
MARCH 9, 1875.

The Board met at the University parlor at 4 o'clock P. M.

Present: Messrs. Brown, Boyd, Blackburn, Gardner, Mason, Pickrell and Sabin.

Absent: Gov. Beveridge, Messrs. Cobb, Gillham and Slade.

In absence of the President, Mr. Brown was elected chairman.

Mr. Blackburn opened the session by offering prayer.

Letters from Gov. Beveridge, Mr. Cobb and Mr. Slade, expressing regrets at not being able to attend this meeting, were read.

After organizing, the Board took a recess to meet at 7:30 P. M., at the Doane House.

EVENING SESSION.

The Board reassembled at 7:30 P. M., as per adjournment.
 The minutes of the last meeting were read and approved.
 The Regent, Dr. Gregory, then read his report.

REGENT'S QUARTERLY REPORT.

To the Board of Trustees of the Illinois Industrial University:

GENTLEMEN—Although this remains the annual meeting as far as the election of officers is concerned, it is not the proper time for the annual report, since it occurs in the midst of one of our terms, and neither permits a summary of the year's work nor a completion of the statistics required by the State law. Reserving, therefore, the full showing of our labors and progress, till the proper close of the academic year, I shall only attempt to bring before you such statements as may be necessary to guide your action in providing for the present and the coming term.

Nothing has occurred since your quarterly meeting in December last to disturb the quiet or efficiency of the University. We have been visited by two committees of the General Assembly of the State, the members of which expressed their surprise at the unexpected grandeur and evident power and utility of the University and urged that more active measures be adopted to make known to the people at large the facilities provided here by the grants of Congress and of the State legislature. Our application for appropriations for the several objects determined on at your last meeting is still pending, and it is hoped that the most important askings will be met as you desire.

NUMBER OF STUDENTS.

The whole number of students in attendance this term is as follows:

Male students.....	251
Female ".....	80
Total.....	331

Whole number in attendance thus far during this year:

Male students.....	266
Female ".....	84
Total.....	350

Numbers in the several colleges and schools:

I have asked reports from the chief officers in the several schools, and these reports hereto appended will give you fuller statements of the actual work and wants of these schools. Knowing your disposition to give to every department of the University all the aid in your power, I need only commend these various requests to your consideration. The amounts asked are not large and I hope may all be granted.

The School of Chemistry urges afresh its need of more ample and more convenient laboratories, and as it is hoped the day is approaching when this necessity will be met, the Professors in this department have prepared a plan for a building such as they deem suitable. Unfortunately there are no laboratories in this country which can be of any special service in planning a new one. Most of American laboratories, like our own, consist of old buildings fitted up for the new purpose, or of small buildings built to serve temporarily or designed to be enlarged as the necessities grow. In the absence of any good models, it is desirable that steps be taken to perfect a plan here for a first class and extensive chemical laboratory, sufficient for all our work in that department.

The School of Architecture, though not yet large in numbers, is steadily increasing, and by the spirit manifested in it, gives promise of becoming one of our most useful and popular departments. The experiment made in clay modelling has been quite successful, and I earnestly recommend that the experiment be continued through another term to test still more fully the desirability of adding it as a permanent feature of the school.

The School of Agriculture has gained something in scope and thoroughness by the appointment of an Agricultural Chemist, but it will still require the services of a Professor of Agriculture as soon as a suitable man can be found for that place.

The report of the Head Farmer, which I herewith transmit, gives an encouraging view of his work and prospects. Allow me to emphasize the statement that we have no need of, nor any proper business with, a farm, except as a necessary part and facility of an agricultural college, as a means of experiment and illustration. It will need careful attention to this end to make as far as practicable a true means of teaching Agriculture to the young men who come here to study Agriculture. It is already demonstrated that the farm can be made to pay its way; but it must be expected that some departments maintained especially for purposes of instruction will not pay their way. We shall need to maintain some animals for the illustration of breeds, which will be kept, perhaps, at an expense above their profit. But to be without them will be a loss and damage. It was a matter of regret that we were obliged to part with some of our blooded stock. It has already called forth some criticism. I submit to you the propriety of replacing the stock sold by other and better animals as soon as convenient.

The Business Agent calls your attention to the condition of the tin roofs. These and the conducting spouts demand immediate attention, if our buildings are not to receive serious injury. The painting of our barns and other frame buildings ought to be provided for. Much of this work might, perhaps, be accomplished by the labor of students, if it can be done during the session of the University.

METEOROLOGICAL OBSERVATIONS.

It has been found difficult to keep up the meteorological observations without employment of some trustworthy and careful person to make the daily observations and record. These observations were recommended on the 1st of January, and have been regularly transmitted to the War Department at Washington. An appropriation of \$10 a month, or perhaps of \$100 a year, will be sufficient to secure their regular continuance.

AGRICULTURAL LECTURES.

Arrangements have been made for the course of Agricultural lectures to the Senior Class, provided for by your resolution of December last. The lectures will be delivered during the approaching term. If necessary, I ask that the appropriation for the same be renewed.

LIBRARY.

An appropriation has been asked from the legislature for the library. But as some time must elapse before this can be had, if at all, and as some books are needed at once, will it not be advisable to authorize the purchase of not exceeding \$300 worth of books.

THE TEACHING FORCE

Now employed and under engagement for the remainder of the current year, is probably sufficient for the Spring Term, and the engagement of new teachers for another year may be left till your next meeting; but provision ought to be made in the annual appropriations for them.

THE CENTENNIAL.

In a former report, I called your attention to the great International Exhibition to be held at Philadelphia, in 1876. The indications already give assurance that this exhibition will be widely national in character, and twenty-two foreign governments have given notice of their purpose to participate. A movement is on foot, chiefly under the direction or with the concurrence of Gen. Eaton, the Commissioner of Education for the U. S., to secure a full exhibition of the educational institutions and work. It will be greatly to the advantage of the University to make a full exhibit of the work of the several departments. If this is to be done, it will be desirable to provide at once for materials for the work to be done in the shops to represent the schools of Mechanical Engineering and Architecture, and to authorize preparations in all other departments. It will cost from \$300 to \$500 to make such an exhibition, and it may be safely assumed that it will be worth all this as an advertisement.

CERTIFICATES.

The Faculty direct me to ask the Trustees to have prepared and engraved a suitable certificate for students who shall pass the full course of study in either of the Colleges, and also smaller certificates for those who may have pursued such partial courses as may entitle them to certificates under the law.

ADVERTISING.

I have already stated the opinion expressed by the legislative committee that the people of the State ought to be more thoroughly advertised of the real value of the facilities provided here by the grants of Congress and the Legislature. The justice and good policy of this must be apparent to all. It is a matter then both of duty and policy to give the University large, thorough and effective advertisement. This is the more necessary since for the past two years the advertisement has not been as much as was desirable.

I recommend that the Business agent be authorized to issue as soon as practicable an edition of the catalogue not exceeding 3,500 copies, and to issue such other circulars as may be necessary. Also to at once insert advertisements in such papers as may be selected, to an amount not exceeding \$. . . In this connection I may also say that perhaps our most effective advertising has been done by the public addresses given by the Regent, and occasionally by other members of the faculty. It seems desirable therefore that we shall be at liberty make such addresses, even in term time, if it can be done without neglecting our work here and without expense to the Board. It is true that this liberty shall be carefully guarded against all possible abuses. I make this statement here not to ask special action, but simply to announce the policy which seems to me judicious.

REPORT OF E. L. LAWRENCE, HEAD FARMER.

To DR. J. M. GREGORY, *Regent Ill. Ind. University* :

At a meeting of the Board in September last, it was agreed that the year, as regards the Agricultural Department, should begin and end with December 1st, instead of March 1st, as heretofore. Accordingly at the time of the meeting in December last, I made a report detailing the operations of the department for the nine months then past. I herewith present a statement of the operations since that time, together with some suggestions with reference to the wants of the department; also recommendations for certain experiments in feeding stock.

The cash receipts for the last three months amount to \$1,208 53; and credits from other departments to \$225 45—total, \$1,433 98. Of the cash receipts, \$555 was for hogs, making the sales for the year, \$1,136 30. I reported at the last meeting, \$410 26 in accounts, the most of which has been paid. The remainder of the cash receipts was mostly from sales of hay. The accounts against other departments are made by hauling 22 cars of coal, feeding experiments, etc.

The total expenses for this time are \$1,156 47; \$162 78 was paid for bran and meal, mostly to be used in the experiments; \$285 was paid for short-horn heifers; \$18 for an old cow to feed, and the balance was for labor, incidental expenses and the Head Farmer's salary. As a detailed account of this will appear in the next annual report it is thought not necessary to be more minute at this time.

The feeding experiments are as follows:

1. Sixteen steers coming three years old are fed, 8 in the yard on shock corn, the usual way of feeding. These are pretty well sheltered from the wind by the barn and a high, tight board fence; 8 are fed in the barn, tied in stalls, 2 of which have corn in the ear, 2 corn meal fed dry, 2 corn meal mixed with cut straw wet, and 2 on middlings and cut straw—all (in the barn) having what clover they will eat, of the best quality. Those fed the cut straw requiring one-half the amount of the other.

2. Two yearling steers are fed in the barn. One has 12 lbs of corn in the ear, daily, and one same weight of wheat bran. Each having straw for roughness.

3. An old cow is fed on meal, beets and clover.

4. Comparing Berkshire and Poland China hogs. The first trial commenced October 1, and ended December 1, the result of which has been reported to Mr. Johnson, Superintendent of Experiments. Another was commenced March 1, the same trial as the first, together with a list of the value of grinding and feeding the meal dry.

5. To ascertain, in corn, the cost of raising hogs from first to last, as well as to learn what stage of growth costs least. This was commenced by taking two breeding sows at the time of breeding, and keeping weights. This, for reasons beyond our control, has been a failure.

I would recommend the continuation of the experiments enumerated above, with an addition in cattle feeding of a test in steaming the feed, substituting hay or straw for the corn stalks used in the experiment two years ago.

While it seems desirable to feed hogs high, so as to place them on the market as soon as possible, it is evident that the stock is being injured by the continued use of corn as feed, and nothing else. The result of this seems to be that the blood becomes degenerated and the constitution weak, terminating in disease, principally cholera. More than this, the concentrated nature of the food used is such that the stomach of the animal is reduced in size, so that but a small amount of food can be consumed, and in the end the practice defeats itself. I would recommend a continued trial of beets, fed with corn, and at times without, carefully noting the result. Beets thrive remarkably well in this soil, as we raised a fine crop last year, notwithstanding the drouth.

I think but few farmers appreciate the value of sour milk and kitchen slop, when fed to hogs; my own idea being, that the sour milk from a good cow will go a long way toward paying for the keep of the cow, as the hogs thus fed, when young, seem ever after to be better animals. I think a valuable experiment might be made with material we always have on hand, to prove or disprove these conclusions. Milk is the best preventive of hog cholera known, and I think a drink of new warm milk will go further toward curing a hog sick with this disease than all the poison drugs or any part of them, known.

In December last, as you are aware, but it has not been formally reported, I purchased two Short Horn heifers. While I think the investment a good one, we are in need of something better. I hope arrangements will be made for the early purchase of a cow or heifer, such as we need. The sales of stock made, that stands to the credit of this branch of the department, are as follows:

Short Horns, cow and bull calf.....	\$350 00
Ayrshires, 2 cows, 2 calves, 2 bulls.....	350 00
Devon bull and calf.....	80 00
Jersey calf.....	50 00
Total cash sales.....	\$830 00
Herreford cow and bull: Note payable November 10, 1875.....	240 00
Total sales.....	\$1,070 00

Deducting the amount paid for the Short Horn heifers, leaves..... \$785 00

It has been suggest that the Short-horn bull might be sold and a younger animal purchased. He can be sold for a fair price, and the use of him retained as long as desired or till we have another of suitable age for service.

In conclusion, I will say that I share with others the "inspiration" that says we are to have the best season for crops and prices for several years. We have hauled out a large amount of manure, about 700 loads, covering about 18 acres, (about one-half of this has come from the city,) and the land is all in good shape. The good prospects we have, coupled with the faith and determination we have to succeed (no very small items) lead me to believe that you can safely count on the Agricultural Department for a good dividend for the coming year.

E. L. LAWRENCE,
Head Farmer.

URBANA, March 8, 1875.

REPORT OF PROF. T. J. BURRILL.

INDUSTRIAL UNIVERSITY, }
URBANA, ILL. March 9, 1875. }

DR. J. M. GREGORY, *Regent*:

The operations in the Horticultural Department since the last meeting of the Trustees, have been confined within doors—posting the books of record, grafting by the class, and the usual work in the greenhouse. The heating of the latter has been much more satisfactory than ever before. By a change made last summer in the setting of the boiler and the flue, the same apparatus heretofore in use has been much more effective with less consumption of coal. There has been a serious difficulty in regard to water supply the latter part of the winter. The plants are in good condition, showing better than words the efficiency of the student, R. H. Hannah, who has the care of them.

NEEDS OF THE DEPARTMENT.

The fences are in many places out of repair. We have always been troubled with inroads of cattle in the arboretum grounds. A change suggested by the Business Agent is hereby recommended, viz: throw outside the walk on the west, and the row of lots on the north. On the south side of the orchard and experimental farm the opening of a road calls for a fence the whole length. The hedge is sufficient a part of the way—on the east of forest and west of orchard

some repairs are required in connection with the hedges—on the north of forest and of that portion of the Experimental Farm, a hedge was set, but has been removed. It is deemed expedient to set a hedge, in connection with adjoining owner, if practicable, upon this line. I suggest that this whole matter be put in the charge of the head farmer.

In the fruit tree department of the nursery some seeds and stocks are required to keep up the amount and to secure materials for the practice of students. Including the purchase of some new varieties of small fruits, about twenty-five dollars are needed.

For hardy trees and shrubs for the ornamental grounds and arboretum, to be set in nursery, forty dollars may be judiciously expended. This amount can be readily realized in two or three years, from plants propagated from this stock, and to purchase the same now ready for the grounds would require many times the sum. But besides this, one hundred dollars is almost imperatively demanded for trees, shrubs and herbaceous plants, to be set this spring in arboretum and grounds about new building. Much more than this might be profitably used, but with the supply now ready in nursery, it is believed a good show for the year can be made with this sum.

For seeds, bulbs and small plants of many varieties for the green house, including small hardy roses, to be transferred to the ornamental grounds, when grown, the sum of thirty dollars is hereby requested.

Some additions to the forest-tree plantation should also be made. The arbor-vitæ secured for the forest two years ago, and set in nursery, have not been planted on account of the wetness of the location designed for them. This is now drained, but the trees are now so large and valuable for other planting that the purchase of small ones for the forest is advised. The chestnut before planted have entirely failed. Another trial is desirable.

The oaks have not been procured at all. If acorns can be obtained now, their purchase is recommended. It is considered desirable to try a large growing variety of apple-tree—probably Yellow Bellflower—in the forest. We can prepare the grafts of these at little cost. An estimated amount of thirty-five dollars is asked for these purposes.

On account of the number of trees we now have to move, an implement known as a tree-digger is greatly needed. It will save for us in labor this year more than its cost, which is estimated at twenty dollars. It can readily be made by the Mechanical Department, and may be for less than the amount stated, but a few spades will also be needed.

RECAPITULATION OF AMOUNTS STATED.

Fences.....	
Seeds and stocks (Fruit) for nursery.....	\$25 00
Ornamental plants and kinds for collection in nursery.....	40 00
on grounds.....	100 00
Green-house plants, &c.....	30 00
Forest.....	35 00
Implements, tree-digger, \$20; spades, \$6.....	26 00
	<hr/>
	\$256 00

If the unexpended balance of last year is renewed to us I think we can get along.

Our labor expense will be about the same as last year.

Respectfully submitted,

T. J. BURRILL.

Professor Horticulture.

CHEMICAL DEPARTMENT.

J. M. GREGORY, L. L. D., *Regent Illinois Industrial University:*

. DEAR SIR—The undersigned begs leave to submit the following brief statement, showing the condition of the Chemical Department during the last and the present term:

The class in Elementary Chemistry for last fall term numbered 104. Of these 94 passed examination at the close of the term, the remainder having either changed their studies or left the institution before examinations commenced. The number of students being too large for a single class, two divisions were formed, each having five recitations per week. During the term the principles of Chemistry and Chemical nomenclature were taught, and the non-metals taken up in their turn and studied.

The class in Mineralogy numbered eight, seven of whom passed examination, one member being absent on account of sickness.

The whole number of students in the Laboratory last term was twenty-seven. Two of these began in qualitative analysis. The rest were advanced students, who made quantitative analyses of various kinds, as well as chemical preparations.

The number of students in Elementary Chemistry this term is fifty-three, reciting in two divisions. The work for the present term has been the chemistry of the metals. Particular attention was given to the different metallurgical processes of obtaining the metals from their ores, as well as to the commercial products obtained from them, and their use in the arts.

The whole number of students in the Laboratory this term is 85. Of these 62 are new students, who are now engaged in qualitative analysis, and occupy the lower room in the Laboratory.

Of the 23 advance students, who occupy the upper room, 5 are in the Agricultural course; 3 are studying Toxicology and the Micro-Chemistry of Poisons; 2 are engaged in making chemical preparations, and the remainder assaying and analyzing various ores and minerals.

The want of a new Laboratory has been very seriously felt this winter. The freezing up of gas pipes and the water tank was a source of a great deal of annoyance and interfered materially with the progress of the work.

It is unnecessary to mention that by crowding 62 students into the lower room, conditions are brought about which are detrimental in a sanitary point of view, especially to the instructors and assistants, who are obliged to be present all day, not saying anything about having two students work at the same desk, which for a great many reasons is a very unsatisfactory arrangement.

According to your request, we have gotten up plans for a new Laboratory building. Mr. Ricker has kindly given us his assistance and completed the drawings, which we herewith submit to you.

Very respectfully,

H. A. WEBER.

DEPARTMENT OF EXPERIMENTS.

TO EMERY COBB, ESQ., *President of the Board of Trustees Illinois Industrial University:*

SIR—I beg respectfully to submit the following short report of progress in Department of Experiments, since the meeting of the Board in December, 1874:

Referring to that portion of the action of the Board at that time, which adopted my programme of experiments, on condition that the necessary appropriation should be obtained from the Legislature, and appropriated \$100 for the purpose of obtaining seeds from abroad, I have the honor to inform you that an order for seeds was sent to Paris, through a New York house, early in January; that the seeds arrived in New York on the 23d of February, were taken from the Custom House and given to the agents of the Union Fast Freight Line on the 27th, and that their arrival is daily expected. The following is a copy of the invoice received from the well known seedsmen of Paris, Messrs. Vilmorin, Andressy & Co.:

- 55 pounds Silver Grey Buckwheat.
- 6.60 pounds Caragua Maize.
- 11 pounds Lucerne Grass Seed.
- 10 pounds Italian Ray Grass.
- 55 pounds Spring, or March Rye.
- 35 pounds Summer Rye of Saxony.
- 2.20 pounds Broom Corn Seed.
- 2.20 pounds Sorghum Seed.
- 55 pounds Winter Oats (to be sown very early).
- 55 pounds Coulomnius Oats.
- 55 pounds Polish Oats.
- 55 pounds Blue-stem Spring Wheat.
- 55 pounds Sarnaue Spring Wheat.
- 55 pounds White Flowering Flax.
- 55 pounds Winter Flax (to be sown very early).
- 22 pounds Piermont Hemp Seed.
- 2.20 pounds Margold Wertzell.
- 2.20 pounds Mangold Wertzell Globe (red).
- 2.20 pounds Mangold Wertzell Globe (yellow).
- 2.20 pounds Green-collared Sugar Beet.
- 4 ounces Forage Carrot Seed.
- 22 pounds Chardon Potato (late and large).
- 22 pounds Marjolin Potato (very early).
- 22 pounds Long Red Holland Potato, Prolific.

The explanation of the odd pounds and the decimals in the above is that the order was made to correspond with the *kilogram* of the French catalogues, which is 2.20 pounds nearly.

On the 12th of January a P.C.M.O. for \$6 was sent to San Francisco, Cal., to Col. Warren, editor and proprietor of the California *Farmer*, for 25 pounds of Alfalfa, or Chile clover, to be sent by mail. No answer having been received up to the 20th of February, on the 22nd I wrote Col. Warren a second time. It is probable that the seed is in the mail, but detained *en route* by the long and severe snow blockade in the mountains.

To be sure of securing the specimens *in the ear* and of the best, on Feb. 11th I ordered from Plant Seed Company, St Louis:—half bush. Native Kentucky Hemp seed; 1 bush. Long John White Corn, *in the ear*; 1 bush. St. Charles White Corn, *in the ear*; 1 bush. Gold Dust Yellow Corn, *in the ear*; 1 bush. New Madrid Yellow Corn, *in the ear*; asking for acknowledgment of order I was informed it had never been received, so I duplicated the order on the 1st of March.

In addition to the above, one ounce each of 4 varieties of squashes and pumpkins, and as many of different kinds of cabbages has been added from Jas. J. W. Gregory, of Marblehead, Mass., and received in good order, at a cost of \$3.65.

A great number of seed catalogues have been obtained and more or less carefully examined, and much information has been gathered as to kinds and prices of commercial fertilizers proper to be purchased; but negotiations for buying both seeds and manures have been delayed for the action of the General Assembly, or for further instructions of the Board of Trustees.

In regard to experiments in feeding (and this subject is just now attracting a great deal of attention), Mr. Lawrence will report to you what has been done, and at the same time suggest a programme for further efforts in this direction.

In conclusion, the undersigned, for himself and Mr. Head Farmer Lawrence as well, both in full accord on this business, hope, if instructed and directed to carry out the programme of experiments as reported to the Board in December, to be able to show by the time of the July meeting (God and the season favoring), growing crops the Trustees, Regent and Faculty of the Illinois Industrial University will be proud of.

Respectfully submitted.

CHAMPAIGN, March 9th, 1875.

BENJ. F. JOHNSON,
In Charge of Experiments.

BUSINESS AGENT.

To the Board of Trustees of the Illinois Industrial University:

GENTLEMEN—I have the honor to offer the following report as Business Agent of the University: Paper "A" is a statement of the appropriations made the past six months.

The paper also includes the expenditures made under the several appropriations, and the receipts of the several departments.

Paper "B" gives the condition of the State appropriations at date; the balance for taxes is not considered available for the University.

Paper "C" is a list of the University warrants, with vouchers, drawn to date since the last meeting of the Board.

Several bills are added to the list that they may be brought before you.

Paper "D" gives in some detail the commercial working of the machine and carpenter shops.

The work of the first has been mainly for outside parties, and though only a small balance of its credit with the University Treasurer is left, it has good bills, and is in such good working condition that its commercial work will need no appropriation but its balance.

A further appropriation for the educational classes will be needed. The foremen of the shops are two of the older students of the University, one receiving 35 cents per hour, the other 25 cents per hour.

The changes in the shops authorized by the Board at the December meeting, have, in part been made, and will soon be completed. They are considered to be of advantage to both shops.

It is desirable that the stock of lumber in the carpenter shop should be filled up. \$100 will make good that used the last six months, not already replaced. The stock of bench tools is not at all complete. It would be a matter of great convenience if 12 full sets could be kept. Several of these sets would be for the general use of the shop-practice class. An important addition to the facilities of this class is a foot lathe, costing some \$50. I respectfully request that the credit balances of the two shops be assigned for their use in making the appropriations for the next six months.

All the tin roofs of the University Buildings need repair. That of the Drill Hall and the New Buildings in particular.

The fences around the grounds of the two buildings, and the walk in part around the old one, also the gravel and cinder walks of the new grounds, will need additions and repairs.

The windows and doors of both of the main University buildings need overhauling before another winter.

An addition to the furniture in the way of chairs, tables, desks and matting is needed. Several tables have been made at the shop as required and old benches repaired.

The Janitor and Fireman of the new building has given good satisfaction during the past trying winter. I recommend that he be employed during the coming year at \$1,000—eight months at \$100, and four at \$50. The duties require the work of two men most of the time, but can be carried on under one head.

The amount of expense for the Chemical Department was more than the expected amount, but seemed necessary for the good of the department. The collections for the department at the end of this term, will, I think, nearly cover the overdrawn amount.

It seems desirable that the appropriation for fuel and lights should be large enough to cover a supply of 300 tons of coal to be laid in in July and August.

Respectfully submitted,

S. W. SHATTUCK, *Business Agent.*

URBANA, March 9, 1875.

"B."—Statement of State Appropriations, February 27, 1875.

On account of	Appropriated.	Expended.	Unexpended.
New University building.....	\$15,000 00	\$15,000 00	.....
Heating apparatus.....	18,000 00	17,951 90	\$48 10
Fitting and furnishing.....	7,350 00	7,271 17	78 83
Gas fixtures.....	1,200 00	1,200 00	.....
Physical laboratory.....	3,000 00	2,977 38	22 62
Taxes on lands.....	6,000 00	5,202 78	797 22
Agricultural experiments.....	1,500 00	1,178 29	321 71

S. W. SHATTUCK, *Business Agent.*

URBANA, March 9, 1875.

"C."—Abstract of Warrants.

No.	To whom.	For what.	Amount.
151	Champaign Gas Co.....	Gas bill November, 1874.....	\$94 00
152	G. W. Flynn & Co.....	1,000 programmes.....	10 00
153	H. Swannell.....	Chemicals.....	15 47
154	John Muller.....	Glazing.....	6 75
155	Enterprise Coal Company.....	18 cars coal.....	191 00
156	U. S. Patent Office.....	Report.....	20 00
157	Crane, Breed & Co.....	Fireman's salary November, 1874.....	51 40
158	Kimbark Bros. & Co.....	Hardware.....	5 98
159	Webster, Davies & Co.....	Lumber.....	28 05
160	A. Snedeker.....	Castings.....	43 33
161	Trevitt & Green.....	Hardware.....	14 28
162	Dodson & Hodges.....	.....	68 26
163	A. Brown.....	Plastering cistern.....	9 75
164	E. L. Lawrence.....	Farm expense, November, 1874.....	224 28
165	W. S. Maxwell.....	Paint, oils, etc.....	21 72
166	Allen, McKay & Co.....	Velvet cuttings for erasers.....	5 55
167	Jones & Laughlin.....	Iron.....	22 99
168	Fuller & Fuller.....	Glass and chemicals.....	7 83
169	Fuller & Fuller.....	1 bbl. plaster paris.....	4 38
170	Ill. Cen. R. R.....	Freights, November, 1874.....	253 80
171	Students' labor pay-roll.....	November, 1874.....	330 08
172	S. W. Shattuck.....	Petty expenses, November, 1874.....	17 98
173	E. N. McAllister.....	Postage.....	11 42
174	J. B. Webb.....	Expense in Eng. Department.....	15 14
175	Mechanical Department.....	Work for other departments.....	114 23
176	Architectural.....	.....	253 20
177	Agricultural.....	.....	458 91
178	Experimental Farm.....	Corn and potatoes to Agricultural Department.....	94 40
179	R. Peacock.....	Old bill of lumber.....	141 03
180	D. D. Sabin.....	Expense to meeting.....	21 75
181	R. B. Mason.....	.....	5 00
182	A. Blackburn.....	.....	17 50
183	Emory Cobb.....	.....	17 00
184	A. M. Brown.....	.....	25 50
185	M. Marquart.....	Chemical apparatus.....	.....
186	Carl Schunman.....	Mining models.....	206 20
187	J. M. Gregory.....	Salary December, 1874.....	333 33
188	S. W. Robinson.....	.....	166 66
189	T. J. Burrill.....	.....	166 66
190	S. W. Shattuck.....	.....	200 00
191	E. Snyder.....	.....	166 66
192	D. C. Taft.....	.....	166 66
193	J. Burditt Webb.....	.....	166 66
194	J. C. Pickard.....	.....	166 66
195	N. C. Ricker.....	.....	100 00
196	J. D. Crawford.....	.....	100 00
197	H. H. Weber.....	.....	120 00
198	C. W. Silver.....	.....	100 00
199	E. L. Lawrence.....	.....	100 10
200	W. C. Flagg.....	.....	41 66
201	B. F. Johnson.....	.....	41 66
202	Charlotte E. Patchen.....	.....	50 00
203	F. E. Prentice.....	.....	100 00
204	Lou C. Allen.....	.....	120 00
205	A. C. Swartz.....	.....	60 00
206	J. O. Baker.....	.....	50 00
207	F. A. Parsons.....	.....	40 00
208	E. A. Robinson.....	.....	11 20
209	M. A. Scovell.....	.....	25 00
210	A. E. Barnes.....	.....	25 00
211	H. A. Mann.....	.....	50 00
212	A. C. Scribner.....	.....	31 00
213	F. P. Dobson.....	fall term, 1874.....	20 00
214	W. S. Everhart.....	.....	20 00
215	D. E. Barnard.....	.....	40 00
216	S. E. Noble.....	Armors work fall term, 1874.....	14 32
217	S. H. Gehlman.....	Claim on contract N. University.....	621 15
218	Editors "Illini".....	Advertising.....	60 00
219	Alleck A. Ullrick.....	Hardware.....	11 56
220	Editors "Illini".....	Subscription and advertising.....	26 00
221	Field, Leiter & Co.....	Matting.....	24 75
222	I. B. Railway.....	Freight.....	21 23
223	Crane Bro's Manufacturing Co.....	Hardware.....	22 40
224	Crane, Breed & Co.....	Salary fireman, December 16.....	27 40
225	Hallock, Holmes & Co.....	Belting and tubing.....	9 74
226	T. P. Dobson.....	Blank books, etc.....	3 25

"C."—Abstract of Warrants—Continued.

No.	To whom.	For what.	Amount.
227	James McCorkle.....	Hardware.....	\$56 86
228	H. K. Vickroy.....	Apple and pear seedlings.....	14 25
229	E. L. Lawrence.....	Farm expense December, 1874.....	546 26
230	I., B. & W. R. W.....	Freight.....	6 97
231	Culver, Page, Hoyne & Co.....	Stationery.....	24 50
232	J. F. Wollensak.....	Shade fixtures.....	10 84
233	H. A. Ward.....	Collection of skeletons and rocks.....	452 00
234	Students' Pay-roll.....	December, 1874.....	385 94
235	Fuller & Fuller.....	Chemicals.....	12 41
236	J. Davis Wilder.....	Crayons.....	7 56
237	J. Searloss.....	Fifty-two hours' carpenter work.....	13 00
238	Champaign Gas Company.....	Gas bill December, 1874.....	79 60
239	J. M. Gregory.....	Salary for January, 1875.....	333 33
240	S. W. Robinson.....	" ".....	166 66
241	T. J. Burrill.....	" ".....	166 66
242	S. W. Shattuck.....	" ".....	200 00
243	E. Snyder.....	" ".....	166 66
244	D. C. Taft.....	" ".....	166 66
245	J. B. Webb.....	" ".....	166 66
246	J. C. Pickard.....	" ".....	166 66
247	N. C. Ricker.....	" ".....	100 00
248	J. D. Crawford.....	" ".....	100 00
249	H. A. Weber.....	" ".....	120 00
250	C. W. Silver.....	" ".....	100 00
251	E. L. Lawrence.....	" ".....	100 00
252	W. C. Flagg.....	" ".....	41 66
253	B. F. Johnson.....	" ".....	41 66
254	Charlotte E. Patchen.....	" ".....	50 00
255	F. W. Prentice.....	" ".....	100 00
256	Lou. C. Allen.....	" ".....	120 00
257	A. C. Swartz.....	" ".....	60 00
258	I. O. Baker.....	" ".....	50 00
259	E. A. Robinson.....	" ".....	11 90
260	F. A. Parsons.....	" ".....	40 00
261	M. A. Scovell.....	" ".....	25 00
262	A. E. Barnes.....	" ".....	25 00
263	H. A. Mann.....	Salary janitor and fireman.....	103 14
264	A. C. Scribner.....	Salary January, 1875.....	31 00
265	S. W. Shattuck.....	Petty expenses December, 1874.....	30 54
266	H. A. Mann.....	Balance of fireman's salary, December 1874.....	25 74
267	Illinois Central R. R. Co.....	Advanced freight.....	16 80
268	Kimbark Bros. & Co.....	Hardware.....	11 80
269	Chicago Terra Cotta Company.....	Three hundred barrels modeling clay.....	6 50
270	Little & Davies.....	Hardware.....	1 32
271	T. G. Landsen.....	Gas fixtures and fittings.....	21 90
272	Jones & Laughlin.....	Hardware.....	23 53
273	E. T. Benjamin.....	Chemical apparatus.....	116 58
274	Jennie C. Bryant.....	Salary January, 1875.....	20 00
275	J. Kennis.....	" ".....	40 00
276	E. L. Lawrence.....	Farm expense January, 1875.....	98 24
277	S. W. Shattuck.....	Students' pay-roll January, 1875.....	394 79
278	Austin & Boynton.....	Gymnastic apparatus.....	22 05
279	Enterprise Coal and Coke Co.....	Ten cars coal.....	126 00
280	S. D. Kimbark.....	Hardware.....	33 21
281	Cleveland Screw and Tap Co.....	Hardware.....	7 84
282	A. Snideker.....	Castings.....	74 36
283	Jones & Laughlin.....	Iron.....	11 50
284	J. T. Large & Son.....	Cutting figures.....	15 80
285	C. Kenicke & Co.....	Flower pots.....	5 42
286	S. S. Hook.....	Forging hay fork.....	27 75
287	Dodson & Hodges.....	Hardware and stoves.....	191 31
288	E. V. Peterson.....	Stationery.....	24 80
289	Champaign County Gazette.....	" ".....	39 20
290	J. M. Gregory.....	Salary for February, 1875.....	333 33
291	S. W. Robinson.....	" ".....	166 66
292	T. J. Burrill.....	" ".....	166 66
293	S. W. Shattuck.....	" ".....	200 00
294	E. Snyder.....	" ".....	166 66
295	D. C. Taft.....	" ".....	166 66
296	J. B. Webb.....	" ".....	166 66
297	J. C. Pickard.....	" ".....	166 66
298	N. C. Ricker.....	" ".....	100 00
299	J. D. Crawford.....	" ".....	100 00
300	H. A. Weber.....	" ".....	120 00
301	Chas. W. Silver.....	" ".....	100 00
302	E. L. Lawrence.....	" ".....	100 00

"C."—Abstract of Warrants—Concluded.

No.	To whom.	For what.	Amount.
303	W. C. Flagg.....	Salary for February, 1875.....	\$541 66
304	B. F. Johnson.....	" ".....	41 66
305	Charlotte E. Patchen.....	" ".....	50 00
306	F. W. Prentice.....	" ".....	100 00
307	Lou. C. Allen.....	" ".....	120 00
308	A. C. Swartz.....	" ".....	60 00
309	J. O. Baker.....	" ".....	50 00
310	F. A. Parsons.....	" ".....	40 00
311	E. A. Robinson.....	" ".....	14 00
312	M. A. Scovell.....	" ".....	25 00
313	A. E. Barnes.....	" ".....	25 00
314	H. A. Mann.....	" ".....	98 00
315	A. C. Scribner.....	" ".....	20 00
316	Jennie C. Bryant.....	" ".....	20 00
317	J. Kennis.....	" ".....	40 00
318	Students Pay Roll.....	February, 1875.....	402 20
319	Butterfield & Mosier.....	1 bbl. modeling clay.....	5 00
320	J. M. Gregory.....	Freight on chemical cases for Paris.....	13 53
321	Champaign Times.....	50 copies paper.....	1 75
322	J. W. Dunlap.....	1 Self Oiler.....	15 00
323	Ills. Staats Zeitung.....	Weekly for 1875.....	3 00
324	Hosford & Speare.....	2 Lamps.....	3 50
325	T. G. Lansden.....	Pipe fittings and labor.....	83 05
326	L. Z. Taft.....	1,700 specimen trays.....	25 50
327	Locke & Saxton.....	Manilla paper, etc.....	3 75
328	Champaign Times.....	100 copies paper.....	3 50
329	I. B. & W. R. R. Co.....	Freights.....	2 30
330	Frank J. Mann.....	Copying music, etc., winter term.....	9 50
331	D. E. Barnard.....	Instruction in Gymnasium.....	40 00
332	E. L. Higgins.....	Freight on arms returned.....	8 47
333	D. & J. Brown.....	Blank receipt book.....	8 00
334	L. R. Noble.....	Work in armory, winter term.....	15 82
335	Sabin Bros.....	50 feet tile.....	3 00
336	Crane Bros., Manufacturing Co.....	Hardware.....	10 32
337	Cleveland Screw & Top Co.....	".....	9 07
338	J. D. McKinzie.....	Work and material on blacksmith shop.....	31 04
339	Enterprise Coal Co.....	10 case coal.....	142 00
340	S. W. Maxwell.....	Glass, putty, etc.....	8 62
341	Jno. Mueller.....	Glazing.....	6 04
342	A. Bridler.....	Lumber.....	18 71
343	Champaign & U. Gas Co.....	Gas bill Jan. & Feb., 1875.....	100 80
344	Goodwin & Whiteman.....	1 lathe.....	44 75
345	Dodson & Hodges.....	Hardware.....	15 57
346	Trevett & Green.....	Hardware and belting.....	66 70
347	Walker Bros.....	Knobs and Casters.....	1 90
348	M. E. Lapham.....	Lumber.....	82 43
349	E. N. McAllister.....	Postage, Dec., 1874; Jan. and Feb., 1875.....	33 08
350	J. W. Bunn.....	Salary 6 months ending March 1st, 1875.....	251 00
351	S. W. Shattuck.....	Petty expenses Jan. & Feb.....	77 37
352	James Vick.....	Plants.....	7 45
353	F. P. Dobson.....	Salary assistant in Military Department.....	20 00
354	W. S. Everhart.....	" ".....	20 00
355	S. S. Hook.....	Forging hay forks.....	9 75
356	E. S. Lawrence.....	Farm expense February, 1875.....	188 52
357	Horticultural Department.....	Rent of rooms to Agricultural Department.....	36 00
358	Illinois Central R. R. Donation.....	Freight Dec., 1874; Jan. & Feb., 1875.....	449 75
359	Mechanical Department.....	Work for other departments.....	140 01
360	Agricultural ".....	" ".....	225 45
361	Architectural ".....	" ".....	345 80
362	T. G. Lunsden.....	Gas Fixtures.....	3 50
363	Wm. Parks.....	Lumber.....	63 86
364	Dr. Gregory.....	Expense to meetings.....	19 00
365	E. V. Peterson.....	Border for art gallery.....	27 75

"D."—*Financial Statement for six months, ending February 27, 1875.*

CARPENTER SHOP.		
Warrants drawn against shop.....	\$739 02	
Material not replaced.....	100 00	
		\$830 02
Credit warrants.....	\$599 00	
Cash receipts.....	105 24	
Shop practice expense.....	90 00	
Tools and improvements.....	50 00	
		844 24
MACHINE SHOP.		
Warrants drawn against shop.....		\$2,608 29
Credit warrants.....	\$254 54	
Cash receipts.....	1,950 41	
Shop practice expense.....	90 00	
Tools and improvements.....	50 00	
Balance of good accounts.....	300 00	
		2,644 95

URBANA, March 9, 1875.

S. W. SHATTUCK, *Business Agent.*

The above reports were received and laid on the table.

The bills presented for payment were audited and allowed.

A letter from Judge J. O. Cunningham in regard to University Lands was received.

Mr. Gardner, from the committee on a certain bill for legal services by Cunningham & Webber, reported the account correct. The report was accepted and the bill allowed.

The Treasurer's report of receipts and expenditures from September 1, 1874, to February 28, 1875, was read and accepted.

JOHN W. BUNN, TREASURER,

In Acct. with Illinois Industrial University.

1874	DR.		
Sept. 1.....	To balance.....	\$12,717 75	
1875.			
Feb. 27.....	“ interest on bonds.....	4,055 00	
	“ amount received on Burnett's notes for lands.....	2,150 00	
	“ “ “ on J. O. Cunningham's notes for lands.....	1,600 00	
	“ “ “ of “ “ for interest.....	400 00	
	“ “ “ of Burnett for interest.....	221 70	
	“ “ “ for rent of lands.....	200 00	
	“ “ “ for fees and room rents.....	5,070 50	
	“ “ “ on account of Agricultural Department.....	5,491 77	
	“ “ “ “ Horticultural “.....	389 24	
	“ “ “ “ Mechanical “.....	2,202 95	
	“ “ “ “ Architectural “.....	704 24	
	“ “ “ “ Chemical “.....	104 40	
	“ “ “ “ fuel and lights.....	341 06	
	“ “ “ “ Ill. Central R. R. donation.....	1,512 31	
	“ “ “ “ buildings and grounds.....	2 25	
	“ “ “ “ incidentals.....	29 00	
	“ “ “ “ experimental farm.....	94 40	
	“ “ “ “ for old horse.....	66 00	
	“ “ “ “ for old stove.....	7 00	
		\$37,359 57	
	CR.		
	By Board expense.....		\$188 80
	“ salaries.....		16,127 37
	“ fuel and lights.....		2,528 18
	“ stationery and printing.....		222 50
	“ buildings and grounds.....		606 44
	“ buildings, fence, &c.....	\$762 18	621 15
	“ new University building.....		141 03
	“ fence on Griggs' farm.....		135 50
	“ incidental expenses.....		316 41
	“ Mechanical Department.....		2,608 29
	“ Architectural “.....		730 02
	“ Agricultural “.....		2,763 61
	“ Horticultural “.....		535 40
	“ Chemical “.....		1,163 47
	“ Military “.....		131 18
	“ library and apparatus.....		861 37
	“ cabinet.....		484 87
	“ physical laboratory.....		25 29
	“ experimental farm.....		493 72
	“ balance.....		6,676 97
		\$37,359 57	\$37,359 57

URBANA, March 10, 1875.

JOHN W. BUNN, *Treasurer.*

Adjourned till 8:30, March 10.