

SECOND DAY'S SESSION.

The Board met at the Grand Pacific Hotel, Chicago, Ill., Wednesday, September 12, 1884, at 8:30 P. M.

Present—Trustees Earle, Bennett, Cobb, McLean, Millard and Paden.

Absent—Governor Hamilton; Trustees Landrigan, Follansbee, Pearman and Postel.

The minutes of the last meeting were read and approved.

On motion, the reports of the Regent and other officers were deferred, and the reports of committee taken up.

Trustee Bennett, from Committee on Sale of Nebraska Lands, made the following report:

To the Trustees of the Illinois Industrial University:

GENTLEMEN—Your committee for the sale of lands in Nebraska report their transactions for the last three months as follows:

Contracts for sales have been completed with:

No.	Date.	Buyer.	Tract.	Acres.	Rate	Price.	Cash
5	May 31	S. D. Miller }	N. W. 31 3-8	153 33	\$15 00	\$2,300 00	\$575
		W. C. Bashor }					
6	June 2	T. A. Woodward.....	S. W. 12 3-8	160	12 50	2,000 00	500
7	" 3	Aug. Zahlten.....	S. W. 24 3-8	160	12 50	2,000 00	500
8	" 25	C. E. Baker.....	S. W. 15 3-8	160	14 00	2,240 00	560
9	July 25	C. M. Dawson.....	S. W. 35 3-7	160	15 00	2,400 00	600
10	" 25	J. M. Herbert.....	S. E. 34 3-7	160	15 00	2,400 00	600
11	" 29	D. Richardson.....	N. W. 24 3-8	160	12 50	2,000 00	500
12	" 29	H. C. Kludas.....	S. E. 24 3-8	160	12 50	2,000 00	500
				1,273.33		\$17,340 00	\$4,335

Propositions have been accepted for the following:

13	Aug.	15	H. J. Willis } A. W. Mills }	N. W. 27 3-8	160	\$12 50	\$2,000 00	.....
14	Sept.	5	N. L. Collins	N. E. 31 3-8	160	12 50	2,000 00	.....
15	"	5	N. T. Maxwell	S. W. 31 3-8	153.11	15 00	2,296 65	.....
16	"	5	R. L. Gumaer	N. W. 10 2-8	160	12 50	2,000 00	.....
17	"	5	R. L. Gumaer	N. W. 11 2-8	160	10 00	1,600 00	.....
18	"	5	C. C. Bryant	S. E. 2 2-8	160	10 00	1,600 00	.....
					953.11		\$11,496 65	.....

The total sales thus far have been:

Previously reported.....	620 25	\$9,449 84
Completed sales, this quarter.....	1,273 33	17,340 00
Proposals accepted, this quarter.....	953 11	11,496 65
	2,846 69	\$38,286 49

Agreeably to instructions from the Executive Committee, your committee has had the subject of trespassers on these lands investigated by Mr. C. E. Baker, our correspondent at Beatrice, whose report is herewith submitted. Your committee respectfully ask further instructions upon this point.

No payment has yet been made to Mr. Baker for his services to this committee in connection with the sales of these lands. We recommend that the following sums be allowed and paid to him:

For services to committee on land sales to Sept. 1st.....	\$65 66
Per diem and expenses, visiting trespassers.....	17 00
Total.....	\$82 66

All of which is respectfully submitted,

CHAS. BENNETT,
S. H. PEABODY,

Committee.

URBANA, Sept. 9, 1884.

The report was received and placed on file. The sum of \$82.66, expenses accrued on land sales, was audited, and a warrant for same ordered to be drawn.

The Executive Committee made the following report:

To the Board of Trustees of the Ill. Ind. University:

The undersigned, your Executive Committee, beg leave to report that at a meeting of your committee since the last June meeting, the question of advertising for the University was taken under consideration, and your committee decided it was advisable and important that the appropriation for advertising be increased to \$600. The importance of this increase seemed so necessary that the committee found it necessary to act promptly, as the work must of necessity be done prior to this meeting.

Your committee therefor ask that this report and the action of the Executive Committee be approved.

S. M. MILLARD,
CHAS. BENNETT,

Committee.

The report was received, and the increased amount appropriated, as asked for.

The Executive Committee asked for further time to report on purchase of Rush lot. Granted.

The Executive Committee submitted the following report:

To the Board of Trustees of the Ill. Ind. University:

GENTLEMEN—The undersigned, your committee, to whom was referred the matter of refunding the Kankakee county bonds, beg leave to report that they have procured the opinion of Hon. John B. Hawley, of Chicago, as to the validity of said new bonds offered in exchange, and find from said opinion that the refunding bonds are regularly and legally issued, which opinion is herewith presented;

Upon compliance with the condition of the resolutions passed by this Board, June 11th, last, your committee reported that fact to Hon. John W. Bunn, Treasurer of the Board, with instruction to make the exchange proposed.

Your committee herewith present a statement from said Treasurer notifying your committee of the transfer and exchange.

Respectfully submitted,

S. M. MILLARD,
CHAS. BENNETT,
Committee.

The report was received and approved.

The Regent presented the following report:

To the Trustees of the Illinois Industrial University:

GENTLEMEN—The vacation now closing has been devoted to efforts for making the University more widely known that its advantages might be more generally sought by those for whom they are designed. Circulars have been prepared to alumni and undergraduates, to county superintendents and to the public generally. The latter have been distributed in large numbers chiefly through the courtesy of our friends. Advertisements have been inserted in the leading secular, agricultural and religious papers of the State.

An unsolicited and unpaid article, commendatory of the University and its work, occupying more than two pages, and handsomely illustrated, appeared in the *Prairie Farmer*, and a large number of copies in addition to the regular edition was distributed. The constant and kindly recognition which the press of the State is giving to our work is a healthy indication of the improved relations growing between the University and the people of Illinois. Catalogues have been distributed freely, and the inquiry for information has been constant and earnest. The National Educational Association convened at Madison, Wisconsin, July 16th. A most notable feature at this gathering was a display of the results of industrial education, in the products of drawing rooms, workshops, etc. Our engineering college was represented by series of elementary shop work from the machine and carpenter shops, numerous examples of drawing from all the schools, and several elaborate models of bridges. The exhibit of this University was in all respects a creditable part of the general display, while in its drawings, bridge models and wood work it found no superior.

At the request of the managers of the Winnebago County Agricultural Society a part of the same material was taken to Rockford, at the late county fair. It was kindly received and elicited much comment and inquiry.

Arrangements for representing the University in the State exhibit at the coming World's Industrial and Cotton Exposition at New Orleans, to open in December next, are progressing. The Governor has been pleased to appoint as special commissioners, Prof. Burrill for Forestry, Prof. Morrow for Agricultural Products, Prof. McMurtrie for Chemical Analysis, and the Regent for Industrial Education. In these departments, and in perhaps some others, the University will be a place for gathering and arranging exhibits, whence they will be forwarded to New Orleans. The University itself will make a full display in all its technical departments.

IMPROVEMENTS.

The improvements authorized at the June meeting are mostly completed. The fence on the north side of Green street is finished, having cost \$483.30. The expenditure authorized was \$500.

The cases for Prof. Burrill's room have been built, the room below finished, and connection made thereto by a stairway. The expense has been \$307.35; your appropriation was \$300; this sum has been exceeded, because it was found desirable to plaster the room, which was not included in the original estimate.

The repairs in the Chemical Laboratory are well under way, but are not yet complete, and can not be reported upon.

PROTECTION AGAINST FIRE.

This subject, which has interested all concerned for some time, has received careful consideration, and I am prepared to make the following recommendations:

It is beyond question that the small high pressure boiler, which has been used for pump service, is too much worn to be safe for another season's work. It has been carried

along from year to year, for reasons of economy, for the last three years, until now the same economical consideration demands a new boiler. It is proposed to continue the use of the present pump, as a feed-pump, forcing hot water to the heating boilers, and to procure another pump for raising water to the tanks in the upper part of the buildings, and for service in case of fire. After correspondence with the leading pump-makers and examination of their work, I recommend for our use the Worthington Duplex Pump, having two alternative steam-and-water-pistons, which by their reciprocal action maintain an equable flow of water in the lead-pipe.

The pipe from the pump as now placed leads to the upper floor, and feeds either tank at pleasure. I would extend this pipe upward through the roof, and above the roof would make a branch to the eastward and one to the westward, using in all about 160 feet of horizontal pipe, with proper hose couplings at each end and at the middle. I would attach to each end a suitable length of flexible hose, to be kept constantly in a proper box for protection against the weather, and to be always ready for use. In the same box I would also have kept a fire ax and saw.

To this stand-pipe attachments for hose are already made on each floor, and one should be put in the attic under the roof.

It will be possible with these means, if a fire should break out, to fight with some success until aid could reach us from without.

Our building is very high, and our roof is its most vulnerable part. I would recommend that a wrought iron stand-pipe be placed upon the outer wall in the court yard, of calibre and fittings suited to the steam-fire engine of the adjacent cities. This pipe should have hose fittings at each floor, and should extend above the roof. The balconies in the court would make a ladder attachment for the lower half unnecessary. For the upper half a simple iron ladder should be attached. From inquiries which I have made I find that the cost of such a pipe will be but moderate.

A similar pipe could be attached to the Chemical building with its ladder for fire-escape.

I report the appointment of Miss Kittie Baker as Instructor in Music, under authority given to Dr. Pearman and the Regent,—she to receive \$150 per annum, and the fees derived from the students in music.

Prof. Wetzel has resigned his appointment as Professor of Elocution.

I communicate to you an interesting report from Prof. Burrill upon the experiment on feeding of silk worms. It furnishes an important addition to our knowledge upon this subject, and the experiments should be continued.

I also ask consideration of his report on the Horticultural Department with such action as the case may seem to require.

His request for \$25 from the State appropriation for Cabinets, for labor upon the collections of Insects and Plants, is concurred in.

Also his request for \$15 as Corresponding Secretary.

Prof. Morrow's quarterly farm report is herewith submitted. Attention is asked to a special report on the fences of the Griggs Farm, which needs consideration and action.

I ask the assignment of \$150—from the State appropriation for Laboratories—for the purchase of a Chronometer for the Physical Laboratory.

Also of \$25 from same fund for apparatus for gas analysis in the Chemical Laboratory.

Respectfully submitted,

[Signed]

S. H. PEADODY,

Regent.

The question of purchase of a new boiler and pump was referred to the Committee on Buildings and Grounds, for report at this meeting.

Prof. Burrill's report on Silkworm Experiment was received and ordered to be printed. (See page 85.)

Prof. Burrill's request for adjusting the accounts of the Horticultural Department was deferred until next meeting.

\$25.00 was appropriated for Botanical Collections.

Prof. Morrow's request for additional stabling was referred to the Executive Committee, Farm Committee and the Regent, with power to act.

The matter of adjustment of division fence on the Griggs Farm was referred to the Farm Committee and the Regent, with power to act.

Adjourned to Thursday, September 13, 1884, 9 o'clock A. M.

THIRD DAY'S SESSION.

The Board was called to order by the President at 9:45 A. M.

Present: Trustees Bennett, Earle, McLean, Millard and Paden.

Trustee McLean, from Committee on Buildings and Grounds, made the following report:

CHICAGO, September 11, 1884.

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

The undersigned would respectfully report that we have examined the recommendation of Regent Peabody relative to obtaining new pump and boiler, together with the matter of piping the roof of main building to be used for fire purposes, and find that the plan is feasible and would doubtless be of great benefit in case of fire.

We therefore recommend that an appropriation from current fund account be made, not to exceed \$850, for the purpose of obtaining the pump, boiler and necessary piping as set forth in said report.

We would also recommend that a sufficient space be enclosed at landing in the attic of main building, with suitable doors, for easy access to said attic, with keys for same to be kept in a proper place so as to be easily obtained in case of fire; also that all the wood-work in same be painted with fire-proof paint.

And further, report that the foregoing matters be referred to Executive Committee and Regent for completion, and to report at next meeting of the Board.

We would further recommend that the Executive Committee obtain one gross of fire hand-grenades, the same to be distributed throughout the building in the most available and useful places for immediate use in case of fire.

Respectfully submitted,

ALEX. McLEAN,

PARKER EARLE,

Committee.

The report was received and approved. A sum not to exceed \$850 was appropriated for the purpose.

Treasurer J. W. Bunn presented his report.

ILLINOIS INDUSTRIAL UNIVERSITY,

To JOHN W. BUNN, TREASURER, Dr.

1884.	Aug. 31	To amount paid on account	Board expense.....	\$95 98	
			Salaries.....	3,700 18	
			Buildings and grounds.....	51 35	
			Fuel and lights.....	1,452 24	
			Stationery and printing.....	1,222 60	
			Mechanical department.....	314 54	
			Architectural.....	886 33	
			Agricultural.....	1,845 06	
			Horticultural.....	823 32	
			Chemical.....	110 69	
			Military.....	17 51	
			Library and apparatus.....	16 25	
			Incidental expense.....	122 89	
			Preliminary year.....		\$10,639 44
			Physical laboratory.....	\$2 30	50 00
			Cabinets.....	73	
			Silk-worm experiments.....	54 88	
			Bee experiments.....	9 90	
			Nebraska lands.....	25 30	
			Elocution.....	92 50	
			Madison Exposition.....	76 19	
			Architectural desks.....	34 74	
					296 54
		State appropriations—			
		To amount paid on account	Taxes on lands.....	\$2,542 03	
			Buildings and grounds.....	1,410 36	
			Laboratories.....	225 68	
			Mech. and Arch. shops.....	548 22	
			Books and publications.....	303 68	
			Cabinets.....	46 50	
			Current expense of instruction.....	3,999 88	
			Blacksmith shop.....	165 34	
					9,241 69
		Balance.....			24,954 28
					\$45,181 95

URBANA, Sept. 10, 1884.

JOHN W. BUNN, Treasurer.

ILLINOIS INDUSTRIAL UNIVERSITY.

To JOHN W. BUNN, TREASURER, Cr.

1884.	June 10	By balance.....			\$112 97
		interest on Menard county bonds.....			350 00
	15	" " " Morgan county bonds.....			1,750 00
July	1	" " " Champaign county bonds.....	\$6,300 00		
		" " " Pike county bonds.....	2,100 00		
		" " " Sangamon county bonds.....	880 00		
		" " " Kankakee school bonds.....	300 00		
		" " " Chicago water bonds.....	875 00		
		By am't rec'd from State for taxes on lands in Nebraska			10,455 00
		and Minnesota.....	\$2,500 00		
		repairs and improvements.....	3,000 00		
		expenses of laboratories.....	1,500 00		
		educational work.....	1,500 00		
		library and museum.....	1,500 00		
		specimens for cabinets.....	1,000 00		
		expenses of instruction.....	14,000 00		
					25,000 00
Aug.	20	By interest on Kankakee county bonds.....			3,000 00
	30	By am't rec'd on acct buildings and grounds.....	\$29 55		
		" " " Fuel and lights.....	4 40		
		" " " Stationery and printing.....	150 00		
		" " " Mechanical department.....	280 52		
		" " " Architectural department.....	956 42		
		" " " Agricultural department.....	1,475 54		
		" " " Horticultural department.....	613 48		
		" " " Chemical department.....	89 17		
		" " " Incidentals.....	7 70		
		" " " Physical laboratory.....	40		
		" " " I. C. R. R. donations.....	906 80		
					4,513 98
					\$45,181 95

URBANA, Sept. 10, 1884.

JOHN W. BUNN, Treasurer.

To the Board of Trustees of the Illinois Industrial University:

I have exchanged with Kankakee county 30 Kankakee county bonds of \$1,000 each, \$30,000; for 30 Kankakee county 5 per cent. refunded bonds, \$1,000, \$30,000, registered by the Auditor of State, due in 20 years from July 1, 1884.

I also received on account of interest 18 Kankakee county 5 per cent. refunded bonds, \$18,000; cash \$3,000. In accordance of your resolutions adopted June 13, 1884.

JOHN W. BUNN, Treasurer.

SPRINGFIELD, August 20, 1884.

The report was received and referred to the Auditing Committee.

The Business Agent then submitted the following report:

Current Appropriations.

March 14, 1884.	Appropriat'd	Receipts also appropriat'd	Expended.	Balance.
Board expense.....	\$300 00	.....	\$181 94	\$118 06
State.....	.....	.....	5,000 28	.....
Salaries.....	16,590 00	.....	10,850 07	730 65
Buildings and grounds.....	100 00	\$78 05	141 02	37 03
Fuel and lights.....	1,000 00	64 73	1,855 30	.....
Stationery and printing.....	1,425 00	150 00	1,375 70	199 30
Mechanical Department.....	.....	296 02	486 77	.....
Architectural Department.....	452 56	1,064 80	971 13	546 23
Agricultural Department.....	1,959 91	3,109 54	2,411 12	2,658 33
Horticultural Department.....	11 61	1,050 67	1,088 04	.....
Chemical Department.....	99 99	433 48	153 70	379 77
Military Department.....	50 00	.....	54 36	.....
Library and apparatus.....	155 00	.....	18 89	136 11
Incidental expense.....	200 00	7 70	166 00	41 70
<i>Sundries.</i>				
Physical laboratory.....	37 70	40	2 30	35 80
Cabinets.....	8 85	.....	73	8 12
Gymnasium.....	81 75	.....	75 00	81 75
Examination of schools.....	19 20	.....	24 89	.....
Illini type.....	75 00	.....	75 00	.....
Silkworm experiment.....	100 00	.....	64 88	35 12
Bee experiment.....	10 00	.....	9 90	10
Nebraska lands.....	84 10	542 67	119 30	497 47
Elocution.....	180 00	132 50	312 50	.....
Exposition at Madison.....	100 00	.....	76 19	23 81
Prof. Ricker's desks.....	42 00	.....	34 74	7 26
Preparatory Department, fees.....	.....	320 00	500 00	.....
University fees.....	.....	2,887 50	.....	.....
Illinois Central freight.....	.....	906 80	.....	.....

State Appropriations.

From July 1, 1883.	Appropriated.	Received.	Expended	Balance.
Taxes on lands, $\frac{1}{2}$ per annum.....	\$5,000 00	\$4,969 06	\$4,969 06	.....
Buildings and grounds, $\frac{1}{2}$ per annum.....	6,000 00	6,000 00	4,410 36	\$1,589 64
Laboratories, $\frac{1}{2}$ per annum.....	3,000 00	3,000 00	1,467 68	1,532 32
Mech. and Arch. shops, $\frac{1}{2}$ per annum.....	3,000 00	3,000 00	1,600 00	1,400 00
Books and publications, $\frac{1}{2}$ per annum.....	3,000 00	3,000 00	1,352 42	1,647 58
Cabinets, $\frac{1}{2}$ per annum.....	2,000 00	2,000 00	201 47	1,798 53
Current expenses of inst., $\frac{1}{2}$ per annum.....	28,000 00	28,000 00	17,999 88	10,000 12
Blacksmith shop.....	2,500 00	2,500 00	2,462 09	37 91
Machines and tools.....	2,000 00	2,000 00	1,764 03	235 97
Total balance.....	\$54,500 00	\$54,469 06	\$36,226 99	\$18,242 07

Trustee Earle offered the following resolution :

Resolved, That the President of the Board of Trustees, the Regent, and the Treasurer, be and are hereby appointed a Committee on Department Accounts, and that they report to this Board at the December meeting a system of accounts relating to said several departments in the University.

Passed.

It was voted that the employment of a teacher of elocution be postponed until the December meeting.

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

WHEREAS, The Regent of the University, and Professors Morrow, Burrill and McMurtie have been appointed special commissioners from this State for organizing certain exhibits for the World's Industrial Exposition at New Orleans, and

WHEREAS, These exhibits will not only contribute to the usefulness of the Exposition and will be an essential part of the general exhibit to be made by the State of Illinois, but will be of especial advantage to the University in advertising its practical and scientific character to the world at large, therefore

Resolved, That leave of absence be granted to these gentlemen not exceeding one month each to attend the World's Exposition and attend to the arrangement of their several exhibits; the periods and times of these absences to be arranged by the Regent so as to embarrass as little as possible the working of their several departments.

The following report from Trustee Millard, from Committee on Lands in Minnesota, was received and ordered put on file :

To the Board of Trustees of the Illinois Industrial University:

GENTLEMEN—The undersigned, your Executive Committee, respectfully report that they have investigated the condition and value of lands owned by the University in Kandiyohi, Renville and Pope counties in the State of Minnesota, and from all the information your committee have been able to obtain by means of correspondence they are of the opinion that said lands have not reached a value which warrants the Board in offering them for sale. The Nebraska lands have ripened into a market value much faster than the Minnesota lands, owing to the more rapid settlement of Nebraska. The Minnesota lands are gradually improving. Their location is not as favorable as they would be if the R. R. was nearer. Nevertheless it is a question of time, only, when they will bring ten dollars and upwards an acre, and until that time comes your committee recommend that no expense be incurred in surveying or advertising such lands.

The correspondence with the chairman of your committee is herewith submitted for the better information of the Board, being three letters from G. H. Perkins, of Wilmar, Minnesota.

S. M. WILLARD,
CHAS. BENNETT.

Executive Committee.

THE CENTRAL LAND CO.,

WILLMAR, MINN., July 23, 1884.

S. M. MILLARD, ESQ.,

DEAR SIR: Your esteemed favor of 21st inst. is before me, and I am very glad to renew our correspondence. Though I am not able to make you any flattering promises of large sales of your lands in the immediate future, nevertheless my sales have been very satisfactory this season. As you will see by the above, I am now connected with a stock company, and will say that my facilities for advertising and selling lands have been greatly improved by the change. If you will send me a list of your lands in this part of the State, with your prices and terms of sale, I am confident that I can close out at least a few tracts to good advantage within coming year. With kind regards, I am

Yours very truly,

GEO. H. PERKINS,

Secretary.

WILLMAR, MINN., July 31, 1884.

S. M. MILLARD, ESQ.,

DEAR SIR: Replying to your favor of the 25th inst., in my opinion the Illinois Industrial University lands in this county will sell for from \$5 to \$10 per acre on the terms you mention, and might bring a better price next year. If they are to be offered for sale during Spring of 1885, it would be a wise plan for you to come about Sept. 1st, and look them over and fix values on them. Can spend the time to go with you after that time but not before, and then you would have ample time to make your report and have it acted upon by your Board before next Spring opens. Catalogue received. Thanks. Hoping to see you here soon, I am

Yours very truly,

GEO. H. PERKINS,

Secretary.

WILLMAR, MINN., Aug. 6, 1884.

S. M. MILLARD, Esq.,

DEAR SIR: In reply to your favor of 4th inst., I am of the opinion that only a small part of the lands of Illinois Industrial University, in this and Pope counties, could be sold for \$10 per acre within next three years. Could probably be made to average \$7 per acre by selling partly on long time with low rate of interest. They are situated so far from railroad that there is no very great demand for them as yet, for the reason that there are still plenty of unoccupied lands nearer markets.

Yours respectfully,

GEO. H. PERKINS,

Secretary.

A report from Trustee Bennett, on Nebraska lands, was received, and referred to the Executive Committee with power to act.

The following appropriations of current funds were voted, for the six months ending February 28, 1885:

Current Appropriations for six months ending February 29, 1885.

Board expense		\$300 00
Salaries		17,360 00
Buildings and grounds	\$50 00	
Fuel and lights	1,500 00	
Stationery and printing	400 00	
Military Department	50 00	
Library and apparatus	150 00	
Incidental expenses	200 00	
		2,350 00
Sundries—		
Griggs farm	\$100 00	
Physical Laboratory	35 80	
Cabinets	8 12	
Gymnasium	81 75	
Nebraska lands	100 00	
Desks—Architectural Department	7 26	
Boiler, pump and fire grenades	850 00	
Engraving, proof reading of reports	65 00	
		1,247 93
Mechanical Department	\$500 00	
Architectural	546 23	
Agricultural	658 33	
Horticultural	500 00	
Chemical	379 77	
		2,584 33
		\$23,842 26

Trustee Paden, from Auditing Committee, submitted the following report:

To the Honorable Board of Trustees of the Illinois Industrial University:

Your committee to whom was referred the Business Agent's statement, would respectfully report—

1st—That they have examined the vouchers from No. 551 to 755, both inclusive, and find them correct, also No. 548 not received at last meeting.

2d—That they have examined the Treasurer's report, and recommend that it be received and filed; and,

3d—That they recommend the adoption of the appropriations from current funds for six months closing February 28, 1885, as submitted.

R. N. PADEN,
CHAS. BENNETT,*Auditing Committee.*

The report was received and approved.

The following amounts from State appropriations were allowed to be expended:

\$25 for Chemical Laboratory.

\$150 for Physical Laboratory.

Dr. Peabody, Trustees Millard, Cobb, Follansbee, Bennett, McLean, and Treasurer Bunn were appointed a Committee on Legislation, and requested to report to the Board from time to time as they may deem necessary.

Adjourned.

E. SNYDER,
Secretary.

S. M. MILLARD,
President.