
FORTY-SEVENTH LEGISLATURE.

HOUSE.

No. 5.

STATE OF MAINE.

SECRETARY'S OFFICE,
Augusta, January 11, 1868. }

*To the President of the Senate and
Speaker of the House of Representatives:*

I have the honor herewith to transmit the Annual Report of the Trustees of the State College of Agriculture and Mechanic Arts; also the Report of the Treasurer of the State College of Agriculture and Mechanic Arts.

FRANKLIN M. DREW,
Secretary of State.

TRUSTEES' REPORT.

To His Excellency the Governor and the Honorable Council:

GENTLEMEN:—As required by law, the Trustees of the State College of Agriculture and the Mechanic Arts would respectfully submit the following

REPORT :

The present Board of Trustees held their first meeting immediately after their appointment, April 24, 1867.

The plan of Mr. F. L. Olmsted, of New York, indicating the general location, size and use of the buildings needed for the College, as well as the division of the farm into fields, was not received till June 20th. This plan and the report accompanying it, were really the completion of his survey commenced last December. To have proceeded with the location and erection of the buildings before receiving that plan, would have shown a want of respect for that eminent man who stands at the head of his profession, and also for the preceding Board who employed him.

The Trustees were entirely unanimous in their opinion that a thorough repair of the Frost house for the future use of the Farm Superintendent, was a matter of immediate necessity. A glance at this building showed that a thorough repair would cost almost as much as to build a new building. The L was worthless, and the old cellar, which was merely an almost inaccessible and contracted cavity under a part of the house, was also worthless.

They voted to build a new L two stories high, and a carriage house, and have a new cellar under the whole house and L. This work has been done. The new L is 50x24 feet. The lower story is 10 feet high, and contains a dining room, cook room, milk room, wash room, and the necessary closets. The upper story is 9 feet high, and has four bed rooms. The carriage house is two stories high, with a room for carriages and a small store room below, and two sleeping rooms above. Both stories of the carriage house and L are connected by a short, open, covered walk. The old house

has been newly shingled, and a large part of the outside newly finished. All the windows have been provided with blinds. The chimneys have been taken down and built new. A furnace in the cellar warms three rooms and the hall in the old house, and the dining room in the L.

At the White house, a cistern with a capacity of 110 hogsheads has been built for stock, and a furnace put in the cellar which warms three rooms and the hall, at an expense of about \$365.

In considering the plan for the other buildings, entire unanimity of opinion was almost impossible. We had a brick-yard of our own, and bricks could be used as a material for building cheaper than almost anywhere else, while lumber costs more in Orono than in many other places. Still, many prefer wooden buildings, considering them more healthy and much cheaper.

But the main question of perplexity was, What shall we build? The act of the Legislature limited us to *two* buildings, while the plan of Olmsted contemplated the erection of three buildings to each class of forty students, making twelve buildings necessary for a course of four years, and even then the laboratory and lecture rooms, the rooms for the cabinets, library and armory, and the chapel would be wanting. A part of the Board believed that plain, brick buildings after the old college plan capable of accommodating either forty-eight or sixty-four students, according to the height, really the most economical. Two such buildings, or at most three, together with a building for the laboratory and lecture room, might accommodate all the students, and in the infancy of the institution, some of the rooms might be used for general purposes. Those in favor of such buildings believed that the materials or style of architecture made use of in building, would not necessarily determine either the course of study to be pursued or the industrial character of the institution. But the sum given by the legislature would not, at present prices, build even one of these buildings. At our meeting the 20th of June we were assisted in our deliberations and estimates by two practical mechanics of Bangor, and subsequently by Mr. Stead, an architect, of the firm of Anderson, Bonnell & Co., of Portland, and it was finally decided that we would build a laboratory building of brick and a dormitory building of wood, and by providing temporary boarding accommodations, start a class of students.

The Board, therefore, instructed the Executive Committee to

urge forward the erection of these two buildings as rapidly as possible. The dormitory building is now progressing towards completion, but owing to the continued wet weather of the past season the bricks for the laboratory building could not be got ready for use this year.

The dormitory building is 63x47 feet, with a veranda 28x10 feet. It has two stories, each containing six rooms. The first story is 11 feet high, and the second 10½ feet. The attic has also six rooms, 12 feet high. The smallest room in the attic is 18x13 feet, and the largest sized rooms in the lower stories are 19x15 feet. The cost was considerably increased by the delay in receiving the plan of the building from the architect. This obliged the Committee to buy the lumber in the drouth of the summer when it was scarce and high. Besides the men were hired by the day, and that is almost always more expensive than work done by contract.

But we have the satisfaction of believing that we shall have a very thoroughly built, convenient and beautiful building. The rooms are to be heated by a furnace in the cellar.

BRICK-YARD.

At the brick-yard a cheap house has been built for the brick-maker, the yard has been finished and drained, two brick machines erected, and 264 thousand excellent bricks have been manufactured and are now safely stored and ready for use. Clay has been dug for another year's work.

The whole amount expended at the brick-yard is about \$2,800. As nearly as we can estimate bricks can now be made at our yard for about two-thirds what they would cost if purchased in Bangor and hauled to Orono.

FARM.

The farm has been under the care of the Hon. J. H. Gilman, who with his family have exhibited great apparent interest and industry in all matters pertaining to it. The soil of the farm is generally a rich clay loam, and with underdraining and care would be very productive. During the past wet season the need of better drainage has been very apparent.

CROPS.

Hay about 100 tons; Straw about 10 tons; Beans about 8 bushels; Barley about 350 bushels on 14 acres; Potatoes about 600 bushels on 6 acres.

Seven acres of the ground sown to barley were manured last year in the spring. On $3\frac{1}{2}$ of the remaining seven acres 2200 pounds of the Cumberland super-phosphate of lime were sown. The crop of potatoes on each piece last year was about equal. The remaining $3\frac{1}{2}$ acres were plowed last year in June and October, and again plowed and mostly manured last spring. Owing to the continued wet weather in the spring the barley could not be sown till about the middle of June. The crop was quite uniform over the whole 14 acres.

Of the six acres planted to potatoes, $3\frac{1}{2}$ acres were plowed twice last year and once this spring. The remaining $2\frac{1}{2}$ acres were plowed after haying last year, and about 20 cords of saw-dust and muck taken from the barn-yard were spread on the furrows and harrowed in last spring. Plaster was used on the potatoes to the amount of 300 pounds to the acre. The average yield in each piece was about the same.

The vegetable garden was quite productive.

ORCHARDS.

There are 50 apple trees in vigorous growth which have yielded about 20 bushels this year.

The nursery of about 30 square rods contains about 5000 trees.

Of the 400 trees set out in the pear nursery last year in the fall, about 300 are alive and growing well.

About 500 maple, elm and evergreen shade trees have been set out the past season. The maples and elms lived well. Many of the evergreens died and their places should be renewed and many more set out the coming season to serve as a wind-break for the orchards and buildings.

Stock.

Three horses; 7 cows, 2 cows purchased this year; 2 steers, 3 years old, purchased; 2 steers, 2 years old, purchased; 3 yearling steers, purchased; 2 heifers, 2 years old with calf; 22 sheep, 14 lambs, and 1 south down buck to be wintered. The 22 old sheep sheared 96 pounds of washed wool, and raised 22 lambs.

Thorough-bred Durhams.

One bull, three years old in September, presented by one of the Trustees.

Two heifers two years old, with calf, purchased of Mr. Percival of Vassalborough.

One heifer calf. This calf was dropped by a three-years old heifer purchased of Mr. Percival last June. This heifer accidentally broke her leg in October, and this injury caused her death.

Swine.

Two Suffolks, presented by Mr. Percival of Vassalborough.

Two three-quarters Chester.

About 1,500 pounds of pork have been made on the farm this year.

INVENTORIES OF PROPERTY.

An inventory of the personal property on the farm December 1, 1867, shows it to amount to something over \$6,000.

All the property at the brick-yard, including the bricks stored and the brickmaker's house, is estimated to be worth \$3,131.75.

Twelve thousand of pine lumber has been purchased for the laboratory building, and is now seasoning. This will be worth, when dry, about \$600.

We are aware that many are anxious for the school to commence. In this anxiety the Trustees share, and they intend to advertise the opening of the College as soon as they can accommodate one small class.

ESTIMATES FOR THE COMING YEAR.

The immediate wants of the College, as nearly as we can estimate, are as follows :

1. To build the laboratory building, exclusive of the materials now on hand, about \$15,000.

2. A house for the Steward to live in, where board and washing may be furnished to the students, \$5,000.

3. To manufacture bricks and purchase lumber for a second dormitory building, to be built in the early part of 1869, and ready for use in September of that year, \$———.

4. A large part of the farm needs draining, and we propose the present year to commence the manufacture of tiles, and drain from ten to twenty acres for immediate cultivation. We also propose to purchase a sufficient number of milch cows to eat up the sur-

plus of hay on the farm. These two outlays may require about \$1,000.

In making these estimates we anticipate no future wants of the College. We simply ask the friends of the institution for the means needed to start the school and make the farm profitable. If we asked for less we should not be true to ourselves, to the friends of the institution in the State, or to the Legislature. We are only the servants of the people and their representatives, and we must be faithful to our trust.

Respectfully submitted.

ABNER COBURN,
President of Board of Trustees.

TREASURER'S REPORT.

*To the Trustees of the State College of
Agriculture and the Mechanic Arts:*

I present herewith a statement of the receipts and expenditures of the corporation since I was elected Treasurer, in May last. I have placed these in three accounts.

1. The General Account, to which is credited the remainder of the amount received by donation from citizens of Bangor, being balance due on my predecessor's account as rendered by him, together with interest received on deposits.

2. The Construction Account, to which is credited the amount appropriated by the last Legislature.

3. The Congressional Endowment Account, which has credit for the interest on the State of Maine Bonds, in which the amount realized from the sale of a portion of the land scrip was invested.

The appropriation made by the Legislature of \$20,000, limits its disbursement to the erection of buildings, and the purchase of apparatus for the College. The grant from Congress also limits and defines the expenditures which may be made from the same, thus necessitating the keeping separate accounts for the several funds.

The General Account has been charged with the total expenditures, with the exception of those made for rebuilding of old and the construction of new buildings, and the purchase or producing of materials for the same. This account will also indicate the amount which has been paid by order of the present Board of Trustees, for certain items of expenditure authorized and incurred by their predecessors.

AGRICULTURAL COLLEGE.

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General Account.

1867.		RECEIPTS.	
May 23.	Received of P. Barnes, late Treasurer,		\$5,534 44
June 14.	Received of same, to balance his final account,		12 86
			5,547 30
Dec. 1.	By received for interest on moneys on deposit in bank,		443 11
			\$5,990 41
1867.		DISBURSEMENTS.	
May 30.	Paid J. H. Gilman, per his account for salary and bills paid by him,		\$610 00
May 30.	B. P. Gilman, expenses as trustee,		18 95
June 1.	J. C. Weston, expenses as clerk,		1 60
June 8.	W. A. P. Dillingham, expenses as trustee,		41 85
August 19.	Robert Martin, expenses as trustee,		67 50
Total amount of expenditures made by former Board of Trustees,			739 90
June 14.	Paid S. B. Kelley for furnishing and planting 442 forest trees,		113 50
June 22.	Abram Woodard, use of horse and carriage, and room for meeting of Trustees,		7 00
June 22.	Union Insurance Co., insurance of house and barn,		21 00
July 3.	Warren Percival for four thorough-bred Durham heifers,		500 00
July 11.	J. S. Kelley for a span of matched horses,		600 00
July 17.	S. F. Dike, expenses as trustee,		72 92
July 18.	J. H. Gilman for purchase of farm stock and for farm expenes,		600 00
			\$2,654 32.

Construction Account.

1867.		RECEIPTS.	
June 19.	Received from State Treasurer for amount appropriated under resolve of the legislature, approved Feb. 25, 1867,		\$20,000 00
1867.		DISBURSEMENTS.	
July 2.	Paid E. H. Baker, tools for brick yard,		80 00
July 5.	Olmstead, Vaugh & Co., plans and reports,		500 00
	J. H. Gilman for expenditures on brick yard and to pay for making bricks,		600 00
July 23.	Same for construction purposes,		600 00
August 10.	N. J. Bunker, two brick machines, moulds and slides,		101 00
August 15.	David McMillan, excavating and stoning cellar,		275 47
August 19.	B. P. Gilman, pine lumber,		415 14
Sept. 2.	A. G. King & Co., boards, shingles, laths, &c.,		263 04
Sept. 7.	J. H. Gilman, construction purposes,		700 00
Sept. 14.	David McMillan, excavating cellar,		186 90
	P. D. & E. Webster, hemlock boards,		155 66
Sept. 20.	J. H. Gilman, construction purposes,		1,000 00
Sept. 21.	David McMillan, excavating cellar and laying 44 perch cellar wall,		191 65
October 8.	J. H. Gilman, construction purposes,		1,200 00
October 21.	Charles Beals for brown ash lumber,		203 12
October 25.	White & Hodgdon for spruce lumber, &c.,		1,158 08
Nov. 2.	J. H. Gilman, construction purposes,		600 00
Nov. 7.	David McMillan, labor, &c.,		182 87
Nov. 15.	J. H. Gilman, construction purposes,		1,000 00
			\$9,412 93

Congressional Endowment Account.

1867.		RECEIPTS.	
June 19.	Received of State Treasurer for interest on State Bonds which had accrued prior to deposit of said bonds in the State Treasury by Gov. Cony,		\$1,605 55
	Received of same for interest on said bonds, due Jan. 1, Feb. 1 and 15, March 1, May 10 and June 1, 1867—say six months interest on \$104,500,		3,135 00
Sept. 14.	Received of same for interest on said bonds due July 1, Aug. 1 and 15, and Sept. 1, 1867,		1,830 00
			\$6,570 55

There are now in the hands of the State Treasurer, State of Maine Bonds to the amount of \$104,500.00. These Bonds are drawing interest at the rate of 6 per cent., and were derived from the proceeds of the sale of 192,680 acres of land scrip, granted by Congress. A surplus of said sale is also on deposit with said Bonds, of \$194.70. The remains of the Congressional grant, unsold and unlocated, 17,320 acres.

Respectfully submitted,

ISAIAH STETSON, *Treasurer.*

December 1, 1867.

The Trustees of the State College of Agriculture and the Mechanic Arts, hereby acknowledge to have received from their Treasurer, Hon. I. Stetson, a detailed report of his receipts and expenditures since the time of his election to Dec. 1, 1867. This date they have adopted as the beginning of their financial year.

The account has been fully inspected, the proper vouchers exhibited, and a settlement, as herein set forth, has been made up to Dec. 1, 1867, as by law required.

N. WILSON,

For and by direction of the Trustees.

STATE OF MAINE.

IN HOUSE OF REPRESENTATIVES, }
January 11, 1868. }

Laid on the table, on motion of Mr. DICKEY of Fort Kent, and
ordered to be printed.

S. J. CHADBOURNE, *Clerk.*