIT "I."]

## CONSOLIDATED CLASSIFIED STATEMENT

*Of expenditures and appropriations to November 30th, 1875.*

CLASSIFICATION OF ACCOUNTS..	Classified statement of the aggregate expenditures in detail from the commencement of the work to Dec. 31st, 1873.	Classified statement of expenditures in detail from January 1st to December 31st, 1874.	Classified statement of expenditures in detail from January 1st to November 30th, 1875.	Classified statement of the aggregate expenditures in detail from the commencement of the work to Nov. 30th, 1875.
Plans .....	\$ 3,943.11	\$ 49.74	\$ 30.86	\$ 4,023.71
Excavation and drainage .....	15,604.99		6.00	15,610.99
Stone .....	89,426.72	2,919.08	4,456.06	96,801.86
Cistern .....	1,512.12			1,512.12
Sand .....	2,723.69	696.69	662.66	4,083.04
Expenses .....	1,375.11			
Miscellaneous expenses .....	62.13	105.99	99.12	1,642.35
Salaries .....	21,503.42	9,895.35	9,671.20	41,069.97
Repairs, foundation .....	52,353.76			52,353.76
Stone-masonry .....	14,711.21			14,711.21
Brick-masonry .....	7,835.23	17.70	—(63.13)	7,789.80
Concrete .....	4,389.68	646.30	297.38	5,333.36
Printing and advertising .....	1,864.40	154.25	29.50	2,048.15
General labor .....	50.59	46.93	709.69	807.21
Patterns .....	74.86	303.51	321.15	699.52
Water .....	475.03	85.18	178.46	738.67
Rubble-masonry .....	4,765.97			4,765.97
Iowa City quarry .....	24,080.77	40,125.72	2,664.81	66,871.30
Brick-masonry, basement .....	2,323.51	13,677.46	1,099.40	17,100.37
Stone-setting .....	863.35	4,526.98	759.04	6,149.37
Cash .....			339.34	339.34
Stone-cutting .....	51,267.88	30,851.10	6,457.66	88,576.64
Railroad .....	10,177.77	939.63	1,520.50	12,637.90
Lumber and timber .....	2,939.16	1,021.86	2,054.13	6,015.15
Wrought iron-work .....	488.08	12,810.36	11.72	13,310.16
Carpenter-work .....	2,938.86	1,419.01	1,589.29	5,947.16
Cement .....	13,617.62	6,264.09	7,491.60	27,373.31
Board of Commissioners .....	9,143.31	2,290.76	883.30	12,317.37
Fuel .....	957.28	511.56	792.79	2,261.63
Machinery and tools .....	9,352.63	1,004.56	8,450.14	18,807.33
Nails and hardware .....	458.32	76.33	109.26	643.91
Water pipe and meter .....	647.46	3.40	86.58	737.44
Brick .....	22,645.00	14,232.80	13,568.81	50,446.61
Iron and steel .....	252.86	38.03	51.42	342.31
Cast iron-work .....		754.27	50	754.77
Lime .....		156.55	178.31	334.86
Carroll county stone .....		5,985.37	23,770.48	29,755.85
Ste. Geneveive stone .....		4,703.99	41,511.20	46,215.19
Sandstone cutting .....		7,880.40	47,285.62	55,166.02
Rubbing stone .....		71.25	5,953.83	6,025.08
Accidents .....		173.00	50	173.50
Extra handling stone .....		85.06	712.50	797.56
Brick-masonry, 1st story .....			18,445.60	18,445.60
Stone-setting, 1st story .....			8,462.58	8,462.58
Total .....	\$ 374,825.88	\$ 164,524.26	\$ 210,712.99	\$ 750,000.00
Less brick-masonry materials sold .....			63.13	
			\$ 210,649.86	

## APPROPRIATIONS.

Made by chapter 110, Laws of the Thirteenth General Assembly .....	\$150,000.00
Made by chapter 35, General Laws of the Thirteenth Gen'l. Assem'ly for 1872 .....	100,000.00
Made by chapter 35, General Laws of the Fourteenth Gen'l. Assem'ly for 1873 .....	125,000.00
Made by chapter 35, General Laws of the Fourteenth Gen'l. Assem'ly for 1874 .....	125,000.00
Made by chapter 48, Local Laws of the Fifteenth General Assembly for 1874 .....	75,000.00
Made by chapter 35, General Laws of the Fifteenth Gen'l Assembly for 1875 .....	125,000.00
Made by chapter 48, Local Laws of the Fifteenth General Assembly for 1875 .....	50,000.00

Total appropriations to December 31st, 1875..... 750,000.00

Aggregate expenditure classified as shown above to November 30th, 1875..... \$750,000.00



## NUMBER SIX.

## REPORT OF THE ARCHITECT.

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

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

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

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

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



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

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

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

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

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

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

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

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

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

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



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

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

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

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

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

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



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

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

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

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

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

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

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



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

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

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

All of which is respectfully submitted.

A. H. PIQUENARD,  
*Architect Iowa State Capitol.*

DES MOINES, IOWA, December 16, 1875.



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