

REPORT
OF THE
JOINT COMMITTEE
OF THE
SEVENTEENTH GENERAL ASSEMBLY,
OF THE
STATE OF IOWA,
APPOINTED TO VISIT THE
STATE AGRICULTURAL COLLEGE,
LOCATED AT
AMES.

DES MOINES:
R. P. CLARKSON, STATE PRINTER.
1878.

CONCURRENT RESOLUTION.

Resolved by the Senate, the House concurring, That the visiting committees to the several charitable and penal institutions of the state, be instructed to ascertain and report to the general assembly the number of persons employed at each institution, the names of the persons employed, the salary paid to each, and the kind of service expected of each; also, what each received, if anything, in addition to his salary, in the way of board, rooms, fuel, lights, washing, etc., at the expense of the state, and also whether any of the families of employees are receiving board, etc., at the expense of the state, and if any, the facts in the case.

Resolved, That a copy of this resolution be furnished by the clerks of the senate and house to the chairman of each of the visiting committees. That each of such committees so appointed be furnished with a blank form containing the inquiries set forth in said resolution.

REPORT OF VISITING COMMITTEE.

To the Seventeenth General Assembly:

The joint committee to visit the State Agricultural College have discharged that duty, and respectfully submit the following report:

Your committee are of the opinion that the appropriations made by the Sixteenth General Assembly have been used for the purposes intended, or as nearly so as practicable, as may be seen by exhibit "A," seventh biennial report.

The farm and farm buildings are in good repair, and the crops of 1877 were much better than the average in the vicinity. The stock is in very fair condition. The system of stall feeding has been discontinued, but the stock is being kept in good growing condition at a much less expense. The depreciation in prices has greatly lessened the value of the Short-Horns kept on the farm.

The books of the College Treasurer and Steward appear to be correct and give an excellent history of the finances of the institution. The books of the Secretary of the Board of Trustees give a very plain and complete history of all the lands now owned or that have been at any time in possession of the college, also the money received from the sale of lands and for leases of the same.

So far as your committee were able to determine by their limited examination, they are unanimous in their opinion that the interests of the institution and of the state have been well guarded and fostered in the general management of its affairs.

For further particulars see exhibit "A," attached to and made a part of this report.

S. L. BESTOW,
On the part of Senate.

B. F. CLAYTON,
J. C. HIATT,
On the part of House.

IOWA AGRICULTURAL COLLEGE, }
AMES, February 7, 1877. }

The following are answers to questions contained in the concurrent resolution of Seventeenth "General Assembly," relating to the management of State Institutions :

Question No. 1. What were the total receipts of your institution during last biennial period ?

Answer. Money received from all sources during last biennial period, amounted to the sum of.....\$150,698.86

Ques. 2. From what sources were they obtained ?

Ans. The sources from which the above was obtained are as follows, viz :

From cash on hand.....	\$ 8,067.18
From leases on endowment lands.....	60,127.82
From interest on investments of College Endowment Fund in the hands of State Treasurer.....	5,773.23
From leases of land in Sioux City district, purchased with accumulated Interest Fund.....	6,344.94
From sales of above land.....	360.00
From drawbacks on College freight.....	1,353.41
From interest on notes given for cattle sold.....	164.16
From sale of old brick taken from abandoned furnaces, air ducts, &c., &c., &c.....	425.45
From students for diplomas.....	125.00
From gain from school book department.....	164.14
From bills receivable, notes for stock sold.....	4,334.07
From appropriations of Sixteenth General Assembly for heating apparatus and repairing building, &c., &c., &c.....	24,820.00
From sales of stock, produce, &c., &c., in Farm Department.....	4,963.03
From work done and material sold by the College workshop.....	3,636.41
From Horticultural Department, sales of vegetables, &c., &c., &c., to parties outside of the Institution.....	100.37
From printing office, work done for outside parties.....	225.65
From experimental kitchen, sales.....	19.81
From rent of land donated to College.....	5.00
From students, professors, teachers, and others, on account of board, fire, lights, laundry, room rent, damages to building, chemicals, music, janitor's fee, and incidental expenses.....	29,689.19

This amount includes the deposit made by students on entering College, part of which being a balance above the amount of their expenses

for the last month, is refunded. Upon the books of the College can be found the items which go to make up this amount.

Ques. 3. What amount of appropriations by the state?

Ans. Amount appropriated by the Sixteenth General Assembly for heating apparatus and general repairs to College building, \$24,820.00.

Ques. 4. What amount from any and all other sources?

Ans. Amount received from all other sources, including amount paid by students and others for board, etc., \$125,878.86.

Ques. 5. What number of acres belong to the institution?

Ans. Number of acres belonging to the College Farm proper, is 871. For the number of acres, from the lease of which the College derives its permanent income, see pages 281 and 292, 7th biennial report of College.

Ques. 6. How many acres of same are under cultivation?

Ans. Number of acres belonging to the College proper under cultivation is 200. The College Farm is divided up as follows :

Pasture land.....	200 acres.
Woodland land.....	256 acres.
Ornamental land.....	120 acres.
Meadow land.....	95 acres.
Cultivated land.....	200 acres.
Total.....	871 acres.

A large portion of the ornamental grounds is utilized as meadow.

Ques. 7. What kind of produce was raised? What its quantity? What its value?

Ans. The kind, quantity and value of produce raised during the last biennial term are as follows, viz :

Corn, 7,520 bushels, valued at.....	\$ 1,654.50
Oats, 3,337 bushels, valued at.....	792.50
Hay, 242 tons, valued at.....	1,257.00
Potatoes, 1,440 bushels, valued at.....	636.50
Rye, 448 bushels, valued at.....	268.75
Roots, nine tons, valued at.....	36.00
Vegetables of various kinds.....	1,162.44
Small fruits.....	111.42
Buckwheat, 130 bushels.....	78.00
Wool, 1,032 pounds.....	258.00
Milk, 6,850 gallons.....	880.40

Ques. 8. What kinds of stock are kept on the premises? How many of each and every kind?

Ans. *Farm Stock—Cattle.*—The herd of cattle is now made up

as follows: Short-Horns, twenty-three; Ayrshires, three; Jerseys, two; Devons, two; grades, fifteen. The number in herd was considerably reduced by the public sale last spring.

Horses and Mules.—Work horses and mares, nine; four year old colts, two; two year old colts, one; one year old colts, one; mules, two.

Sheep.—Cotswolds, six; Southdowns, forty-eight; Merinos and grades, forty-five.

Hogs.—All of Berkshire and Poland-China breeds,—ninety-seven.

Ques. 9. State the number of horses, and their value.

Ans. Thirteen horses and colts, valued at..... \$1,270.00
Two mules, valued at..... 300.00
Total..... \$1,570.00

Ques. 10. State number of cattle, and their kind; also, the value of each. Number of milch cows, and their product.

Ans. Number of cattle, forty-five, of the following kinds:

Short-Horns.....	23
Ayrshires.....	3
Jerseys.....	2
Devons.....	2
Grades.....	15
Total.....	45

By the revised inventory, taken at the close of the last fiscal year, the following is the value of each animal:

SHORT-HORNS.	
Valentia, valued at.....	\$ 50.00
Henia, valued at.....	50.00
Surprise, valued at.....	50.00
Strawberry, valued at.....	200.00
Beauty, valued at.....	225.00
Gertrude 2d, valued at.....	100.00
Maggie Marr, valued at.....	125.00
Hope 6th, valued at.....	350.00
Carrie Trimble, valued at.....	500.00
Rose-bud, valued at.....	250.00
Nellie Napier, valued at.....	300.00
Two year old heifer, valued at.....	100.00
Two yearlings, each valued at \$125 and \$200.....	325.00
Six calves, each valued at \$100.....	600.00
Sam Jr., valued at.....	150.00
Renek's Geneva, valued at.....	500.00
Total value of Short-horns.....	\$3,875.00

DEVONS.

College Beauty, valued at.....	\$ 50.00
Lottie Beadle, valued at.....	50.00
Total value of Devons.....	100.00

AYRSHIRES.

Bessie Lee, valued at.....	40.00
Lady of the Lake, valued at.....	75.00
One calf, valued at.....	50.00
Total value of Ayrshires.....	165.00

JERSEYS.

Fawn, valued at.....	100.00
Fawn 2d, valued at.....	100.00
Total value of Jerseys.....	200.00
Nine grade cows and heifers, each \$40.....	360.00
Six calves, each \$20.....	120.00
Total.....	\$480.00

Twenty milch cows. Fourteen of that number are full bloods, their calves using all their milk.

The milk produced by the farm during the past two years was six thousand eight hundred and fifty gallons, exclusive of the milk produced by the thoroughbred cows.

Ques. 11. Number of vehicles; their kind, and value of each.

Ans. Five farm wagons, valued at.....\$ 250.00
One spring wagon, valued at..... 50.00
Total value of vehicles..... \$300.00

Ques. 12. Number of hogs, and their value.

Ans. Ninety-seven hogs, valued at..... \$1,280.00

Ques. 13. What farm machinery, and its value?

Ans. The machinery belonging to the College Farm is as follows, viz:

Five farm wagons.....	\$ 250.00
One reaper.....	140.00
One mowing machine.....	40.00
One mowing machine.....	90.00
One gang plow.....	25.00
Six stirring plows (old).....	40.00
Eleven stirring plows.....	10.00
Three stirring plows (new).....	60.00
Three harrows (old).....	15.00

Two harrows.....	\$ 32.00
Two double shovel plows (old)	5.00
Four hand cultivators.....	10.00
One cornstalk cutter.....	25.00
One farm roller	25.00
One hay rake	10.00
One hay rake	8.00
Three bob sleds.....	45.00
One chain.....	2.00
One horse hay fork	8.00
One horse hay fork and fixtures.....	18.00
One spring wagon	50.00
Eighteen potato forks.....	14.00
Twenty-five spades.....	20.00
Fifty hoes.....	20.00
Two hand seeders.....	8.00
Eight garden rakes.....	6.00
Five grass scythes.....	5.00
Garden line, and fixtures.....	3.00
Five buck saws.....	6.25
Five buck saws (broken).....	2.50
Eighteen corn knives.....	10.80
Two grindstones.....	3.00
Four guttering hoes.....	4.00
One pig scale.....	70.00
One counter scales	8.00
Fifteen hay forks.....	15.00
Two scoop shovels.....	2.00
Two scoop shovels.....	3.00
Four shovels	3.00
One corn sheller	4.00
One cross-cut saw.....	2.00
One hand-saw.....	1.00
One square.....	50
Six augers.....	1.00
Six axes	6.00
One horse lawn mower.....	25.00
One hand lawn mower.....	10.00
Two planes	2.00
Five hatchets	4.00
Seven baskets.....	6.00
Two one-half bushel measures	1.00
Four hay racks.....	20.00
Three corn plows (old)	20.00
Three corn plows (new)	75.00
One corn marker.....	10.00

Two wheel-barrows	\$ 5.00
Two set maul rings.....	1.00
Two wrenches.....	2.00
Dibbles and trowels.....	10.00
Five Warren hoes.....	4.00
Six manure forks.....	6.00
Three pruning shears.....	6.00
Two pairs ice tongs.....	3.00
Three ice saws.....	10.00
One fanning mill.....	12.00
Two road scrapers (old).....	5.00
One road scraper (new).....	10.00
One new cultivator.....	12.00
One new shovel plow.....	6.00
Stable brooms.....	50
Ladders.....	2.00
Water buckets.....	80
Brace and bits.....	25
Brace and bit (new).....	1.25
Five pair sheep shears.....	3.00
Five lanterns.....	4.00
Six pairs whiffletrees.....	10.00
Six cleaves.....	1.50
Ropes of horse forks.....	10.00
Mill and sheller.....	120.00
Branding tools.....	1.50
Hoe and spade handles.....	2.00
Iron wedges.....	2.00
Bush scythes.....	2.00
Water sprinkler.....	2.00
Three pruning shears (small).....	3.00
One Brown's corn planter.....	75.00
Total value of farm machinery.....	\$1,631.85

Ques. 14. State all other articles or items not herein mentioned from which the institution does or should derive a revenue or benefit?

Ans. There are no other articles or items from which the college does or should derive a revenue or benefit.

Ques. 15. What amount of stock has been slaughtered and consumed by the institution, and what its value?

Ans. None. This year the college has made arrangements to do its own butchering.

Ques. 16. What the kind of stock sold? What is the value of same?

Ans. The kind of stock sold is as follows:

Cattle—Short-Horns, Jerseys, Ayrshires, Devons, grades, and common stock.

Horses—Common.

Swine—Berkshires and Poland Chinas.

Sheep—Cotswolds, Southdowns, Merinos and grades.

Total value, \$6,048.56.

Ques. 17. What produce; the amount and value of same raised on farm and consumed by the institution?

Ans. For the kind, amount and value of the produce raised on the College Farm, see answer to Question No. 7.

Of the amount of produce raised there has been consumed, or at present on hand for use, the following amount:

Corn, 7,520 bushels, valued at.....	\$1,654.50
Oats, 3,368 bushels, valued at.....	790 70
Hay, 241½ tons, valued at.....	1,253.00
Potatoes, 1,151 bushels, valued at.....	535.62
Rye, 392 bushels, valued at.....	235.00
Roots, 9 tons, valued at.....	36.00
Milk, 6,685 gallons, valued at.....	841.72
Vegetables of various kinds, valued at.....	1,013.03
Small fruits, valued at.....	60.79
Buckwheat, 130 bushels, valued at.....	78.00

Ques. 18. What produce, what amount, and what the value thereof sold by the institution?

Ans. The amount of produce sold by the institution to outside parties, is as follows:

Potatoes, two hundred and eighty-nine bushels, for.....	\$100.88
Vegetables, for.....	149.41
Fruit, for.....	50.63
Oats, nine bushels, for.....	1.80
Rye, and rye straw, for.....	33.75
Hay, one thousand and five hundred pounds, for.....	4.00
*Wheat, five hundred and thirty-eight and one-half bushels, for.....	797.00
Wood, one thousand and thirty-two pounds, for.....	258.00
Milk, one hundred and sixty-five gallons, for.....	38.68

Ques. 19. What amount of labor is let by contract, and what are the proceeds therefor?

Ans. No labor is let by contract except under the appropriations from the State for buildings, repairs, &c., for which see Seventh Bien-

*The wheat given above was on hand at the beginning of the biennial period.

cial Report of the College, pages 300, 304 and 311, where a complete history of contracts made by the College can be found.

Ques. 20. What amount of labor is employed by the institution; for what purpose and what its value?

Ans. The amount of labor employed by the Institution during the last biennial period, is as follows, viz:

The College paid students the sum of \$10,119.70, for work performed by them in the following College Departments:

Boarding department.....	\$ 2,659.64
Fire and light department.....	54.41
Incidental expense department.....	1,713.33
Laundry department.....	21.16
Contingent expense department.....	586.43
Repairs department.....	.65
Furniture department.....	2.85
Farm household department.....	133.67
Farm stock department.....	314.51
Farm teams department.....	26.81
Farm tools department.....	100.62
Farm improvements department.....	200.34
Farm hay-field department.....	76.63
Farm oat-field department.....	74.53
Farm corn-field department.....	169.25
Hedge department.....	5.30
Orchard department.....	79.73
Nursery department.....	192.02
Forestry department.....	174.47
Small fruits department.....	247.59
Vegetable garden department.....	284.90
Ornamental grounds department.....	412.00
Library department.....	211.09
Museum department.....	116.91
Armory department.....	35.87
Workshop department.....	747.50
Chemical laboratory department.....	282.16
Physical laboratory department.....	137.64
Printing office department.....	510.44
Rye-field department.....	28.34
Potato-field department.....	57.29
Bath-rooms department.....	44.91
Civil engineer's department.....	113.70
Experimental kitchen department.....	3.51
Farm woodland department.....	138.41
Farm experiment department.....	13.31
Farm products department.....	1.31

Farm root-field department.....	\$ 27.48
Horticulture and forestry department.....	70.03
Arboretum department.....	1.13
Botany and entomology department.....	8.45
Farm-house garden department.....	4.02
Field experiment department.....	31.50
A. S. Welch.....	2.86
C. E. Bessey.....	.90
Total.....	\$10,119.70

Work was performed by farm hands, hired help and farm teams in the various departments, to the amount of \$18,575.92, as follows:

Boarding department	\$ 1,860.39
Fires and lights department.....	185.75
Incidental department.....	442.92
Laundry department	659.71
Contingent expense department.....	320.21
Repairs department	43.84
Furniture department	10.64
Farm household department.....	1,330.80
Farm stock department.....	1,633.99
Farm teams department.....	150.99
Farm products department	128.43
Farm improvements department.....	579.80
Farm tools department	43.09
Farm building department.....	33.80
Farm hayfield department.....	122.68
Farm oat field department.....	365.50
Farm root field department.....	5.80
Farm corn field department	1,349.99
Horticulture and forestry department.....	90.73
Arboretum department.....	5.26
Hedge department	5.71
Orchard department.....	165.74
Nursery department.....	12.75
Forestry department	205.38
Small fruits department	103.17
Vegetable garden department.....	384.03
Ornamental ground department.....	567.02
Library
Workshop department.....	7,137.95
Chemical laboratory.....	5.03
Printing office.....	2.89
Rye field.....	101.57
Potato field	22.96

Bath rooms	\$ 1.75
Farm wood lands.....	247.49
Farm experiments	65.82
Apairy	1.09
Farm house repairs.....	16.80
Farm house garden.....	5.19
Ice house60
Vineyard	9.85
Water supply.....	.51
Sidewalk.....	24.71
Preparing wood for centennial.....	4.60
Field experiments	67.59
A. S. Welch.....	18.99
C. Peterson	1.30
T. R. Bickley	2.25
J. S. Lee30
E. R. Hutchins.....	.35
H. Crick	3.05
H. H. McAfee.....	3.85
J. L. Geddes.....	1.09
A. Thompson.....	4.27
J. L. Budd	2.53
G. E. Murrow	2.17
M. Stalker	5.64
J. C. Milnes	3.38
C. E. Bessey.....	.68
E. W. Stanton	1.50
J. Wood45
Total	\$18,575.92

Ques. 21. Have you any surplus labor; if so, in what way could it be utilized?

Ans. No surplus labor.

Ques. 22. What amount has been derived from labor performed by the inmates outside of the institution, and not otherwise accounted for?

Ans. No labor performed outside of the institution.

Ques. 23. What amount of waste from table and kitchen; how is it disposed of, and what its value?

Ans. The waste collected from the boarding department, dining room and kitchen, amounts to about three hundred boxes, box holding four bushels of scraps. This is turned over to the farm department weekly, as swill for hogs. Its value amounted to \$62.95.

Ques. 24. Is such waste sold, and how much is derived therefrom?

Ans. This waste from boarding department is sold to farm depart-

ment and the amount derived from such sale is charged on the College books against the farm, and credited to the boarding department. Sixty-two dollars and ninety-five cents was derived from its sale.

Ques. 25. How are boxes, barrels, sacks and old garments disposed of?

Ans. Boxes are usually split up into kindling wood, and sacks used for mop rags by the boarding department. Old clothes are used for the latter purpose when they can be had.

Ques. 26. If sold, for what amount?

Ans. The amount received from the sale of barrels was \$42.75.

Ques. 27. How is the clothing of inmates obtained; is it made in the institution?

Ans. The inmates procure their clothing at their own expense, at their homes or elsewhere.

Ques. 28. If not made in the institution, is it practicable to do so?

Ans. The students clothing is not made in the institution, nor is it practicable to do so.

Ques. 29. What school facilities and what moral and religious training is afforded?

Ans. The school facilities are commensurate with the design and scope of the College. Each evening prayers are held in the College chapel, which services all are required to attend. Moral lectures are delivered in the same place every Sabbath afternoon.

Ques. 30. What was the number of inmates at the close of the last biennial period?

Ans. The attendance at the close of last biennial period numbered 240.

Ques. 31. What is the capacity of the institution?

Ans. The College building will accommodate 220 students comfortably, others can procure board outside.

Ques. 32. What is the number of students enrolled, and what is the average attendance?

Ans. The number of students enrolled was 270; average attendance, 220.

Ques. 33. What number of students have graduated in the State Agricultural College?

Ans. The number graduated from this College is 123.

Ques. 34. What number of said graduates are practically farming?

Ans. Of the total number of graduates from this College, about

twenty-three per cent. are ladies. Some have married farmers or mechanics and others are waiting to be asked. Among the gentlemen there are sixteen practical farmers; six engaged in civil and mechanical engineering; Professors in agricultural colleges, 8; veterinary surgeons, 2; book-keepers, 9; merchants, 2; printers, 2; botanist, 1; author, 1; editors, 2; teachers, 18; lawyers, 7; doctors, 6; unknown; 3. The majority of our students come to the college poor, and become more so after struggling through their four years course. They are then unable to purchase farms and enter at once upon the business of agriculture. They also generally demur engaging in farm operations at the rate of twenty dollars per month when they can earn at some other occupation from fifty dollars to sixty dollars. But it is certain that when our students are able to do so, they will as a general thing purchase land and go into the business of farming, for which occupation they have received a decided bias during their career in the college, through the character of the instruction given and the nature of the college surroundings.

Ques. 35. What amount of tuition is paid by students?

Ans. Students pay no tuition except for music at the rate of \$10 per term, which is paid to the teacher of music, who receives no other salary. For expenses of students, see page 36, biennial report.

Ques. 36, 37, 38. State number and names of officers and teachers of the institution; the salary of each per month; the services rendered and time employed by each?

Ans. Number of officers and teachers 23. The following are their names, salary, services, and time employed:

A. S. WELCH, L. L. D., President. Salary, \$291.66 per month. Out of his yearly salary he pays the sum of \$200, in part payment of the expenses of printing a quarterly paper for the benefit of the State at large. For further information in regard to this matter, see college report, page 339.

He is President and executive head of the college, and teaches classes in Psychology and Philosophy of Science. All his time is employed except when granted special leave of absence by the board of trustees.

GENERAL J. L. GEDDES. Salary, \$166.66 per month. Duties are as follows: President *pro tem*, Professor of Military Tactics, Steward of the College, Deputy Treasurer and book-keeper, and instructor in drawing. Whole time employed.

W. H. WYNN, A. M. PH. D. Salary, \$150.00 per month. Duties,

Professor of English Literature. Time employed all of the school year.

C. E. BESSEY, M. S. Salary, \$150.00 per month. Duties, Professor of Botany, Zoology and Entomology. Time employed all of the school year.

A. THOMPSON, C. E. Salary, \$150.00 per month. Duties, Professor of Mechanical Engineering and Superintendent of Workshop. Whole time employed.

F. E. L. BEAL, B. S. Salary, \$150.00 per month. Duties, Professor of Civil Engineering. Whole time employed during school year, and ready whenever his services are required during vacation.

T. E. POPE, A. M. Salary, \$150.00 per month. Duties, Professor of Chemistry. Whole time employed during school year.

M. STALKER, B. S. V. S. Salary, \$150.00 per month. Duties, Professor of Agriculture and Veterinary Science. Whole time employed during school year.

J. L. BUDD. Salary, \$150.00 per month. Duties, Professor of Horticulture. Whole time employed.

J. K. MACOMBER, B. S. Salary, \$150.00 per month. Duties, Professor of Physics. Whole time employed during school year.

E. W. STANTON, B. S. Salary, \$166.66 per month. Duties, Professor of Mathematics and Political Economy. Secretary of the Board of Trustees. Registrar of the College and Secretary of the Faculty. Whole time employed.

J. S. LEE, B. S. Salary, \$125.00 per month. Duties, Assistant Professor of Chemistry. Time employed all of school year.

MRS. M. B. WELCH. Salary, \$83.33 per month. Instructor of the English Language and Lecturer on Domestic Economy. Time employed all of school year.

MRS. MARGARET P. STANTON, Preceptress. Salary, \$100.00 per month. Duties, Instructor in French and Mathematics. Time employed all of school year.

J. C. ARTHUR, M. S. Salary, \$200.00 and board during the school year. Time employed all of school year.

T. L. SMITH, B. S. Salary, \$33.33 per month. Foreman in the workshop and teacher in Preparatory Department. Time employed all of the school year.

F. W. BOOTH, B. S. Salary, not a fixed salary. Receives 30 cents per hour, working at such times as the necessities of the Printing Department require. Duties, Foreman and Instructor in the printing office.

WINIFRED M. DUDLEY, B. S. Receives no salary from the College, but is permitted to charge \$10.00 per term to those students who desire to take music. Duties, Teacher of instrumental music.

PROF. GEO. D. FOX. Receives salary same as above. Instructor of vocal music.

H. D. ROBINSON. Salary, \$83.33 per month. Duties, Superintendent of Farm. Whole time employed.

MRS. A. THOMSON. Salary, \$41.66 per month and board during school year. Duties, Housekeeper. Time employed, all of school year.

MRS. ELLA MILLIGAN. Salary, \$41.66 and board. Duties, In charge of Farm House. Whole time employed.

H. D. HARLOW. Salary, \$40.00 per month and board. Duties: College proctor.

W. D. LUCAS. Salary, \$41.66 per month. Duties, Treasurer of College.

Ques. 39. Give the number and names of guards, their salaries, and length of time employed.

Ans. Have no guards at this College.

Ques. 40. Give number and names of employes of all kinds not before enumerated; describe their service and length of time employed, and what amount paid to each person.

Ans. The following is a list of employes:

Herman Aklers. Farm hand. Whole time. Receives \$14.88 and board.

Chris. Peterson. Care of stock. Whole time. Receives \$25.00 per month and board.

W. Milligan. Saws wood, \$1.25 per cord.

James Gilmore. Foreman of Farm. Receives \$35.00 per month and board. Puts in whole time.

John Sexton. Gardner. Receives \$35.00 per month. Puts in all his time.

Esther Burgeson. Works in Farm House. Receives \$3.50 per week.

Lena Roust. Works in Farm House. Receives \$3.00 per week.

L. L. Eastwood. Works in Horticultural department. Receives \$35.00 per month.

Harry Milligan. Drives College 'bus. Paid 12½ cents per hour.

Dan Housman. Butcher, \$1.25 per day.

All the above named employes are only paid for labor actually performed.

Ques. 41. What amount has been expended for furniture, beds and

bedding during the past two years, and what is the quality of the same?

Ans. The sum of \$1,311.63 has been paid for furniture during the last biennial period, of which amount \$471.04 has been paid from the college revenue and the remainder, \$840.59, was paid by students through the charge for room rent, which is applied to that purpose. The quality of the furniture is good.

Ques. 42. What officers, employees or members of either families or other persons, not inmates of the institution, board or dwell therein, and for what length of time has each person done so?

Ans. The following named persons have boarded in the college building, all of whom pay for the same at the usual rates:

Prof. Beal and wife, two years.

Prof. Stanton and wife, two years.

Prof. Lee, two years.

Ques. 43. Have you vouchers for all your disbursements?

Ans. Have vouchers on file for all disbursements.

Ques. 44. What amount of funds are now on hand?

Ans. The funds on hand this date, February 8, 1878, amount to \$2,103.34.

Ques. 45. How and where are your supplies purchased?

Ans. Purchase our staple goods by wholesale. Principally in Chicago.

Ques. 46. What kind and what amount of fuel has been used?

Ans. There has been purchased by the college during the last biennial period, 2,029 277-1000 tons of coal, and 200 cords of wood. There is on hand 193 tons, making the amount used 1,836 277-1000 tons. The above coal is used for heating the college building and making gas. The wood was used by the college and farm house boarding departments.

Ques. 47. How are your buildings lighted and what has been expended for that purpose?

Ans. The buildings are lighted by gas. The expense of heating and lighting are kept in the same account and cannot readily be separated, but a careful estimate makes the expense of lighting the college buildings during the biennial period, \$5,000.00. The system is being changed and the cost will be much reduced in the future. See biennial report, page 336, in regard to this matter. This amount is paid partly by students for lighting their rooms. The balance of the cost is paid from the college revenue, it being expended in lighting the public rooms.

Ques. 48. What are the real necessities of this institution for this biennial period?

Ans. For the necessities of the institution, see Seventh Biennial Report, page 121.

Ques. 49. What is the wholesale purchase price paid per sheet for writing paper, pencils, and other stationery?

Ans. The following is the wholesale price of the articles named:

P. P. cap paper cost per sheet 49-60 cent.

Legal cap cost per sheet 203-240 cent.

Bill paper cost per sheet 29-48 cent.

Letter paper cost per sheet 7-10 cent.

Note paper cost per sheet 87-240 cent.

Envelopes per bunch, 4 7-20 cent.

Falcon pens cost 51 cents per gross.

Faber's best pencils cost 3 13-34; sold 5 cents.

Arnold's cones ink, 4 1-6 cents per cone.

Assorted pen-holders, cost on an average 2 7-52 cents each.

Loomis' arithmetic, 88 cents.

English analysis, 88 cents.

Sell's grammar, 53 cents.

Loomis' algebra, \$1.05.

Bryant & Stratton's book-keeping, \$2.08.

Taine's English literature, \$1.75.

Gray's botany, \$2.45.

Descriptive geometry, \$2.83.

Loomis' geometry, \$1.05.

Ganot's physics, \$3.75.

Barry's fruit garden, \$2.00.

Inorganic chemistry, Storrer's, \$2.00.

Dana's mineralogy, \$1.80.

Ques. 50. What is the price at which each of said articles are sold for at retail to the students, and how are the proceeds of such sales disposed of?

Ans. The articles mentioned in answer to question forty nine are sold to students and others as follows:

P. P. cap paper, $\frac{1}{4}$ cent per sheet.

Legal cap, 1 11-24 cents per sheet.

Bill paper, 1 $\frac{1}{2}$ cents per sheet.

Letter paper, 1 1-24 cents per sheet.

Note paper, 1-26 cents per sheet.

Envelopes per bunch, 10 cents.

Falcon pens, seven for 5 cents.

Faber's best pencils, 5 cents each.

Arnold's cones ink, 10 cents.
 Loomis' arithmetic, \$1.00.
 English analysis, \$1.00.
 Sill's grammar, 65 cents.
 Loomis' algebra, \$1.25.
 Bryant & Stratton's book-keeping, H. S., \$2.20.
 Taine's English literature, \$2.00.
 Gray's botany, \$2.80.
 Descriptive geometry, Church's \$3.15.
 Loomis' geometry, \$1.25.
 Ganot's physics, \$4.25.
 Barry's fruit garden, \$2.15.
 Inorganic chemistry, Storrer's \$2.40.
 Dana's mineralogy, \$2.00.

This department was established for the benefit of our students, and is self-supporting. It does not, nor has it cost the State one cent. Students may purchase elsewhere if they choose. A set of books are kept, and every item placed on record. In addition to the original cost of every article there is added the following, viz: Express and freight charge. Ten per cent. on first cost to pay clerk hire, stationery, to cover dead stock and other incidental expenses sufficient to save the college from loss.

The proceeds of sales are expended in renewing stock from time to time, and paying the expenses incidental to the running of the department. Any balance over at the end of each fiscal year is paid to the college treasurer, who places the amount to the credit of said department on the college books. These amounts are paid over as above to cancel a debt owed by the department for money loaned from college funds when it was first established.

The balance paid over as above, are as follows:

1876	\$ 91.29
1877	72.85
Total	\$164.14

Ques. 51. State the total amount paid for stationery during the two years now past, and the total amount derived from the sale thereof:

Ans. The total amount paid and received for stationery during the last biennial period was as follows, viz:

1876—Received.....	\$3,574.57;	paid out.....	\$3,483.28.
1877—Received.....	3,048.64;	paid out.....	2,958.60.

Vouchers are kept on file for all sums expended.

Respectfully submitted,

JAS. L. GEDDES, *President pro tem.*

E. W. STANTON, *Secretary of the Board of Trustees.*