

## SECOND DAY'S SESSION.

The Board met, pursuant to adjournment. (Same number present as yesterday.)

The report of Prof. Morrow, from Department of Agriculture, was received and referred to Farm Committee.

COLLEGE OF AGRICULTURE, Dec. 10, 1883.

*Dr. S. H. Peabody, Regent:*

SIR—I have the honor to submit the following report: The balance to the credit of the farms, Dec. 1, 1883, was \$2,359.64. On Sept. 1, last, \$2,089.07 was transferred from the farm credit to the general fund, reducing the balance, at that date, to \$500.

The total receipts for the year ending Dec. 1 were.....	\$7,502 55
The total expenditures for the year were.....	6,592 10
Leaving a balance of.....	\$910 45
The salable property of the farms is valued at.....	\$12,366 00
Compared with one year since, this is a decrease of.....	53 00
The farm teams (nine horses) are valued at.....	1,275 00
Showing a decrease of.....	125 00
The implements and machinery are valued at.....	1,900 00
Showing an increase of.....	58 75

This shows a decrease of \$124.25 in all farm property. Deducting this from balance from year's operations, gives \$786.20 as the net gain of the work of the year.

Among the farm expenditures were a little over \$500 for tile drainage, and somewhat over \$625 for special repairs and improvements on the barns, erection of windmills, etc., which are outside of ordinary repairs. Including these amounts, and we have a total of, in round numbers, \$1,920 to the credit of the work of the year.

## Chief items of sales were:

Cattle.....	\$3,318
Hogs.....	1,052
Horses.....	335
Poultry.....	82

Total from live stock.....\$4,787

Butter and milk.....\$700

Corn.....	\$210
Rye.....	246
Wheat.....	108
Oats.....	66

Total from grain.....\$630

Hay and straw.....\$633

Rents.....486

## Among chief items of expenditures were:

Labor and superintendence.....	\$3,337
Live stock.....	1,411
Drainage.....	504
Machinery.....	230

In above summaries fractions of dollars have been omitted.

## The property on hand may be thus summarized:

*Cattle—*

Short-horns, 51 (5 unregistered).....	\$5,440
Jerseys, 11 (3 unregistered).....	1,050
Grade cows and heifers, 11, at \$45.....	495
Grade yearling heifers, 18, at \$30.....	540
Grade heifer calves, 10, at \$15.....	150
Grade steers, 26.....	930
Grade steer calves, 8.....	110

Total cattle, 135.....\$8,705

*Hogs—*

Breeding stock, 12.....	\$173
Pigs, 49, at \$7.....	343
Pigs, 35, at \$2.....	70

Total hogs, 96.....\$586

*Sheep—*

10 choice Shropshire and Southdowns.....	\$300
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*Chickens.....*60

Grain.....	\$670 00
Hay, straw, ensilage, corn fodder.....	1,285 00
Miscellaneous.....	210 00
Teams, as above.....	1,275 00
Implements and machinery.....	1,900 00

The season was especially unfavorable for the corn crop. We have not had so small a yield or of so inferior quality since I have known the farm. Fortunately we have been able to secure a limited quantity of good seed. Other farm crops were good.

Almost without exception the live stock is in good condition; as a lot it is of higher quality than we have had at any former time.

The work of draining the "Griggs farm" is approaching completion. The exact cost cannot yet be stated, but will not be far, for the drainage and fencing, from \$600. The farm has been leased for another year to F. G. Jaques at \$460 for 120 acres and one-half the hay on the remaining 40 acres.

At the recent fat-stock show in Chicago, we exhibited a few fat steers, which attracted favorable notice, and were sold to good advantage. They were not entered for competition for prizes, and through an oversight, not our own, were omitted from the official catalogue.

Since the last meeting of the Board we have obtained six finely bred Shropshire lambs, and by exchange on very favorable terms, with Hon. J. R. Scott, four well bred Southdown lambs, as the foundation for a flock of sheep.

Taken as a whole, I count the farms in better condition than at any former time since under my direction.

Concerning my work in the University, I can only say I have been much gratified at the interest shown by few students in my classes. The only discouragement is in the smallness of the numbers. With apparent growing belief in the possibility of a Professor of Agriculture giving instruction, as evidenced by many more calls than can be responded to for public addresses, newspaper articles and answers to very many private letters of inquiry on agricultural topics, the number of agricultural students does not increase.

Wide circulation has been given to announcement of the facilities offered to students of agriculture during the Winter term, and it is hoped a considerable number may avail themselves of these facilities. Arrangements are in progress for the usual Farmers' Institute, or Agricultural Lecture Course, which it is purposed to hold from Jan. 31 to Feb. 3, 1884.

I take pleasure in acknowledging the hearty interest and frequent assistance given by yourself and the chairman of the farm committee of the Board of Trustees.

Respectfully submitted,

G. E. MORROW, *Professor of Agriculture.*

On motion, Mr. Eastman of Iowa was requested to appear before the Board, in order to submit proposition for lease or purchase of Nebraska lands. This offer was as follows:

1st. To lease for 5 or 10 years, on same plan as adopted by the State of Iowa.

2d. The sum of \$8 per acre, 25 per cent. cash;  $\frac{1}{4}$  in 2 years,  $\frac{1}{4}$  in three years and  $\frac{1}{4}$  in 4 years with 7 per cent. interest payable annually.

On motion of Mr. Bennett, the propositions were rejected.

Prof. Burrill submitted the following report from Horticultural Department, which was read and received:

#### ABSTRACT OF REPORT FROM HORTICULTURAL DEPARTMENT.

The work of the season has been made as complete as the funds permitted, and besides the remunerative labor, considerable attention was paid to cleaning up the old nursery site and to the trees in the forest-tree plantation and orchard. From the latter many dead and dying trees have been removed, though numerous unsound ones still remain.

The fruit this year from the experimental orchard gives further evidence of the fact that so far as quality is concerned we have a number of varieties, not known in the ordinary orchards of the country, which are of high rank. But there is yet no evidence that there is any one kind among them all superior or even equal to the best kinds of commonly planted, when productiveness, season of maturing, hardiness, etc., are considered.

It appears pretty clear also that the use of evergreen shelter belts distributed through the orchard is not of marked value. At least no difference can be made out as to the bad effects of cold on account of the shelter thus offered.

A considerable number of observations upon the so-called annular rings of growth have been made on the trees of the orchard and forest-tree plantation. In some cases these rings are less in number than the known number of years attained by the trees, in fewer instances there are more rings than the number of years elapsed. An attempt is also made to compare the growth with the meteorological characteristics of the seasons since the trees were planted.

The grapes (fruit) were nearly all killed by the frost in May, and the products from the small fruits generally were reduced at least one-half by the same cause. These plantations are now apparently in good order for fruitfulness another year.

All added information upon the blight of pear and apple trees confirms the previously reported conclusions that bacteria are the direct and active agents in this disease. Attention has been paid to the question as to whether any want of or excess of nutritive substances in the soil has any connection with the development of the malady. As far as proof can be attained within the time, the possibility of saving trees, by cutting away infected parts, has been demonstrated. Examinations need to be made at least once every two weeks during the growing season, and especially careful in July and August. A photograph recently made, presented herewith, shows a pear tree thus saved after many of the larger limbs had been infected one year from inoculations. Another tree of the same kind, similarly diseased, but not pruned, is now entirely dead. When examinations are made, the chief attention is given to the appearance of the bark where blight first appears. It will not answer to depend upon the discoloration of the leaves, for this takes place later, often by weeks or months. Care is especially taken to really remove all the parts infected and to prevent contamination by the pruning implements. Wounds are covered by linseed-oil paint.

Mr. Gustave Klingenspor entered upon the duties of gardener last January, having been employed for one year. I recommend that he be reemployed at same salary, with the understanding that his term of service may terminate at any time after three months' notice has been given by either party. The green house and its contents are now in better condition than for some time past—due mostly to Mr. Klingenspor's work and suggestions. A new water heater was purchased of J. D. Carmody, of Evansville, Ind. This gives excellent satisfaction as far as tried.

The flower beds and lawn have been kept in good order during the summer, and have elicited many words of commendation. Mr. A. B. Baker has looked after the mowing and the work on the drives and walks, as well as helped in the care and treatment of the grounds in many ways. The wooden walk along the drive reaching the front gate is much decayed, and will soon need extensive repair or replacement. I strongly recommend its removal and the construction of a substitute down the west side of the bordering row of trees. It is essential to have one walk of solid material to provide a passageway when the cinder walks are soft by thawing in springtime, and brick or tile made for the purpose is, I am confident, the best material to be had within moderate cost.

Many of the trees planted on the lawn were originally intended for temporary effect, and among these were the soft maples along the front drive. It seems to me these should now be removed, together with some others of like character. A part taken at a time will avoid too marked a change.

The lots recently purchased from Mr. Chase have been included, by moving the fence, with the arboretum. Should trees be planted upon those lots, so that the area will correspond with the rest of the inclosure?

Very respectfully submitted,

T. J. BURRILL.

Mr. Bennett offered the following resolutions, which were unanimously adopted:

*Resolved*, That the lands in Gage Co., Nebraska, belonging to the Illinois Industrial University be offered for sale upon the conditions following:

1. The lands may all be sold in one body at a price of not less than twelve dollars and fifty cents (\$12.50) per acre.
2. The lands may be sold in lots not less than regularly subdivided quarter-sections, at such prices as may be severally assigned to each, which prices shall average for the whole body of lands not less than thirteen dollars (\$13.00) per acre.
3. In either case the buyer shall pay in cash at the time of sale not less than one-fourth of the price of the land; and shall pay interest annually upon the deferred payments at not less than eight per cent. per annum.

*Resolved*, That a committee be appointed to arrange prices for the lands, by quarter sections, with the methods of offering the lands for sale, and the details of contracts and deeds, in accordance with the conditions above specified.

*Resolved*, That the lands which may remain unsold on the first day of April, 1884, be leased for the season of 1884 on the best terms which can be obtained.

Mr. Donnelly, of Chicago, presented a matter of advertising in his book entitled *From the Lakes to the Gulf*, which was taken under advisement.

On motion, the Board adjourned until 2 P. M.

#### AFTERNOON SESSION.

Board met as by adjournment.

Present—Trustees Millard, Bennett, Pearman, Earle, McLean and Postel.

The President appointed the following members to fill vacancies on committees: Trustee Postel on Auditing Committee, Trustee Earle on committee on Buildings and Grounds, vice Kenower, resigned.

The Treasurer presented his report, which was received and referred to the Auditing Committee.

## ILLINOIS INDUSTRIAL UNIVERSITY.

To JOHN W. BUNN, TREASURER, Cr.

1883.				
Sept.	4	By balance.....		\$22,991 36
	29	By am't rec'd on acc't students fees.....	\$2,625 00	
		tuition Prep. department.....	375 00	3,000 00
Oct.	1	By interest on Douglas Co. school bonds.....		200 00
Nov.	30	By am't on acc't Mechanical department.....	\$424 00	
		Architectural department.....	639 24	
		Agricultural department.....	3,785 51	
		Horticultural department.....	150 04	
		Chemical department.....	112 00	
		buildings and grounds.....	91 99	
		fuel and lights.....	108 50	
		music fees.....	48 00	
		tuition Preparatory department.....	72 50	
		students' fees.....	77 75	5,569 53
				\$31,760 89

## ILLINOIS INDUSTRIAL UNIVERSITY.

To JOHN W. BUNN, TREASURER, Dr.

1883				
Feb. 30.		For Board expense.....	\$239 52	
		amount paid salaries.....	1,898 01	
		on acc't buildings and grounds.....	35 31	
		fuel and lights.....	712 19	
		stationery and printing.....	259 00	
		Preparatory Department.....	459 00	
		Mechanical Department.....	383 87	
		Agricultural Department.....	2,125 87	
		Architectural Department.....	814 57	
		Horticultural Department.....	157 86	
		Chemical Department.....	143 03	
		Military Department.....	20 75	
		Library and apparatus.....	4 25	
		incidental expenses.....	110 04	\$7,354 37
		STATE APPROPRIATIONS:		
		For amount paid on acc't buildings and grounds.....	\$1,098 05	
		Laboratories.....	1,083 05	
		Mech. and Arch. shops.....	346 87	
		books and publications.....	138 52	
		cabinets.....	21 06	
		current expenses.....	6,499 80	
		blacksmith shop instructions.....	1,258 86	
		machines and tools.....	986 42	11,432 63
		SUNDRY EXPENSES:		
		For amount paid on acc't Physical Laboratory.....	\$1 80	
		civil engineering.....	15 07	
		music fees.....	48 00	
		premium on roads.....	300 00	
		Chaso lots.....	450 00	
		Art Departments.....	48 36	
		hat room.....	30 63	
		Balance.....		893 86
				12,080 03
				\$31,760 89

URBANA, Dec. 11, 1883.

JOHN W. BUNN, Treasurer.

The matter of unexpended balances in appropriation for buildings and grounds was referred to the committee on same in order that they be properly expended.

The report of the Business Agent was received and placed on file.

*Current Appropriations.*

Sept. 4th, 1883.	Appropriated.	Receipts also appro'at'd	Expended	Balance.
Board expense.....	\$423 75		\$239 52	\$184 23
State			6,499 80	
Salaries.....	17,990 00		1,898 01	9,592 19
Buildings and grounds.....	50 00	\$91 99	35 31	106 68
Fuel and lights.....	1,500 00	198 50	712 19	896 31
Stationery and printing.....	300 00		259 00	41 00
Architectural department.....	497 77	699 24	814 57	382 44
Mechanical		424 00	383 87	40 13
Agricultural	500 00	3,785 51	2,125 87	2,159 64
Horticultural		150 04	157 96	
Chemical	18 41	112 00	143 03	
Military	50 00		20 75	29 25
Library and apparatus.....	50 00		4 25	45 75
Incidental expense.....	200 00		110 04	89 96
Preparatory department.....		417 50	450 00	
Sundries—Physical Lab. bal.....	41 96		1 80	40 16
Cabinets bal.....	8 85			8 85
Examination of schools.....	19 20			19 20
Civil Engineering.....	17 51		15 07	2 44
Student fees.....		2,702 75		
Music fees.....		48 00	48 00	
Premium on bonds.....	300 00		300 00	
Chase lots.....	450 00		450 00	
Art department.....	50 00		48 36	1 64
Hat room.....			30 63	

*State Appropriations.*

July 1st, 1883.	Appropriated.	Received.	Expended	Balance.
Taxes on lands.....½ per annum	\$5,000 00	\$2,469 06	\$2,469 06	
Buildings and grounds.....	6,000 00	3,000 00	2,835 41	\$164 59
Laboratories.....	3,000 00	1,500 00	1,083 05	416 95
Mechanical and Arch. shops.....	3,000 00	1,500 00	446 87	1,053 13
Books and publications.....	3,000 00	1,500 00	304 31	1,195 69
Cabinets.....	2,000 00	1,000 00	75 32	924 68
Current Exp. of Inst.....	28,000 00	14,000 00	6,499 80	7,500 20
Blacksmith shop.....	2,500 00	2,500 00	2,256 42	243 58
Machines and tools.....	2,000 00	2,000 00	1,559 77	440 23
	\$54,500 00	\$29,469 06	\$17,530 01	\$11,939 05

The following report from committee on Buildings and Grounds was received, and action thereon deferred until next regular meeting:

URBANA, ILL., Dec. 12, 1883.

To President and Board of Trustees of I. I. U.:

The undersigned, your committee on Buildings and Grounds, would respectfully report that we have examined the requests set forth in report of Prof. Burrill, and recommend as follows:

1st. That a good and substantial brick tiling sidewalk be laid in front of main building on line set forth in plan herewith attached, and in lieu of the present plank walk, to be constructed under orders of the Executive Committee.

2d. We would approve of recommendations made by Prof. Burrill relative to cutting out such maple trees as he may deem best in order to preserve the general appearance of the grounds in harmony with all the surroundings.

3d. We would recommend that trees be planted on line of lots bordering on line of ilroad, recently purchased by your Board, in same manner as the grounds adjoining.

Respectfully submitted,

ALEXANDER McLEAN,  
PARKER EARLE,

Committee.

The Farm Committee made the following report, which was received and approved:

URBANA, ILL., Dec. 12, 1883.

To the Board of Trustees of I. I. U.:

GENTLEMEN—The committee to whom was referred the matter of drainage and leasing that portion of University lands known as the Griggs Farm, beg leave to report that they have had put in 800 rods of tile-drain, at a cost of \$500, and have leased said farm for the sum of \$450, and one-half of hay on 40 acres of meadow.

J. T. PEARMAN,  
H. N. PADEN,  
CHAS. BENNETT,

*Farm Committee.*

The Executive Committee submitted the following report, which was received and placed on file:

To the Trustees of the Illinois Industrial University:

GENTLEMEN—The Executive Committee report as follows:

That on the 11th of September, upon consideration of the items referred to it by the Board at the meeting of Sept. 5th, with power to act upon them, authority was given to the Regent to expend money therefor, not to exceed the sums specified, as follows:

For purchase of the "Chase lots".....	\$450
For painting the North Barn.....	150
For repairs in gentlemen's wardrobe.....	25
For an attendant in same, per month.....	20
For seven curtains in upper Drawing Room.....	14

That on the 13th of September, the recommendation of the Regent that Miss Mary E. Darrow be appointed assistant in Modern Languages at a salary of \$600 for ten months, was approved, and the appointment was ordered at the salary named.

Also authority was given to Dr. S. H. Peabody, Regent, to sign on behalf of the University the requisite petitions to secure a street railway in front of the property of this University on Wright street and Green street. The condition of the petition to be such that the track of such railway shall be so constructed as not to disfigure the street, and shall be kept in good repair with road bed full and level so as to form no obstruction to carriage crossing at any point opposite the University land; and no depot building shall be erected opposite the University Buildings without the consent of the Board of Trustees. The construction and conditions above to be embodied in the ordinance and a guarantee that sufficient cars shall daily run on the proposed line as to accommodate the needs of the travel to and from the University.

The expenses in the Gentlemen's Coat Room have been found to be \$30.63.

The authorization for street railway has been entered in only so far as the line on Wright street is concerned.

S. M. MILLARD,  
J. T. PEARMAN,  
CHAS. BENNETT.

On motion of Mr. McLean, the Regent, Trustees Millard, Bennett and Pearman were appointed a committee, to report at this session of the Board a plan whereby the Nebraska lands can be offered for sale as per terms of the resolutions heretofore adopted.

On motion, the action of the Executive Committee in engaging the services of Miss Mary E. Darrow, was approved; also the obtaining the detail of Mr. Arthur T. Woods of the U. S. Navy as Instructor in Mechanical Engineering, and the allowance of \$400 per annum, in lieu of subsistence and quarters, was approved and appropriated.

On motion, the Regent and Executive Committee were empowered to employ a teacher of elocution, if they deem it necessary.

On motion, not to exceed \$150 was appropriated for the gymnasium, as asked by the Regent.

A bill of Trustee Bennett, for expenses incurred in inspecting Nebraska lands, amounting to \$54.20, was audited and allowed.

The question of employing student labor was referred to the Farm Committee for report at the next meeting.

The following appropriations were made:

\$50 for Mechanical Museum.

\$69 for Microscopic Apparatus.

\$75 for Physical Laboratory.

\$5.62 for repairs in Cloak Room.

The report of the Executive Committee on the purchase of lots, as authorized at the last meeting, for the sum of \$450, was approved; also their report relating to repairs of cloak room.

On motion, the account of Dr. Peabody, amounting to \$76.30, of expenses to Washington, in order to obtain the detail of a U. S. Navy officer as Instructor in Mechanical Engineering, was audited and allowed.

The following resolution was offered by Trustee Earle, and adopted:

WHEREAS, There has recently been a most disastrous fire at Carbondale, destroying the fine building of the Southern Normal University, whereby that institution has been crippled for usefulness for years to come; and,

WHEREAS, This University building is regarded as insufficiently protected, and it is a matter of utmost importance that it be properly protected against such a great disaster: therefore,

*Resolved*, That the Executive Committee be requested to devise, if practicable, some additional measures for the security of this building against fire.

On motion, the Board adjourned, to meet at the Doan House at 7:30 P. M.

#### EVENING SESSION.

The Board met on time. Present as before.

The following report from the Auditing Committee was received and ordered filed:

URBANA, ILL., Dec. 12, 1883.

*To the President and Board of Trustees of Illinois Industrial University:*

The undersigned, Auditing Committee, would beg leave to report that we have examined all vouchers and accounts, numbered 634 to 667 inclusive, and number 1 to 200 inclusive, and find same correct.

We also report having examined the account of Treasurer J. W. Bunn, and find the same correct.

We also find that voucher No. 465, heretofore reported as not being receipted, is now returned properly signed and receipted and recommend its allowance.

ALEX. McLEAN,

PHILIP H. POSTEL,

*Committee.*

On motion of Trustee McLean, it was ordered that the Regent be authorized to reëngage the services of Mr. Klingenspor as florist, at a salary of \$50 per month.

On motion of Trustee Bennett, the matter of advertising in the book, "From the Lakes to the Gulf," was referred to the Regent and the President of the Board, with power to act.

On motion of Trustee Earle, the petition of G. W. Parker, foreman of Architectural shop, for increase of salary, was referred to Regent and Executive Committee, with power to act.



On motion of Trustee Pearman, it was ordered that the offer of \$30 for telegraph poles, wires and fixtures be accepted, and the proceeds covered into the treasury.

Mr. Millard, from the committee appointed to arrange for the sale of the Nebraska lands, reported as follows:

*Resolved*, That a committee of two be appointed to appraise and fix minimum prices on the lands in Gage Co., Nebraska, belonging to the Illinois Industrial University, for the purpose of offering them for sale. That the lands so valued be offered in amounts not less than regularly sub-divided quarter sections. That the buyer shall pay in cash, at the time of purchase, not less than one-fourth of the price of his purchase, and the balance in deferred payments at such times and in such amounts as the committee shall deem most advantageous to make sale of such lands. That such deferred payments shall draw interest at eight (8) per cent. per annum, payable annually, with penalties in interest on such interest payments after due of not less than eight (8) per cent. per annum until paid, and that the purchaser shall pay all taxes which may be levied upon the lands so sold, after the day of the sale.

*Resolved*, That when prices are fixed, as aforesaid, said committee shall adopt such measures for advertising said lands and receiving bids thereon at or above the prices fixed as shall seem best adapted to make speedy sales. That said committee may employ such aid as they may deem necessary to make such sales, incurring no unnecessary expense, and paying no commissions on such sales to agents or other persons unless with the approval of the Executive Committee. That in the event of competition for any one or more quarter sections by bids at or in excess of the minimum price of any such lands, said committee shall submit such bids, together with the terms and securities offered, to the Executive Committee, which shall make the award.

*Resolved*, That the sales herein provided for shall be made either by contract, with covenants for quit-claim deeds to purchasers upon completion of all deferred payments with interest thereon, or such deferred payments may be secured by mortgage or trust deeds. But said committee shall adopt, in making such sales, a method of security which shall furnish the safest and simplest security to the University, using such forms and instruments as shall be deemed best for perfecting such securities.

*Resolved*, That all of said lands shall be offered in bulk to any purchaser at a price not less than twelve dollars and fifty cents (\$12.50) per acre. And at any time after portions of said lands have been sold, the remaining lands not sold may be sold in bulk at the minimum price of twelve dollars and fifty cents. In case such sale in bulk is made, not less than one-fourth of the price shall be paid in cash, and the deferred payments shall be for such time and on such terms, interest to be paid at not less than eight per cent. per annum, as the Executive Committee shall determine, subject to the further approval of the Board of Trustees.

*Resolved*, That when any lands belonging to the Illinois Industrial University, and situated in Gage Co., Nebraska, shall be sold, the President of the Board of Trustees of said University shall be, and he is hereby, authorized to execute a quit-claim deed for such land or lands in the name of said Board of Trustees; and the Secretary of said Board shall attest the same and shall affix the seal of the University thereto. Such deed and the execution thereof shall conform to the laws of the State of Nebraska, provided that the deed and the execution thereof shall not conflict with the laws of the State of Illinois and the resolutions of this Board, as to the authority of the Board.

S. M. MILLARD,  
CHARLES BENNETT,  
J. T. PEARMAN,  
S. H. PEABODY,

*Committee.*

On motion of McLean, the resolutions were adopted unanimously, and Charles Bennett and the Regent were appointed a committee, with authority to carry the resolutions into effect.

On motion, the Board adjourned until next regular meeting, subject, however, to the call of the President.