

MEETING OF THE BOARD, SEPTEMBER 10, 1878.

The Board of Trustees of the Illinois Industrial University met at the University parlors, on Tuesday, September 10th, 1878, at 3:30 p. m.

Present, Messrs. Cobb, Gardner, Mason and McLean.

Absent, Messrs. Brown, Byrd, Pickrell, Sabin, Gillham and Governor Cullom.

A letter from Judge A. M. Brown was read, regretting that court business prevents his attendance.

No quorum being present, the Board adjourned to September 11th, 1878, at 8 a. m.

SECOND DAY.

The Board met as per adjournment.

The same members being present, the Board adjourned to meet at Freeport, on Thursday, the 19th day of September, 1878, at 7 p. m.. at the Brewster House, and the Secretary was instructed to notify absent members of such meeting.

MEETING AT FREEPORT.

The Board of Trustees met at the Brewster House, in Freeport, Illinois, pursuant to adjournment, on Thursday, September 19th, 1878, at 7:30 P. M.

Present, Messrs. Cobb, Gillham, Pickrell, Sabin, Gardner, Mason and McLean, President Cobb in the chair.

The recording secretary being absent, on motion of Mr. Pickrell, John W. Bunn was appointed secretary pro tempore.

On motion of Mr. Sabin, the appropriations from current funds for the six months ending February 28, 1879, were passed. (See page 104.)

On motion of Mr. Gardner, the nomination of Prof. Peabody to the chair of Mechanical Engineering at a salary of \$1,800 per annum, made by Dr. Gregory, was confirmed.

On motion of Mr. McLean, Mr. E. A. Kimball's salary was increased to \$1,200 per annum, commencing September 1st, 1878.

On motion of Mr. Gardner, Mr. F. A. Parson's salary was increased to \$75 per month for twelve months, beginning September 1st, 1878.

 DEATH OF HON. WILLARD C. FLAGG.

Mr. Cobb reported a series of resolutions in relation to the death of Hon. WILLARD C. FLAGG, which were unanimously adopted.

In Memoriam.

—O—

WHEREAS, Our much loved associate and worthy member, WILLARD C. FLAGG, has been removed by the hand of death; therefore

Resolved, That by this event the Illinois Industrial University has been deprived of one of its most faithful friends, who has been prominently identified with it from its infancy, as trustee, corresponding secretary, and superintendent of agricultural experiments, and whose service in every capacity has been marked with high personal integrity and a true appreciation of its interests.

Resolved, That as a member of the Board of Trustees he was ever kind and courteous, and that we recognize in his faithful counsels the principles of justice and right, which were the marked characteristics of his life.

Resolved, That the State of Illinois in his death has lost one of its purest public men and one of its most valuable and self sacrificing citizens.

Resolved, That in his death we feel the loss of a friend, and we do hereby express to his family our most heartfelt sympathy in their great bereavement.

Resolved, That the recording secretary forward a copy of the resolutions, neatly engrossed, to the family of the deceased, and that he set apart a page in our record book, appropriately headed and bordered, as an obituary page in honor of our deceased member, on which these resolutions shall be copied, and that the corresponding secretary have a like page prepared in the current published transactions of the University.

*Appropriations from Current Funds for the six months ending Feb.
28th, 1879.*

Board expenses.....	\$ 300 00	
Salaries—		
Regent.....	1,800 00	
Eight Professors at \$900.....	7,200 00	
Three " at \$750.....	2,250 00	
Two " at \$600.....	1,200 00	
Four Instructors at \$450.....	1,800 00	
Lewellyn.....	360 00	
Pickard \$300, Clark \$300.....	600 00	
Rudy \$210, Wild \$200.....	410 00	
Kimball.....	600 00	
Janitors.....	240 00	
Janitor 2d and 3d.....	360 00	
Assistants.....	300 00	
Choir \$25, library \$115.....	140 00	
Gymnasium.....	50 00	
		\$17,310 00
Fuel and gas light.....		3,000 00
Stationery and printing.....		300 00
Buildings and grounds.....		100 00
Incidental expenses.....		200 00
Furniture and fixtures.....		100 00
Library.....		50 00
Military department.....		50 00
Agricultural department balance.....		1,152 17
Horticultural " ".....		190 52
Chemical " ".....		258 12
Mechanical " ".....		260 68
Architectural " ".....		109 61
Sundries—		
Physical laboratory balance.....		198 55
Cabinets, balance.....		11 44
Architectural department furniture, balance.....		39 00
		\$23,629 09

Hon. J. M. Gregory made the following report, which was received and placed on file :

REGENT'S REPORT.

To the Trustees of the Illinois Industrial University:

GENTLEMEN :

As you are already aware, immediately after your last meeting, and with your consent, I embarked for Europe to serve as one of the commissioners of the United States at the Paris exposition. The results of my observations made in the interests of the state will be duly communicated to the governor in a formal report. You will be pleased to learn that the fame of our university had preceded the exhibit which we sent over, and the exhibit itself was asked for by the eminent men in the jury even before it was known to be there. It attracted much attention, and secured for the University, the award of the gold medal which is, as far as I could ascertain, the only gold medal awarded to any American institution.

I may also state as a result of my summer's observations, an increased confidence in the importance of our work, and in the general excellence of our plans. Scientific education and the application of science to the industrial arts, are commanding more and more the attention and support of the great manufacturing nations, the educational exhibits, and especially those of practical character surpassing those of any former exposition. The Russian technical schools, whose display at

Philadelphia created so great a sensation in the east, have at Paris an exhibition still more magnificent and complete. The technical schools, also, of Belgium, Austria and Switzerland were well represented, but the French exhibit surpassed all others in the volume and variety of the practical work of the students of the several grades and classes of technical schools. We may rest assured that we are none too soon in the field in this great department of education, and that what we have already accomplished should be counted but as the beginning of the vast work which lies before us.

I am too recently returned, having reached home on Saturday evening, to be prepared to state to you more than an outline of the work performed here during the summer. Much of it shows for itself in the beautiful, renovated look of the college building, the good order of the college grounds, and the nearly completed work in the laboratory building. I shall expect to lay before you, from the several departments, reports from the professors in charge of such things as may require your attention.

CHAIR OF MECHANICAL ENGINEERING.

It is with profound regret that I announce to you the resignation, since your last meeting, of Prof. S. W. Robinson, who has so long and ably filled the important chair of mechanical engineering. It is due to those who have served faithfully and efficiently, that some recognition be made of the value of the services rendered, and of our appreciation of their good qualities, as well as of their fidelity and success. Prof. Robinson, though still a young man, has already made a reputation in his department on both sides of the Atlantic, and stands to-day among the recognized authorities in mechanical science. The untiring zeal and energy with which he has worked for the development of the school of mechanical engineering, are too well known to need new testimony. The position that this school occupies in our University is due chiefly to his eminent ability and enthusiasm. It mitigates, if possible, my regret at his loss to know that he will be organizing, elsewhere, another centre of education so important to our country.

Immediately on the receipt of the tidings of Prof. Robinson's resignation, I opened a correspondence in several directions, to secure a competent candidate for the vacant chair. Prof. Shattuck also corresponded with several leading institutions for the same purpose. As a result a large number of candidates have been nominated to us, and in many cases strongly recommended. After as careful a consideration as the limited time would allow, I have concluded to nominate, as in my judgment the best man for the place, Prof. S. H. Peabody, now of the Chicago high school, but formerly professor of engineering in the Massachusetts agricultural college. Prof. Peabody's reputation was formerly well known to the members of our board of trustees when the professorship now in question was tendered to him. His standing as a scholar, his reputation as a teacher, and his eminent ability in the direction required, will go far to maintain without diminution the reputation of the school at the high point already obtained.

Among the candidates for this chair, the case of Prof. H. Herr is worthy of special notice, not alone from the high testimonials which he presents, but also from his peculiar qualifications for the chair of

mining engineering, and if that chair was now to be filled, possibly no better man could be found for the place.

ASSISTANT TEACHERS.

As I nominated to you at your last meeting, and you reappointed assistant teachers for the coming year for nearly all the departments, I need at present only ask to have lodged in the hands of the regent and of the professors in charge, authority to employ any additional instructors which the emergencies of our work may possibly demand. It is impossible to foresee in all cases the amount of work, and we have been accustomed from year to year, to supply temporary deficiencies in our teaching force in this way. We may need an instructor in education, to be paid as heretofore by the fees, and perhaps also in clay modeling and in chemistry. Beyond this I believe that our teaching force will be found adequate, unless the attendance shall largely exceed that of any former year.

SALARIES.

I crave the indulgence of the board in laying before you again the question of salaries. I am not unmindful of the embarrassments which beset the trustees of institutions like this, in the almost universal inadequacy of their funds to the many and diverse wants which press upon them. And I know how willingly the board of trustees would vote ample salaries to capable and faithful instructors. In the case of this University there is an additional reason for economizing in salaries in the increasing demand for additional men to fill chairs not yet provided for: but after all, there is a law of supply and demand which controls college salaries as well as the wages of all labor. If we would have and keep first class men we must pay the market price. The reduction of salaries below the average paid by similar institutions for similar services, exposes us constantly to losses such as that which we have just suffered in the removal of Prof. Robinson. Professors may not resign at once when their salaries are reduced; but each will feel himself at liberty to leave on the first offer of a larger salary, and as every really valuable man is steadily increasing in ripeness and value, we may expect to see one after another removed as fast as their ripened worth becomes known. And on the other hand a low rate of salaries forbids us to go into the market and seek the best men; whenever occasion comes to fill a vacant chair we must necessarily look for cheap men, which means young men without experience or reputation, or older men with but little merit or ability. I feel bound to utter to you my conviction that this University can never be maintained in full standing and power at the present rate of salaries, a rate not only lower than the state universities and other reputable colleges around us, but lower even than is paid at the state Normal schools. I am well aware that a general increase of salaries is impossible without an increase of current income. I feel that I should be wanting in duty if I did not urge on the board early consideration of the several sources from which an increase of funds might be obtained, and the adoption of measures for the restoration of the salaries to the old standard before suffering

other losses in our faculty. I recommend the appointment of a committee to report upon this subject to the board at its next quarterly meeting in December.

SPECIAL CASES.

In connection with this subject of salaries I ask your attention to the following requests for immediate increase:

I. E. C. Kimball, foreman of the machine shop, is now receiving but \$1,000 a year. Mr. K. has proved himself a faithful, capable and efficient officer, and as we must now throw additional responsibility upon him in the instruction of the shop-practice classes, I recommend that his salary be increased to \$100 a month.

II. I repeat my recommendation that the salary of F. A. Parsons be increased to \$1,000 per annum, or at least that the monthly pay of \$75 be continued through the twelve months.

III. As Chas. E. Pickard is now serving his third year, and as his work occupied more than the average time, it seems but reasonable that his salary should be increased to the \$60 per month heretofore paid by the board to the instructors of equal standing.

IV. I wish also to call the attention of the board to the cases of Prof's Crawford and Ricker. These gentlemen have now approved themselves, by several years of increasing usefulness, as good and true men in their respective departments; they have also been called upon for extra service, Prof. Ricker in the case of the shop, and Prof. Crawford in the management of the library. Starting with us as young men, they have risen by faithful efforts to an equality of rank and service with the professors employed before them, and there seems no reason why their salaries should not be raised to the common standard. If it is not possible to make this increase at present, I recommend that these cases be referred to the committee already suggested on the subject of salaries. I refer herewith the communications of Messrs. Kimball, Parsons and Pickard.

ANNUAL REPORTS.

The communication from the corresponding secretary will inform you of the causes of the delay in the appearance of our reports. The board will recollect that under the law of congress, the University is bound to present annual reports instead of biennial ones as required by the state law. It may be wise to call the attention of the coming general assembly to this discrepancy.

STATE APPROPRIATIONS.

As the governor will ask from us a statement of our wants, to lay before the state legislature, it is desirable that steps be taken at an early day to determine the amounts which may be needed from the state for the next two years. There are some other questions which may properly be considered in connection with the legislation to be asked, especially that of the name of the University, a misnomer which has already cost much confusion and the loss of many valuable

students. It was impolitic to give another club to our enemies at the outset of our work, but the character and reputation of the University are now so well established that the rectification of its title cannot create apprehensions or do harm.

MILITARY DEPARTMENT.

The communication of Prof. Dinwiddie, asking you to define his position as teacher of military tactics, will call to your attention the trouble which has come to the military department from the attempt to make a double head, Prof. Snyder retaining command of the battalion while Prof. Dinwiddie holds charge as professor. Whatever may be the merits of the present case, it has become evident that this arrangement ought to be abandoned. As by the new militia law the battalion does not any longer exist as a legal military organization, the office of commandant expires by natural limitation. The simple recognition of this plain fact will at once relieve the situation, and the board will treat the department like all other departments of instruction, and supply such teaching force as they may find best.

J. M. GREGORY, *Regent.*

On motion of Mr. Sabin, the president was authorized to appoint a committee of three on the question of salaries and state appropriations to report at the next regular meeting. The president appointed Messrs. McLean, Gardner and Pickrell as said committee.

On motion of Mr. Pickrell, Dr. Gregory was requested to draw resolution in regard to the resignation of Prof. Robinson, and report same at the next meeting.

John W. Bunn presented his report for the quarter ending August 31st, 1878. The president and treasurer also presented a statement of the investment of the endowment fund, showing the kind of bonds said funds was now in, which was approved and ordered placed on record.

SPRINGFIELD, ILL. Sept. 10th, 1878.

List of Bonds belonging to the Illinois Industrial University.

Champaign county 8 per cent. bonds.....	\$115,000
Morgan county 8 " ".....	25,000
Kankakee county 10 " ".....	30,000
Pike county 10 " ".....	35,000
Sangamon county 10 " ".....	25,000
Sangamon county 8 " ".....	11,000
Douglas county, school district " district No. 3, Township No. 16.....	9,000
Menard county 7 per cent. ".....	10,000
Chicago Water 7 " ".....	25,000
Illinois.....6 " ".....	31,000
Champaign county 10 " ".....	2,000
Balance not invested \$1,178 87.	\$318,000

JOHN W. BUNN, Treasurer.

EMORY COBB, President.

Illinois Industrial University, in acc't with John W. Bunn, Treasurer.

1878.	Dr.		
Aug. 31	To am't paid board expense.....	\$138 81	
31	for salaries.....	7,197 03	
31	buildings and grounds.....	10 97	
31	fuel and lights.....	358 54	
31	stationery and printing.....	256 45	
31	furniture and fixtures.....	4 15	
31	mechanical department.....	4,666 00	
31	architectural.....	1,487 60	
31	agricultural.....	2,521 08	
31	horticultural.....	454 88	
31	chemical.....	138 66	
31	military.....	12 70	
31	library and apparatus.....	3 99	
31	incidental expenses.....	123 97	
31	premium and accrued interest on bonds purchased.....	1,611 00	
31	physical laboratory.....	2 70	\$18,985 63
31	diploma.....	350 00	
31	horse model.....	20 50	
31	preparatory department.....	157 50	
31	cabinets.....	49 58	
31	Paris exposition.....	50	580 78
31	chemical laboratory.....	16,308 09	
31	chemical and physical laboratories.....	1,125 54	
31	mechanical and architectural shops.....	286 93	
31	cabinets.....	310 75	
31	books and publications.....	175 43	
31	buildings and grounds.....	1,115 83	
31	cabinet cases.....	50 55	
31	Balance state appropriation.....	\$15,252 89	19,373 12
31	Current expenses.....	8,697 54	23,950 43
			\$62,889 96

Illinois Industrial University, in acc't with John W. Bunn, Treasurer.

1878	Cr.		
June 4	By balance.....	\$5,954 65	
15	Interest on Morgan county bonds.....	2,000 00	
July 2	Kankakee county bonds.....	3,000 00	
2	Pike county bonds.....	3,000 00	
2	Champaign county bonds.....	4,600 00	
2	Illinois 6 per cent. bonds.....	930 00	
2	Chicago 7 per cent. bonds.....	875 00	
2	Champaign county.....	225 00	
2	Kankakee school.....	200 00	
2	am't rec'd from state for taxes on lands in Nebraska and Minnesota.....		
2	To am't rec'd from state, buildings and grounds.....	\$2,111 78	
2	To am't rec'd from state, mechanical shops.....	2,500 00	
2	Books and publications.....	1,500 00	
2	Cases for cabinets.....	1,500 00	
2	Chemical and phys. lab'y.....	2,250 00	
2	Specimens for geological.....	1,100 00	11,861 78
2	mineralogical and natural history.....	1,000 00	
2	Chemical laboratory building.....	10,000 00	
2	Heating and furnishing do.....	10,000 00	20,000 00
Aug. 31	on acc't Mechanical department.....	5,085 77	
31	Architectural.....	1,360 21	
31	Agricultural.....	2,486 21	
31	Horticultural.....	322 49	
31	Chemical.....	270 75	
31	Buildings and grounds.....	51 00	
31	Physical laboratory.....	201 25	
31	Cabinets.....	45 00	
31	Fees and room rents.....	160 00	
31	Tuition in preparatory department.....	80 00	
31	Ill. Cent. R. R. freight.....	180 85	
			10,243 53
			\$62,889 96

Urbana, Sept. 10, 1878.

JOHN W. BUNN, Treasurer.

*STATEMENT of Current Expenses and Receipts, six months, ending
August 31, 1878.*

	APPROPRIATIONS.	RECEIPTS.	EXPENDITURE.	BALANCES.
Board expenses.....	\$ 200 00		\$ 273 46	\$ 73 46
Salaries.....	15,225 00		14,810 45	414 55
Buildings and grounds.....	200 00	\$ 101 09	120 98	180 11
Fuel and lights.....	1,000 00	101 04	653 87	447 17
Stationery and printing.....	665 00		563 08	101 92
Fixtures and furniture.....	139 00		8 31	130 69
Mechanical department.....	334 25	5,334 76	5,408 33	260 68
Architectural.....	839 08	1,402 84	2,132 31	109 61
Agricultural.....	2,845 50	2,809 97	4,503 30	1,152 17
Horticultural.....			608 93	190 52
Chemical department.....	178 04	270 75	190 67	258 12
Military.....	150 00		114 95	35 05
Library and apparatus.....	25 00		7 11	17 89
Incidental expense.....	\$200. 245 00		167 45	77 55
Sundries—freights.....	50.		35 72	14 28
engineer's transit.....	550.			550 00
Paris exposition.....	25.		12 50	12 50
Illini.....	15.		15 60	60
diploma.....	350.		350 00	
physical laboratory.....		201 25	2 70	198 55
preparatory department.....		691 50	727 50	36 00
cabinets.....		75 00	63 56	11 44
agricultural institute.....			36 50	
premium on bonds and accrued int.			3,461 00	
State appropriations.....	70,000 00		22,798 01	15,252 89
Ill. Cent. R. R. Freights.....		772 65		
Fees and room rents.....		1,664 50		

LIST OF WARRANTS DRAWN.

No.	TO WHOM.	FOR WHAT.	AMOUNT.
607	D. B. Gillham.....	Expense to meeting.....	\$ 12 90
608	John J. Byrd.....	" " " " " " " "	19 15
609	Alex McLean.....	" " " " " " " "	89 85
610	D. D. Sabin.....	" " " " " " " "	12 75
611	J. H. Pickrell.....	" " " " " " " "	9 80
612	Emory Cobb.....	" " to 3 meetings.....	22 35
913	Lorado Taft.....	Instruction in clay modeling.....	27 30
614	Barker & Co.....	Electrotype cuts.....	40 00
615	Western Bank Note Co.....	Engraving diploma plate.....	350 00
616	D. Gardner.....	Expense to university meeting.....	12 71
617	J. W. Bunn.....	Expense to meetings 1 year.....	46 60
618	A. B. Baker.....	Cleaning and grading lab'y.....	36 12
619	Edward Orton.....	Expense to inaugurate lab'y.....	45 00
620	Hamburg Am. Packet Co.....	Freight on horse model.....	20 50
921	C. & U. Gas Co.....	Bill for May '78.....	63 90
622	J. Saleron.....	Apparatus, physician's laboratory.....	10 90
623	Jas Wright.....	Castings.....	50 12
624	Ill. Central R. R. Co.....	Freight.....	1 76
925	J. M. Gregory.....	Salary, June 1878.....	300 00
626	S. W. Robinson.....	" " " " " " " "	150 00
627	T. J. Burrill.....	" " " " " " " "	150 00
628	S. W. Shattuck.....	" " " " " " " "	150 00
629	E. Snyder.....	" " " " " " " "	150 00
630	D. C. Taft.....	" " " " " " " "	150 00
631	J. B. Webb.....	" " " " " " " "	150 00
632	J. C. Pickard.....	" " " " " " " "	150 00
633	N. C. Ricker.....	" " " " " " " "	125 00
634	H. A. Weber.....	" " " " " " " "	150 00
635	J. D. Crawford.....	" " " " " " " "	125 00
636	G. E. Morrow.....	" " " " " " " "	150 00
637	E. L. Lawrence.....	" " " " " " " "	83 33
638	S. C. Allen.....	" " " " " " " "	100 00
639	F. W. Prentice.....	" " " " " " " "	100 00
640	P. Baumgras.....	" " " " " " " "	100 00
641	F. A. Parsons.....	" " " " " " " "	75 00
642	M. A. Scovell.....	" " " " " " " "	65 00
643	C. I. Hays.....	" " " " " " " "	75 00
644	I. O. Baker.....	" " " " " " " "	75 00
645	C. E. Pickard.....	" " " " " " " "	45 00

LIST OF WARRANTS DRAWN.—Continued.

No.	TO WHOM.	FOR WHAT.	AMOUNT.
646	E. A. Kimball.....	" "	83 33
647	J. C. Lewellyn.....	" "	40 00
648	J. E. Gregory.....	" "	25 00
649	A. B. Baker.....	" "	40 00
650	C. W. Williams.....	" "	30 00
651	N. C. Terrill & Co.....	Balance chem. laboratory cont'd.	6,896 18
652	N. C. Ricker.....	Service of arch. and plans and spec'ns.	120 00
653	J. M. Van Osdel.....	Services as consulting architect.	25 00
654	N. C. Terrell & Co.....	Extra material.	25 00
655	Luddington, Wells & Van S.	Lumber.....	154 05
656	Arthur Seymour.....	Work.....	25 00
657	Agricultural department.	Farm expense June.....	947 43
658	Peterson & Lloyd.....	Books.....	28 18
659	Zell, Francis & Co.....	1 bbl alcohol.....	16 20
660	D. Van Nostrand.....	1 vol Rigg's steam engine.	13 60
661	F. W. Christian.....	Periodicals.....	78 97
662	J. Burkett Webb.....	8 vols. Franklin's Inst.	9 60
663	Thos. Wright.....	Castings.....	85 42
664	Garden City lead pipe co.	Pipe, sheet lead, etc.	207 37
665	Whitall, Tatum & Co.....	Apparatus.....	25 01
666	Geo. A. Wild.....	Wages and expenses in cab's.	129 35
667	J. M. Gregory.....	Salary, July, 1878.	300 00
668	S. W. Robinson.....	" "	150 00
669	T. J. Burrill.....	" "	150 00
670	S. W. Shattuck.....	" "	150 00
671	E. Snyder.....	" "	150 00
672	D. C. Taft.....	" "	150 00
673	J. B. Webb.....	" "	150 00
674	J. C. Pickard.....	" "	150 00
675	N. C. Ricker.....	" "	125 00
676	H. A. Weber.....	" "	150 00
677	J. D. Crawford.....	" "	125 00
678	G. E. Morrow.....	" "	150 00
679	E. L. Lawrence.....	" "	83 33
680	Lou. C. Allen.....	" "	100 00
681	P. Baumgras.....	" "	100 00
682	M. A. Scovell.....	" "	40 00
683	C. I. Hays.....	" "	75 00
684	E. A. Kimball.....	" "	83 33
685	A. B. Baker.....	" "	40 00
686	C. W. Williams.....	" "	30 00
687	G. A. Wild.....	" "	57 50
688	J. A. Fay & Co.....	1 scroll saw.....	105 00
689	Larrabee & North.....	Hardware.....	13 82
690	Students' pay roll.....	June 1878.....	292 41
691	Crane Bros. mfg co.....	Hardware.....	939 28
692	Walker & Stayman.....	85 per ct. on chem. lab'y desks.	151 00
693	Geo. A. Wild.....	Mounting specimens.....	55 35
694	Agricultural department.	Farm expense July, '78.	868 26
695	Larrabee & North.....	Hardware.....	63 08
696	J. F. Lawrence.....	Labels for plants.....	3 50
697	G. E. Morrow.....	Seeds.....	5 35
698	Wm. Raydon.....	Handling coal.....	9 25
699	Stearns & Co.....	1 bbl. stucco.....	2 25
700	E. B. Benjamin.....	Filter paper.....	4 08
701	Culver, Page, Hoyne & Co.	Paper.....	9 69
702	W. S. Maxwell.....	Duster and stationery.....	4 05
703	G. C. Willis.....	6 yards delaine.....	2 10
704	W. S. Maxwell.....	Wall paper.....	6 04
705	Jno. S. Stott.....	Stationery.....	5 15
706	D. Humphreys.....	Brass castings.....	3 00
707	D. W. Williams.....	7½ days' work.....	7 50
708	H. Paulsen.....	Brushes and dusters.....	6 55
709	E. A. Pratt.....	Calsomining.....	49 50
710	U. S. patent office.....	Binding reports.....	7 80
711	Brown, Holdaway & Co.	Books.....	5 50
712	Eichberg Bros.....	7 curtains.....	14 68
713	T. J. Burrill.....	Expense to Springfield.	9 10
714	B. F. Sturtevant.....	Machinery.....	168 00
715	Inter Ocean pub. co.....	Advertising.....	16 05
716	Adelphic Society.....	Rent of piano.....	4 00
717	Fuller & Fuller.....	5 gals. alcohol.....	11 53
718	N. H. Edgerton.....	Physical apparatus.....	10 60
719	Henry & Kerher.....	Buckets, etc.....	9 65
720	Wm. E. Story.....	Periodicals.....	5 00
721	W. F. Pratt.....	Repairs on roof.....	13 37
722	Besore.....	Lumber.....	34 11

LIST OF WARRANTS DRAWN.—Continued.

No.	TO WHOM.	FOR WHAT.	AMOUNT.
723	Covert & Greenhood.....	½ doz. draw locks.....	4 42
724	N. A. Williams.....	35 bbls cement.....	54 25
725	Jno. Williams.....	Tools.....	16 93
726	Andrew Barr.....	Lumber.....	26 77
727	Ill. State Journal.....	Advertising proposals.....	10 50
728	C. & W. Kirkpatrick.....	1 bbl white clay.....	2 00
729	C. W. Williams.....	Petty expenses.....	3 20
730	Abendroth & Root, mfg co.....	60 horse power engine.....	1,146 80
731	Students' labor pay roll.....	July, 1878.....	682 54
732	A. B. Baker.....	Pay roll of workmen.....	99 50
733	Richard Cox.....	Digging 1 well, 2 cisterns.....	38 00
734	Crane Bros. mfg co.....	Hardware.....	215 60
735	Crane Bros. mtg co.....	Hardware.....	381 11
736	J. M. Gregory.....	Salary, August 1878.....	300 00
737	S. W. Robinson.....	" " " ".....	150 00
738	T. J. Burrill.....	" " " ".....	150 00
739	E. Snyder.....	" " " ".....	150 00
740	S. W. Shattuck.....	" " " ".....	150 00
741	D. C. Taft.....	" " " ".....	150 00
742	J. B. Webb.....	" " " ".....	150 00
743	J. C. Pickard.....	" " " ".....	150 00
744	N. C. Ricker.....	" " " ".....	125 00
745	H. A. Weber.....	" " " ".....	150 00
746	J. D. Crawford.....	" " " ".....	125 00
747	G. E. Morrow.....	" " " ".....	150 00
748	E. L. Lawrence.....	" " " ".....	83 33
749	P. Baumgras.....	" " " ".....	100 00
750	M. A. Scovell.....	" " " ".....	40 00
751	C. I. Hays.....	" " " ".....	75 00
752	E. A. Kimball.....	" " " ".....	83 33
753	A. B. Baker.....	" " " ".....	40 00
754	L. C. Allen.....	" " " ".....	100 00
755	C. W. Williams.....	" " " ".....	30 00
756	G. A. Wild.....	" " " ".....	50 00
757	J. C. Lewellyn.....	July and Aug, 1878.....	120 00
758	Hollister & Baker.....	Looking glass.....	2 40
759	J. W. Harp.....	2 days teaming.....	4 00
760	A. R. Scott & Co.....	2,500 fire brick.....	87 50
761	Daily Normal.....	Advertising.....	5 00
762	Flemming Doane.....	Work and material.....	190 99
763	Seeley Brown.....	Supt. service.....	100 00
764	A. B. Baker.....	Pay roll of workmen.....	21 50
765	Wm. Jenkins.....	20 yards sand.....	25 00
766	E. Snyder.....	Expenses to Springfield.....	10 85
767	Fuller & Fuller.....	Glass.....	39 68
768	R. S. Wilbur.....	Hauling coal.....	34 80
769	Jas. M. Smith.....	13½ days work, masonry.....	29 81
770	S. W. Robinson.....	Books.....	8 40
771	John O. Neil.....	Plumbing.....	100 00
772	Robinson & Burr.....	Shafts, collars and pulleys.....	62 50
773	Williamson & Phinnister.....	Hardware.....	7 80
774	Agricultural department.....	Farm expense, Aug.....	378 64
775	E. A. Pratt.....	Painting and calsmining.....	66 00
776	E. L. Lawrence.....	Boxes and picking cherries.....	24 54
777	Wm. Price.....	Painting and calsmining.....	175 45
778	Students' pay roll.....	August, 1878.....	596 20
779	N. A. Williams.....	Cement.....	26 35
780	Matthiessen & Hegler zinc co.....	Zinc.....	1 86
781	Larrabee & North.....	Hardware.....	2 60
782	Thos. Wright.....	Castings.....	112 52
783	Jno. H. McGowan.....	Belting.....	15 14
784	W. F. Pratt.....	Repairs on buildings.....	34 03
785	Stillwell & Burce, mfg co.....	1 heater.....	60 00
786	G. E. Hessel.....	Belting.....	13 60
787	Eichberg Bros.....	Oil cloth.....	1 75
788	C. J. Sabin.....	Coal.....	6 40
789	Fuller & Fuller.....	Glass.....	7 75
790	John Schreiber.....	13½ days labor.....	16 87
791	I. B. & W. Ry.....	Freight.....	83 42
792	Jno. S. Stott.....	Stationery.....	9 00
793	Geo. C. Morgan.....	1 boiler.....	390 00
794	R. Blum.....	Pipe, tank, &c.....	93 71
795	Mary Page.....	Work on plans.....	8 93
796	G. Roop.....	Specimens for cabinets.....	6 00

LIST OF WARRANTS DRAWN.—Continued.

No.	TO WHOM.	FOR WHAT.	AMOUNT.
797	Adolph Sturm.....	Veneers and woods.....	42 39
798	Bott Hammersley & Co.....	Flower pots.....	23 10
799	H. Swannell.....	Medicine, chemicals, &c.....	21 86
800	Enterprise Coal Co.....	20 cars coals.....	280 60
801	Mechanical department.....	Heating app. boiler, &c.....	4,629 36
802	" ".....	Work for other departments.....	134 56
803	" ".....	Work on buildings.....	32 46
804	" ".....	Material and work for cabinets.....	4 50
805	Charles Hendy.....	Painting and graining.....	54 00
806	Charles Hendy.....	Glazing, paint and putty.....	50 55
807	Crane Bros. mfg co.....	Hardware.....	343 27
808	Crane Bros. mfg co.....	Hardware.....	20 73
809	Champaign co Gazette.....	Circulars and printing.....	170 75
810	H. Swannell.....	Chemicals.....	423 15
811	E. Benjamin.....	Chemicals.....	680 89
812	Brown & Anderson.....	Plastering.....	47 50
813	Agricultural department.....	Work 6 mos.....	56 98
814	" ".....	Grading, chem. laboratory.....	188 85
815	" ".....	Work for other departments.....	409 26
816	E. N. McAllister.....	Postage.....	23 00
817	Walker & Stayman.....	Estimate of work on desks.....	780 00
818	Ill. Central R. R.....	Freight.....	180 85
819	Architectural department.....	Fixtures in chem. laboratory.....	1,264 58
820	" ".....	Power spring term S. P.....	60 00
821	Mechanical ".....	" ".....	60 00
822	F. A. Parsons.....	1 set Spencerian charts.....	3 70
823	S. W. Shattuck.....	Petty expense 3 mos.....	95 37
824	D. C. Taft.....	" " in cab's.....	8 16
825	J. W. Bunn.....	Premium and accrued interest.....	398 00
826	Horticultural department.....	Work 6 mos. and trees.....	202 86
827	D. Gardner & Co.....	Premium and accrued inst.....	1,213 00

On motion of Mr. McLean the following resolution was passed :

WHEREAS, The University battalion has ceased by law to be a legal military organization, the office of commander of the battalion ceases to exist; therefore

Resolved, That the military professor therefor has charge of the military classes and drill organizations, under the supervision of the regent.

Mr. McLean, chairman of the building committee, made the following report, which was accepted, and on motion of Mr. Pickrell, placed on file:

REPORT OF THE BUILDING COMMITTEE.

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

The undersigned, your building committee, would respectfully report as follows:

At a regular meeting of your board, held June 10th, 1878, we were ordered to publish for bids to furnish and complete the laboratory building, according to plans and specifications approved by your board, which was accordingly done. Copy of said published notice is herewith made a part of our report.

PROPOSALS FOR THE ERECTION OF A CHEMICAL LABORATORY FOR THE ILLINOIS INDUSTRIAL UNIVERSITY AT URBANA, ILL.

Bids will be received for the above purpose by the trustees of the said University, on Tuesday, the tenth day of July, 1877, at the University, at Urbana, Illinois.

Plans and specifications will be at the office of their consulting architect, Mr. J. M.

Van Osdel, Chicago, Ill., 41 Clark street, from June the nineteenth to June the twenty-fifth, 1877, and at the University from June the twenty-seventh to July the ninth, 1877.

The trustees reserve the right to reject any and all bids.

EMORY COBB, President.

URBANA, Ill., June 6th, 1877.

On the 25th day of June, 1878, your committee met at the University building and opened the bids made in accordance with said notice as follows:

To Walker & Stayman, of Champaign, was awarded the making of nineteen desks for laboratory, at his bid to-wit: One hundred and nineteen dollars and fifty-four cents (\$119 54) each. And to J. C. Lewellin, of Illinois Industrial University machine shops, was awarded the furnishing of heating apparatus and remainder of furnishings necessary for said laboratory, according to plans and specifications, for the sum of six thousand, five hundred and seven dollars and thirty cents. And on consideration of bid of W. A. Moore, of Urbana, for plumbing, was rejected, and ordered that Mr. Gardner have the same done at lowest price and best workmanship.

We further report that we have examined the workmanship and material used in the completion of it, and find it equal to the specifications.

There is some finishing yet to be done on the desks, but from the fact that the bowls are not ready yet, the contractor has to wait their reception before completing same.

We refer to the report of architect N. Clifford Ricker for particulars, and make same part of this report.

CHAMPAIGN, Sept. 10th, 1878.

To the building Committee of the Hon. Board of Trustees, of the Illinois Industrial University:

GENTLEMEN:—I have the honor to report to you as follows:

The heating apparatus is nearly completed, a few connections, &c., only remaining to be made, and the shafting, belts, &c., to be put in place. As you may see, the boilers are set coil of steam pipes complete, engine pump and fan are complete and set.

The hot air pipes are also in place, the registers in mansard story being still to be put in.

Mr. Walker's contract is nearly completed, the principal items still incomplete being:

1. Cutting holes for wash bowls.
2. Furnishing and putting on angle castings which fasten regent's cases to tables.
3. Furnishing and putting on sash fastenings, and lock plates, &c., for doors and drums.

One hundred dollars will, I believe, complete these items.

The contract of architectural shops is also nearly finished. The things remaining to be done are:

1. Sash pulleys and weights for sashes in private laboratory and gas hoods. The pulleys are ordered, sash weights now being cast at Illinois Industrial University foundry.

2. Case for specimens and models in lecture room. Sash, panels and table are made.

There seems to be some uncertainty as to whether this case was ordered by your committee or not, and the records do not decide the point.

There are several items also incomplete which are to be furnished directly by the University.

1. *Water Tank.*—The iron and rivets were obtained, ready to put together, from Crane Bro's, Chicago. Mr. P. Sullivan, of Urbana, agreed to build the tank for \$35, but owing to delay in getting the materials, Mr. Sullivan obtained a job in Danville, and declines to carry out the agreement. Mr. J. Reedy, of the Illinois Central railroad, offers to do the work for \$65. Mr. Gardner directed me to leave the matter until your meeting, and write to other parties.

2. *Wash Bowls.*—These could not be obtained ready made, and are being manufactured at New York, but have not yet been received.

3. *Gas Flues from Gas Hoods.*—These cannot be permanently fixed until the bowls are set in the desks.

The supply of rain water to the cistern can be much increased by connecting southwest conductor with the south cistern, which can easily be done by running a conductor along the ceiling of southwest room in basement. This would not cost over \$25, and I recommend that it be done.

I would also recommend that as it may become necessary to place steam heating coils in the halls, in addition to the apparatus already provided, a sufficient sum be reserved until the heating apparatus can be fully tested. \$250 would be ample.

Respectfully submitted,

N. CLIFFORD RICKER.

We would also report that the contractors, N. C. Terrill & Co., have been fully paid all demands whatsoever, and the receipts in full for same are filed with voucher No. 651, of July 1st, 1878. And further that the contractors under the award of bids, and other parties that have furnished materials and labor in and about said premises have been paid for said labor and material certain sums of money as per schedule herewith attached, and made part of this report.

Drawn on Chemical Laboratory building—Account from June 1, 1878, to August 31, 1878.

DATE.	NO.	TO WHOM DRAWN.	FOR WHAT DRAWN.	AMOUNT.
1878.				
June	6	618 A. B. Baker	Cleaning and grading	\$ 36 12
July	1	651 N. C. Terrill & Co	Balance on contract	6,896 18
"	1	652 N. C. Ricker	Service as architect and plans	120 00
"	1	653 J. M. Van Osdel	Services as consulting architect	25 00
"	22	664 Garden City Lead Pipe Co.	Pipe, sheet, lead, etc	207 37
"	22	665 Whitall, Tatum & Co.	Apparatus	25 01
Aug.	2	692 Walker & Stayman	85 per cent. on chemical lab. desks	1,151 00
"	15	715 Inter Ocean Publishing Co.	Advertising	16 05
"	15	724 N. A. Williams	35 barrels cement	54 25
"	15	727 Illinois State Journal	Advertising	10 50
"	15	733 Richard Cox	Digging 1 well, 2 cisterns	38 00
"	15	734 Crane Bro's Manufacturing Co	Hardware	215 60
"	31	763 Seeley Brown	Supt. service 1 month	100 00
"	31	765 Wm. Jenkins	20 yards sand	25 00
"	31	771 John O. Neil	Plumbing	100 00
"	31	769 James M. Smith	13½ days mason work	29 81
"	31	779 N. A. Williams	Cement	26 35
"	31	790 John Scribeb	13½ days labor	16 87
"	31	795 Mary Page	Work on plans	8 93
"	31	801 Mechanical department	Heating apparatus, engine, &c	4,629 35
"	31	807 Crane Bro's Manufacturing Co	Hardware	343 27
"	31	814 Agricultural department	Grading	188 85
"	31	817 Walker & Stayman	Estimate of work, desks	780 00
"	31	819 Agricultural department	Fixtures in chemical laboratory	1,264 58
Amount paid				16,308 09
				19,777 23
				36,085 32

Which shows a total expended in the erection, grading and furnishing said laboratory, and paid to Sept. 11, 1878, amounting to thirty six thousand, eighty five dollars and thirty two cents.

We would further submit the estimates made by Profs. Shattuck and Ricker, to complete the furnishing of said laboratory for present use, viz:

Estimates of amounts yet to be paid on Chemical Laboratory.

Plumbing	\$ 100 00
152 wash bowls	300 00
20,000 brick	160 00
Balance to Walker & Stayman	340 00
Tank	65 00
Hot air flues	300 00
Condensing apparatus, etc	50 00
Specimen case	150 00
Other small bills	200 00
Extra work from arch department	150 00
Extra work from mechanical department	150 00
Bottles for desks	800 00
Chairs	150 00
Extra heaters	250 00
Gas flues	200 00
Contingent	160 00
	\$3,400 00

It was recommended by Prof. Weber, and deemed necessary by your committee, to dig two cisterns and one well, to furnish an ample supply of water for the laboratory, which was done under the direction of Mr. Brown, assistant superintendent, together with the grading around the building.

We would recommend that so far as the state appropriation will permit, that the items of furnishings, as set forth in estimates submitted by Profs. Shattuck & Ricker, heretofore referred to, be ordered and finished according to plans and specifications.

Respectfully submitted,

ALEX. McLEAN,
D. GARDNER,
R. B. MASON. } Committee.

A communication from Prof. Morrow, reporting some wants on the University farm, was referred to Mr. Gardner with power to act.

The regent was authorized to employ a third assistant in the chemical laboratory at \$10 per month, also a teacher of elocution to be paid by fees collected.

A communication from Mr. Robert Eccel, in regard to heating pipe, was referred to the regent and Mr. Gardner with power to act.

Messrs. Mason, Sabin, Gardner and the regent, were appointed a committee to employ a professor of mechanical engineering.

A report from the corresponding secretary in regard to the president's report of the University for 1875 and 1876, now in the hands of the state printer, was received and ordered to be placed on file.

On motion adjourned.

JOHN W. BUNN,
Secretary pro tem.

EMORY COBB,
President.