

FOURTH ANNUAL MEETING

OF THE

BOARD OF TRUSTEES OF ILLINOIS INDUSTRIAL UNIVERSITY.

URBANA, *March 7, 1871.*

The Board met in the University building, at 4 o'clock P. M.

The scriptures were read and prayer offered by the Regent.

The roll was then ordered to be called, when Hon. Newton Bateman presented a communication from the Secretary of the Senate, informing the Board that the following gentlemen had been confirmed as Trustees to fill vacancies:

O. B. GALUSHA.....	6th Congressional District.		
J. R. SCOTT.....	7th	"	"
ROBERT B. HARRINGTON.....	8th	"	"
WM. B. ANDERSON	11th	"	"
J. M. PEARSON.....	12th	"	"
BURDEN PULLEN	1st Grand Division.		
J. H. PICKRELL	2d	"	"
GEORGE S. BOWEN	3d	"	"
LUTHER L. GREENLEAF.....	3d	"	"

The roll was then called.

Present, Messrs. Allen, Bateman, Blackburn, Brown of Chicago, Brown of Pulaski, Brown of Sangamon, Cobb, Cunningham, Edwards, Galusha, Goltra, Griggs, Lawrence, Pickard, Pickrell, Pearson, Slade, Scroggs, Scott, and the Regent.

Absent, Messrs. Anderson, Harrington, Hayes, Greenleaf, Johnson, Mahan, Pullen, Van Osdel, Wright, and the Governor.

The oath of office was then administered to the new members present by Judge Cunningham.

On motion, the members of the Board, whose time had expired and whose successors had been appointed, but were not present, were re-

quested to remain and take part in the transactions of the Board, their expenses in attending this meeting to be paid by warrants drawn by the Regent.

It was voted that the reading of the minutes of last meeting be dispensed with, as printed copies of the Annual Report were in the hands of the members of the Board.

On motion, the Secretary was ordered to notify, by telegraph, the newly elected members of the session of the Board, and invite their attendance.

The Regent then read the—

ANNUAL REPORT OF THE REGENT.

To the Board of Trustees of the Illinois Industrial University:

GENTLEMEN—The recurrence of your annual meeting calls upon me to lay before you the annual statement of the progress, condition and wants of the University. I am happy in being able to report to you a year of large progress and prosperity in every department of our work.

The records of the meetings of the Executive Committee, which are herewith communicated, will show you their proceedings during the year—which will, doubtless, meet your approval.

FACULTY AND ASSISTANTS.

There have been on service throughout the year, or some part thereof, the following teachers, lecturers and assistants:

WM. M. BAKER, Professor of English Language and Literature.

W. F. BLISS, Professor of Agriculture.

A. P. S. STUART, Professor of Chemistry.

S. W. ROBINSON, Professor of Mechanical Science.

T. J. BURRILL, Professor of Botany and Horticulture.

S. W. SHATTUCK, Professor of Civil Engineering and Mathematics.

EDWARD SNYDER, Professor of Book-keeping, Military Tactics and German.

JAMES BELLANGEE, Teacher of Architectural Drawing.

HENRY M. DOUGLASS, Librarian and Assistant Teacher.

ROBERT WARDER, Assistant in Chemistry.

I. S. FOULON, Teacher of the French Language.

ALEX. THOMSON, Assistant Teacher of Engineering.

DR. H. J. DETMER, Lecturer on Veterinary Science.

DR. MANLY MILES, Lecturer on Agriculture.

DR. E. S. HULL, Lecturer on Horticulture.

Prof. Bliss, called away by the care of his own farm, resigned the Professorship at the close of the Spring term.

Negotiations are already in progress to fill the vacant chair of agriculture, and also to secure suitable men for the professorships of geology and zoology, and of history and social science. All of these places should be filled before the opening of the next academic year.

The terms of service of the assistant teachers now under employment will expire with the current year, but as the number and kind of assistants required the next year will depend partly upon our success in filling the chairs mentioned, it will be best to refer their employment to the Executive Committee, or to authorize the Regent to employ, from time to time, such assistants as may be required, within such restrictions as to salary as the Board may prescribe.

In the practice departments the following assistants have been on service during the year: H. K. Vickroy, orchardist and nurseryman; Thomas Franks, gardener and florist; J. S. Searfoss, carpenter; Alexander Thomson, machinist; Geo. Upstone, foreman on stock farm.

Mr. Upstone having been disabled by an accident in December last, Mr. G. W. Rice, of Champaign, kindly tendered his services, and was employed to the first of March, giving excellent satisfaction.

The close of Professor Bliss' term of service, the first of September, left the farm without any responsible superintendent, and the Executive Committee, deeming it wise to secure a man of requisite education and experience, to take the responsibility until the chair of agriculture should be again filled, instituted inquiries for suitable candidates, and finally appointed, to the place of head farmer, Mr. E. L. Lawrence, of Belvidere, Boone county. Mr. Lawrence entered upon service the 1st of March.

Mr. Upstone, having been temporarily disabled by the breaking of his leg, while in the service of the Board, was paid his wages for the month of January, and still occupies a portion of the house, by the kindness of Mr. Lawrence. I respectfully suggest that, in consideration of his misfortune, his wages be allowed to the first day of March, or that some allowance be made him to aid in the payment of his doctor's bill.

ATTENDANCE AND STUDIES.

The records of the year show a gratifying progress in numbers and qualifications of students. The attendance, during the several terms since last meeting, was as follows:

During the Spring Term.....	149
During the Autumn Term.....	204
During the Winter Term (not yet ended).....	226
Total attendance for the year.....	280
Total attendance of preceding year, to June.....	196

The number entered for the several courses, the present term, was as follows:

For Agricultural and Horticultural courses.....	60
For Mechanical and Civil Engineering.....	44
For Special Chemical course.....	9
For Commercial.....	12
For Architecture.....	4
For Military course.....	24
Students in Chemical Laboratory.....	88

Several are entered as students of Mining Engineering, and an early development of this course will be required. Many of the younger students report for a general or elective course, not having yet fixed upon any pursuit or profession.

The representation from the different counties of the State has steadily grown greater as the University has become more widely known, fifty-five counties being now represented. Every year, circulars and lists of questions for the examination of students, have been sent to the County Superintendents of schools, and great credit is due these officers for the generous and efficient service they have rendered the University.

ADMISSION OF FEMALE STUDENTS.

A brief time before the opening of the Autumn Term, the Executive Committee decided upon the admission of female students, and fifteen entered the first term thereafter. The number, this term, is twenty-two, and there is reason to believe the number will rapidly increase hereafter.

TERMS OF ADMISSION.

The law prescribes that "no student shall be admitted to instruction in any of the departments of the University, who shall not have attained the age of fifteen years, and who shall not, previously, undergo a satisfactory examination in each of the branches ordinarily taught in the common schools of the State." This requirement has been interpreted as fixing simply the lowest limits of the qualifications which the Trustees might prescribe, leaving them free to fix such higher qualifications as might seem needful in the progress of time.

A steady advance has been seen in the qualifications of the larger number of candidates for admission, though some have still applied and been admitted under an examination in the common branches.

The increasing number of applicants for admission, and the large increase of work now required by the higher classes, create the necessity for raising the standard of qualifications for admission. It is recommended that candidates for admission the next year be required to pass thorough examinations in English Grammar, Geography, Mathematical, Political and Physical, History of the United States, Arithmetic and Algebra, and that the following year there be added to the requirements the elements of Natural Philosophy and Physiology.

The requirements of those who are candidates for advanced standing, or for classical studies, ought, of course, to remain as heretofore.

I suggest, also, whether, after the next year, it may not be wise to add a year to the required age for admission.

While the University owes no slavish submission to the customs of other institutions, in other and older States, it may wisely, when necessary, restrict its work to those who are best prepared to profit by its instruction, and to fulfill the work which will be required of its graduates. If any departure be allowed from the required scholastic preparation, it should be in favor of students of advanced age, whose employments have given them a mental development and power which younger students could only gain from the study of books.

FINANCES.

The permanent funds have been increased during the past year by the sale of 50,000 acres of land scrip for \$44,821.60, and by the sale of 160 acres of the Griggs farm for \$9,600. The entire fund, including these additions, now amounts to \$363,421.60, and the estimated income from the same to \$27,002. The Treasurer's report will exhibit in detail the investments of this fund, as also the items of the annual income from all sources. The list of warrants, accompanying this report, will give you the several items of expenditures.

The total income for the year, from all sources, not including legislative appropriations, was \$41,357.01. The total expenditures, excepting those from appropriations aforesaid, was \$38,654.69.

The Bookkeeper's statement, which I transmit herewith, will give you the details of the expenditures of the legislative appropriations. I believe the expenditures have been made with strict economy and fidelity, and have given to the departments for which they were made large and useful developments.

The estimated income for next year, from all sources, is \$41,426.80. The estimates for the current expenditures have been placed in the hands of the Finance Committee, and will be reported by that committee with such modifications as they may deem necessary. A considerable increase of the appropriation for the expense of instruction will be needed, to meet the expected increase in the number of the Faculty.

A large amount of our funds has remained invested in six per cent. State bonds. This amount can be quite safely invested in good county bonds yielding ten per cent. I submit whether the increase of the wants and expenses of the University do not require an immediate change to be made in these investments.

The increase of the taxes on our lands in Minnesota and Nebraska will be noticed as an indication of the increasing value of these lands. Information received from private sources confirms this inference, and the time is approaching when active measures should be taken to bring them into market.

It will be recollected that we have still on hand scrip for 25,000 acres to be located or sold. A new effort ought to be made this season to secure the location of this scrip. The progress of the new Pacific Railroads will open some very desirable lands for location.

The inventory prepared by the Bookkeeper gives the present gross assets of the University to be as follows :

Real estate	\$189,150
Personal property, including all apparatus.....	65,600
Wild lands located with scrip.....	
Funds invested.....	

I suggest that the funds for the several practical departments—as the Agricultural, the Horticultural and the Mechanical—be charged directly with all salaries and expenses attending them, and credited with all proceeds coming from them; and that no amounts be appropriated to them from the general fund, except to meet deficiencies. Their accounts will then show, constantly, the actual profit and cost of each department, and will induce an economy not at all promoted by our present form of accounts.

AGRICULTURAL DEPARTMENT.

The work in this department was under the charge of Prof. Bliss till the first of September, when his resignation took effect. The crops were generally fair and some of them excellent, though the excessive dryness lessened the yield in many cases. A statement of crops raised and harvested will be appended to this report.

From the appropriation of \$25,000 made in 1869, for this department, there have been erected two large barns—one on the Experimental farm, 48 by 76 feet, with cellar extending under about three-fifths of it, costing nearly \$5,000; the other on the Stock farm, built in form of an L, each limb being 80 feet long by 40 feet wide. A basement with heavy stone walls and cemented floors, extends under it all, containing a cattle department, swine pens, a root cellar, cooking room, manure pit, etc. It is well supplied with cisterns, a well, and a cistern for liquid manures. The total expense of the whole was about \$10,000.

The farm is now well supplied with teams and tools. The funds designed for the purchase of some thorough-bred neat cattle, and other stock, was put into stock steers and hogs, for the purpose of feeding out the large corn and hay crop. The increased fund arising from the sale of these animals will enable us to purchase several valuable animals of different approved breeds, with which to begin our experiments illustrating stock breeding and feeding. There remains an unexpended balance of the appropriation, from which there ought to be provided a steam cooking apparatus and some other much-needed machinery, including a windmill for pumping water for stock, and either a small steam-engine or a good horse-power, with cutting and threshing machines.

I believe that at last we have adopted a wise and safe policy in the management of this large farm. A competent Head Farmer has been employed at a minimum salary, and he is given a large pecuniary interest in the successful management, in the offer of a maximum salary, to be paid out of net income of farm. The plans of cultivation are still under the control of the Board, but the Farmer is to be allowed to employ his own laborers. If he is liberally supported he counts confidently on making the farm yield not only his maximum salary, but also a generous surplus for the University.

The Experimental farm will, it is hoped, be provided for by the appropriation (now pending before the Legislature) for agricultural experiments. The amount of this appropriation is \$3,000 annually, for two years—\$500 a year of this sum being designed to cover the expenses attending the lecture courses through the State.

No part of the work of the University is more difficult to manage successfully than that of sound agricultural experimentation, and no part is more interesting to the agriculturists of the State. To make these experiments really valuable, they must be scientific in character and systematic in scope. An exhaustive series of experiments, covering

the entire ground of Agriculture in its several departments, will necessarily occupy many years, and will require the close attention of a skillful superintendent. To provide for such a series of experiments is the object of the appropriation asked; and, anticipating its grant, I have directed the preparation and staking out of a set of experimental plats, containing 1-20 of an acre each, on a plan recommended by Prof. M. Miles, of Michigan. These plats are to be cultivated one or two years without manures, to determine what varieties and differences the several plats exhibit in their natural state. They will then be ready for use in testing the effects of the several fertilizers, and of varying cultivation. A similar set of plats will be prepared for experiments in the several varieties of the different grains, grasses and roots. Experiments should also be undertaken in some of the new cultures recommended so often for introduction into our State. Also, experiments in Animal Husbandry, the feeding and breeding of cattle, sheep, swine, etc.

VETERINARY CLINIC.

Closely connected with Animal Husbandry, and a most important part of an Agricultural education, is the knowledge of Veterinary science. As an experiment in this department, the Executive Committee employed Dr. H. J. Detmer, V. S., to give a course of lectures to the Agricultural students during the Fall and Winter terms. During the present term he is conducting, with great success, a free veterinary infirmary, to give his class, numbering 26 students, opportunity to witness and assist in the treatment of sick animals. His report of the cases treated, which is hereto appended, shows that 55 patients have been presented for advice or treatment.

Although the University has not the means to open a full Veterinary College for the education of veterinary surgeons, still it is desirable to furnish some instruction to our Agricultural students in a branch so important to the stock interests of this State. It is cordially recommended, therefore, that the experiment be repeated another year, and that in case new mechanic shops be erected, the present shop-building be surrendered to be used as a veterinary stable and infirmary. Dr. Detmer's marked success and evident ability will certainly recommend him for appointment, but as there are some questions as to the practicable extent and relations of his course to the Agricultural course, of which it forms part, I recommend that the question of his employment another year be referred to the Executive Committee.

HORTICULTURAL DEPARTMENT.

The report of Prof. Burrill, which I herewith communicate, affords the detailed statement of the work done in his department the past year. This department is understood to include the Ornamental Grounds and Green Houses, the Market Garden, the Nurseries, the Orchards and Fruit Plantations, and the Forest planting. The ornamental grounds continue to improve in beauty, and are exercising an evident influence upon the tastes of the students. The new green house, furnished by the appropriation of 1869, is already well filled, and several of the students, including some of the young ladies, are taking lessons in its management.

The management of the market garden has, as yet, failed to secure remunerative results. The chief and perhaps fatal difficulty is found in the lack of a good home market for the more bulky or perishable vegetables. The effort now is to reduce the crops to such kinds as may either be transported profitably to Chicago, or preserved in cans. The work is too important to be relinquished without further trials.

The nurseries are designed primarily to supply the trees needed for our own orchards and forest plantations, but a large surplus will be raised for general sale. There are now in nursery 177,000 young trees for the forests and shelter belts, and a large number of pear and apple grafts have been prepared during the past winter, affording valuable practice to the students of Horticulture, and enlarging the nursery stock. The apple orchard now contains 2,319 trees, embracing about 1,180 varieties. Over 400 varieties of pears are either in orchard or nursery, and several varieties each of grapes, currants, raspberries, strawberries, gooseberries, and blackberries.

An appropriation has been asked to carry out the forest planting, as it will necessarily involve a large expense for which no return can be expected for many years. A large part of the trees now on hand are ready to go into permanent place this spring.

Nearly twenty acres of the garden ground have been thoroughly underdrained, and there remains a portion of the appropriation sufficient to underdrain the remainder of these grounds, or at least such as it is desirable to underdrain. Prof. Burrill is infusing new life into his department.

THE MECHANICAL DEPARTMENT.

The report of Professor Robinson will give, in detail, the work done in the shop. When it is recollected that this department began its proper work only about one year ago, the report will afford strong

evidence of the useful character and brilliant prospects of this branch of industrial education. There has been a steady increase in the number of students in the Mechanical and Engineering courses, and the liveliest interest has been shown in their studies and shop practice. You will see in our apparatus cases a goodly amount of apparatus made in the shops by students. The cases themselves are also their work. The steam heating, introduced into the University building since your last meeting, is the work of their hands. The heating apparatus of the green house was cast from patterns made in the shop, and then put in by student labor. Some valuable pieces of apparatus have been manufactured for other institutions, or for private parties, and if the shop is credited with the value of the apparatus manufactured, and the work performed for other departments, it will be found self-sustaining.

An appropriation of \$25,000 has been asked from the Legislature to provide larger and better furnished shops, and for a drill hall, and plans will be laid before you for your approval, for such building. The erection of such a building will greatly facilitate the work of the department and increase its power. I cannot too strongly commend the earnestness and zeal of Prof. Robinson in his work.

OTHER DEPARTMENTS.

It is not necessary to go into detail in reference to the other departments, but it would be unjust to pass them in silence. The department of the English Language and Literature, unsurpassed by any other in its practical every-day value, has been so admirably managed by Prof. Baker as to demand for him your highest consideration. I have never known, any where, more life and energy thrown into this study of our mother tongue; and the students who have received the benefit of his indefatigable instruction will long have reason to remember the thorough drill given them in the correct use and critical knowledge of their vernacular, and of the rich fields of its splendid literature. The classes in this department have been larger than in any other, the class beginning with this year numbering over 70 members.

The department of Chemistry has also exhibited remarkable vitality. The fundamental character of this science, and its wide scope of relations both to the other sciences and to agriculture and the useful arts, give it great importance in an institution consecrated to industrial education. It is, therefore, a matter of profound gratulation that so large a proportion of our students voluntarily seek this course. It is no small proof of the efficiency of its enthusiastic and able Professor, H.

P. S. Stuart, that he should have secured thus early so much interest in his department. The new chemistry class entering last fall, numbered 50 students, and already there are 38 at work in the over-crowded Laboratory.

An appropriation of \$50,000 was asked for a Laboratory building, furnished with the necessary apparatus for mining and metallurgical uses, as well as chemical analyses. Its importance was recognized by the committees to which our application was referred, but the extent of appropriations needed by other institutions compelled a present denial of the request. This is the more to be regretted, because, long before a suitable building can be erected, the department will have utterly outgrown its accommodations. It may be found wise to prepare temporary quarters for it in the basement, or some other part of the new main building.

The department of Civil Engineering has also won some laurels under the efficient management of Prof. Shattuck and his assistants. Classes have been trained in both theory and field practice, and the services of some of the students have already been sought by outside parties, in engineering work.

Prof. Snyder has also given much force to the several departments under his charge. The Bookkeeping classes are always crowded, as are also the classes in German ; and the Military Drill has been maintained with more vigor than in any similar institution known to me. With the aid of the new Drill hall, planned in connection with the new Mechanic building, a much greater efficiency can be given to the Military course.

The success attending our efforts to meet fairly the legal requirements laid upon us, to include military tactics in our course of instruction, has suggested the propriety of asking Congress to give additional aid in a work of such national importance. I have sent accordingly to Hon. John A. Logan, late chairman of Committee on Military Affairs in the House of Representatives, the sketch of a plan for a National system of military education, which I herewith submit to you as a proposition touching the future prospects of this institution.

THE LABOR SYSTEM.

The labor system still costs us much care. Two difficulties meet us constantly : First, to provide a sufficiency of such labor as the students can perform ; and second, to get such work as we do provide, well and economically performed. The practical value of the labor, as a necessary adjunct of a sound industrial education, can scarcely be over-

stated. It would be well if, in all the industrial courses, practice should be required as a condition of graduation. In the Mechanical department Prof. Robinson has made "shop practice" a regular part of the course, not as an apprenticeship to a trade but as a necessary means of giving a practical understanding of the principles of mechanical philosophy. This shop practice is not counted nor paid for as labor, but the student is allowed to labor at other hours for wages. I would recommend that a similar plan be adopted in other departments. The student of Horticulture may be required to give a certain number of hours, during one or more terms, to practice in the green house, the gardens, nurseries, orchards and grafting rooms. The student of Agriculture may, in like manner and with like aim, be required to take daily practice, during certain terms, in the practical operations of the field, or in the stock barns. This would not prevent students working at other hours for wages.

THE APPLICATION FOR LEGISLATIVE AID.

The memorial prepared by direction of the Executive Committee has already been seen by most of the members of the Board, and its statements of our wants need not be repeated here. The bill appropriating \$75,000 towards the erection of a new University building, to cost in all \$150,000, and \$25,000 for the erection and furnishing of a machine shop, has already passed the Senate, and is now pending before the House of Representatives, with a good prospect of speedily becoming a law. I call attention to it now, as its passage will impose at once upon the Board the duty of fixing sites, adopting plans, and preparing for contracts for the erection of the proposed buildings. Some preliminary plans have been prepared, but a most thorough and careful review of these plans will be required. Every feature ought to be scanned with the most jealous attention, both to secure perfection of design and to insure economy in the erection.

An appropriation has also been asked for the library and apparatus of instruction. The report of the Librarian shows the number of books now in library to be 4,538—an increase of 892 volumes during the year, 98 of which were received from donations. Besides these over two hundred pamphlets have been added to the collection.

The library is proving, as it ought, one of the most valuable agencies of instruction as well as a point of most attractive interest to our students, and its early and large increase will add greatly to the real power and value of the University. It will be remembered that the matriculation fees are set apart and apportioned to the library fund.

These fees, the past year, were absorbed in the general fund. They ought now to be added to the library appropriation for this year. We can not easily over-estimate the importance of a full supply of the best and freshest books to the student of science. The rapid and constant advance in the physical sciences—the new and surprising discoveries following each other in rapid succession—frequently invalidate old theories and conclusions, and compel continual reconstructions, making the old literature of these sciences imperfect and unsafe. Fresh books must be constantly added to our stores to keep us abreast with the progress of the scholarship of the age.

CONCLUSION.

I am glad to be able to state my earnest belief that the University is growing rapidly and deservedly in favor. The plans adopted by you at the outset, with such modifications of minor details as experience has suggested, have been found sound in practice as they were sound in theory. Much remains to be done, before we can fully realize all the great ends contemplated in those plans; but the good Providence that has thus far prospered us will still be over us, and the principles thus far found good will guide us to still greater success. I would indulge in no arrogant anticipations; but the future career of the University has an outlook so grand in itself, and so hopeful for humanity, that we may well pledge ourselves to new courage and larger efforts.

J. M. GREGORY.

LIBRARIAN'S REPORT.

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

The Librarian takes great satisfaction in reporting a respectable increase in the size and value of the Library, and more than corresponding increase in its use by the students.

The number of volumes reported last year was 3,480. It seems that some shelves were missed in the count, and that there were actually 3,616 at that time. The present number is 4,538, showing a clear increase of 892 volumes. Of these, 573 are included in the catalogue printed with the last annual report; 53 were bound from our own files, as shown in Schedule I; 168 were purchased since the catalogue was sent to press, as shown by Schedule II; 98 were obtained by donation and exchange, as shown by Schedule III.

Correspondence now in progress will doubtless add one or two hundred volumes with no expense except for transportation. I am

confident that during the coming year I can effect an increase of more than one thousand volumes in the same way.

I have given considerable attention to the increase of our pamphlet collection. Its growth has been over two hundred the past year, and will probably be two thousand the next.

By Schedule IV it will be seen that sixty periodicals are received. Of these twenty-nine are agricultural, six mechanical, six scientific, eight literary, six news and political. It might be thought that this is too large a number, but the schedule shows that thirty of these are exchanges and cost nothing but postage and copies of our reports.

The books have been issued to readers on their filing checks with name and the book wished. The check is a charge for the book until it is taken off the file, and this is done when the book is returned. Books are freely taken from the room by teachers in the University, a record-book being kept for their use. Books are taken out by students to a very limited extent, each book so taken being charged to the Librarian or some other teacher. Some liberty of this kind seems indispensable, from the extensive reading demanded by some subjects, and the present arrangement seems to answer every purpose.

A very few books (about ten) cannot be accounted for. As the library is constantly used for a study room, and the shelves are easily reached, students some times, but very seldom, take books to their rooms without permission, trusting to a favorable opportunity to return them without detection. The utmost care will be taken to prevent this, but it cannot be absolutely avoided with the present limited room.

Considerable progress has been made in preparing a written catalogue, such as shall combine the advantages of directing readers with the least search to all the library contains on any given subject, and permitting the insertion of new books without breaking the arrangement. It is proposed to make this catalogue extend to the separate articles in periodical works, thus making it a perfect key to the whole library. I hope that the coming year will see this work complete for all that we shall then have.

Permit me to call your attention to the great interest which might be added to the annual report of the trustees, by inserting such discoveries, inventions and statistics as should make it a place among scientific periodicals. It would thus serve at once to answer the great purpose of the institution in preparing and disseminating useful knowledge, and enable us to make large and valuable exchanges for the library.

About seventy-five dollars is much needed for binding last year's periodicals, and twenty-five or fifty dollars would be well spent in binding the North American and London Quarterly Reviews, going back a number of years.

All which is respectfully submitted.

H. M. DOUGLASS,

Librarian.

The report was referred to the several Committees for action.

It was moved and seconded that the Regent be authorized to sell the S. E. $\frac{1}{4}$ of the N. E. $\frac{1}{4}$ of section 21, township 19, range 9, at \$55 per acre.

The motion was referred to the Finance Committee.

The following report was next read:

REPORT OF THE TREASURER.

R E C E I P T S .

1870. March	9	Balance.....	\$21,201 40
April	1	Interest on \$50,000 Sangamon county bonds.....	2,250 00
May	28	Tuition, etc.....	174 00
"	28	Coal collections.....	87 72
"	28	Farm produce.....	214 86
June	1	Interest on Champaign county bonds.....	10,000 00
"	9	Sales from gardens.....	141 62
"	9	Farm produce.....	44 10
"	9	Coal collections.....	43 90
"	9	Tuition, etc.....	202 16
"	15	Interest on Morgan county bonds.....	2,500 00
July	5	" Illinois state bonds.....	2,370 00
"	5	" Chicago city bonds.....	875 00
"	5	" Pike county bonds.....	2,000 00
August	26	Rent.....	73 37
"	27	Tuition, etc.....	151 50
"	27	Farm produce.....	327 99
"	27	Garden sales.....	182 03
"	27	Rent for gardener's house.....	75 00
"	27	Broken glass.....	6 05
Sept.	1	Rent.....	429 09
"	24	Farm produce sales.....	720 15
"	24	Garden produce.....	79 21
"	24	Fees, etc.....	1,247 00
Oct.	1	Interest on Sangamon county bonds.....	2,250 00
Nov.	12	Fees, etc.....	333 00
"	12	Farm produce.....	250 80
"	12	Sale of old stoves.....	17 50
"	12	Rent of gardener's house.....	83 33
"	12	Fees.....	3 50
1871. January	2	Interest on Illinois State bonds.....	2,370 00
"	2	" Chicago city bonds.....	875 00
"	2	Farm sales.....	83 75
"	2	Garden sales.....	92 38
"	2	Coal sales.....	140 90
"	2	Fees, etc.....	164 50
"	2	From Mechanical department.....	161 92
"	21	Fees.....	409 00
"	21	Garden sales.....	4 43
"	21	Mechanical department.....	150 00
"	21	Rent.....	88 00

Receipts—Continued.

1871. Feb.	11	Garden sales.....	\$25 18
"	11	Coal sales.....	113 75
"	11	Farm sales.....	108 00
"	11	From Mechanical department.....	25 00
"	22	Rent.....	178 94
"	28	Rent.....	578 05
"	28	Fees.....	458 00
"	28	Coal sales.....	42 39
"	28	Farm sales.....	59 75
"	28	Garden sales.....	48 98
"	28	Old stoves.....	12 00
"	28	From Mechanical department.....	176 58
"	28	Interest on scrip moneys.....	1,120 00
"	28	Rent.....	800 00
"	28	Freights, (Illinois Central Railroad donation).....	4,605 78
"	28	Farm sales.....	213 77
"	28	Coal sales.....	91 37
"	28	Fees.....	40 75
"	28	Garden sales.....	19 10
"	28	Lumber, cement, etc.....	53 52
"	28	Old furnaces.....	301 52
"	28	Mechanical department.....	63 52
"	28	Fees.....	282 00
"	28	Farm produce.....	241 30
"	28	Old furnaces.....	75 00
"	28	State appropriation Agricultural department.....	12,500 00
"	28	" " Horticultural department.....	10,000 00
Total.....			<u>\$85,058 41</u>

SUMMMARY OF RECEIPTS.

For Balance.....	\$21,201 40
" Interest on bonds.....	26,610 00
" Fees from students.....	3,461 91
" Farm produce.....	2,264 47
" Garden produce.....	704 76
" From Mechanical department.....	577 02
" Coal sold.....	520 03
" Rent for Griggs' farm.....	2,147 45
" Old stoves.....	29 50
" Old furnaces, lumber, etc.....	430 04
" Broken glass.....	6 05
" Freights, (Illinois Central Railroad donation).....	4,605 78
" State appropriation Agricultural department.....	12,500 00
" " " Horticultural department.....	10,000 00
Total receipts.....	<u>\$85,058 41</u>

DISBURSEMENTS.

For Appropriations of 1869.....	\$482 87
" Expenses of Trustees.....	1,179 79
" Salaries.....	20,576 42
" Corresponding Secretary.....	670 00
" Treasurer.....	500 00
" Taxes on lands.....	1,551 29
" Fuel and lights.....	1,593 70
" Stationery and printing.....	1,136 58
" Building account.....	1,589 50
" Incidental expenses.....	1,177 63

Disbursements—Continued.

For Mechanical department.....	\$1,324 66
“ Farm labor	3,093 05
“ Fire extinguishers	132 05
“ Insurance.....	337 50
“ Steam heating.....	1,638 07
“ Lectures	940 15
On account state appropriations:	
“ Agricultural department	22,535 57
“ Horticultural department	12,792 19
“ Chemical department.....	1,850 39
“ Books and apparatus	3,831 62
Total.....	\$78,933 03
Amount unexpended.....	\$6,125 38

The report was received and referred to the Auditing Committee.

On motion of Mr. Pearson, a committee of three was appointed to present nominations of Standing Committees.

The chair thus appointed Messrs. Pearson, Lawrence and Cunningham.

On motion of Hon. C. R. Griggs, the Board proceeded to the biennial election of officers.

Mr. Brown, of Sangamon, was elected chairman, (the Regent retiring) and Messrs. Edwards and Cobb were appointed to act as tellers.

On motion of Mr. Blackburn, the election of Regent took place.

J. M. Gregory was put in nomination by Judge A. M. Brown; and was elected, unanimously, at the first ballot.

Hon. N. Bateman and Mr. Goltra were appointed a committee to notify Dr. J. M. Gregory of his re-election, who, when reinstalled in the chair, made a short and very appropriate address.

The oath of office was then administered to the Regent.

The election of officers then proceeding, Hon. Newton Bateman nominated Mr. J. W. Bunn, of Springfield, for Treasurer.

The teller announced as the result of the ballot for Treasurer

J. W. Bunn.....	15 ballots.
B. F. Harris, of Champaign.....	2 “
J. Bunn.....	1 “

The chairman declared J. W. Bunn elected.

Hon. W. C. Flagg was nominated for Corresponding Secretary, and elected unanimously at the first ballot.

Dr. Scroggs nominated Prof. E. Snyder for Recording Secretary, who was also elected unanimously.

On motion of Mr. Griggs, the Board adjourned to meet in the evening at eight o'clock.

EVENING SESSION.

The Board reassembled at 8 o'clock P. M., the Regent in the chair. Messrs. Mahan, Pullen and Van Osdel arrived and took their seats. The following statement of the Bookkeeper was then read:

STATEMENT OF BOOKKEEPER.

To the Regent of the Industrial University :

I have the honor to submit to you, for the information of the Board of Trustees, the following financial statements :

I. Statement of the real estate, personal property and other funds of the Illinois Industrial University.

II. Statement of expenditures for the year ending March 1st, 1871.

III. Statement of expenditures from State appropriations to March 1st, 1871, and unexpended balance.

IV. Statement of all warrants drawn during the year and abstract of same.

V. Statement of the amount paid for students' labor in the several departments.

Statement of the Real Estate and Personal Property of the Illinois Industrial University, for the year ending March 1st, 1871.

BUILDINGS AND APPARATUS FOR INSTRUCTION.	
University building.....	\$50,000 00
Ornamental and parade grounds.....	10,000 00
Library, 4,600 volumes.....	10,000 00
Chemical Laboratory.....	3,500 00
Cabinets.....	2,500 00
Engineering instruments.....	1,000 00
Mechanical shop.....	
Building machinery, tools, material.....	3,500 00
Furniture and fixtures.....	3,000 00
	<u>\$88,500 00</u>
AGRICULTURAL DEPARTMENT.	
410 acres of land, at \$75.....	\$30,750 00
Two farm houses.....	1,500 00
Two barns.....	16,500 00
Teams, \$1,000; colts, \$200; hogs, \$350; 60 steers, \$3,500; produce unsold \$1,550; implements, \$1,500.....	8,100 00
80 acres, Experimental farm, at \$120.....	12,000 00
240 acres (Griggs farm) at \$60.....	14,400 00
	<u>\$83,250 00</u>
HORTICULTURAL DEPARTMENT.	
120 acres, gardens and orchards, partly drained, valued at.....	\$24,000 00
House on orchards.....	2,850 00
House on gardens.....	1,200 00
Barn.....	650 00
Green house.....	3,450 00
Propagating house.....	300 00

Statement—Continued.

Implements and tools.....	\$800 00
Teams	650 00
Produce on hand	700 00
Nursery stock.....	3,000 00
Bedding plants in greenhouse.....	600 00
	<u>\$38,000 00</u>
INTEREST BEARING FUNDS.	
Champaign county bonds, at 10 per cent.....	\$100,000 00
Sangamon county bonds, at 9 per cent.....	50,000 00
Morgan county bonds, at 10 per cent	25,000 00
Chicago city water bonds, at 7 per cent.....	25,000 00
Pike county bonds, at 10 per cent.....	30,000 00
Illinois State bonds, at 6 per cent.....	79,000 00
Proceeds of scrip.....	44,821 60
24,480 acres scrip on hand, valued	22,032 00
Located in Nebraska, 9,460.09 acres; in Minnesota, 15,973.67 acres; total, \$25,433 acres, at \$2	50,866 00
Unexpended Illinois Central Railroad donation.....	40,000 00
160 acres Griggs farm, sold at \$60.....	9,600 00
	<u>\$476,819 60</u>
RECAPITULATION.	
Buildings and apparatus.....	\$83,500 00
Agricultural department.....	83,250 00
Horticultural department.....	38,000 00
Bonds and other funds.....	476,819 60
	<u>\$681,069 60</u>

Statement of the Current Expenditures to March 1st, 1871.

Board expense.....	\$1,179 79
Salaries	20,576 42
Regent J. M. Gregory.....	\$4,000 00
Prof. W. M. Baker.....	2,000 00
Prof. A. P. S. Stuart.....	2,000 00
Prof. W. F. Bliss.....	1,000 00
Prof. S. W. Robinson.....	2,000 00
Prof. T. J. Burrill.....	1,800 00
Prof. S. W. Shattuck.....	1,800 00
Prof. E. Snyder.....	1,800 00
Mr. J. Bellangee.....	1,000 00
Mr. H. M. Douglass	1,000 00
Mr. R. B. Warder.....	500 00
Mr. I. D. Foulon	300 00
Dr. H. J. Detmers.....	600 00
Prof. Sanborn Tenney.....	600 00
Lectures in January, 1870.....	176 42
Fuel and lights	1,593 70
Gas.....	115 25
Sundry expenses.....	32 85
Coal { coal at mine.....	752 20
{ freight	619 90
{ hauling	73 50
Stationery and printing	1,126 58
Stationery.....	40 45
Printing reports and catalogues	731 90
Other printing and advestising.....	364 23

Statement—Continued.

Building and repairs		\$1,589 50
Painting and glazing	\$73 29	
Improvements	454 30	
Cleaning (sweeping, etc.)	114 77	
Whitewashing and scrubbing	173 75	
Repairs	308 09	
Raising shop	50 00	
Coal-house	109 60	
Sidewalks	133 00	
Shop yards and shed	172 70	
Mechanical department		1,324 66
Materials and repairs	365 87	
Work in shop	532 30	
Foreman's salary	972 22	
Carpenter work	18 95	
Hauling	6 00	
	\$1,895 34	
By work for other departments	570 68	
Farm account		3,093 05
Blacksmithing and repairs	171 89	
Superintendent's salary	660 00	
Farm laborers	2,593 41	
	\$3,425 30	
By hauling for buildings	332 25	
Incidental expenses		1,177 63
Postage	88 10	
Express	41 20	
Janitor's wages	220 48	
Janitor work by students	224 85	
Sundry other expenses	603 00	
Bills unpaid		482 87
Fire extinguishers		132 05
Salary of Treasurer		500 00
Salary of Corresponding Secretary		670 00
Taxes on lands		1,551 29
Insurance		337 50
Steam heating apparatus		1,638 07
Lecture—Dr. Miles, \$626 10; Dr. Hull, \$250 00; sundry, \$64 05		940 15
Total		\$37,923 26

Statement of Expenditures from the Appropriations made by the Legislature in March,
1869.

Agricultural department		\$24,813 59
I. Barn	\$9,914 93	
II. Barn	5,392 08	
Tools, fixtures and implements	1,518 03	
Horses, cattle and hogs	4,753 80	
Seeds	375 28	
Hedges, roads, etc	562 68	
Work in improving wells, cisterns, draining, etc	1,645 27	
Corn crib	151 52	
Horticultural department		18,161 88
Seed and bulbs	171 34	
Trees and grapes	2,738 56	
Gardener's house	1,081 53	
Gardener's barn	628 04	
Labor	1,818 48	

Statement—Continued.

Salaries of foremen	\$2,539 43	
Teams, tools and implements	753 75	
Fences, roads and bridges	361 74	
Freight	349 60	
Tile and drainage	1,235 27	
Sundries	207 01	
House on orchard	2,827 07	
Greenhouse	3,440 06	
Chemical department		\$3,035 95
Fixtures	540 19	
Chemicals	680 41	
Apparatus	1,815 35	
Books and apparatus		10,078 88
Fixtures	849 30	
Insurance, express, etc	510 39	
Books	5,891 17	
Models from Mechanical department	2,000 00	
Cabinet	837 02	
Total		\$55,580 30
Balance		4,419 70

Statement of Expenditures during the year ending March 1st, 1871, as per Warrants
1 to 746, inclusive.

Board expense	\$1,179 79	
Salary of Faculty, etc.	20,576 42	
Salary Treasurer	500 00	
Salary Corresponding Secretary	670 00	
Taxes on land	1,551 29	
Fuel and light	1,593 70	
Stationery and printing	1,136 58	
Building account	1,589 50	
Incidental expense	1,177 63	
Mechanical department	1,324 66	
Farm labor	3,093 05	
Fire extinguisher	132 05	
Steam-heating apparatus	1,638 07	
Insurance	337 50	
Bills unpaid	482 87	
Lectures in 1871	940 15	
		\$37,923 26
State appropriation Agricultural department	22,535 57	
State appropriation Horticultural department	12,792 19	
Chemical laboratory	1,850 39	
Books and apparatus	3,831 62	41,009 77
Total		\$78,933 03

URBANA, *March 14th*, 1871.

E. SNYDER.

Statement of Warrants.

No.	Date.	To whom.	For what.	Amount.
1	March 9	Prof. Sanborn Tenney...	Thirty lectures delivered.....	\$600 00
2	" 9	J. H. Pickard.....	Expenses to meeting.....	17 50
3	" 9	J. H. Pickrell.....	" ".....	12 30
4	" 9	Dr. Wm. Kile.....	" ".....	8 75
5	" 9	A. M. Brown.....	" ".....	28 15
6	" 9	J. S. Johnson.....	" ".....	25 00
7	" 9	A. Blackburn.....	" ".....	26 30
8	" 9	Samuel Edwards.....	" ".....	24 00
9	" 9	" ".....	Trees for nursery.....	27 00
10	" 9	W. C. Flagg.....	Payment of lecture expense.....	176 35
11	" 9	J. P. Slade.....	Expense to meeting.....	23 45
12	" 9	J. M. Pearson.....	" ".....	19 95
13	" 9	Paul R. Wright.....	" ".....	27 75
14	" 9	B. Pullen.....	" ".....	21 00
15	" 9	M. C. Goltra.....	" ".....	11 00
16	" 9	Mason Brayman.....	" ".....	27 75
17	" 9	L. Lawrence.....	" ".....	26 85
18	" 9	O. B. Galusha.....	" ".....	11 00
19	" 9	W. C. Flagg.....	Corresponding Secretary's salary.....	470 00
20	" 9	J. W. Bunn.....	Treasurer's salary.....	500 00
21	" 10	Trevitt & Green.....	Hardware.....	62 81
22	" 10	J. M. Gregory.....	Salary, March.....	388 34
23	" 10	W. F. Bliss.....	" ".....	166 66
24	" 11	Illinois Central R. R. Co.	Advanced freights.....	5 50
25	" 11	H. K. Vickroy.....	Expenses and labor.....	10 94
26	" 11	Champaign Gas Company	Gas fixtures.....	181 22
27	" 11	Union Coal Company...	Two cars coal.....	32 00
28	" 11	W. H. Merritt.....	Labor.....	24 19
29	" 11	Henry Swannell.....	Oil, paint, wall paper.....	14 84
30	" 11	E. V. Peterson.....	Curtains for chapel.....	48 40
31	" 11	J. M. Gregory.....	Expense for purchases in Europe.....	250 00
32	" 14	Wm. M. Baker.....	Salary, March.....	166 66
33	" 14	J. C. Burroughs.....	Expense to meeting.....	17 25
34	" 14	Flynn & Scroggs.....	Printing.....	44 10
35	" 15	M. E. Lasher.....	Raising carpenter shop.....	10 00
36	" 16	M. J. & J. F. Jeffrey...	Castings and machinery.....	35 00
37	" 16	Angle & Sabine.....	Grass and clover seed.....	110 26
38	" 18	S. W. Robinson.....	Material for models.....	84 76
39	" 21	Col. Barringer.....	Gas pipes.....	115 00
40	" 21	Jas. Vick.....	Flower seeds.....	5 00
41	" 23	T. J. Burrill.....	Stove and pipe.....	8 00
42	" 23	J. Bellangee.....	Drawing paper.....	8 00
43	" 25	American Express Co...	Reports from Springfield.....	67 50
44	" 27	S. L. Graves & Son.....	Turning-lathe and saws.....	100 00
45	" 29	J. J. Thomas & Co.....	Grass harrow and freight.....	23 25
46	" 30	E. Snyder.....	Salary, March.....	150 00
47	" 30	J. Bellangee.....	" ".....	83 33
48	" 30	A. P. S. Stuart.....	" ".....	166 66
49	" 30	S. W. Robinson.....	" ".....	166 66
50	" 30	S. W. Shattuck.....	" ".....	150 00
51	" 30	T. J. Burrill.....	" ".....	150 00
52	" 30	H. Douglass.....	" ".....	83 33
53	" 30	J. S. Searfoss.....	" ".....	83 33
54	" 30	H. K. Vickroy.....	" ".....	83 33
55	" 30	T. Franks.....	" ".....	75 00
56	" 30	R. B. Warder.....	" ".....	33 33
57	" 30	Pat. Lamb.....	" ".....	40 00
58	" 30	Lowenstern & Graham...	Muslin and thread.....	6 60
59	April 1	Prof. W. F. Bliss.....	Salary, April.....	166 66
60	" 1	Fuller, Finch & Fuller...	Glass for green house.....	242 54

Statement—Continued.

No.	Date.	To whom.	For what.	Amount.
61	April	1 David M. Ford.....	Material and machinery.....	\$38 52
62	"	1 Larrabee & North.....	Tools and materials.....	39 86
63	"	1 Prof. E. Snyder.....	Payment of labor.....	352 56
64	"	1 Champaign Gas Company	Gas for March.....	12 80
65	"	5 W. H. Merritt.....	Work on orchards.....	24 69
66	"	5 H. K. Vickroy.....	Petty expense.....	3 65
67	"	7 Luther W. Lawrence....	Expense to meeting.....	25 10
68	"	7 A. M. Brown.....	" ".....	27 60
69	"	7 J. H. Pickrell.....	" ".....	13 05
70	"	7 M. C. Goltra.....	" ".....	16 50
71	"	9 E. Snyder.....	Petty expenses.....	27 44
72	"	9 J. S. Upstone.....	Farm laborers pay and board.....	132 17
73	"	9 W. J. Jeffrey.....	Engine castings.....	128 88
74	"	9 Cobb & Warriner.....	Norway oats.....	26 00
75	"	9 Union Coal Company....	Two cars coal.....	30 00
76	"	9 E. Eldred.....	Lumber for barns.....	206 45
77	"	9 C. Foote.....	2,000 brick for hot house.....	20 00
78	"	9 G. S. Upstone.....	Laborers pay and board.....	104 44
79	"	9 Prof. W. F. Bliss.....	Postage stamps.....	5 50
80	"	9 A. Thomson.....	Work on machinery.....	84 00
81	"	13 F. M. & A. Avey.....	Blacksmithing.....	7 85
82	"	26 Chas. Quinn.....	One span of horses.....	250 00
83	"	26 Prof. W. M. Baker.....	Salary, April.....	166 66
84	"	26 E. L. Brown.....	Expense to meetings.....	42 00
85	"	26 S. M. Newby.....	Express on seed corn.....	1 50
86	"	26 Daniel Wicks.....	Barley for seed.....	64 30
87	"	26 F. K. Phoenix.....	Bill of Trees.....	79 10
88	"	26 R. Douglas & Son.....	" ".....	48 50
89	"	26 W. N. Nourse.....	" ".....	43 25
90	"	26 Edgar Saunders.....	Two dozen dahlias.....	4 00
91	"	26 Hovey & Co.....	One lawn roller.....	30 00
92	"	26 Hulburd, Herrick & Co..	Nails for green house.....	28 00
93	"	26 James & Co.....	Belting.....	9 17
94	"	27 Lacon Nursery.....	Bill of trees.....	53 80
95	"	27 Jennings & Wagdin....	Flower pots.....	9 15
96	"	27 George Ely.....	Blacksmithing.....	24 20
97	"	27 Prof. A. P. S. Stuart....	Salary, April.....	166 66
98	"	27 Prof. S. W. Robinson....	" ".....	166 66
99	"	27 Prof. T. J. Burrill.....	" ".....	150 00
100	"	27 Prof. S. W. Shattuck....	" ".....	150 00
101	"	27 Prof. E. Snyder.....	" ".....	150 00
102	"	27 Jas Bellangee.....	" ".....	83 33
103	"	27 H. M. Douglass.....	" ".....	83 33
104	"	27 R. B. Wa der.....	" ".....	33 33
105	"	27 J. S. Searfoss.....	" ".....	83 33
106	"	27 Thos. Franks.....	" ".....	75 00
107	"	27 H. K. Vickroy.....	" ".....	83 33
108	"	27 G. S. Upstone.....	" ".....	60 00
109	"	27 Patrick Lamb.....	" ".....	40 00
110	"	27 J. M. Gregory.....	" ".....	333 33
111	"	28 American Express Co....	Express on books.....	11 75
112	"	28 Purdy & Hance.....	Bill of small fruit.....	19 05
113	May	2 W. F. Bliss.....	Salary, May.....	166 66
114	"	2 G. S. Upstone.....	Wages of farm hands.....	57 10
115	"	2 " ".....	Board of farm hands.....	41 53
116	"	2 J. B. Phinney.....	Seed corn.....	20 00
117	"	2 American Express Co....	Express on grapes.....	12 05
118	"	2 Nicolet & Schoff.....	Printing 5,000 Regent's report.....	131 90
119	"	2 E. Snyder.....	Payment students labor.....	500 53
120	"	3 Samuel Edwards.....	Bill of trees.....	425 25
121	"	3 A. H. Bridgman.....	Books for library.....	5 00

Statement—Continued.

No.	Date.	To whom.	For what.	Amount.
122	May 3	Champaign Gas Company	Gas for April.....	\$11 20
123	" 3	Bicknell & Co.....	Books for library.....	27 00
124	" 3	Nash & Fleming.....	Sand for green house.....	22 75
125	" 3	H. K. Vickroy.....	Petty expense.....	14 18
126	" 3	T. J. Burrill.....	" ".....	9 10
127	" 3	H. K. Hosford.....	Lanterns, globes, chimneys.....	7 00
128	" 3	W. H. Merritt.....	Work for April.....	34 65
129	" 7	J. Blakesley.....	" ".....	31 10
130	" 7	J. Bellangee.....	Expense on plans for barns.....	6 50
131	" 9	A. Thomson.....	Salary for April.....	83 33
132	" 12	J. H. Pickrell.....	Board expenses.....	7 05
133	" 12	M. C. Goltra.....	" ".....	10 09
134	" 12	P. R. Wright.....	" ".....	22 20
135	" 13	J. M. Gregory.....	Salary, May.....	333 33
136	" 13	" ".....	Balance on bill of books.....	12 12
137	" 13	S. W. Shattuck.....	Salary, May.....	150 00
138	" 13	Park & Royer.....	Lumber.....	19 87
139	" 13	E. Snyder.....	Petty expense.....	40 00
140	" 13	W. C. Flagg.....	Corresponding Secretary's salary.....	50 00
141	" 13	E. Snyder.....	Contingent fund.....	75 00
142	" 13	T. Franks.....	Petty expense.....	9 85
143	"	(Destroyed).....	" ".....	" ".....
144	May 16	J. E. Cantrell.....	Material for wagon.....	70 00
145	" 16	Jos. McCorkle.....	Hardware.....	13 34
146	" 16	G. S. Upstone.....	Petty expense.....	4 80
147	" 16	Nash & Fleming.....	Three yards of sand.....	5 25
148	" 16	Beach & Co.....	Coal.....	21 25
149	" 16	Union Coal Company.....	Two cars coal.....	30 00
150	" 16	A. Thomson.....	Salary, March 10th to 31st.....	55 55
151	" 16	M. E. Lapham.....	Lime and stone.....	17 51
152	" 16	Hall, Kimbark, & Co.....	Machinery.....	39 65
153	" 16	T. J. Burrill.....	Specimens for cabinet.....	4 45
154	" 16	Fuller, Finch & Fuller.....	Paint, glass and alcohol.....	24 79
155	" 16	S. Edwards.....	Bill of trees.....	35 10
156	" 16	J. S. Sherman.....	5,000 apple stocks.....	25 00
157	" 16	Store, Harrison & Co.....	6,000 chestnuts.....	61 50
158	" 16	W. A. Nourse.....	White ash seedlings.....	50 00
159	" 16	J. M. Gregory.....	Books for library.....	427 50
160	" 20	H. Shepherd.....	15,000 brick.....	165 00
161	" 20	Jas. Rolfe.....	Mason work on green house.....	232 94
162	" 20	J. W. Boatman & Co.....	14,500 Osage orange plants.....	29 00
163	" 27	N. W. Fire Extingu'er Co	Three Babcock extinguishers.....	132 05
164	" 27	J. M. Gregory.....	Petty expense.....	23 20
165	" 31	W. M. Baker.....	Salary for May.....	166 66
166	" 31	A. P. S. Stuart.....	" ".....	166 66
167	" 31	S. W. Robinson.....	" ".....	166 66
168	" 31	T. J. Burrill.....	" ".....	150 00
169	" 31	E. Snyder.....	" ".....	150 00
170	" 31	J. Bellangee.....	" ".....	83 33
171	" 31	R. B. Warder.....	" ".....	83 33
172	" 31	H. M. Douglass.....	" ".....	83 33
173	" 31	A. Thomson.....	" ".....	83 33
174	" 31	J. S. Searfoss.....	" ".....	83 33
175	" 31	H. K. Vickroy.....	" ".....	83 33
176	" 31	Thos. Franks.....	" ".....	75 00
177	" 31	G. S. Upstone.....	" ".....	60 00
178	" 31	Pat. Lamb.....	" ".....	40 00
179	" 31	G. S. Upstone.....	Payment of farm labor.....	69 24
180	" 31	" ".....	Board of farm laborers.....	61 60
181	" 31	Jas. Blakesley.....	Work on gardens.....	32 25
182	" 31	W. H. Merritt.....	" ".....	36 00

Statement—Continued.

No.	Date.	To whom.	For what.	Amount.
183	May 31	E. V. Peterson.....	Books for library.....	\$441 27
184	June 7	A. P. S. Stuart.....	Salary, June, July, August....	500 00
185	" 7	R. B. Warder.....	" " " " " " " " " " " "	100 00
186	" 7	E. Snyder.....	Payment students labor.....	493 60
187	" 7	W. F. Bliss.....	Salary, June, July, August....	500 00
188	" 7	W. M. Baker.....	" " " " " " " " " " " "	500 00
189	" 7	S. W. Shattuck.....	" " " " " " " " " " " "	450 00
190	" 7	A. M. Brown.....	Expenses to meeting.....	29 40
191	" 7	P. R. Wright.....	" " " " " " " " " " " "	24 75
192	" 7	M. C. Goltra.....	" " " " " " " " " " " "	10 00
193	" 7	T. J. Burrill.....	Salary, June, July, August....	450 00
194	" 7	E. Snyder.....	" " " " " " " " " " " "	450 00
195	" 7	J. Bellangee.....	" " " " " " " " " " " "	250 00
196	" 7	C. Sullivan.....	Excavating barn cellar....	200 00
197	" 7	Fuller, Finch & Fuller..	Oil and paints for barns.....	63 33
198	" 7	C. G. Larned.....	Hardware and repairs.....	40 42
199	" 7	C. F. A. Hinrichs.....	Insect pins for cabinet.....	5 20
200	" 7	A. S. Davies.....	Double shovel plow.....	6 00
201	" 7	Chaddon & Hesse.....	Sawing timber for barn.....	10 36
202	" 7	David Ford.....	Castings for engine.....	2 42
203	" 8	Hovey & Co.....	Bluegrass seed.....	2 25
204	" 8	Angle & Sabine.....	Seed and Tile.....	23 75
205	" 8	Champaign Gas Company	Gas for June.....	2 80
206	" 8	F. M. & A. Avey.....	Blacksmithing.....	10 30
207	" 8	E. V. Peterson.....	Stationery, crayons, etc.....	16 70
208	" 8	H. M. Douglass.....	Salary, June, July, August....	250 00
209	" 8	T. J. Burrill.....	Petty expense.....	21 10
210	" 8	E. Snyder.....	" " " " " " " " " " " "	56 55
211	" 8	S. W. Robinson.....	Salary, June, July, August....	500 00
212	" 8	Dr. J. M. Gregory.....	" " " " " " " " " " " "	1,000 00
213	" 8	Patrick Lamb.....	Wages for 11 days.....	14 70
214	" 12	J. R. Harris.....	Two horses.....	350 00
215	" 14	J. Bellangee.....	Work on farm cistern.....	7 15
216	" 21	W. H. Crayne.....	Work in shop.....	28 13
217	" 21	Wicks & Watson.....	Hauling stone.....	50 00
218	" 24	W. Dowell.....	Painting on barn.....	13 70
219	" 27	O. W. Hammond.....	Work in shop.....	23 25
220	" 30	Harry Cleveland.....	Work on farm barn.....	10 33
221	" 30	John Crawley.....	" " " " " " " " " " " "	10 45
222	" 30	H. E. Robbins.....	Work on models.....	21 25
223	" 30	Rudolf Jeorg.....	" " " " " " " " " " " "	10 37
224	" 30	N. C. Ricker.....	Work on green house.....	30 25
225	" 30	J. E. Cantrell.....	Balance for wagon.....	70 00
226	July 1	Wilson Dowell.....	Work in shop.....	27 48
227	" 1	W. H. Crayne.....	" " " " " " " " " " " "	21 94
228	" 1	J. A. Ockerson.....	" " " " " " " " " " " "	19 50
229	" 1	H. V. Moore.....	Barrels and jars.....	7 32
230	" 1	G. S. Upstone.....	Payment of day laborers.....	12 26
231	" 1	" " " " " " " " " " " "	Payment of farm hands.....	88 90
232	" 1	" " " " " " " " " " " "	Board of farm hands.....	80 51
233	" 1	J. S. Searfoss.....	Salary for June.....	83 33
234	" 1	A. Thomson.....	" " " " " " " " " " " "	83 33
235	" 1	H. K. Vickroy.....	" " " " " " " " " " " "	83 33
236	" 1	Thos. Franks.....	" " " " " " " " " " " "	75 00
237	" 1	G. S. Upstone.....	" " " " " " " " " " " "	60 00
238	" 1	R. Peacock.....	Lumber for barn.....	1,000 00
239	" 1	Jas. Blakesley.....	Work on gardens.....	33 50
240	" 1	Jas. C. Craver.....	" " " " " " " " " " " "	26 90
241	" 1	M. B. Burwash.....	" " " " " " " " " " " "	26 90
242	" 2	C. D. Hays.....	Work in gardens June.....	24 25
243	" 2	T. J. Sloan.....	" " " " " " " " " " " "	26 93

Statement—Continued.

No.	Date.	To whom.	For what.	Amount.
244	July 2	W. H. Merritt.....	Work in gardens, June	\$34 61
245	" 6	E. V. Peterson.....	Books for library.....	225 00
246	" 6	M. C. Goltra.....	Expenses to meeting.....	10 00
247	" 6	A. M. Brown.....	" ".....	25 51
248	" 6	P. R. Wright.....	" ".....	23 00
249	" 6	Johnston, Huntley & Co.	Agricultural implement	4 05
250	" 6	Ellwanger & Barry... ..	Grapes	32 75
251	" 6	David M. Ford	Castings for engine	3 63
252	" 6	Kankakee Stone & L'ie Co	Lime and cement.....	102 00
253	" 6	Larrabee & North.....	Tools and materials	23 04
254	" 6	G. E. Hessel.....	Harness and repairs	77 85
255	" 6	M. E. Lapham & Co.....	Thirty cars of stone	420 00
256	" 6	J. M. Gregory.....	Traveling expense	19 45
257	" 6	Union Coal Company....	One car of coal	15 00
258	" 6	F. M. & A. Avey.....	Blacksmithing.....	16 25
259	" 6	E. Snyder.....	Petty expense.....	68 71
260	" 6	Angle & Sabine.....	Wagon bed, pump, &c	31 60
261	" 6	Fuller, Finch & Fuller...	Paint brushes	4 76
262	" 6	J. H. Pickrell.....	Expense to meeting.....	7 55
263	" 8	H. Shepherd.....	33,585 brick	395 85
264	" 8	W. H. Crayne.....	Work in shop.....	6 75
265	" 8	D. Wicks & Walton....	Hauling for barns	80 00
266	" 8	E. Fryer.....	Mason work	200 00
267	" 11	Illinois Central R. R. Co.	Back freights	28 96
268	" 11	Hon. E. Rummel	Packing expenses for catalogue.....	6 50
269	" 12	D. M. Ford	Three way cocks for engine.....	4 00
270	" 12	W. Parritt.....	Piping for engine	3 00
271	" 12	Flynn & Scroggs.....	Advertising and printing	7 75
272	" 12	Wicks & Watson	Hauling for barn.....	16 50
273	" 23	Ebenezer Fryer.....	Mason work	400 00
274	" 23	Patrick Lamb.....	Work at first barn.....	49 00
275	" 23	J. Bellangee.....	Petty expenses.....	7 50
276	" 23	D. Owens	Digging cellar.....	50 00
277	" 26	H. M. Douglass.....	Books for library.....	16 50
278	" 26	T. Collins	Digging wells	24 00
279	" 26	John Furst	Hauling stone	20 00
280	" 27	J. S. Searfoss.....	Salary, July.....	83 33
281	" 27	P. Packard.....	Hauling stone.....	12 00
282	" 27	Wicks & Watson.....	" ".....	96 28
283	" 27	Patrick Lamb.....	Work at shop.....	10 00
284	" 27	A. Herbert.....	Digging cistern	43 00
285	" 27	H. Cleveland.....	Work on Experimental farm.....	14 00
286	August 1	G. S. Upstone.....	Payment of farm hands.....	305 26
287	" 1	G. S. Upstone.....	Petty expense.....	17 25
288	" 1	G. S. Upstone.....	Board of farm hands.....	159 85
289	" 1	D. Owens.....	Mason work	100 00
290	" 1	John Furst	Hauling stone	30 00
291	" 1	J. H. McKinzie	Hauling sand.....	5 97
292	" 1	Jacob McKinzie.....	22½ yards sand.....	19 33
293	" 1	George Eli	Iron for braces.....	11 18
294	" 1	James Bellangee	Salary as Superintendent....	100 00
295	" 1	J. W. Bunn	Draft on London	306 60
296	" 1	H. N. Holden.....	Wood and material.....	38 30
297	" 1	M. E. Lapham & Co.....	Lime and stone	309 90
298	" 1	W. M. & J. F. Olcott....	Thirty tons hard coal.....	270 00
299	" 1	J. N. Wharton	Work in shop.....	20 50
300	" 1	J. H. Pancake	" ".....	10 00
301	" 1	W. Moses	Digging well.....	8 00
302	" 1	J. A. Ockerson.....	Carpenter work	37 50
303	" 1	O. W. Hammond.....	" ".....	43 50
304	" 1	H. E. Robbins	Work in shop.....	29 62

Statement—Continued.

No.	Date.	To whom.	For what.	Amount.
305	August 1	N. C. Ricker.....	Work in shop.....	\$68 75
306	"	1 W. Dowell	Painting	18 00
307	"	1 Larrabee & North	Tools and materials	16 89
308	"	1 Fuller, Finch & Fuller	Lead and putty	17 38
309	"	1 Johnston, Huntley & Co	Agricultural implements	17 70
310	"	1 Trevitt & Green	Hardware	60 24
311	"	1 Thomas Franks	Salary, July	75 00
312	"	1 H. K. Vickroy	" "	83 33
313	"	1 G. S. Upstone	" "	60 00
314	"	2 J. J. Crawley	Work at barn	13 02
315	"	2 T. J. Sloan	Work in orchard	35 00
316	"	2 W. H. Merritt	" "	36 00
317	"	2 A. L. Rader	" "	6 75
318	"	2 C. S. Emerson	" "	14 25
319	"	2 A. Thomson	Salary, July	83 33
320	"	3 F. M. & A. Avey	Blacksmithing	28 48
321	"	3 J. C. Craver	Work in garden	35 00
322	"	3 M. J. Blakesley	" "	29 10
323	"	3 M. B. Burwash	" "	35 00
324	"	3 C. I. Hays	" "	30 00
325	"	3 Jas. Cunningham	Barn foundation	10 00
326	"	5 C. W. Ashby	Work on barn	8 12
327	"	5 D. Owens	Mason work	75 00
328	"	5 T. Collins	Digging well	14 00
329	"	5 E. Friar	Mason work	100 00
330	"	5 V. Moses	Work at barns	21 00
331	"	5 J. Furst	Hauling stone	25 00
332	"	13 J. French	Carpenter work	22 00
333	"	13 D. Owens	Mason work	65 00
334	"	13 Dickinson & Collier	Carpenter work	500 00
335	"	13 J. Dick	Mason work	6 00
336	"	15 W. Parrit	Carpenter work	21 00
337	"	15 J. Burt	Threshing and reaping	30 50
338	"	15 Pat. Lamb	Work at barns	28 25
339	"	15 R. B. Musson	Plastering	23 50
340	"	16 W. Dowell	Painting	10 00
341	"	16 A. S. Barnes & Co	Freights on books	19 31
342	"	16 Fuller, Finch & Fuller	Glass for greenhouse	61 85
343	"	16 S. Hook	Teaming	22 00
344	"	20 D. Owens	Mason work	50 00
345	"	20 J. French	Carpenter work	16 50
346	"	23 D. Owens	Mason work	50 00
347	"	25 A. M. Brown	Board expense	28 90
348	"	25 P. R. Wright	" "	24 75
349	"	25 M. C. Goltra	" "	12 00
350	"	25 L. W. Lawrence	" "	26 00
351	"	26 Dodson & Hodges	Hardware	52 05
352	"	26 Johnston, Huntley & Co	Implements and repairs	2 55
353	"	26 Fuller, Finch & Fuller	Paints	34 13
354	"	26 Fuller, Finch & Fuller	"	101 62
355	"	26 W. A. James & Co	Crucibles	2 40
356	"	26 J. H. Detmers	Traveling expense	7 55
357	"	26 T. J. Burrill	Petty expense	12 75
358	"	26 D. Van Nostrand	Books for laboratory	130 65
359	"	26 B. Westerman & Co	" "	52 05
360	"	26 D. Van Nostrand	" "	12 23
361	"	26 American Express Co	" "	4 00
362	"	27 J. Knowlen	Work on barn	2 50
363	"	27 Pat. Lamb	" "	14 00
364	"	27 W. H. Silva	Hauling	26 58
365	"	27 E. Snyder	Petty expense	98 73

Statement—Continued.

No.	Date.	To whom.	For what.	Amount.
366	Aug. 27	Trevitt & Green.....	Hardware	\$178 91
367	" 30	C. G. Larned.....	Guttering and roofing.....	88 99
368	" 30	M. E. Lapham & Co.....	Stone and lime	78 85
369	" 30	Thos. Franks.....	Salary, August.....	75 00
370	" 30	G. H. Pancake.....	Work on models.....	10 00
371	" 30	H. E. Robbins.....	" "	36 00
372	" 30	J. E. Cantrell.....	" "	25 00
373	Sept. 1	G. S. Upstone.....	Petty expenses.....	4 00
374	" 1	" "	Board of farm hands.....	115 00
375	" 1	" "	Payment of farm hands.....	147 31
376	" 1	" "	Salary, August.....	60 00
377	" 1	J. S. Searfoss.....	" "	83 33
378	" 1	H. K. Vickroy.....	" "	83 33
379	" 1	A. Thomson.....	" "	83 33
380	" 1	Walker Brothers.....	Turning, etc.....	13 25
381	" 1	W. Dowell.....	Painting and glazing.....	56 00
382	" 1	G. R. Pfeiffer.....	Books on veterinary surgery.....	12 00
383	" 1	N. C. Ricker.....	Carpenter work	68 75
384	" 3	J. Q. Smith.....	5,500 feet oak plank.....	110 00
385	" 3	Webster, Davies & Dunbar	Lime and cement	240 50
386	" 3	R. Warder.....	Work in orchard	1 00
387	" 3	W. H. Merritt.....	Work in garden.....	33 23
388	" 3	T. J. Sloan.....	Work in orchards.....	32 31
389	" 3	J. C. Craver.....	Work in garden.....	35 00
390	" 3	C. I. Hays.....	" "	30 00
391	" 3	M. B. Burwash.....	" "	35 00
392	" 3	J. Blakesley.....	" "	33 50
393	" 3	J. K. French.....	Carpenters work	35 75
394	" 5	Flynn & Scroggs.....	Printing and advertising.....	24 50
395	" 5	A. N. Kellogg.....	Advertising	100 00
396	" 5	R. Peacock.....	Lumber.....	1,500 00
397	" 5	H. N. Holden.....	Material	10 58
398	" 5	Hulburd, Herrick & Co.	Window bolts.....	6 50
399	" 6	W. Parritt.....	Carpenter work.....	21 00
400	" 6	E. Lynch.....	" "	9 45
401	" 6	Fuller, Finch & Fuller	Paints.....	40 18
402	" 6	F. W. Satterlee.....	Whitewashing.....	100 00
403	" 6	J. W. Bunn.....	Draft for books.....	230 00
404	" 6	Dickerson & Collier.....	Carpenter work	500 00
405	" 6	F. M. & A. Avey.....	Blacksmithing	17 00
406	" 7	O. W. Hammond.....	Carpenter work	54 00
407	" 7	J. M. Gregory.....	Salary, September.....	333 33
408	" 10	G. S. Upstone.....	Threshing.....	105 50
409	" 10	D. Owens.....	Mason work	100 00
410	" 12	J. N. Wharton.....	Work on models.....	47 82
411	" 12	Harry Cleveland.....	Work at barns.....	56 00
412	" 14	J. Teeple.....	Work in shop, etc.....	44 60
413	" 14	N. C. Ricker.....	Carpenter work	11 75
414	" 14	J. A. Ockerson.....	" "	82 00
415	" 14	W. Dowell.....	Painting.....	25 00
416	" 14	E. Snyder.....	Payment for scrubbing.....	73 75
417	" 14	S. Hook.....	Teaming.....	42 30
418	" 14	Fuller, Finch & Fuller	Glass	11 93
419	" 14	Nicolet & Schoff.....	Printing.....	14 00
420	" 14	George Eli.....	Blacksmithing.....	18 95
421	" 15	J. E. Cantrell.....	Work in shop	54 50
422	" 16	D. Owens.....	Mason Work.....	237 80
423	" 16	T. J. Burrill.....	Traveling expense.....	7 30
424	" 16	H. L. Town.....	Stove and furniture.....	14 70
425	" 16	C. I. Hays.....	Work in garden.....	10 35
426	" 16	J. T. Wier.....	Plastering.....	46 20

Statement—Continued.

No.	Date.	To whom.	For what.	Amount.
427	Sept. 17	J. F. Luhme.....	Chemicals	\$64 62
428	" 17	T. J. Sloan.....	Work on orchards	8 70
429	" 17	R. Peacock.....	Lumber.....	1,800 00
430	" 17	Flynn & Scroggs.....	Printing.....	44 50
431	" 19	Wilson Dowell.....	Painting.....	36 00
432	" 19	Walworth, Twohig & Furse	Boiler and pipes	1,000 00
433	" 23	J. H. Pickrell.....	Board expense.....	16 55
434	" 23	A. M. Brown.....	"	29 40
435	" 23	H. Shepherd.....	31,082 brick.....	310 82
436	" 24	E. Snyder.....	Petty expense.....	90 61
437	" 24	C. S. Emerson.....	Work in orchards	15 00
438	" 24	D. Owens.....	Furnace flue.....	30 00
439	" 24	N. C. Ricker.....	Moulding	10 59
440	" 24	Hon. N. Bateman.....	Board expense	33 63
441	" 24	J. S. Searfoss.....	Salary, September.....	83 33
442	Oct. 1	E. Friar.....	Mason work.....	290 98
443	" 1	Jas. Bellangee.....	Salary, September, and as Superintend't	183 33
444	" 1	S. W. Shattuck.....	"	150 00
445	" 1	D. Owens.....	Mason work	110 62
446	" 1	A. P. S. Stuart.....	Salary, September.....	166 66
447	" 1	H. M. Douglass.....	"	83 33
448	" 1	R. B. Warder.....	"	50 00
449	" 1	H. J. Detmers.....	"	100 00
450	" 1	I. D. Foulon.....	"	50 00
451	" 1	T. J. Burrill.....	"	150 00
452	" 1	H. K. Vickroy.....	"	83 33
453	" 1	Pat. Lamb.....	Work at barn and building.....	52 53
454	" 1	A. Thomson.....	Salary, September.....	83 33
455	" 1	G. S. Upstone.....	Petty expense.....	19 45
456	" 1	"	Pay of farm hands	65 16
457	" 1	"	Board of farm hands.....	81 69
458	" 1	"	Salary, September.....	60 00
459	" 1	S. W. Robinson.....	"	166 66
460	" 1	Rudolph Jeorg.....	Work on farm	51 06
461	" 1	Wm. M. Baker.....	Salary, September.....	166 66
462	" 1	W. H. Merritt.....	Work on orchard.....	31 85
463	" 1	Emory Cobb.....	Board expense.....	12 00
464	" 6	A. Herbert.....	Digging well.....	23 50
465	" 6	E. A. Robinson.....	Work in shop	34 50
466	" 6	J. C. Craver.....	Work in orchards	14 85
467	" 6	M. B. Burwash.....	"	12 15
468	" 6	J. Blakesley.....	"	19 18
469	" 6	T. Franks.....	Salary, September	75 00
470	" 8	J. Wilkinson.....	Teaming.....	13 50
471	" 8	Avey & Neff.....	Blacksmithing.....	7 16
472	" 8	R. Peacock.....	Lumber on account.....	300 00
473	" 8	E. Snyder.....	Salary, September.....	150 00
474	" 11	J. Bellangee.....	Petty expenses.....	9 00
475	" 11	W. M. Baker.....	Books for library	14 00
476	" 11	Angle & Sabine.....	Implements and tile.....	67 82
477	" 12	J. W. Bunn.....	Payment for chemical apparatus.....	639 70
478	" 12	"	Taxes on lands	1,463 89
479	" 12	G. E. Hessel.....	Harness and beltings	80 50
480	" 12	Nash & Fleming.....	Sand and gravel.....	244 25
481	" 13	A. Jewell.....	Timothy seed.....	54 12
482	" 13	Illinois Central R. E. Co.	Back freights.....	32 90
483	" 13	J. E. Cantrell.....	Work in shop.....	50 00
484	" 13	Dickinson & Collier.....	Carpenter work	500 00
485	" 15	J. M. Gregory.....	Salary, October.....	333 33
486	" 15	H. E. Robbins.....	Expense to State Fair	11 15
487	" 15	D. Owens.....	Mason work on barn	42 80

Statement—Continued.

No.	Date.	To whom.	For what.	Amount.
488	Oct. 15	A. L. Rader	Work on building	\$17 75
489	" 18	D. M. Ford	Fire brick and castings ..	23 75
490	" 18	Larrabee & North	One sheet of brass	7 65
491	" 18	E. V. Peterson	Books	103 81
492	" 18	" "	20,000 brick	180 00
493	" 24	J. Wilkinson	Work on orchards	8 25
494	" 24	Heislar & Coler	One manure fork	1 50
495	" 24	H. Peddicord	Lime and cement	24 25
496	" 24	Palmer, Fuller & Co	Doors and sash	56 75
497	" 24	Walker Bro's	Mouldings	135 48
498	" 24	Beidler & Kratz	Lumber and lime	219 31
499	" 24	O. W. Hammond	Carpenter work	21 00
500	" 24	J. McKinzie	Sand	28 80
501	" 31	W. M. Baker	Salary, October	166 66
502	" 31	A. P. S. Stuart	" "	166 66
503	" 31	S. W. Robinson	" "	166 66
504	" 31	T. J. Burrill	" "	150 00
505	" 31	S. W. Shattuck	" "	150 00
506	" 31	E. Snyder	" "	150 00
507	" 31	J. Bellangee	" "	83 33
508	" 31	H. M. Douglass	" "	83 33
509	" 31	H. J. Detmers	" "	100 00
510	" 31	R. B. Warder	" "	50 00
511	" 31	I. D. Foulon	" "	50 00
512	" 31	Pat. Lamb	Wages, October	35 00
513	" 31	J. S. Searfoss	Salary, October	83 33
514	" 31	A. Thomson	" "	83 33
515	" 31	H. K. Vickroy	" "	83 33
516	" 31	T. Franks	" "	75 00
517	" 31	G. S. Upstone	" "	60 00
518	" 31	Dickerson & Collier	Carpenter work	127 87
519	" 31	Wilson Dowell	Painting	25 00
520	" 31	R. Peacock	Lumber	385 97
521	Nov. 1	G. S. Upstone	Farm labor, etc	245 52
522	" 3	Fuller, Finch & Fuller	Glass and paint	93 71
523	" 3	A. S. Barnes & Co	Freight and duties	53 18
524	" 3	Peterson & Turnell	3,625 brick	32 62
525	" 3	James Wick	Bulbs and seeds	17 87
526	" 3	W. H. Wisegarner	Threshing	17 55
527	" 3	S. Dunlap	Work on orchard	16 65
528	" 3	E. Snyder	Payment of students	557 61
529	" 3	D. M. Ford	Boiler and pipes	126 04
530	" 3	J. Pancake	1,185 feet maple	35 52
531	" 3	J. Blakesley	One month's work	19 40
532	" 5	E. V. Peterson	Books	87 95
533	" 5	Dickerson & Collier	Carpenter work	500 00
534	" 5	Becker & Son	Chemical apparatus	129 46
535	" 7	J. T. Wier	Plastering	100 00
536	" 7	Union Coal Company	Three cars coal	51 00
537	" 9	D. Owens	Mason work	56 92
538	" 9	M. C. Goltra	Board expense	10 00
539	" 9	P. R. Wright	" "	26 65
540	" 9	J. H. Pickrell	" "	6 80
541	" 9	L. W. Lawrence	" "	24 80
542	" 9	A. M. Brown	" "	29 40
543	" 12	Union Coal Company	Twenty tons coal	37 00
544	" 12	H. Swanell	Paints and glass	62 11
545	" 12	Angle & Sabine	Draining tile	52 85
546	" 12	Walworth, Twohig & Furse	Iron pipes	146 04
547	" 12	Earth Closet Company	One ash commode	25 00
548	" 12	A. J. Bicknell	Books	67 50

Statement—Continued.

No.	Date.	To whom.	For what.	Amount.
549	Nov. 12	W. Parritt.....	Gas fixtures.....	\$22 00
550	" 12	W. Sim & Bro.....	Paints.....	72 75
551	" 12	J. McKinzie.....	Sand.....	12 75
552	" 12	A. P. S. Stuart.....	Expense for laboratory.....	33 28
553	" 14	W. C. Flagg.....	Salary Corresponding Secretary.....	200 00
554	" 14	Republic Insurance Co.....	Insurance.....	75 00
555	" 14	J. M. Gregory.....	Incidental expense.....	34 15
556	" 14	W. Dowell.....	Painting.....	50 00
557	" 14	E. Snyder.....	Petty expense.....	38 65
558	" 14	T. J. Burrill.....	Taxidermist's work.....	8 50
559	" 14	T. S. Hubbard.....	Two kegs nails.....	10 00
560	" 21	Patrick Lamb.....	Wages to date.....	28 00
561	" 21	J. T. Wier.....	Plastering.....	87 50
562	" 21	D. Owens.....	Mason work.....	26 17
563	" 21	G. Eli.....	Blacksmithing.....	13 40
564	" 21	State Journal Company.....	Printing catalogues.....	700 00
565	" 21	C. G. Larned.....	Hardware.....	362 45
566	" 23	J. M. Gregory.....	Salary, November.....	333 33
567	" 23	George Eli.....	Four iron rods.....	49 40
568	" 23	Chaddon & Hesse.....	Windows, transoms.....	38 00
569	" 23	Edgar Sanders.....	Bulbs.....	6 00
570	" 25	Storrs, Harrison & Co.....	Assorted grape vines.....	53 25
571	" 25	Fuller, Finch & Fuller.....	Glass.....	39 05
572	" 25	J. W. Searfoss.....	Work on orchards.....	30 00
573	" 26	S. A. Harvey.....	Walnut lumber.....	25 00
574	" 29	Wm. M. Baker.....	Salary, November.....	166 66
575	" 30	A. P. S. Stuart.....	" ".....	166 66
576	" 30	S. W. Robinson.....	" ".....	166 66
577	" 30	H. Roughton.....	Iron pipes.....	86 00
578	" 30	S. W. Shattuck.....	Salary, November.....	150 00
579	" 30	T. J. Burrill.....	" ".....	150 00
580	" 30	E. Snyder.....	" ".....	150 00
581	" 30	J. Bellangee.....	" ".....	83 33
582	" 30	H. M. Douglass.....	" ".....	83 33
583	" 30	H. J. Detmers.....	" ".....	100 00
584	" 30	R. B. Warder.....	" ".....	50 00
585	" 30	A. Thomson.....	" ".....	83 33
586	" 30	I. D. Foulon.....	" ".....	50 00
587	" 30	J. S. Searfoss.....	" ".....	83 33
588	" 30	H. K. Vickroy.....	" ".....	83 33
589	" 30	Thos. Franks.....	" ".....	75 00
590	" 30	G. S. Upstone.....	" ".....	60 00
591	" 30	" ".....	Pay and board of hands.....	163 07
592	Dec. 1	David Dunlap.....	Work on orchard.....	30 00
593	" 1	H. M. Clark.....	Drain tile.....	59 50
594	" 1	S. A. Harvey.....	Lumber.....	64 15
595	" 5	J. T. Wier.....	Plastering.....	40 00
596	" 6	Peabody, Ayres & Dean.....	Iron pipes.....	339 54
597	" 7	S. W. Robinson.....	Expenses Mechanical department.....	20 20
598	" 8	M. L. Dunlap.....	Expenses to meeting.....	4 50
599	" 8	" ".....	Making cider and 3 casks.....	24 00
600	" 8	E. Snyder.....	Students labor.....	618 74
601	" 9	Peabody, Ayres & Dean.....	Iron pipes.....	10 35
602	" 10	D. Butterworth.....	Taxidermic work.....	50 80
603	" 10	A. S. Barnes & Co.....	Freight and duties.....	21 55
604	" 12	M. C. Goltra.....	Expense to meeting.....	8 50
605	" 12	J. H. Pickrell.....	" ".....	6 45
606	" 12	P. R. Wright.....	" ".....	21 00
607	" 12	A. M. Brown.....	" ".....	26 40
608	" 13	E. Snyder.....	Petty expense.....	45 05
609	" 13	Palmer, Fuller & Co.....	Sash and windows.....	36 59

Statement—Continued.

No.	Date.	To whom.	For what.	Amount.
610	Dec. 13	Union Coal Company...	Four cars coal	\$80 00
611	" 13	Wm. Price	Painting	210 57
612	" 13	L. Kaufmann	Pear and apple stock	80 00
613	" 13	Webster, Davies & Co ..	Cement and lime	169 75
614	" 13	Trevitt & Green	Hardware	281 50
615	" 13	John Fisher	Flower pots	16 22
616	" 13	L. W. Lawrence	Board expense	23 80
617	" 13	J. M. Gregory	Purchase of cattle	2,308 14
618	" 14	A. Jewell	Expense in buying cattle	15 00
619	" 15	W. Dowell	Painting	34 43
620	" 15	W. J. Foote	700 brick	7 00
621	" 21	J. M. Gregory	Salary, December	333 33
622	" 21	W. M. Baker	" "	166 66
623	" 21	A. P. S. Stuart	" "	166 66
624	" 21	S. W. Robinson	" "	166 66
625	" 21	T. J. Burrill	" "	150 00
626	" 21	S. W. Shattuck	" "	150 00
627	" 21	E. Snyder	" "	150 00
628	" 21	J. Bellangee	" "	83 33
629	" 21	H. M. Douglass	" "	83 33
630	" 21	I. D. Foulon	" "	50 00
631	" 21	R. B. Warder	" "	50 00
632	" 21	H. J. Detmers	" "	100 00
633	" 21	J. S. Searfoss	" "	83 33
634	" 21	A. Thomson	" "	83 33
635	" 21	H. K. Vickroy	" "	83 33
636	" 21	Thos. Franks	" "	75 00
637	" 21	Dickerson & Collier	Carpenter work	668 20
638	" 27	Liverpool Globe Ins. Co ..	Insurance	262 50
639	" 31	J. M. Gregory	20 head of cattle	1,243 88
1871				
640	Jan. 1	G. S. Upstone	Farm expense	84 30
641	" 3	J. O. Smith	Oak lumber	69 40
642	" 4	Frank M. Snyder	Printing labels	5 25
643	" 5	Flynn & Scroggs	" "	29 38
644	" 6	Illinois Central R. R. Co.	Back freights, &c	51 27
645	" 6	E. A. Robinson	Work in shop	41 69
646	" 6	J. T. Wier	Work in orchards	27 12
647	" 6	H. T. Williams	Books	60 00
648	" 6	W. Dowell	Painting	15 00
649	" 7	Gaslight Company	One quarter's gas	64 80
650	" 7	E. Snyder	Students' labor	328 28
651	" 9	Avey & Neff	Blacksmithing	8 25
652	" 10	G. S. Upstone	Salary, December	60 00
653	" 10	N. C. Ricker	Carpenter work	60 65
654	" 10	J. Bishop	Platina tube	47 77
655	" 12	Professor J. B. Turner ..	Expense to lecture	12 00
656	" 12	Parker Earle	" "	6 00
657	" 12	David M. Ford	Castings	11 25
658	" 12	Larrabee & North	Brass and wire	14 89
659	" 12	Dodson & Hodges	Hardware	146 19
660	" 12	Flynn & Scroggs	Binding books	119 50
661	" 12	S. S. Bignall	Force pumps	20 68
662	" 16	C. G. Larned	Hardware	260 28
663	" 19	M. C. Goltra	Board of expense	10 00
664	" 19	A. M. Brown	" "	25 40
665	" 19	J. H. Pickrell	" "	4 20
666	" 19	L. W. Lawrence	" "	25 30
667	" 19	P. R. Wright	" "	24 00
668	" 20	L. A. Parks & Co	Printing for lectures	32 25
669	" 20	Union Coal Company	Four cars coal	80 00

Statement—Continued.

No.	Date.	To whom.	For what.	Amount.
670	Jan. 20	Walker Bros.	Mouldings.	\$36 90
671	" 20	Chaddon & Hesse.	Sash and doors.	10 50
672	" 20	Fuller, Finch & Fuller ..	Paint and glass.	98 14
673	" 20	J. J. Clark.	12 hogs.	121 20
674	" 20	L. C. Garwood.	Keys and waste basket.	6 55
675	" 20	George Eli.	Blacksmithing.	17 38
676	" 20	J. M. Gregory.	Sundry expenses.	25 45
677	" 20	A. P. S. Stuart.	" "	17 24
678	" 20	E. Snyder.	" "	7 52
679	" 20	O. D. Wellmann.	Farm work.	11 54
680	" 20	J. S. Searfoss.	Pay of hands at barn.	11 28
981	" 20	Dr. E. S. Hull.	Lecture.	250 00
682	" 20	B. J. Jillson.	Lecture expense.	28 00
683	" 21	B. J. Jillson.	" "	2 00
684	" 21	Wm. Kennedy.	Gravel.	4 80
685	" 21	J. A. Henderson.	Gutters, gardener's barn.	17 00
686	" 30	S. E. Lane.	Plastering.	4 50
687	" 31	J. F. Luhme & Co.	Chemicals and apparatus.	321 01
688	" 31	A. H. Andrews & Co.	50 gross crayons.	11 50
689	" 31	J. M. Gregory.	Salary, January.	333 33
690	" 31	W. M. Baker.	" "	166 66
691	" 31	A. P. S. Stuart.	" "	166 66
692	" 31	S. W. Robinson.	" "	166 66
693	" 31	T. J. Burrill.	" "	150 00
694	" 31	S. W. Shattuck.	" "	150 00
695	" 31	E. Snyder.	" "	150 00
666	" 31	J. Bellangee.	" "	83 33
697	" 31	H. M. Douglass.	" "	83 33
698	" 31	H. J. Detmers.	" "	100 00
699	" 31	R. B. Warder.	" "	50 00
700	" 31	I. D. Foulon.	" "	50 00
701	" 31	A. Thomson.	" "	83 33
702	" 31	H. K. Vickroy.	" "	83 33
703	" 31	T. Franks.	" "	75 00
704	" 31	J. H. Searfoss.	" "	55 56
705	" 31	E. V. Peterson.	Wall paper, etc.	37 70
706	Feb. 1	G. M. Rice.	Farm expense.	89 45
707	" 2	N. O. Albert.	Work in orchard.	16 12
708	" 2	J. T. Wier.	" "	27 85
709	" 2	A. Herbert.	Digging well.	24 00
710	" 2	G. S. Upstone.	Board of hands, etc.	40 47
711	" 2	G. S. Upstone.	Salary, January.	60 00
712	" 2	M. Miles.	Course of lectures.	175 00
713	" 6	Gaslight Company.	Gas for January.	23 60
714	" 6	M. C. Goltra.	Expenses locating land.	87 40
715	" 9	L. W. Lawrence.	Expenses to meeting.	25 10
716	" 9	J. H. Pickrell.	" "	10 65
717	" 9	M. C. Goltra.	" "	12 00
718	" 9	M. Miles.	Course of lectures.	451 10
719	" 9	E. Snyder.	Students labor.	332 81
720	" 15	N. O. Albert.	Four hogs.	28 00
721	" 15	P. Lochrie.	Advertising sales.	8 00
722	" 15	Johnson Bogardus.	Hay press.	151 00
723	" 28	J. M. Gregory.	Salary, February.	333 37
724	" 28	W. M. Baker.	" "	166 74
725	" 28	A. P. S. Stuart.	" "	166 74
726	" 28	S. W. Robinson.	" "	166 74
727	" 28	T. J. Burrill.	" "	150 00
728	" 28	S. W. Shattuck.	" "	150 00
729	" 28	E. Snyder.	" "	150 00
730	" 28	J. Bellangee.	" "	83 37

Statement—Continued.

No.	Date.	To whom.	For what.	Amount.
731	Feb. 28	H. M. Douglass	Salary, February	\$83 37
732	" 28	H. J. Detmers	" "	100 00
733	" 28	R. B. Warder	" "	50 00
734	" 28	I. D. Foulon	" "	50 00
735	" 28	A. Thomson	" "	83 37
736	" 28	H. K. Vickroy	" "	83 37
737	" 28	T. Franks	" "	75 00
738	" 28	G. M. Rice	Farm expense	100 88
739	" 28	M. Hollister	One hog	11 70
740	" 28	J. Fisher	Flower pots	30 17
741	" 28	Parks & Herbert	Baling hay	42 00
742	" 28	N. O. Albert	Work in orchard	30 00
743	" 28	Union Coal Company ..	60 tons of coal	106 00
744	" 28	J. M. Gregory	Petty expense	44 87
745	" 28	E. Snyder	Students' labor	316 19
746	" 28	Ill. Central R. R. donation	Freights for the year	4,605 78
Total				\$78,933 03

The amount paid for students' labor during the year is \$3,499 82—divided among the departments as follows :

Farm account	\$66 27
Horticultural Department	1,419 53
Mechanical Department	611 23
Library and apparatus	91 26
Building and repairs	74 32
Carpenter shop	600 01
Chemical laboratory	3 40
Steam heating apparatus	118 92
Sundry work	380 79

(Signed,) E. SNYDER.

The report was approved, and referred to the Finance Committee.

Prof. Burrill then read the following

REPORT OF THE HORTICULTURAL DEPARTMENT.

To the Regent of the Industrial University:

During the past year Mr. H. K. Vickroy has remained in charge of the orchards and tree plantations, and has now assumed the charge of the vegetable garden in addition. Mr. Thomas Franks has retained the position of gardener, having in charge the ornamental grounds and green-house. He also had the care of the vegetable garden during the summer. These men have been faithful in the discharge of their duties, and merit the credit due to the practical work of the department. Their further continuance in the respective positions now held by them is hereby recommended. Two men were employed, during the work-

ing season, as teamsters, and occasionally a third was engaged for the same kind of work. One only was retained during the winter. The rest of the labor, which in the aggregate amounted to considerable, has been done by the students, who were arranged in classes and under the direction of a foreman worked about two hours each, every suitable day. Not being otherwise engaged upon Saturdays, many worked all day. The student labor problem is not yet however wholly solved. The organization of regular classes and the gradation of pay according to service rendered, are believed to be steps of progress in the solution, for field labor at least; and with the manifest increasing fidelity and efficiency of the students themselves much hope is entertained of an ultimate favorable result. The labor is popular and often very gladly obtained, a few students paying their entire expenses by their work, and all agreeing as to increased health and vigor of body and mind. But the experiment has proved expensive. More, if not better work could have been obtained by hiring ordinary laborers for the money expended. The distance from the University building, the time lost in various ways, the necessity of hand labor where teams might otherwise be employed, the difficulty always growing out of constant changing of forces and kinds of labor, are some of the obstacles encountered. With more system and better supervision these and other things may possibly be avoided, and student labor be made to pay without cutting down the rate per hour. This has been on an average about ten cents, maximum twelve and a-half.

Upon assuming charge of the department I found one horse team valued at \$150 and one mule team valued at \$357. An additional team of horses was purchased for \$250. One horse from the team first mentioned died of lung fever—the loss \$75—the others are now in good condition and worth fully as much as they were a year ago. Two students, Messrs. Ricker and Cantrell, constructed for the department of Horticulture a spring wagon, which proves to be as good as the best—cost \$140.

In the main, the season was favorable for our crops and work, though the prolonged drouth of the early summer was very trying upon some crops and the newly planted nursery stock and trees.

THE ORCHARD

Has certainly done well. After the hard freeze of October, 1869, the trees were banked with earth, and though the bark has since been found ruptured in some instances, very few have died. Beginning early in the season the necessary pruning has been done and the heads

of trees well shaped. In May and June the trunks were washed with soft soap and water or a solution of sal soda and water, with very evident good results. The latter wash seems best. Vacancies and places previously too wet for planting, have been filled from the nursery. The ground has been plowed toward the trees, and the wet places well ridged up for planting this spring. Corn was planted among the trees and the stalks left standing for winter shelter. The caterpillars of the *Datana ministra*, the Cecropia moth and the Hammond Leaf-tyer, have been quite troublesome, but have been closely watched and nearly subdued.

THE NURSERIES

Are in satisfactory condition. Considering the severe drought of the season, a very small per cent. of the young and newly planted trees have been lost. Those that were heavily mulched did the best. Two thousand White Ash seedlings were not received till May 9th, yet they appear to have grown better than any other trees. Mr. Vickroy considers this tree one of the very best for timber plantations; grows rapidly, valuable for many purposes in 10 to 20 years, and exceedingly valuable in older age.

The following trees were received and put in the nursery for the forest tree plantation :

From Samuel Edwards, Lamoille, Ill.:

Norway Spruce.....	14,000
White Pine.....	8,000
White Willow cuttings.....	8,000
Black Spruce.....	2,000
Hemlock.....	3,000
Tulip.....	3,000
Red Pine.....	425
Black Sugar Maple.....	10,000
Basswood.....	4,000

Robert Douglass & Son, Waukegan, Ill.:

American Arbor-Vitæ.....	250
Red Cedar, (nearly all dead,)..	50

300

W. A. Nourse, Moline, Ill.:

White Ash.....	20,000
Sugar Maple, (white).....	10,000
White Elms.....	6,000

36,000

Ellwanger & Barry, Rochester, N. Y.:

Mahaleb Cherry.....	100
Auger's Quince... ..	100
Pear Stocks.	100

300

From D. B. Wier, Lacon, Ill.:

Silver Maples	7,300	
White Ash.....	600	7,900

From Storrs & Harrison, Painesville, Ohio:

American Chestnut.....	6,000	
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Boatman & Co., Champaign, Ill.:

Osage Orange.....	4,000	
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Catalpa—(grown from seed, presented by Hon. W. C. Flagg)..... 8,000

Total..... 177,725

Arthur Bryant, Jr., Princeton, Ill.:

3 bbls. Black Walnuts, (seed).

2 " White " "

The total number of trees for forest plantation received, and the seedlings of our own growth, will more than balance the number that have died.

During the winter there have been grafted about 400 varieties of pears, averaging about five grafts each, and about 1,500 pears of standard varieties, also about 10,000 apples of standard varieties. The latter were secured mainly for practice by the students.

SHELTER BELTS.

Received from M. L. Dunlap & Sons, Champaign, Ill., 141 Norway Spruce, for west side of apple orchard.

From F. K. Phoenix, Bloomington, Ill., 170 white pine, for south side of horticultural grounds.

The former have done well, the latter not. Trees were ordered from Albany, N. Y., to set in the vacant tenth rows of the apple orchard, but after considerable delay word was obtained that those of proper size could not be furnished. They were to be Norway Spruce, 2 to 3 feet, and were advertised at \$20 per 1,000.

STREET TREES.

From F. K. Phoenix, Bloomington, Ill., 130 white elms. These were set 50 feet apart, 8 feet from hedge, throughout the west side of the Horticultural grounds, and silver maples planted between, the latter to be finally removed.

SMALL FRUITS.

The only variety of fruit obtained was the Wilson Strawberry, of which we had a fair crop from about half an acre. The plan is to establish if possible a few of a number of varieties of small fruits for experiment, comparison, etc., and then plant on a larger scale a few stan-

dard varieties for profit, and by keeping careful accounts, to determine the actual amount realized. For these there have been purchased as follows:

From Purdy & Hance, South Bend, Ind., 11 varieties of grapes, 4 of currants, 14 of raspberries, and 15 of strawberries.

From Elwanger & Barry, Rochester, N. Y., 10 varieties of grapes, 3 of currants, 2 of gooseberries, 4 of raspberries, and 4 of strawberries.

From Storrs, Harrison & Co., Painesville, Ohio, 600 Concord grape vines, 200 Creviling, 100 Delaware, 100 Ives, 50 Clinton, and 50 Catawba, all 1 year old.

VEGETABLE GARDEN.

Crops fair to good, some excellent. The number of varieties of vegetables was great, many of them planted for the purpose of testing the qualities of each, so that considerable information was gained in this particular for future benefit. Financially the experiment was not successful, and probably never can be, excepting with a few crops. For the coming year it is thought best to keep up the large number of varieties, but upon a very small scale, and plant largely of the few paying crops.

Corn—best varieties, from many varieties grown—1, Early Narragansett; planted April 29th; first sold July 15th; 2, Crosby's Early; 3, Stowell's Evergreen.

Cucumbers, best—long green; three varieties planted.

Cabbage—best early varieties; eight varieties grown—1, Early Jersey Wakefield; 2, Early Ox Heart. Best late varieties—1, Marblehead Mammoth; 2, Red Drumhead, (for pickling.)

Carrots—four varieties—Early Scarlet Horn and Early Short Horn, nearly alike, good, early; Improved Orange and Long Orange, similar, good, winter.

Cauliflower—four varieties grown—best, Extra Early Dwarf Erfurt. None headed well.

Lettuce—three varieties grown—Early Curled Silesia, best early; Drumhead, best summer.

Musk Melons—five varieties grown—White Japan, earliest, good; Alton Nutmeg, large, very good; Christina, medium early, good.

Water Melons—five varieties grown—Mountain Sweet, best; Joe Johnson, next best.

Egg Plant—New York Improved and Black Pekin; both good, but no market for them.

Parsnips—four varieties grown—Sutton's Student, best. The Turnip Rooted seeded.

Peas—six early varieties grown—Caractus, earliest and best ; Early Kent and McLean's Little Gem, second best.

Squash—five varieties grown—Bush Scallop, best early ; American Turban, best, late.

Tomatoes—six varieties grown—Alger, Early York and Keyes, all early and good ; Gen. Grant, Fegee and Lester's Perfected, all good late varieties.

Many other less important vegetables were grown, with fair success.

A good barn was erected near the gardener's house. Some of the vegetables in the cellar were frozen during the severe weather of December, the thermometer showing 30 degrees below zero on the morning of the 24th.

About acres of the land devoted to the vegetable garden has been underdrained this year, the labor being done by the students. The drains are three to four feet deep, forty feet apart, and run directly down the slope when practical. No collars, nor substitutes for collars, were used with the tile, and upon examination this spring all the drains are found to be in good working order. The good effect is now easily perceived upon the surface..

GREEN HOUSE AND ORNAMENTAL GROUNDS.

In the latter part of summer the grounds in front of the University were all ablaze with showy plants and flowers, tastefully arranged. The trees have done well, and with the addition of others of different varieties, will ultimately make a fine show. The borers have nearly destroyed the silver maples, planted as street trees. About fifty loads of gravel were added to the walks and roads.

The green house has been completed, and pretty well filled with plants. These are largely bedding plants, taken mostly from the grounds last fall. A large number have been propagated from this original stock. Twenty dollars' worth of new varieties were recently purchased from F. K. Phoenix. A collection from the Michigan Agricultural College have just been received, and others are promised. For these we are to send some that we have. Mr. Henry Shaw, of the Botanical Gardens of St. Louis, consented to send a good collection, but owing to adverse circumstances they have not been received. There are now quite a large lot of choice plants in the green house for sale, from which it is hoped to realize enough to pay a large part of the expenses of this division of our horticultural work. Many citizens express themselves gratified with this opportunity of securing plants, and no doubt is entertained of the chance to sell.

DONATIONS.

Charles Downing, Newburgh, N. Y., about 400 varieties of pear scions.

John Deere, Moline, Ill., subsoil plow.

Hovey & Co., Chicago, Ill., lawn mower.

W. C. Flagg, Moro, Ill., apple trees of 4½ varieties, fruited by him near Alton, Ill.

M. L. Dunlap & Sons, 2 standard apple trees, and 1 Early Richmond cherry, on its own roots.

Princeton Manufacturing Company, one corn stalk cutter.

Dr. Humphrey, Galesburg, Ill., collection of many varieties of apples (fruit).

R. Taylor, Urbana, Ill., 300 currant cuttings.

Mrs. S. T. Chase, Urbana, Ill., 200 gooseberry cuttings.

Respectfully submitted.

T. J. BURRILL.

The Regent read the following—

REPORT FROM THE MECHANICAL DEPARTMENT,

Of the practical work of that Department, from its opening in January, 1870, to March 1st, 1871.

This statement does not include the work of the carpenter shop, which was already in operation, under the care of Mr. J. S. Searfoss when the Mechanical Department was organized for regular instruction. Shop room was provided by adding a second story to the carpenter shop.

It having been deemed advisable to fit up the machine shop as far as practicable by the labor of the Department itself, the main part of its work for several weeks was employed in the manufacture of a steam engine and other working machinery. Mr. Alexander Thompson was appointed as Practical Machinist and Foreman, and his time has been devoted chiefly to the work of practical instruction, except when employed in teaching the class in Railroad Engineering.

The following statement will show the expense of fitting up the shops, including tools purchased, materials and cost of labor :

Boiler, pipe and boiler pumps.....	\$360 90
Engine as first started.....	264 53
Governor and automatic cut off, since put on.....	61 00
Machinists' lathe and chuck.....	235 00
Shafting, vises, drills, bellows and anvil.....	74 46
Saws, chisels, etc., etc., to May 1st....	198 83

Students' labor.....	\$243 08
Lumber for benches and engine bed.....	12 56
Grindstone and heater.....	12 90
Iron work for lathes and saws.....	100 00
Cost of well.....	50 00
Piping, belting, etc.....	23 96
Total cost.....	<u>\$1,637 22</u>

The present estimated value of shop, machinery and appliances which have been added, amounts to \$2,480 26.

The estimated value of the materials, models, and unfinished work in shop, the last comprising two thermometer graduation machines, a chronograph, a lawn mower, and several other machines, amounts to \$440.

After fitting up the shop, the labor of the department was directed chiefly to the manufacture of models and apparatus for the University itself, and in some cases for other parties. It also gave considerable aid to other departments, making and repairing tools and machinery for the gardens and farms, putting up steam heating apparatus for main building, and making and putting up hot water heating apparatus in the green house.

The apparatus and models made for the University cabinet amount to \$425 16. Besides this work, the shop has credits upon various bills for different persons and departments amounting to \$899 38. The total credits are \$3,644 80.

The total amount paid for machinery and materials of all kinds, up to March 1st, 1871, is \$2,364 62.

Amount appropriated to department.....	\$2,400 00
Credit over and above cost.....	1,280 18

Appropriation minus profits.....	<u>\$1,119 82</u>
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(Signed,)

S. W. ROBINSON.

Mr. Pearson, as chairman of the Committee on Nominations, reported back as follows :

Your special Committee on the nomination of Standing Committees would respectfully report the following Committees :

Executive.—Regent, J. H. Pickrell, A. M. Brown, E. Cobb, Goltra, Lawrence, Griggs, Pearson, Cunningham.

Agricultural.—Pickrell, Blackburn, Brown of Sangamon, Harrington and Scott.

Horticultural.—A. M. Brown, Pullen, Galusha, Wright and Edwards.

Finance.—Cobb, Hayes, Griggs, Bowen and Scroggs.

Buildings and Grounds.—Goltra, Van Osdel, Cunningham, Greenleaf and Scott.

Auditing.—Lawrence, Wright, Blackburn, Galusha and Mahan.

By-Laws.—Mahan, Pickard and Anderson.

Faculty and Course of Study.—Regent, Bateman, Pickard, Hayes, Slade and Edwards.

Military.—Brayman, Anderson, Scroggs, Wright and Brown of Sangamon.

Library Cabinet.—Bateman, Slade, Griggs, Pullen and Van Osdel.

Mechanical.—Pearson, Greenleaf, Bowen, Harrington and Goltra.

(Signed,)

JNO. M. PEARSON,

L. W. LAWRENCE.

J. O. CUNNINGHAM.

The report was accepted and adopted.

The Regent then made a statement of the present prospects of appropriations from the State, and the purposes for which they were designed and given.

On motion, the Board adjourned to meet to-morrow, March 15th, at 9 o'clock A. M.
