

## BOARD MEETING SEPTEMBER 11, 1877.

The board assembled in the University parlor at 3.30 P. M.

Present Messrs. Brown, Cobb, Flagg, Gardner, McLean, Mason, Pickrell and Sabin.

Absent Gov. Cullom, Messrs. Gillham and Byrd.

Letters were received from Messrs. Gillham and Byrd expressing their regret not to be able to attend this meeting.

The minutes of the last meeting, also those of the meeting of the executive committee held since, were read and approved. It was moved that the question of location of the chemical laboratory be taken from the table. Carried.

Remarks on the subject were made by Dr. Gregory, Messrs. Brown, Gardner, Flagg and Pickrell. Afterwards a recess was taken to examine the grounds and locations proposed.

Adjourned to meet at 7:30, in Doane house.

## EVENING SESSION.

Board assembled at the hour appointed.

Mr. Flagg, chairman from committee on green house, made the following report :

## THE REPORT OF COMMITTEE ON THE GREEN HOUSE.

Your committee respectfully report that having examined the old green house, and the plans and estimates furnished by Prof. Burrill, we came to the conclusion that the only practicable thing to be done, in consideration of the small appropriation, is to remove the old green house to such site as may be selected by the full board, and to improve and repair it. In making such removal we recommend that it be done by day labor, under the immediate direction of Prof. Burrill or Mr. Hays, that the rafters be replaced with stronger and more durable timber, that the base wall be built lower and that propagating houses be added on the side opposite the brick front. In making these the sash now on hand can be used; and the whole green house made good as new within the appropriation.

Did our means permit, a larger and more handsome structure would be preferred. We recommend that so far as practicable the present structure be remodeled with reference to producing a better architectural effect, both immediately and when additions become necessary. Also that if practicable, the rooms used for a laboratory and potting room, be enlarged.

W. C. FLAGG,  
J. H. PICKRELL,  
D. GARDNER.

The report was received and the recommendations concurred in.

Mr. Flagg, from committee on degrees, made the following report :

## REPORT OF COMMITTEE ON DEGREES.

Your committee respectfully report that the change in the organic law in reference to the granting of degrees by the trustees of this institution, having been procured on the petition of the alumni, it seems proper to give the subject matter due examination, and report accordingly.

It was evidently the intention of the law of 1867, which, in its regulatory features, is substantially the bill presented by the Illinois state agricultural society for the consideration of the legislature in 1865, to abolish so far as this institution was concerned, the practice then and now much abused, of granting degrees to ignorant persons, and to substitute a certificate of the actual attainments of the pupil. We are not informed as to all the reasons that led to this action : but then and now we find that the practice of giving degrees grows more and more a matter of indifference, if not dislike, to the large majority of our people.

Up to the present time the board, in accordance with an organic law, have granted certificates showing the number of terms devoted by the student to any study, and his standing as estimated by his teachers in each of the studies pursued. The certificate, if accurate, gives his precise standing as a student. We have therefore thought it well to

ask the question: Why change? The strongest reason urged is that similar institutions grant degrees: and that the position of our graduates seeking employment as teachers, and perhaps in other capacities, is not one of equality in competition with the graduates of other institutions who have received degrees.

Our attention has thus been called to the practice of other institutions: We find in the report of the commissioner of education for 1864 that 18 of the institutions founded on the national grant of lands, are reported as granting degrees. Nearly as many more received students, but from the short time since their foundation or other causes, had no graduates. We may assume that a considerable majority of these colleges have granted or will grant degrees. Where the grant has been given to old institutions the prevailing degree is that of B. A.: in the newly organized institutions that of B. S.

Is it best then to confer degrees on our graduates, and if so what degrees? We must confess that we cannot approve the practice of granting degrees at all. Degrees are of little value in themselves and have become to be conferred with such facility as to no longer distinguish the scholar from the charlatan. Unless the convictions and wishes of a majority of the alumni require it we cannot recommend the granting of them.

In case it is found the demand for degrees is pretty general, we may recommend a recession from this position, but only as a concession to a prejudice which should be gratified perhaps, but can hardly be approved. In that case we may be called upon to determine what degrees shall be conferred. This we recommend should be done by granting a specific degree according to the college or school attended by the pupil.

We would recommend for students in the college of agriculture, the degree of Bachelor of agriculture; in the college of engineering, the degree of Bachelor of engineering; in the college of natural science the degree of Bachelor of natural science; in the college of literature and science, the degree of Bachelor of letters.

This is what we would recommend if forced to take action now, but we conclude and recommend that correspondence be had with other institutions on the same foundation, with a view to securing some uniformity of practice and requirements in the conferring of degrees, or of securing their abolition entirely, as may be found most expedient after due examination.

W. C. FLAGG,  
J. H. PICKRELL,  
ALEX. MCLEAN.

The report was received and adopted.

Dr. Gregory was requested to send copies of the above report to the industrial colleges of this country, and invite correspondence with a view toward uniform action in the matter of degrees. Dr. Gregory submitted recommendations, which were acted upon as follows:

Voted to authorize Dr. Gregory to have the woodwork in the first and second stories of the main building grained, expense not to exceed \$125, chargeable to state appropriation; to allow \$25 to repair coal shed and move privy at mechanical building, to be charged to the same appropriation.

Cases in library and museum, not needed in those rooms hereafter, were ordered to be distributed under the direction of the regent and faculty in other rooms, as may be found necessary.

The regent was authorized to expend the state appropriation of \$1,000 for library, in the purchase of such books as he and the faculty may select.

Voted that the regent and Prof. Taft be authorized to make the necessary purchases for the mineralogical, geological and cabinet of natural history within the amount of the state appropriation, and to employ a taxidermist at a cost not to exceed \$150 for the year.

A committee of three was appointed, to consist of Messrs. Sabin, Brown and Pickrell, to report resolutions of thanks for various donations received for the cabinets, in accordance with Prof. Taft's recommendation.

On motion, the bids received for new laboratory (nine in number) were opened by the chairman.

S. M. Walker, of Champaign, Ill.....	\$29,500 00
Geo. Besore, of Urbana, Ill.....	28,500 00
M. W. Kaucher,                    }	
Z. E. Gill,                            } of Urbana, Ill.....	28,500 .00

B. F. Miller, }	of Champaign, Ill.....	\$27,368 00
Seeley Brown, }		
Richard Young, of Springfield, Ill.....		26,825 00
E. V. Codington, of Champaign, Ill.....		26,756 00
Mateer & Scovell, of Kankakee, Ill.....		23,900 00
G. G. Campfield, of Winchester, Ind.....		19,900 00
D. P. Hopping & Co., of Springfield, Ill.....		19,742 40

Moved to adjourn till 8 a. m., making the further consideration of bids the order for 8:30 a. m.

#### SECOND DAY'S SESSION.

The board met as per adjournment.

Minutes of yesterday's meeting were read and approved.

The following resolutions were reported by Mr. Sabin, chairman of a committee to draw up resolutions of thanks.

#### *To the Board of Trustees of the Illinois Industrial University:*

Your committee would respectfully recommend that the following resolutions be adopted.

*Resolved*, that the trustees of the Illinois Industrial University recognize in the donation of leads and associated minerals, collected in Jo Davess county, by Gen. J. C. Smith, of Galena, for an exhibit at the Centennial, and by him presented to the cabinet of this institution, a valuable and much needed series of specimens; and in acknowledgement of this generous act they cordially extend to him their hearty thanks.

*Resolved*, that the trustees of the Illinois Industrial University recognize in the donation, consisting of rare and valuable birds, eggs, woods, notes, etc., presented to the cabinet of the institution by Lieut. Geo. R. Bacon, (1st Cavalry U. S. A.) also in the valuable material added by Capt. Chas. Bendire, (1st Cavalry U. S. A.) a substantial and desirable benefit; and they extend to these gentlemen, in acknowledgement their cordial thanks.

*Resolved*, that in view of the disinterested services and effectual assistance in procuring many and valuable specimens for this cabinet of the Illinois Industrial University, the trustees hereby acknowledge their sense of obligation to Mr. Chas. R. Webb, of the city of Philadelphia, and extend to him their cordial thanks.

*Resolved*, that the trustees of the Illinois Industrial University acknowledge the receipt of a can of fishes (73 specimens) from the Smithsonian Institute, and return their thanks for the same.

*Resolved*, that the secretary be instructed to transmit copies of the foregoing resolutions to the gentlemen named.

D. D. SABIN,  
J. M. BROWN,  
J. H. PICKRELL.

A bill of \$148 07 from Trevill & Green, for repair of roof in west wing of main building, (blown off by the storm on June 24th) was audited and allowed.

A report from Mr. H. G. Crane, of the firm of Crane, Breed & Co., on the needed repairs of boilers in the heating apparatus was read, received and laid on the table for further consideration.

The question of location of the chemical laboratory was then taken up.

The vote for the location on southeast corner of arboretum, ayes and noes being called for, resulted as follows: Ayes—Messrs. Pickrell, Cobb, Gardner and McLean; noes—Brown, Flag, Mason and Sabin. Motion lost.

Judge Brown moved, that the laboratory be located east of main building. Ayes—Brown, Flag, Mason, McLean and Sabin; noes—Cobb, Gardner and Pickrell. Motion carried.

It was moved and seconded, that all the bids received be rejected. Carried.

On motion of Mr. McLean, a committee of three was appointed to

consult with architect on amendments of specification, consisting of Messrs. McLean, Mason and Brown.

The following resolutions offered by Mr. Flagg, were adopted:

*Resolved*, That the regent be requested to have immediately prepared, a circular containing the substance of the present catalogue, and to cause copies of the same to be sent to every postoffice in the state. Also that he be empowered to have prepared a poster advertising the University, to be circulated in like manner. Provided that the cost of preparing such circulars and posters shall not exceed \$75.

*Resolved*, That the professor of agriculture be authorized to have printed, with the approval of the regent, a special circular in relation to the agricultural department, and to advertise the department in the leading agricultural papers of the state. The expense of said circulars not to exceed \$10, and the advertising not to exceed \$100 in the aggregate.

*Resolved*, that the regent and the professors of agriculture and horticulture be authorized to organize and hold a farmer's meeting of about two weeks in duration, in December or January next at the University. Provided that the same be done without extra cost to the University, excepting for the printing and circulation of circulars.

It was decided that the green house, when moved, be located west of the main building and south of the path leading to the gate on Wright street.

Mr. McLean, chairman of a committee to confer with the architect on specifications, made the following report :

CHAMPAIGN, July 11, 1877.

To the chairman and trustees of Illinois Industrial University, the undersigned, a special committee appointed to examine plans and specifications of laboratory building, would respectfully report the following alterations, additions and amendments to plans and specifications already submitted, to-wit:

1st. We recommend that the basement, together with door entrances and stoops, be built of stone of same quality and general appearance as the main building.

2nd. That the windows and door caps of entire building also be of stone and like form, as on main building.

3d. That so much of the pipes and tanks for gas and water, and for the drainage of the building as can be most conveniently put in proper position, in the progress of the construction, should be included in the specifications and made a part of the work to be contracted for.

4th. That the columns in first and second stories, be of iron of suitable size, instead of wood, as in present plan, and that fourteen additional windows be placed in attic, in such places as the architect may deem best; also recommend that attic room be furnished so as to be utilized to best advantage.

ALEX. McLEAN, }  
R. B. MASON, } Committee.  
A. M. BROWN. }

The report was received and all the recommendations except the 3d, were approved.

Mr. McLean moved that the architect be requested to prepare in detail specifications according to the recommendations of the committee, as approved above, and that he provide in his specification, that the building shall be inclosed by the 15th of November, sufficiently to protect it from the weather. Carried.

Adjourned till 2 o'clock, P. M.

#### AFTERNOON SESSION.

The board assembled as per adjournment.

Mr. Flagg from committee on by-laws for faculty, submitted the following :

#### BY-LAWS FOR THE FACULTY OF THE ILLINOIS INDUSTRIAL UNIVERSITY.

1. The faculty of the University shall consist of the regent and all the resident professors, and of such assistants as have the chief charge of distinct schools. Its officers shall

consist of the regent as president *ex-officio*, and a vice-president and secretary; to be chosen annually, by ballot, at the first regular meeting in September.

2. The faculty of the University, subject to the direction of the board of trustees, shall have general control of the discipline and studies of the University, and shall make in that behalf, from time to time such regulations as they may deem expedient.

3. The faculty of the University shall meet on a fixed day of each week during term time, and at such other times as the regent may deem it necessary to call a special meeting. The order of business at each meeting shall be:

1. Calling the roll of members.
2. Reading the minutes of last meeting.
3. Reports of officers.
4. Reports of committees.
5. Reports from the several colleges.
6. Unfinished business.
7. New and miscellaneous business.

4. The president, vice-president and secretary shall have the powers and perform the duties usually devolving upon such officers.

5. The faculty of each of the several colleges shall consist of the regent and the several professors, assistants and instructors in charge. These colleges, until further ordered, shall consist of the college of agriculture, the college of engineering, the college of natural science, the college of literature and science: to which are attached also the school of military science, the school of commerce, and the school of domestic science and art.

6. The officers of the faculty of each college shall consist of the regent as president *ex-officio*, and of a dean, who shall be the senior professor of those in charge of said college, unless otherwise ordered by the faculty of the University; and in the absence of the regent shall be the presiding officer of its faculty.

7. The faculty of each college shall be charged with the immediate control of the discipline and studies within and pertaining exclusively to that college; subject to the faculty of the University and of the board of trustees.

8. The faculty of each college shall meet once each month during term time, and at such other times as the regent may deem necessary. It shall be their duty to report and recommend to the faculty of the University such changes in the course of study, or other policies, as they may from time to time deem for the good of their college, and to enforce such rules of order, studies, etc., as may be recommended and required by the faculty of the University.

On motion of Mr. McLean, the by-laws were adopted and the committee discharged.

Mr. Flagg chair man of committee on salaries, submitted the following report :

#### REPORT OF COMMITTEE ON SALARIES.

Your committee to whom was referred the subject of the reduction of salaries, respectfully report, that we find under the present condition of income and expenditure, the income, for the coming year will be about \$35,500 while the expenditure promises to be about \$39,000, or about \$3,500 in excess of our income. We do not find any surplus funds on hand that can properly be applied towards making up this deficiency. Nor is there any immediate prospect of increasing our revenue, either by obtaining a higher rate of interest on our endowment funds nor increasing these funds by the sale of the Minnesota and Nebraska lands. Both these policies can perhaps be carried out at no very remote period, but not in time to meet our present wants.

A large number of students, if the increase were large for the coming year, could meet the deficit, but this is too uncertain to be taken into our estimates. An increase in the charge for tuition has been suggested, but we regard this as a policy which should only be adopted after all other measures of balancing income and expenditure have been found impracticable. This board, it will be remembered, adopted even the present moderate scale of charges with some unwillingness, and a further advance in the same direction will still less meet the views of those who opposed the idea of making any change.

We think the increase, however gradual, of tuition fees and other charges has the tendency to keep away a smaller or larger number of the very class of students whom it is a prime object of this university to reach. We believe observation of older institutions, where the rates have been increased, bear out this belief. We think it will also justly be expected that an institution endowed with public lands and aided by state appropriations should be kept as nearly as possible a free school, in accord with the system of free schools upon which it rests.

Our conclusion is, that we must at least for the coming year, cut down our expenditure.

This may be done by discharging some of the teaching force or diminishing the amount paid the several persons engaged in teaching. Either of these is difficult. We need our present force, and do not feel that it is overpaid, as compared with those of similar institutions. But, upon the whole, it seems best to reduce expenses by deducting something from the several salaries of those receiving the largest amounts. This reduction we would consider temporary, and not to be continued another year, unless the continued deficiency in receipts seems to demand it. Meanwhile, as an immediate effort to increase receipts, we would recommend the preparation and circulation, through every

post office of the state, of circulars, posters, or such other advertisements of the institution as may be thought best fitted to call the attention of our people to the university and its advantages.

We recommend, finally, as a means of carrying out the policy aforesaid, that salaries be reduced for the coming year as follows:

That the salary of regent be reduced, as he requests, the sum of.....	\$400 00
That the salary of each of the professors, receiving \$2,000 per annum, be reduced \$100, or an aggregate of.....	800 00
That the salary of the superintendent of the machine shop be reduced \$200, and one-half of the remaining \$1,000 paid from state appropriation for building, saving.....	700 00
That the employment of an assistant in architecture and mathematics be discontinued, saving.....	750 00
That there be taken from amounts paid to subordinate assistants and employees, by employing new men or otherwise.....	200 00
That, in case Mr. Roos cannot be engaged, the amount now expended for the salaries of instructors in clay modeling and in industrial arts, be reduced the sum of.....	650 00
Reduction in the aggregate.....	\$3,500 00

All of which is respectfully submitted,

W. C. FLAGG.  
D. GARDNER.  
ALEX. McLEAN.

On motion of Mr. Sabin, the report was received and the committee discharged.

On motion of Mr. Pickrell, it was voted that the salary of the regent and full professors (receiving \$2,000 per annum) be reduced 10 per cent. Carried.

The following assistants and instructors were then nominated by Dr. Gregory, and appointed for the ensuing year:

Mr. I. O. Baker,	} positions and salary same as last year.
Mr. F. A. Parsons,	
Mr. C. I. Hays,	
Mr. M. A. Scovill,	
Mr. C. E. Pickard,	

position as last year, salary \$65 per month.  
" " " 45 per month.

The regent nominated Mr. E. A. Robinson for foreman of mechanical shops. Laid on the table.

On motion of Mr. Flagg, the salary for foreman of mechanical shop was fixed at \$1,000 per annum.

The regent's recommendation, that an additional coal shed be built, and the necessary coal purchased now, was concurred in.

Mr. Gardner, chairman from committee on additional library cases, submitted the following report and estimates:

The committee on the further completing and furnishing the library room, have examined same, and beg leave to submit the following report.

We recommend the cases now in the corners of the south end of the room be arranged by moving one case, or section, and to form an L of the remaining ones, as recommended and shown by diagram in possession of librarian. We make no change on west side of the room. We recommend that a case be placed against the wall on the east side of the room, from the corner or L cases to the door on the east side, and thence to continue to the corner of the room. We further recommend that a gallery be constructed over wall or side cases on the side, with stairs constructed at the north end to reach same. The case in the gallery to stand against the wall, and continue the entire length of the room. We recommend that the style and finish of the new cases be the same as the last cases built, or the work done in the room that is intended to be permanent.

Your committee think that the enlargement and provisions recommended will be sufficient to meet the wants, and accommodate the books of the library for the present.

And to meet further wants and room in the future, we suggest that a gallery be placed across the north end of the room, over the doors, that being a blank wall, and a great amount of room can there be obtained with little expense.

Your committee did not agree upon any particular style of finish for the gallery, but recommend that they be neat and light as possible, and submitted same to Prof. Ricker, to present a plan and style which will be furnished at our next meeting.

All of which is respectfully submitted.

D. GARDNER, }  
J. H. PICKRELL, } Committee.  
ALEX. MCLEAN, }

To the Committee on Library, of the Hon. Board of Trustees, Illinois Industrial University:

GENTLEMEN: In accordance with your directions, I have prepared the accompanying drawings showing the proposed improvements in library, and the following estimate of their cost:

East Side.

58 lineal ft. floor case @ \$6 50.....	\$ 377 00
29 " new railing (on floor) @ \$2 50.....	72 50
77 " gallery @ \$2 25.....	173 50
77 " case @ \$5 00.....	385 00
77 " railing, design No. 1 @ \$1 20.....	92 40
Stairs with two rails complete.....	100 00

Total for east side complete ..... \$1,201 10

North Side.

60 lineal ft. gallery @ 2 75.....	\$ 165 00
60 " railing No. 1 @ \$1 20.....	72 00
60 " case @ \$5 00.....	300 00

Total for north side complete..... \$ 537 00

East side..... \$1,201 10

North side..... 537 00

Total..... \$1,738 10

A style of finish similar to that of the present cases is employed.

Very respectfully submitted.

N. CLIFFORD RICKER.

On motion of Col. Mason, the report of the committee was accepted and its recommendations adopted, provided they can be carried out with the amount of the appropriation.

Adjourned to meet at 7:30 p. m.

EVENING SESSION.

The board assembled at the hour appointed.

The committee on janitors made a partial report, and was granted further time.

Prof. Ricker submitted a report in regard to needed repairs on east tower and main stair case in University building. The recommendations of the report were accepted, the repairs ordered done, and \$55 appropriated for same (state appropriation).

Mr. E. S. Lawrence, head farmer, was appointed superintendent of horticultural grounds, and it was ordered that \$200 of his salary be charged to horticultural department.

The painting of the farm house, southwest of main building, was referred to a committee, consisting of Mr. Gardner and the regent.

The business agent was directed to purchase one barrel of machine oil.

The request of Prof. Webb, for a plain table costing \$350, was referred to Col. Mason. \$10 were appropriated for repairing of surveying instruments.

The manufacturing of library cases in the carpenter shop, was refer-

red to a committee, consisting of the regent, Mr. Gardner and Prof. Ricker.

Under the accepted report from the committee, Prof. Ricker presented the additional specifications for new chemical laboratory, which, on motion of Mr. Sabin, were approved and the Professor instructed to modify the specifications accordingly.

The chairman was requested to advertise for proposals in the Champaign County Gazette, the bids to be received Tuesday, July 24th, 1877, until 3 o'clock p. m., at the University building.

\$35 for the purchase of a papyrograph for Dr. Gregory's office, were granted.

The report of Mr. Crane on heating apparatus, also a communication from Mr. A. B. Baker, in regard to sundry repairs on building, were referred to Prof. Robinson, with request to report at the next meeting.

Mr. Gardner, from committee on binding for library, reported that the job was given to Mr. G. Scroggs, of Champaign.

Report received and action approved.

On motion the board adjourned to meet again on Tuesday, July 24th, 1877, at 3 o'clock p. m.

The board met at the University parlor at 3 p. m.

Present Messrs. Cobb, Gardner, McLean, Mason and Pickrell.

Absent Gov. Cullom, Messrs. Byrd, Brown, Flagg, Gillham and Sabin.

The record of last meeting was read and adopted.

The regent submitted the report of Prof. Robinson in regard to heating apparatus, which was laid on the table.

On motion of Col. Mason the bids for construction of chemical laboratory were opened by the chairman.

S. M. Walker, Champaign, Ill.....	\$30,000
Brown & Miller " .....	29,498
Richard Young, Springfield, Ill.....	27,950
A. G. Campfield, Winchester, Ind.....	25,750
D. P. Hopping, Springfield.....	25,750
Mateer & Scoville, Kankakee.....	24,900
Terrell & Knight, " .....	23,896

On motion of Mr. Gardner, seconded by Mr. Mason, Messrs. Terrell and Knight of Kankakee, Ill. were awarded the contract, they being the lowest bidders.

On motion of Mr. Pickrell, Messrs. Terrell & Knight are required to give a good and sufficient bond for \$15,000 to fulfill said contract.

Mr. Pickrell moved that in case said Terrell & Knight fail to comply, in giving bond to complete said building, the chairman shall award the contract to the next lowest bidders, Messrs. Mateer & Scoville,—their bid being \$24,900. Carried.

Mr. Gardner moved that a building committee of three be appointed by the chair.

Pres. Cobb, appointed Messrs. McLean, Mason and Gardner, such committee.

The following resolution offered by Mr. Pickrell was carried.

Resolved, That the building committee have full power and authority to engage the services of a competent person to superintend the building of the laboratory during pro-



cess of erection, and to pay such salary to said person as they may deem just and right. And further, they shall have full power and control in all matters pertaining to the erection of the building and disposition of material on the grounds, in view of protecting same from injury, and generally to act under authority of the board of trustees.

The building committee were given authority to take measures for the drainage of the main buildings and grounds, in connection with the drainage of the new laboratory building.

Recess till 7.30 P. M.

#### EVENING SESSION.

The board assembled at the hour appointed.

The regent made the following report, as chairman of committee on janitors of dormitory and main building, which was adopted :

The committee on janitors have not as yet employed any janitor for the main building, but have several acceptable candidates before them out of whom to select. They recommend that the pay for such janitor be fixed at \$40 the month, as good, well qualified men can be had for that sum or even less. It is understood that the janitor shall still continue to have house room, fuel and lights provided as heretofore. It is also understood that he shall continue to be charged with the care of the entire building, and of the heating apparatus, as before; but that in place of employing his own assistants as heretofore, such assistants as may be needed from time to time, shall be furnished by the trustees.

D. GARDNER,  
J. M. GREGORY.

The committee to whom was referred the employment of janitors, respectfully report that they have employed for the dormitory building, Mr. C. W. Williams, at the rate of thirty dollars a month, with the right reserved of discharging him at the end of any month, whenever he ceases to give satisfaction. It is agreed also, that he shall have the use for himself and family, of room No. 1 and the two rooms adjoining it, also, of such rooms as he may need in the basement. He is also to have fuel for the ordinary use of himself and family, in sitting and dining rooms and kitchen, and gas for sitting room. He is to take charge of the entire building and out buildings, of the coal sheds and coal, and to see that all are kept clean and in good order. He is also to look after fences and plank walks, and keep the same in repair as far as his time will permit. And he will thoroughly clean the entire building, and put the same in order before the opening of the term, and make such repairs and do such other work pertaining to the janitor as the trustees or regent may at any time require. During term time he shall keep all halls and public rooms and unoccupied rooms in good order, weigh out coal to students, and preserve as far as possible good order in all the buildings under his charge and report to the regent all cases of gross disorder, or of damage done by students or others.

Respectfully submitted,

D. GARDNER,  
J. M. GREGORY.

On motion the regent and Mr. Gardner were authorized to have two patent gates put up.

The regent and Prof. Ricker were authorized to employ an assistant in architecture and shop practice, at a salary not exceeding \$400 per annum.

The regent and Prof. Weber were authorized to employ an assistant in the chemical laboratory, the salary not to exceed \$300 per annum.

On motion the regent and Prof. Snyder were authorized to correspond and apply for the detail of an army officer from the war department for an assistant military instructor.

On motion the regent was authorized to get the wainscoting and doors of the first and second floors of main building, grained, the cost not to exceed \$200.

The recommendations of Prof. Robinson in regard to the heating apparatus were referred to the building committee with power to act.

Adjourned.

## SEPTEMBER MEETING.

The board assembled on the 11th September, 1877, at 4 o'clock, p. m. and was called to order by the chairman.

Present Messrs. Cobb, Gardner, Mason, McLean and Sabin.

Absent Governor Cullom, Hon. Gillham, Messrs. Brown, Byrd, Pickrell and Flagg.

The minutes of the last meeting were read and approved.

Upon report of recording secretary, certain bills for costs in county and supreme courts were audited, amounting together to \$11.55.

The matter of foreclosure of mortgage against Mr. Miller was referred to Mr. Gardner, with power to act.

The report of the business agent was then read and received and the warrants audited.

## ILLINOIS INDUSTRIAL UNIVERSITY.

CHAMPAIGN, Ill., Sept. 11th, 1877.

Hon. Emory Cobb, Prest. Board of Trustees, Illinois Industrial University :

SIR :

I have the honor to make herewith a financial statement as business agent, for the six months ending Sept. 1st, 1877. Paper A gives the current appropriations with the expenditures and receipts under the same vouchers. Also paper B shows the condition of the state appropriations.

Your attention is also called to the papers marked C, as requiring the action of the board. Paper D. Also to several bills on which warrants have not been drawn.

Truly Yours,

S. W. SHATTUCK, Business Agent.

## STATEMENT of current appropriations and receipts, August 31, 1877.

ON ACCOUNT OF	APPROPRI- ATED.	RECEIPTS.	EXPENDED.	UNEXPEN- DED.
Dr. Gregory's expenses.....	\$13 15			
Board expenses.....	200 00		392 32	179 17
Salaries.....	16,605 00		16,237 99	367 01
Fuel and lights.....	300 00	86 58	527 13	140 55
Advertising.....	185 00			
Stationery and printing.....	300 00		507 46	23 46
Bal. st.....	568 00			
Buildings and grounds.....	200 00	57 70	155 15	670 55
Mr. Roos' drawing room.....	30 00			
Incidental expense.....	200 00	4 50	238 29	3 79
Library and apparatus.....	300 00		58 85	241 15
Tools.....	50 00			
Mechanical department.....	60 00	1,935 49	1,837 71	207 78
Architectural.....	60 00	1,859 28	1,517 00	402 28
Horticultural.....	6 72	634 73	427 61	213 84
Duties.....	158 84			
Chemical department.....		303 14	310 03	151 95
Agricultural.....	2,988 51	3,679 10	4,356 28	2,331 33
Military and gymnasium.....	50 00		50 53	53
Special—Eng. transit.....	550 00			5 50
Botanical dep't, microscope.....	95 36	32 54	110 33	17 57
Cabinet.....	150 00		95 04	54 96
Additional.....	10 00			
Eng. dep't.....	28 50		45 15	6 65
Physical laboratory.....	15 00	2 15	9 96	7 19
Veterinary department.....	787 93		1 50	786 43
Dr. Gregory's office.....	35 00			35 00
Pup. department.....		840 00	495 00	345 00
Fees and rents.....		2,019 50		
Ill. Cent. R. R. Freights.....		393 60		

## STATEMENT of state appropriations, August 31, 1877.

ON ACCOUNT OF	APPROPRI- ATED.	EXPENDED.	UNEXPEN- DED.
Taxes for 1876 and 1877.....	6,000 00	2,194 24	3,805 76
Repairs and improvements of buildings and grounds for 1877 and 1878.....	5,000 00	1,396 85	3,603 15
Current expense, chemical and physical laboratories for 1877 and 1878.....	2,000 00	315 36	1,748 54
Current expense and practical instruction in mechanical shops, 1877 and 1878.....	3,000 00	74 78	2,925 22
Library cases, 1877 and 1878.....	2,000 00	346 57	1,653 43
Books and publications, 1877 and 1878.....	3,000 00	251 10	2,748 90
Cases for cabinets, 1877 and 1878.....	4,500 00	974 47	3,525 53
Cabinets, 1877 and 1878.....	2,000 00	185 43	1,814 57
Chemical laboratory, 1877 and 1878.....	40,000 00	1,957 48	37,978 62
Green house, 1877.....	2,500 00	654 76	1,845 24

## "B"—LIST OF WARRANTS DRAWN.

No.	TO WHOM.	FOR WHAT.	AMOUNT.
512	Thos. Wright.....	Castings.....	29 20
513	Walter P. Ward.....	Painting and glazing.....	13 80
514	Emory Cobb.....	Expense to meeting.....	36 57
515	D. Gardner.....	" ".....	30 90
516	W. C. Flagg.....	" ".....	20 50
517	A. McLean.....	" ".....	19 80
518	D. D. Sabin.....	" ".....	22 90
519	J. M. Gregory.....	Salary, June.....	353 33
520	S. W. Robinson.....	" ".....	166 66
521	S. W. Shattuck.....	" ".....	166 66
522	T. J. Burrill.....	" ".....	166 66
523	E. Snyder.....	" ".....	166 66
524	D. C. Taft.....	" ".....	166 66
525	J. B. Webb.....	" ".....	166 66
526	J. C. Pickard.....	" ".....	166 66
527	N. C. Ricker.....	" ".....	125 06
528	H. A. Weber.....	" ".....	150 00
529	J. D. Crawford.....	" ".....	125 00
530	G. E. Morrow.....	" ".....	166 60
531	E. L. Lawrence.....	" ".....	83 38
532	L. C. Allen.....	" ".....	120 03
533	F. W. Prentice.....	" ".....	100 00
534	A. C. Swartz.....	" ".....	75 00
535	I. O. Baker.....	" ".....	75 00
536	F. A. Parsons.....	" ".....	75 00
537	M. A. Scovell.....	" ".....	75 00
538	A. E. Barnes.....	" ".....	60 00
539	J. Kenis.....	" ".....	60 00
540	P. Roos.....	" ".....	75 00
541	C. I. Hays.....	" ".....	75 00
542	E. A. Robinson.....	" ".....	75 00
543	A. B. Baker.....	" ".....	23 10
544	H. Hanser.....	" ".....	50 00
545	W. S. Williams.....	" ".....	5 00
546	I. B. & W. R. W. Co.....	Freight.....	3 00
547	Thos. Wright.....	Castings.....	4 97
548	A. Beard.....	Forging and Material.....	73 00
549	Agricultural Dep't.....	Farm expense June.....	5 10
550	S. J. Surdham.....	Hardware.....	443 99
551	Tribune Company.....	Advertising.....	8 32
552	G. C. Willis.....	3 packages rubber.....	25 95
553	J. R. Scott.....	Stationery.....	1 91
554	American Express Co.....	Express on specimens.....	16 65
555	A. Beard.....	Forging.....	3 60
556	Locke & Saxton.....	2,000 envelopes.....	6 00
557	Luddington Wells & VanSchaik.....	Lumber.....	10 07
558	Hubbard & Son.....	Hardware.....	183 18
559	Schoffe & Moore.....	Printing catalogue-Additional charges..	6 10
560	William Ayres.....	Hauling.....	29 40
561	James Rolph.....	Mason work on furnace.....	6 00
562	A. B. Baker.....	Piano for Commencement.....	4 50
563	C. & U. Gas Co.....	Gas for May.....	5 00
564	Jos. C. Lewellin.....	Work on plans.....	36 60
565	J. F. Moore.....	" ".....	10 65
			5 00

## LIST OF WARRANTS DRAWN.—Continued.

No.	TO WHOM.	FOR WHAT.	AMOUNT.
566	C. G. Carlton.	Files and tubing.	\$25 53
567	The Illini.	Advertising and Printing.	39 60
568	Larrabee & North.	Hardware.	28 96
569	Crane Bros. Manf'g Co.	Hardware.	5 47
570	Fuller & Fuller.	Plaster and glass.	4 48
571	R. S. Wilber.	Hauling.	11 90
572	Chas. R. Webb.	Collections for cabinet.	30 61
573	Champaign County Gazette.	Printing and advertising.	30 63
574	H. R. Buckles.	Gas-pipes, repairs etc.	4 15
575	E. N. McAllister.	Postage.	38 52
576	Student's pay roll.	June, 1877.	338 14
577	Trevitt & Green.	Hardware.	13 08
578	Trevitt & Green.	13, 6-10 square tin roof and repairs.	148 07
579	A. M. Brown.	Expense to meeting.	23 50
580	W. C. Flagg.	" "	29 10
581	D. D. Sabin.	" "	22 00
582	R. B. Mason.	" "	7 50
583	J. S. Pickrell.	" "	19 15
584	A. McLean.	" "	34 20
585	G. E. Morrow.	Purchase of seeds.	8 95
586	C. & U. Gas Co.	Gas for June.	16 20
587	American Mer. Union Ex. Co.	Charges.	2 50
588	Trevitt & Green.	Hardware.	5 75
589	Crane Bro's Manufacturing Co.	Pipe and iron.	7 91
590	J. M. Gregory.	Salary July, 1877.	333 33
591	L. W. Robinson.	" "	166 66
592	L. W. Shattuck.	" "	166 66
593	T. J. Burrill.	" "	166 66
594	E. Snyder.	" "	166 66
595	D. C. Taft.	" "	166 66
596	J. B. Webb.	" "	166 66
597	J. C. Pickard.	" "	166 66
598	N. C. Ricker.	" "	125 00
599	H. A. Weber.	" "	150 00
600	J. D. Crawford.	" "	125 00
601	G. E. Morrow.	" "	166 66
602	E. L. Lawrence.	" "	83 33
603	P. Roos.	" "	75 00
604	C. I. Hayes.	" "	75 00
605	I. B. & W. R. W. Co.	Freight.	4 44
606	E. A. Robinson.	Mitre-box saw.	8 05
607	Fuller & Fuller.	Glass.	17 84
608	W. F. Pratt.	Repairs on roof of drill hall.	18 69
609	S. W. Shattuck.	Petty expense June.	27 22
610	A. Barr.	Lumber.	175 50
611	Emory Cobb.	Expense to 3 meetings.	13 25
612	Fuller & Fuller.	Chemicals.	63 90
613	Architectural department.	Pay roll of workmen.	68 70
614	Henry Dunn.	Cleaning and repairs, drill hall.	13 80
615	Fuller & Fuller.	Glass and paints.	47 49
616	W. P. Ward.	Glazing and painting.	4 77
617	Thos. Wright.	1,061 lbs. castings.	58 95
618	A. B. Baker.	Salary July, 1877.	40 00
619	T. Parks.	Digging well.	17 00
620	Agricultural Department.	Farm expense.	517 04
621	C. B. Dickens.	32 loads manure.	16 00
622	C. S. Kingsbury.	2½ do work.	3 12
623	C. S. Kingsbury.	Work on grounds.	14 87
624	C. D. Webster.	Lumber.	38 57
625	Enterprise Coal Co.	6 cars coal.	65 60
626	M. E. Lapham.	750 shingles.	2 35
627	Fuller & Fuller.	Glass.	20 47
628	Hurd & Houghton.	Books.	10 00
629	Covert & Greenwood.	1 yale lock.	1 02
630	A. J. Wilkinson.	Hardware and tools.	19 90
631	James Kenis.	Books.	10 50
632	D. C. Taft.	Expenses collecting specimens.	17 00
633	Pay roll of workmen.	Cleaning main building.	124 00
634	Students' pay roll.	Work in July, 1877.	261 54
635	New England Glass Co.	Jars and phials for museum.	99 30
636	N. C. Terrell & Co.	On estimates acc. chemical laboratory.	1,909 91
637	Samuel McKenzie.	" " brick work G. H.	185 96
638	E. A. Robinson.	25 days work in shops.	62 50
639	C. W. Williams.	Cleaning and repairing dormitory.	42 00
640	Enterprise Coal Co.	5 cars coal.	52 00
641	J. M. Gregory.	Salary August 1877.	333 33
642	S. W. Robinson.	" "	166 66

## LIST OF WARRANTS DRAWN.—Concluded.

No.	TO WHOM.	FOR WHAT.	AMOUNT.
643	T. J. Burrill.....	Salary, August, 1877.....	\$166 66
644	S. W. Shattuck.....	" " " " " " " " " " " "	166 66
645	E. Snyder.....	" " " " " " " " " " " "	166 66
646	D. C. Taft.....	" " " " " " " " " " " "	166 66
647	J. B. Webb.....	" " " " " " " " " " " "	166 66
648	J. C. Pickard.....	" " " " " " " " " " " "	166 66
649	N. C. Ricker.....	" " " " " " " " " " " "	125 00
650	H. A. Weber.....	" " " " " " " " " " " "	150 00
651	J. D. Crawford.....	" " " " " " " " " " " "	125 00
652	G. E. Morrow.....	" " " " " " " " " " " "	166 66
653	E. L. Lawrence.....	" " " " " " " " " " " "	83 33
654	P. Roos.....	" " " " " " " " " " " "	75 00
655	C. I. Hays.....	" " " " " " " " " " " "	75 00
656	A. B. Baker.....	" " " " " " " " " " " "	40 00
657	Champaign Co. Gazette.....	Advertising.....	7 00
658	" " " " " " " " " " " "	Printing circulars.....	27 00
659	T. Butterworth.....	Advertising.....	12 50
660	Prairie Farmer Co. ....	" " " " " " " " " " " "	25 00
661	Western Rural.....	" " " " " " " " " " " "	25 00
662	E. B. Benjamin.....	Chemical apparatus.....	251 46
663	Fuller & Fuller.....	Chemicals and ink.....	6 33
664	Larrabee & North.....	Hardware.....	19 03
665	Hubbard & Son.....	" " " " " " " " " " " "	10 21
666	R. S. Wilber.....	Hauling coal.....	28 80
667	Larrabee & North.....	Hardware.....	8 91
668	Jones & Laughlins.....	" " " " " " " " " " " "	9 61
669	Covert & Greenhood.....	1 yale lock.....	2 33
670	Trevett & Green.....	Hardware.....	21 37
671	A. Beard.....	" " " " " " " " " " " "	4 75
672	Crane Bros. Manufacturing Co.	" " " " " " " " " " " "	7 03
673	C. H. Cady.....	1 doz. door knobs.....	2 00
674	A. F. Hall.....	Fruit boxes, crates etc.....	12 40
675	Thos. Wright.....	Castings.....	64 92
676	Fuller & Fuller.....	Glass and putty.....	103 82
677	August Sturm.....	Lumber.....	34 38
678	M. E. Lapham.....	" " " " " " " " " " " "	5 40
679	N. A. Williams.....	3 bbls. cement.....	8 50
680	Jno. S. Scott.....	Stationery.....	20 00
681	L. B. & W. R. W.....	Freight.....	3 13
682	A. H. Andrews & Co.....	Crayons.....	4 80
683	Abindroth & Root.....	200 caskets.....	12 50
684	Agricultural department.....	Farm expenses, Aug.....	643 61
685	" " " " " " " " " " " "	Work done on green house.....	24 77
686	" " " " " " " " " " " "	Team work on grounds.....	15 80
687	Ill. Central R. R. Co.....	Freight, June, July and August.....	253 45
688	I. I. McAllister.....	Hauling 175 loads manure.....	70 00
689	H. Swannell.....	Chemicals and paint.....	32 30
690	Samuel McKenzie.....	Sand and mortar.....	1 25
691	William Sim.....	25 lb lead.....	2 75
692	C. D. Webster.....	192 ft. poplar.....	5 76
693	Chas. Hendey.....	Painting and graining new building.....	196 00
694	I. B. & W. R. W.....	Freight.....	5 90
695	Chas. Hendey.....	Painting and glazing cabinet.....	47 33
696	C. D. Webster.....	Lumber.....	92 87
697	J. W. Wollensak.....	Hardware.....	8 93
698	A. Brown.....	Plastering.....	51 50
699	Ill. Central R. R. Company.....	Freight.....	5 95
700	Wensel Morara.....	Cleaning and repairs on muskets.....	17 95
701	C. D. Webster.....	Lumber.....	38 74
702	J. W. Shuck.....	Hardware.....	11 41
703	Andrew Barr.....	Green house sash, paint etc.....	67 84
704	S. W. Shattuck.....	Pay roll of green house laborers.....	82 50
705	A. B. Baker.....	Brush, soap and soda.....	3 50
706	Mechanical Department.....	Work for other departments.....	149 42
707	" " " " " " " " " " " "	" " and material for B. and G.....	136 75
708	" " " " " " " " " " " "	" " " " " " " " " " " "	7 89
709	Architectural " " " " " " " " " " " "	" " " " " " " " " " " "	56 26
710	" " " " " " " " " " " "	" " " " " " " " " " " "	15 09
711	" " " " " " " " " " " "	" " " " " " " " " " " "	202 76
712	" " " " " " " " " " " "	Work and material for cab. cases.....	432 09
713	" " " " " " " " " " " "	" " " " " " " " " " " "	346 57
714	Mechanical " " " " " " " " " " " "	Material for furnace.....	75 53
715	E. N. McAllister.....	Postage.....	23 98
716	Students' Pay Roll.....	August, 1877.....	428 57
717	Pay roll of laborers.....	" " " " " " " " " " " "	28 00
718	S. W. Shattuck.....	Petty expenses July and August.....	66 12
719	E. A. Robinson.....	Service as foreman 27 days.....	72 50
720	E. A. Pratt.....	Painting, glazing etc.....	44 18
721	Geo. Scroggs.....	Binding for library.....	141 00

On motion of Colonel Mason, it was voted that a committee, composed of Messrs. Sabin, McLean and J. W. Bunn, be and is appointed to report at the December meeting, upon the financial condition of the farms, and recommendations as to the future plans for conducting same.

\$20.64 were allowed to Mr. I. O. Baker, for expenses to ship and arrange exhibit at the Chicago Exposition.

The board took a recess till 8 p. m., to assemble at Doane house.

#### EVENING SESSION.

The board reassembled at the hour designated.

The regent, Dr. Gregory, then read the following report, which was received.

#### REPORT ON REGENT.

*To the Trustees of the Illinois Industrial University:*

GENTLEMEN: During the summer, since your last meeting, the several measures directed by you for the improvement of the University buildings, have been carried out with success. The wood work of the corridors of the first two floors of the main building have been grained and varnished, as also the regent's office and lecture room adjoining, the whole expense being less than the appropriation made by you for this purpose. The floors of these two corridors have been oiled. The dormitory building has been put in much better repair than usual, under the care of Mr. Williams, the new janitor, who has taken up his residence with his family in the building. The repairs ordered for the sheds at the shop, have also been made. The main staircase at the main building has been thoroughly supported by columns, in a way to remove all danger of a downfall. The entire expenditure from the state appropriation for repairs &c., is thus far only \$1,395 85. The completion of the repairs on the boiler will increase this amount to \$1,500, leaving \$1,000 for the further expenditures of the year.

The chapel very much needs a coat of calcimining, and should have the walls painted to the bottom of the windows. The registers in the platform should also be moved to the front to prevent the blackening of the walls. I recommend also the calcimining of the two corridors already grained. Also the laying of a hard wood floor in the halls of the second story of the dormitory building. The present floor is so much worn, and so rough that it cannot be kept clean; the old floor is also so broken that it will scarcely last through the year without repairs. The expense of a new floor will not exceed \$—

#### CABINET AND LIBRARY CASES.

The work on the cabinet and library cases is going on satisfactorily, and will come quite within the appropriations made for them. It is desirable that authority be given to go on with the work, so that the shops may not pause when the work already ordered is finished.

I communicate herewith the reports of Professors Burrill, Robinson and Morrow, and cordially second their recommendations, as far as the funds at your disposal will allow the expenditures required.

I communicate the following appointments made by the executive and other committees and ask their confirmation by the board:

Peter Baumgras, instructor in charge of the school of art and design.

E. A. Kimball, foreman of machine shop.

J. C. Lewellin, assistant in architecture, and foreman in wood working shop.

J. E. Gregory, second assistant in chemistry and laboratory.

I ask also authority for faculty to employ, when needed, an instructor in elocution, to be paid by fees, approved by the faculty, such fees to be reported. One of our own former students, who has taken a full course at a reputable institute, can now be had on these terms.

The committee on janitors made the following report, which was adopted and approved:

The committee on janitors respectfully report that they have employed Mr. A. B. Baker, as janitor of the main University building, for the year ending June 30th, 1878, at a salary of forty dollars a month, with the right reserved of discharging him at the end of any month, whenever he fails to give satisfaction. It is agreed that he shall have the use of the rooms now occupied by himself and family, together with his fuel and lights,

as heretofore. He is to take and have the care of the entire building and heating apparatus, and is to give his time faithfully to the duties of the janitor, or to such part of the same as the trustees, or the regent, in their absence, may direct. It shall be his duty also to direct and superintend, when required, such persons or assistants as may be employed to aid in sweeping or cleaning the building, or any part thereof, or running the heating apparatus; and he shall do such other work pertaining to the janitorship, as may, from time to time, be required of him.

Respectfully submitted,

J. M. GREGORY,  
D. GARDNER.

July 25, 1877.

Prof. Burrill made a report in regard to progress of construction of the new green house; also several recommendations in regard to matters pertaining to horticultural department.

The report was received, and the following action taken in regard to recommendations:

- 1st. Forest plantation to be thinned out in alternate rows.
- 2nd. Apple orchard, south half, to be prepared for clover next spring.
- 3d. \$50 appropriated for seeds and plants for green house.
- 4th. One acre of ground south of new green house assigned as experimental garden.

The board adjourned to 8 o'clock a. m., next day.

#### SECOND DAY'S SESSION.

Board reassembled at 8 o'clock a. m.

On motion, the completion of green house was put into the hands of the building committee.

On motion of Mr. Sabin, the appointments reported by Dr. Gregory, were confirmed as follows:

Mr. Peter Baumgras, instructor in drawing, at \$1,200 per annum.

Mr. E. A. Kimball, foreman of machine shop, at \$1,000 per annum.

Mr. J. E. Lewellin, foreman in arch. shop, at \$40 per month.

Mr. J. E. Gregory, assistant chemical laboratory, at \$25 per month.

The faculty was authorized to employ a teacher of elocution, to be under their direction, and to be paid by fees; all fees, however, to be reported to this board.

Dr. Gregory's recommendation in regard to painting and calcimining was referred to Mr. Gardner and business agent, with power to act.

On motion of Mr. Sabin, it was decided to continue the work on cabinet cases, upon the west side.

It was decided that special art students be received into the University, and the fees be the same as for other special students and preliminary departments.

On request of Prof. Ricker, \$10 were appropriated for whitewashing carpenter shop.

Prof. Robinson's request for a set of model tools costing \$25, (from state app.) was granted; also \$12 for waste, ceiling, office, etc.

On motion of Mr. Sabin, the ordinary appropriation of earnings was granted to each department.

Prof. Robinson's application for an appropriation to repair and re-wind the Rumkorff coil, was referred to Colonel Mason, with power to act.

On motion of Mr. Sabin, the recommendation of Prof. Morrow, to

purchase short horn and graded cattle, was referred to Messrs. Gardner, Cobb and Prof. Morrow, as a committee, with power to act.

The request of Prof. Morrow, for erecting sheds for cattle, was granted, expenses not to exceed \$100; the question of exchanging span of horses, was referred to Mr. Gardner.

The following report from building committee was read—on motion of Mr. Sabin, it was accepted, the recommendation contained therein approved, and the amounts of payments named allowed:

#### REPORT OF BUILDING COMMITTEE.

*To the Trustees of the Illinois Industrial University:*

The undersigned, your committee on laboratory building, would beg leave to report as follows:

1. The proposed building was formally begun on the 2d day of August, 1877, the ground properly graded according to plan and foundation walls laid as per plan. So far as the same has progressed we find the material and workmanship fully equal to the requirements of the specifications.

2. We also found that in order to get proper foundations it was necessary to dig one foot deeper so as to reach the brown clay, this change of course necessitated an extra foot in highth of walls and column footings. Prof. Ricker made estimate as to the amount of extra material and labor as follows:

Making 754 5-6 cubic feet rubble work.  
7,424 bricks laid in cement.

We would recommend the following estimate as to value of the same.

754 5-6 cubic feet stone @ 30 cents	}	\$300.69.
7,424 thousand brick @ \$10 ¢ thousand, about		

And we would recommend an allowance for this amount, provided, however, the contractors, Farrell & Co. will give clear receipts for that amount, so that it will not be any part of the original building or estimates.

3. We received estimate of materials laid on the ground, by the contractors, Farrell & Co., the same being made out by Sup't Brown, which showed—

4,554 cubic feet of stone laid in wall, @ 25c.....	\$1,138 50
234 yds. excavation, @ .75.....	36 45
25 yds. sand, delivered, @ \$1.....	25 00
20 cords stone, delivered, @ \$14.....	280 00
11,800 brick, delivered, @ \$6.50.....	767 00
	<hr/>
	\$2,246 95
Less 15 per cent .....	337 04
	<hr/>
	\$1,909 91

For which we certified as correct, and recommended warrant to be drawn for the same.

4. We engaged the services of Mr. Seely Brown of Champaign, as building superintendent, whose duty it is to be present on the ground during the entire time the workmen are engaged, and to see that proper materials are used, and good workmanship performed. For such service we promised to pay him at the rate of one hundred dollars per month for his time actually so occupied, and would recommend that you pay him monthly the amount named.

5. We would recommend the allowance of the following accounts, which are herewith submitted:

No. 2, W. A. Balcom.....	\$ 5 00
No. 3, N. C. Ricker.....	21 90
No. 4, Work and material.....	6 53
No. 5, Mary L. Page.....	32 30
	<hr/>
Total amount.....	\$65 73

and that the same be charged to laboratory building account.

We would also urge upon the contractors the necessity of having more workmen on the building so as to insure its inclosure by the time stipulated, and will do what we can to aid in that result.

Respectfully submitted,

ALEX. MCCLAIN,  
D. GARDNER,  
R. B. MASON,  
Building committee.



We herewith submit Prof. Ricker's report on same matter, and ask the same be filed with this report:

URBANA, Sept. 11, 1877.

To the Building Committee, of the Hon. Board of Trustees of Illinois Industrial University:

GENTLEMEN: I have the honor to report as follows, in regard to the chemical laboratory:

Work was actually begun on the excavation on August 2d, but for a week or two only three men were employed. The delay in the progress of the work was caused at first by there being but two or three masons employed, and afterwards by their waiting for sills and window frames.

The contractor, however, declares that he can enclose the building before the time agreed upon. So far, he has acted honorably and appeared anxious to do a good job, willing to throw out any material condemned by the superintendent.

The foundation or footing courses are all of dimension stone, and are better than he contracted to put in, superior to those of the main building, without any extra charge.

I placed the guide, as directed by you, making the stone water table of the laboratory 2 feet below that of the main building, thus leaving the excavation about 2 feet deep at the highest point of the site, and 16 inches at its lowest point. But after they were made they were not deep enough, and in consultation with Mr. Gardner, it was decided to go one foot deeper, which proved sufficient to reach the brown clay, and secure a good foundation. This change of course necessitated an extra foot in height of all the walls and column footings, making an addition to the amount to be paid to the contractor under the contract.

Mr. Brown and myself concluded that it would not be necessary to carry the area walls, and walls under doors of basement, any deeper than mine walls, which would make them three feet deep, sufficient protection against frost. This saves one foot in depth for these walls, which were specified one foot deeper.

Mr. Brown measured up the extra foot in height of walls, and deducted therefrom the amount saved on area walls, &c., making 754 5-6 cubic feet rubble work.  
7,424 brick laid in cement.

Mr. Jewell told me that he would do this extra work for 30 cents per cubic foot of rubble, and \$10 per thousand of brick. This would make the cost

754 5-6 cubic feet stone @ 30 cents.....	\$226 45
7,424 bricks @ \$10 .....	74 24
	<hr/> \$300 69

Mr. Brown says that 28 cents and \$8 would be a fair price, which would make the cost \$270 74 or about \$30 less.

I have not agreed on any price with Mr. Jewell, not being authorized to do so, but have left the matter for your decision.

The frames and inside finish were job-let to Mattier & Scovell, of Kankakee. The window frames delivered here have 1½ inch thick sills, while 1¾ was given on the detail drawing, and they have not yet been accepted. Mr. Mattier, in Mr. Jewell's absence, has been notified, but no reply yet received. Mr. Brown has fulfilled his duties to my perfect satisfaction.

In order to prepare the specifications and drawings without any more delay than unavoidable, especially as much of my own time has been required in the shop, I have been compelled to obtain some assistance in inking and tracing.

Mr. W. A. Balcom, arch. student, worked four days @ 1 25 .....	\$ 5 00
Miss M. L. Page, 25 8¼-10 days @ 1 25 .....	32 30
I have personally expended for drawing materials, and other necessary expenses connected with chemical laboratory.....	21 90

Making, total office expenses ..... \$59 20

Detailed accounts of these expenses are in the hands of the business agent.

All details of the building are completed, except mansard windows, chimney caps, stairs and iron railings and cresting. This will require about a week's work, and I can have them ready when they are required for the contractor's use.

An estimate was prepared by Mr. Bunn, at beginning of Sept., 85 per cent. of which is a little over \$1,900, has been paid to the contractor by per cent.

Very respectfully submitted,

N. CLIFFORD RICKER,  
Architect of Chemical Laboratory.

On motion, Mr. Gardner was authorized to take the necessary steps to furnish deeds to Mr. Burnell for lands sold to him.

The repair of sidewalks was referred to Mr. Gardner and the business agent.

The following communication from Dr. F. W. Prentice, veterinary surgeon, was received, and leave of absence was granted to him as re-

quested, without compensation during the time of absence, and subject to the approval of the faculty.

ILLINOIS INDUSTRIAL UNIVERSITY, September 11th, 1877.

Hon. J. M. Gregory, LL. D. and Board of Trustees,

GENTLEMEN: I very respectfully ask leave of absence during the months of November, December, January and February of this school year. I am induced to make this request that I may spend the time in the study of comparative pathology, at some prominent medical school of this country.

The intimate connection between human and veterinary medicine, the many communicable maladies from animals to mankind, the similarity of treatment in numerous cases, the frequent possibility of the prevention of the spread of contagious diseases, and many other reasons, render it highly desirable that a public teacher of animal physiology and pathology, should be well versed in all that is known of human diseases and their treatment.

Should my request be granted I will do everything in my power to make up the instruction to the students, before and after my return.

Very respectfully,

F. W. PRENTICE, M. R. C. V. S.

Mr. Gardner was requested to take the necessary steps relating to opening a central avenue through the grounds, north from main building.

The treasurer, Mr. J. W. Bunn, then read his report, which was received and approved.

#### TREASURER'S REPORT.

*John W. Bunn, Treasurer, in acc't with Illinois Industrial University.*

1877				
June	5	To balance.....		\$11,112 38
"	15	" Interest on Morgan county bonds.....	\$2,000 00	
July	2	" Kankakee county bonds.....	3,000 00	
"	2	" Pike county bonds.....	3,000 00	
"	2	" Chicago 7 per cent. bonds.....	875 00	
"	2	" Illinois 6 per cent. bonds.....	930 00	
"	2	" Champaign county bonds.....	1,208 25	11,013 25
"	2	" am't rec'd from state for taxes on lands in Nebraska and Minnesota.....	2,194 24	
"	2	To am't rec'd from state, buildings and grounds, for repairs and improvements.....	2,500 00	
"	2	To am't rec'd from state, mechanical shops, current expenses.....	1,500 00	
"	2	To am't rec'd from state for library and cabinets.....		
"	2	" Library cases.....	1,000 00	
"	2	" Books and publications.....	1,500 00	
"	2	" Cases for cabinets.....	2,250 00	
"	2	" Specimens for geological, mineralogical and natural history.....	1,000 00	
"	2	To am't rec'd from state for green house.....	2,500 00	15,444 24
"	2	" Chemical and phys. lab'y.....	1,000 00	
"	2	" Chemical laboratory.....		20,000 00
Aug.	31	on acc't Mechanical department.....	1,310 80	
"	31	" Architectural.....	1,136 74	
"	31	" Agricultural.....	555 03	
"	31	" Horticultural.....	88 19	
"	31	" Chemical.....	101 34	
"	31	" Buildings and grounds.....	36 00	
"	31	" Fuel and light.....	37 96	
"	31	" Microscopes.....	32 54	
"	31	" Fees and room rents.....	397 00	
"	31	" Tuition.....	20 00	
"	31	" Ill. Cent. R. R. freight.....	253 45	3,905 05
				\$61,538 92

JOHN W. BUNN,  
Treasurer.

Urbana, Sep. 13th, 1877.

*John W. Bunn, Treasurer, in acc't with Illinois Industrial University.*

1877			
Aug. 31	By am't paid	Board expense.....	\$ 279 37
" 31	" "	for salaries.....	7,351 85
" 31	" "	Buildings and grounds.....	38 62
" 31	" "	Fuel and lights.....	297 00
" 31	" "	Stationery and printing.....	289 34
" 31	" "	Mechanical department.....	1,185 24
" 31	" "	Architectural.....	1,175 19
" 31	" "	Agricultural.....	1,902 39
" 31	" "	Horticultural.....	60 35
" 31	" "	Chemical.....	48 05
" 31	" "	Military.....	23 93
" 31	" "	Library and apparatus.....	5 64
" 31	" "	Incidental expense.....	81 39
" 31	" "	Preparatory department.....	90 00
" 31	" "	Physical laboratory.....	1 00
" 31	" "	Civil engineering.....	28 19
" 31	" "	Microscopes.....	40 62
" 31	By am't paid on acc't state appropriations,		
" 31	For Chemical laboratory.....	1,957 48	
" 31	" Green house.....	654 76	
" 31	" Buildings and grounds.....	1,300 51	
" 31	" Chemical and physical laboratories.....	315 36	
" 31	" Mechanical shops.....	74 78	
" 31	" Library cases.....	346 57	
" 31	" Books and publications.....	163 00	
" 31	" Cases for cabinets.....	479 42	
" 31	" Cabinets.....	164 61	5,456 49
" 31	By balance.....		43,224 28
			<u>\$81,538 92</u>

JOHN W. BUNN,  
Treasurer.

Urbana, Sep. 13, 1877.

#### APPROPRIATIONS.

For the fitting up of the book keeping room, \$75 were granted, (from state appropriations) also \$35 for samples and checks.

The following appropriations from current funds, were made for the six months ending February 28th, 1878.

*Appropriations from current funds, for six months ending Feb. 28, 1878.*

Board expense.....		\$ 200 00
Salaries—		
Regent.....	\$1,800 00	
9 professors.....	8,100 00	
2 professors.....	1,500 00	
Prentice.....	600 00	
Allen.....	600 00	
Baumgras.....	600 00	
Parsons, }.....	1,800 00	
Scovel, }		
Baker, }		
Hays, }		
Chemical assistant.....	150 00	
Lewellin.....	240 00	
Gym. and military.....	30 00	
Choir teaching.....	50 00	
Janitor N. B.....	240 00	
" ".....	300 00	
" dorm.....	180 00	
Library.....	60 00	
		<u>16,300 00</u>

## APPROPRIATIONS, ETC.—Continued.

Fuel and light.....		\$2,000 00
Stationery and printing.....		200 00
Buildings and grounds.....		100 00
Incidental expense.....		200 00
Agricultural department.....		2,331 33
Horticultural     “.....		213 84
Mechanical       “.....		207 78
Architectural    “.....		402 28
Chemical         “.....		151 95
Military          “.....		50 00
Specials—Book keeping, checks, samples, etc.....	\$ 35 00	
Plants and seeds for green house.....	50 00	
Chicago Ep. Baker's Ep.....	20 64	
Courts charges.....	11 55	
Advertising unexpended.....	69 50	
Papyrograph for regent's office.....	35 00	
Engineering transit.....	550 00	
Model of horse (from state appropriation).....	786 43	
Microscopes, unexpended.....	17 57	1,575 69
		<hr/> \$23,932 87

The board then adjourned to meet again on Wednesday, December 5th, 1877, at 4 o'clock p. m.