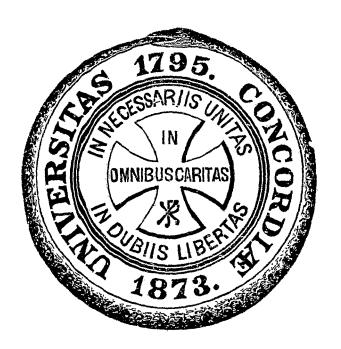
* * * THE * * * * CONCORDIENSIS

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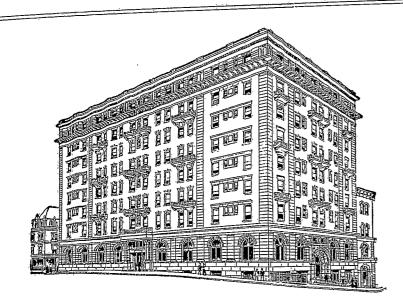
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THE CONCORDIENSIS

VOL. XXVIII.

UNION COLLEGE, MAR. 18, 1905.

No. 21

The Steam Turbine.

On Tuesday last Mr. O. Jungren of the General Electric Company lectured in the chapel on the "Underlying Principles of the Steam Turbine." He said in part:

"Lately many varieties of turbine have been proposed but only three are used extensively. These are the Parsons, De Laval and Curtis types.

"The Parsons turbine consists, elementarily, of a hollow revolving drum, bearing rows of buckets; and a hollow casing bearing stationary buckets curved in opposite direction to those on the revolving drum. The diameter of the drum increases from the inlet to the exhaust in order to accommodate the constantly expanding steam. The turbine is always made horizontally and the end thrust is balanced by pistons of the same diameter as the different sections of the drums.

"The De Laval turbine consists of a single wheel (of small size) which is made to revolve by steam forced (from a nozzle set at an angle to the wheel) into buckets in the revolving wheel. This turbine is little used because the discharge of steam from a nozzle gives only 58 per cent. of the original pressure of the steam.

"As the velocity of the steam is very great, and consequently the velocity of the turbine, great trouble has been experienced in governing the De Laval turbine. One of the novel features of the De Laval turbine is the flexible main shaft, which is made small enough to bend and overcome the dangerous vibrations caused by the high speed.

The Curtis Turbine.

"In order to overcome the difficulties experienced in the two former turbines, Curtis invented a machine to take the work from the steam in stages. That is, the turbine is divided

into two or more separate turbines (acting on the same shaft) developing equal amounts of work.

"The turbine is made vertical and has, between each two sets of revolving buckets, a set of stationary buckets to reverse the direction of the steam.

"At the first glance it would seem that the principles involved in the Parsons and Curtis turbines are the same. They are not, however, for in the latter there is no pressure difference between the buckets, while in the former there is.

"Leakage is quite an important item in the construction of steam turbines, especially as the high speed involved requires large clearance."

"The velocity of the steam is greatly reduced in passing through the turbine, and for this reason the angles of the buckets in the last set are much larger than those in the first. The initial velocity and direction of the steam may be combined graphically with the velocity of the turbine to find the resultant velocity of the steam.

"The larger turbines of the Curtis type are constructed with four stages, the reduction in steam pressure beging as follows:—168 lb. (absolute) to 58 lb., 58 lb. to 18 lb., 18 lb. to 5 lb., 5 lb. to 1 lb. The fact that the same velocity is produced by a change from 5 lb. to 1 lb. as by a change from 168 lb. to 58 lb. shows the advantage of a low entrance pressure.

"The Curtis turbine made by the G. E. Company, from 500 horse power up, is always constructed vertically, for simplicity and for saving in floor space. The weight of the whole revolving mechanism thus comes on one bearing, and this must, consequently, be a good one. It has been found that the best bearing can be produced by actually floating the revolving portion on a very thin film of oil or water. The pressure of this film of lubricant is kept just high enough

to separate the revolving and stationary disks a very small fraction of an inch. The result is an almost frictionless bearing which will carry a practically limitless weight. In the 7500 horse power turbine the revolving portion weights 80 tons and the friction at the bearing is so small that a man can turn it around with ease.

"The governing of the entrance of steam to the turbine has been accomplished by many methods. In the Curtis turbine it is controlled by a large number of valves (all under control of a governor) which produces the maximum efficiency at the least expenditure of steam, for a variable load.

"Ton pressure turbines are now being constructed and used in some quantities and are gaining in popularity.

"Turbines in general have the following advantages over the reciprocating engine. They can use steam at either higher or lower pressure, are cheaper to build, require less space, less attention, smaller foundations and less internal lubrication.

"Turbines are being used extensively not only for generators but for marine propulsion, large fans, centrifugal pumps, and other machines which can utilize high speed."

THE CLASSICS AND MODERN TRAINING.

A New Book by Prof. Ashmore.

Prof. Sidney G. Ashmore, of the department of Latin Language and Literature has just published a series of addresses suggestive of the value of classical studies to education under the title "The Classics and Modern Training." The author in his preface states that "this series of addresses is published in the hope of interesting the general reader in a few matters connected with the study of Greek and Latin, and if possible to call attention to the value of the ancient languages and literatures to education." Prof. Ashmore composed these addresses independently and in different years and has combined them in book form since each of them has behind it a purpose similar to that of the rest. The ad-

dresses that constitute the book are:

- I. A Plea for the Classics in Our Schools, with Particular Reference to Latin.
 - II. Our Classical Inheritance.
 - III. The Tragedy and Comedy of the Greeks.
 - IV. Classical Archaeology.
- V. The Olympic Games at Athens in 1896. That the book will accomplish its purpose there can be no doubt. Besides peculiarly interesting the arguments are well put and forceful. A strong argument in itself, which must appeal to the most utilitarian, is the fine English which the author, a student of the classics, commands in his book. The addresses are not merely a plea for the classics from the view point of a professor of languages, but of a scholar who appreciates what is best in literature. There is a great dearth of writings of this sort at the present time and any attempt on the part of an author to help the cause of the classics is far from unwelcome.

The Engineer and the Patent Law.

Mr. A. G. Davis, head of the Patent Department of the G. E. Works, spoke in the chapel, Tuesday night, March 7, under the auspices of the Electrical Engineering Department. Mr. Davis delivered a very good lecture on "The Engineer and the Patent Law." He said, in part: "The United States has adopted the general idea of the English patent system, but has improved it greatly.

"The Patent Law is a federal law giving to inventors the exclusive use of their inventions for a limited time, in return for which the inventor gives to the government a full, clear and precise description of his invention, so any man of ordinary education in that line will be able to construct and use the invention, from the description. The patent also contains drawings and specifications.

"A patent is a negative right rather than a positive one; that is, it does not confer upon the inventor the right to use his invention, but prohibits its sale for others.

"One of the hardest questions to decide, with regard to a patent, is what constitutes an invention. The courts have refused to define an invention, in the positive, just as they have done in the case of a fraud. An invention must be new and useful to be patented. An art, machine, manufacture, or composition of matter may be patented.

"Applications for patents should be made through a lawyer. The great progress during the 19th and 20th centuries is in great measure due to the patent system, and especially to the United States patent system. For this reason engineers should make themselves familiar with the patent laws and make use of them."

VESPER SERVICE. Dr. Ellery's Reading of Ben Hur.

At Silliman Hall, Sunday afternoon, Dr. Ellery lead one of the most interesting vesper services of the year, making the reading from General Lew Wallace's novel "Ben Hur" a feature of the service.

Dr. Ellery opened the service by reading from the twelfth chapter of John of Christ's triumphal entry into Jerusalem on Palm Sunday. He then told the story of the incident which persuaded General Wallace to write "Ben Hur." In part Dr. Ellery said:

"General Wallace when traveling by rail at one time met on his train, the great agnostic, Robert Ingersol, who invited him to come into his compartment. After some general conversation, Colonel Ingersol, who had been looking thoughtfully out of the window turned to Wallace and said: "Is there a future life? I do not know. Is there a God? I do not know. Is Christ the son of God? I do not know." General Wallace was greatly embarassed to find he could make no definite answer to these questions, and his reply to the Colonel's questions was that he was not sure. "Not sure!" said Ingersol. "These are the great questions of life and every man should be sure of all of them."

General Wallace left the compartment with his mind made up to know the answers to Ingersol's questions. He studied the Bible and biblical

authorities for a year and at the end of that time in answer to the questions wrote "Ben Hur." The book is a tale of the Christ, giving clear evidence of the religious convictions of its author.

After giving a short sketch of the character of the book Dr. Ellery read the description of the scene in the house in Jerusalem, to which Ben Hur has returned after spending several days with the "Great Nazarine" in the country outside the town. As Hur tells the story of the miricles he has seen performed his old nurse creeps out to carry the news of the approach of the wonderful Nazarine to Hur's leprosy-stricken mother and sister. They wait by the roadside until Christ robed in white, sitting on the back of a mule and surrounded by the cheering multitude comes up to them. They then push towards him and are cleansed by faith in His words to them.

After the reading Reed '06, sang "The Palms" to Dr. Ellery's accompaniment on the piano.

EDUCATION.

A Few Clippings of Interest.

Education is not a certain amount of raw knowledge which you have been able to stow away. There are many men full of facts who in a moment's conversation show they are without an education. True education is the awakening of the mind to see and enjoy—it is giving it wings by which to mount higher, to see more clearly and enjoy more fully.—The Era.

* * * *

"The self-made man is either a genius or an accident, and they are both very unusual. There are only two ways of getting ideas; one way is to originate them, and the other is to learn and apply the heritage of previous thought. Your self-made man is out in the open, he starts at a disadvantage, in that he is without guide or compass. Say, for instance, he starts out to originate ideas, to get them in their primitive, crude, raw state of inspiration from the world at large. If he is in a big city like New York, where does he go? To Broadway, Fifth Avenue, or the Bowery. He jostles about in the crowd, rubs

shoulders indiscriminately—sees the world, as he believes. He may learn shrewdness, in this hap-hazard conflict; only if he is a genius does he profit much in this course. You will notice, if you look into the matter, that the self-made man is generally a close imitator, he is always very secretive in his manner, says little, and is full of the marvelous elixir of success which he has discovered and cannot impart to others."—Pres. Butler.

* * * *

The average educated man gets a salary of \$1,-000 a year. He works forty years, making a total of \$40,000 in a lifetime. The average day laborer gets \$1.50 a day, 300 days in a year, or \$450 in a year. In forty years he earns \$18,000. The difference, or \$22,000, equals the value of an education. To acquire this earning capacity requires twelve years at school of 180 days each, or 2,160 days. Divide \$22.000, the value of an education, by 2,160, number of days required in getting it, we find that each day at school is worth a little more than \$10 to the pupil.—News, Kansas.

* * * *

The latest report of the United States Commissioner of Education gives interesting figures with regard to the influence of education upon success in life. The standard of success used is the inclusion of the name among the 10,000 persons mentioned in the latest "Who's Who in America." Of this 10,000, the number "with college training" was 7,709. This number in itself is significant, but when it is also remembered that the 7.709 are all from a class not numbering more than 300,000 in all, while the 2,291 are the only distinguished ones out of all the remaining body of male adult persons, it is computed that the chances seem to be two hundred to one in favor of the highly educated ones.

Y. M. C. A. NOTES

The annual election of officers occurred after the regular meeting Tuesday night. The following were elected:

At Vesper service, next Sunday a song service will be held. The stories of some of our most famous and familiar hymns will be given. It is expected that two soloists from the city will be present.

On account of examinations, there will be no prayer meeting next week, or Vesper service the Sunday following.

Waldron, the newly elected president, will attend the student Y. M. C. A. president's conference to be held at Wesleyan college, Middletown, Conn., on March 30-April 2.

The last cabinet meeting under the old administration was held Friday afternoon. Little business was transacted, most of the time being occupied with the reading of reports of the year's work. The prospects are quite bright for increased activity of the association during the coming year.

The student conference at Northfield, this year will be held from June 30 to July 9. Although it is too early to give a complete list of speakers among those who have already promised to be present are Mr. Robert E. Speer; Rev. G. Campbell Morgan, of London, Eng.; Prin. R. A. Talconer, of Halafax, Nova Scotia; Dr. Endicott Peabody, head master of Groton School, and John R. Mott, who will preside.

As usual, there will be normal Bible classes; mission study classes; separate conferences on problems of student association work for preparatory schools, colleges, universities and professional schools. For the first time, there will be a class for the study of home opportunities and work, led by Mr. John Willis Baer.

Y. M. C. A. IN OTHER COLLEGES

A department of the student association work, started last year and greatly extended this year, is the fraternity Bible class. It is just a year ago last February that a number of leading fraternity

men in the University of Michigan met and formulated a plan by which Bible classes were started in a dozen fraternities. The plan met with success from the start. At the student conferences last summer, the delegates were made acquainted with the method of organization and maintenance of such classes and many of them promised to endeavor to organize them in their respective colleges. A partial report gives the number of fraternity classes at present as 68 and the total enrollment as 798 men.

The second annual conference of leaders in the professional school Young Men's Christian Association of the East was held at Princeton University, February 17-19. It was attended by 38 students from 20 institutions of Boston, New York, Philadelphia and Baltimore, as well as by ten secretaries and speakers. The conference was devoted to a thorough discussion of the practical problems of religious work in the professional schools and gave a valuable impetus to this difficult work.

At the Mt. Hermon School, Mass., founded by Mr. D. L. Moody, the association furnishes speakers and Sunday school teachers for churches within a radius of five miles.

Recently 44 college associations reported having a mission study enrollment ranging between 50 and 267.

The "Day of Prayer" was observed in the numerous colleges in various ways.

Through the efforts of the University of Illinois association, six local pastors devoted one of their Sunday services to the association movement, particularly to the student work.

The leaders of the University of Toronto association had men speak in twelve of the largest churches of the city, to audiences aggregating about 10,000 people. So much interest was aroused in association work, that they have been asked to repeat the story in other churches.

At the U.S. Naval Academy, Annapolis, Md., the subject presented was the significance of the world-wide student movement, with special reference to the opportunity of the naval officer to see and help in the work of the association in

other lands.

At Oberlin, the "Day of Prayer for Colleges" marked the climax of association activity. At a special meeting held on that day 53 men confessed Christ for the first.

THE SNOW BALL SCRAP.

Victory for Sophomores.

One more snow-ball scrap has come, been fought, and gone down into history with the memory of bruises, bumps and torn clothing. It had looked as though the scrap would never come off this year, there having been so few convenient mornings that seemed to fill the bill. That being the case, when last Friday morning dawned with a considerable wetness, although ice was where there would have been snow a month earlier, it was officially decided that the time was ripe. But it was a difficult matter to convince the under classes that such was the case. After a good deal of moral suasion and considerably more physical suasion, however, the Juniors managed to get the row underway. It then managed to work itself out.

The "Sophs" claim victory and not without justice. The Freshman president, fighting hard, was put over the terrace early in the struggle. The Sophomore president did not follow him for the reason that he was flat on his back most of the time, with a faithful body-guard of some dozen Sophs sitting on him. Here was the thickest of the fight.

The fight was a little out of the usual for two reasons. There was no preliminary snow-ball scrap because of the scarcity of snow. Instead of water, the gully at the foot of the terrace was filled with several inches of black mud, effectually marking any unfortunate who was once in it. The time occupied was not long, peace being fully restored in half an hour.

In the intercollegiate oratorical contest held at Rochester last night Union's representative, Thomas M. Holmes '05 spoke on "Ethics and Modern Progress."

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In another column are printed some clippings that pertain to the value of education. These should prove of special interest to us at the present time. As the end of the winter term is approaching with examinations close at hand we are apt to realize more than ever the importance of our regular college work. The chief aim in coming to college is to gain an education. Why? Because experience has proved that the educated man starts life with greater assets and thus better qualified for success than the uneducated. It was with the end in view of higher education that colleges were established. Granted then that a college stands primarily for education, does it not follow that the college man who does not make education his chief aim loses the greatest advantage college life can give him? The man who enters with the purpose of just skinning through and of paying as little attention to his work as possible is not a typical college man.

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We are now face to face with examinations. The way we pass them will show our true attitude towards the value of education. The man who is content to just pass in his work will not amount to much. If he is satisfied with sixty instead of doing the work that would enable him to ninety he denies himself, in just so much, the advantage his college course can give him. The term we are finishing is generally conceded to be the best term for work. Let us then as we take the examinations show that, to the best of our ability, we have made use of what Union as a college offers us, and thus in a practical manner express to Alma Mater our appreciation of the value of a college education.

The winter term is at an end and as we look back we ask ourselves. "Has it been satisfactory from an athletic standpoint?" Some probably answer "By no means; we have had no basketball team, no hockey

team; nothing upon which to concentrate our athletic interest." All this is true, but when we stop to consider how much we have accomplished towards the securing of basketball and hockey teams for next year we can not help but feel satisfied. This vear is the transission from no regular winter athletics at all to officially recognized branches of winter sport. As regards hockey, early in the winter several of the college fellows demonstrated their ability by defeating the Mohawk Golf Club. Ground has been levelled and money expended on a rink which next year, barring accidents. should suit the needs of a regular hockey team.

As regards basketball surely enough has been done to show the college as a whole and the Athletic Board what est and what material there is in college for the formation of an official basketball team. At the beginning of the season the Athletic Board refused to recognize basketball as a branch of college athletics on the ground that everything regarding success in this line was mere conjecture—that they had nothing definite to go by as to Union's chances for turning out a good team. This winter by a series of interclass games it has been clearly demonstrated that the possibility we have for turning out a strong team should be made use of. There is excellent material in the two lower classes and abundant interest in the game throughout the college. Now what we have accomplished in athletics this winter should not be neglected but turned to good account. Let those who have Union's athletic interests at heart for next winter follow up the present results. By so doing there is every hope that when another winter term is under way Union will be represented officially by a hockey team and a basketball team.

Next week being examination week there will be no issue of the Concordiensis.

Library—Recent Additions.

Arrhenius—Text-book of Electro-Chemistry.

Boltzmann — Vorlesungen uber Maxwell's theorie, V. I.

Campbell—Elements of Calculus.

Fowler—History of Roman Literature.

Hulsen—Das Romanum Forum.

Little and others-Immortality.

Mitchell—Organized Labor.

Poincare—Maxwell's Theory and Wireless Telegraphy; trans. by Vreeland.

Salva—Gramatica de la Lengua Castellana.

Santayana—Sense of Beauty.

Webster—Dynamics of Particles and of Rigid, Elastic, and Fluid Bodies.

Who's Who for 1905.

World Almanac for 1905.

New Periodical.

Elecrochemical and Metallurgical Industry—Complete set.

PHARMACY.

The final examinations commenced on Wednesday with Dr. Laird on microscopy.

The past week has seen the last of the lectures. Each lecturer on completing his lectures was hailed by cries of "Speech! Speech!" Dr. Huested's little heart to heart talk was attentively listened to and much appreciated.

On Monday the Seniors competed for the alumni prize of twenty dollars offered for the best lot of prescriptions compounded. Those chosen were an emulsion, a liquor, an ointment, pills and suppositories. The emulsion seemed to give the most trouble but many very creditable preparations were turned in. How many of them were turned down remains to be seen.

At a meeting of the class of '05 on Monday night it was unanimously voted to turn over to the college building fund whatever might be left in the class treasury. This will unfortunately not be much but will serve to show the class sentiment and its appreciation of the faculty and the college.

EXAMINATION SCHEDULE.

Senior Class.			9	2		
			_	ϑ	ind	
9 (Monday Sociology	2 Spanish		(Monday Tuesday	Biology	Int. French.	
A. B. Biology	Eng. Poetry.	B. S.	Wednesday	Physics	Eng. Lib.	
Ph. B. Wednesday Eup. Hist.	German. Ethics.		Thursday Friday	History	Chem. Lab.	
B. S. Thursday Greek			((Calculus II.	Calculus III	
(Friday Morphology.		*	Monday	Des. Geo. I. Calculus I.	Calculus III	
	Bldg. Const. Sewerage.	В. Е.	J Tuesday	Des. Geo. II.	Physics.	
&S Wednesday Eng. Design	Least Squares.	4	Wednesday Thursday		Eng. Lit.	
(Monday Elec, Rays	Elec. App. Design.		l Friday	Chemistry.		-
B. E. Tuesday A. C. C. Wednesday Mod. Th.	Tech. German. Mech. Technology.				·	
Thursday Transmission,	nicon. I conniving.			Freshmen C	lass.	
Friday Transient Phenomena.						
Junior Class.				9	2	3
9	2		(Monday		Algebra.	_
A. B. (Monday Am. Hist.)	Latin. Spanish.		Tuesday	Rhetoric	.,	Physiology.
Ph. B. L. Biology.	Greek. Argumentation.	A. B.	Thursday	Greek. Latin.		
B. S. Wednesday Physics.	French. Anglo Saxon.		l Friday	El. French.		
Thursday Eng. Lit. Chemistry.	Anglo Mazon.		Monday	(German III. German I.	Algebra.	
B. E. (Monday Kinematics. Am. His.	Pavements.	*	Tuesday	Rhetoric.		Physiology.
(Gen.) Wednesday Mechanics.		Ph. B.	retinestas	{ French. { German II.		
Thursday Spher. Trig. & Astonomy Friday	Nat. Perspective.		Thursday Friday	Latin. El. French.		
Monday A. C. C.	Steam Eng.		(11111111111111111111111111111111111111	(Algebra II.		
B. E. Tuesday Am. Hist. (Elec.) Wednesday D. C. C. Thursday Hyd. Turb.	Mech. Tech.		Monday	{ German III.	French II.	
Thursday Hyd. Turb. Friday Math.	Nat. Perspective.		Tuesday	German I. Rhetoric.		Physiology.
		B. S.		French III. German II.		
Sophomore Class.			Wethert y	/ Algebra I.	<i>T</i>	
9	2		Thursday	(Algebra III. German IV) Algebra IV. Prench I.	•	
(Monday Latin Tuesday El. Germ.			(Friday	Chemistry.		
A. B. Wednesday Physics.	The Table		Monday	Algebra II. - German III.	French II.	
Hist.	Eng. Lit.			German I. Rhetoric I, III.		Mech, Drawing II.
(Friday Greek. (Monday Latin		В, Е.	Tuesday	(French III.	mcon. in a wing i.	THE COMMENT OF STREET
Tuesday	Int. French.) Wednesday	{ German II. Algebra I.	_	
Ph. B. Wednesday Physics Math. Thursday	Eng. Lit.		Tnursday	(Algebra III. Algebra IV German IV. French I.	<i>T.</i> .	
Friday (Hist. Chemistry.	Chem Lab.		Friday	Mensuration I, II.		

The Interclass Meet.

The interclass indoor athletic meet was held Wednesday night at the State Armory before a small but enthusiastic audience, and was won by the class of 1908 with 1906 a close second. There is some very promising material in the Freshman class which will undoubtedly prove valuable in our intercollegiate contests this spring. Vincent and Shutler made the best showing for the Freshmen, each scoring 10 points. Hildreth, Bacon and Hafley also showed up well. Raymond was the sole representative of 1905 and succeeded in landing 13 points for his class. The honors for the Juniors were shared by Waldron who scored 14 points, Hagar, Norwood and Dwight.

The events were as follows:

40 Yard Dash.

Won by Vincent, '08; Hafley, '08, second; Hagar, '06, third. Time, 4 4-5 seconds.

40 Yard Hurdle.

Won by Raymond, '05; Wright, '07, second. Time, 6 seconds.

Running High Jump.

Won by Waldron, '06; Raymond, '05 and Dwight, '06 tied for second. Height, 5 feet 1 inch.

1000 Yard Run.

Won by Raymond, '05; Parsons, '08, second; Wright, '07, third. Time, 2:57 1-5.

Three Continuous Jumps.

Won by Hagar, '06; Waldron. '06, second; Dwight, '06, third. Distance, 28 feet 1 1-2 inches.

Shot Put.

Won by Norwood, '06; Fullerton, '08, second; Waldron, '06, third. Distance, 29 feet 9 inches.

300 Yard Run.

Won by Shutler, '08; Hildreth, '08, second; Hagar, '06, third. Time, 44 seconds.

Pole Vault.

Won by Shutler, '08; Bacon, '08, second; Raymond, '05, third. Height, 9 feet, 1-4 inch.

600 Yard Run.

Won by Waldron, '06; Hafley, '08, second; Flowers, '08, third. Time, 1:36.

Running Broad Jump.

Won by Vincent, '08; Dwight, '06, second; Hafley, '08, third. Distance, 19 feet, 2 inches.

Relay Race.

Won by 1908; 1906 second; 1907 third. Time, 1:22 2-5.

Summary—1908, 45; 1906, 35; 1905, 13; 1907, 5. The officials were:

Referee,

Mr. Sanders.

Judges,

R. Cunningham, C. F. F. Garis, G. E. Van Loon. Timers,

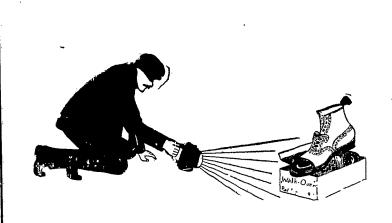
W. C. Yates, William Hardman, L. L. Odell, '05.

Starter,

Dr. H. L. Towne,

Clerk of Course,

A. J. Thomson, '05.



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A VIEW OF FOOTBALL. From an Unexpected Quarter.

I am Hausmutter in a large Southern university, where we pride ourselves on our 'varsity football team, and I think a few facts from one of the "insiders" might not be out of place.

When our boys are not well or are smoking too much, or sitting up too late, eating indigestible food, too lazy to keep up gymnasium work, too dull to study, with what eagerness do we look forward to the training season for football! Within a week what a difference! No smoking, "early to bed, early to rise," football diet, enthusiastic "gym" work, clear brains for study, the steadfast look in the eyes that comes from self-control and concentrated purpose. The very orders of the football field become the source of daily inspiration of life. When a boy tries to inspire a younger brother to attack a difficult lesson, what possible words would be as potent as "Buck the center, kid; don't be a quitter!"

Boys at other times called "goody-goody" come to the front as fierce tackles, and every "goody" word they say afterwards carries weight and influence.

When we gather by the evening fire there's sometimes an experience meeting. On one occasion football was the theme. One of the most aggressive players, "lion on the line," a boy of unflinching moral purpose, an almost brutal frankness on the side of the right, and a tower of strength physically and morally in every good work, led the talk. "Did you know, Hausmutter, I was no end of a coward before I played football?" A groan of derision went round the fire.

"It's solid fact. I was always so big no boy of my age thought of attacking me, and I never was hazed. But I absolutely dreaded a collision with any one who differed from me, and without football I'd have sneaked along through life. But football gave me courage, and I'm glad to say I do enjoy playing on the weaker side and tackling a bigger man and carrying things with a rush."

"Whew! hand over your trumpet, please; we'll blow it for you," say two or three juniors.

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Then a theologue, who is thought to be one of the most spiritually-minded of men, but who is a splendid center rush, too, says: "Well, let others abuse football as they please, all I reply is, that I need it." And so the conference ended.

(The Outlook.)

Prizes for Economic Essays.

In order to arouse an interest in the study of topics relating to commerce and industry and to stimulate an examination of the value of college training for business men, Prof. J. Lawrence Laughlin, University of Chicago, chairman; Prof. J. B. Clark, Columbia University; Prof. Henry C. Adams, University of Michigan; Horace White, Esq., New York City, and Hon. Carroll D. Wright, Clark College, have been enabled, through the generosity of Messrs. Hart, Shaffner and Marx, of Chicago, to offer again in 1906 four prizes for the best study on any one of the following subjects:

1. To what extent, and by what administrative body, should the public attempt to control

railway rates in interstate commerce?

- 2. A just and practical method of taxing railway property.
- 3. Will the present policy of the labor unions in dealing with non-union men and the "closed shop" further the interest of the workingmen?
- 4. Should ship subside is be offered by the government of the United States?
- 5. An examination into the economic causes of large fortunes in this country.
- 6. The influence of credit on the level of prices.
- 7. The cattle industry in its relation to the ranchman, feeder, packer, railway, and consumer.
- 8. Should the government seek to control or regulate, the use of mines of coal, iron, or other raw materials, whose supply may become the subject of monopoly?
- 9. What provision can be made for workingmen to avoid the economic insecurity said to accompany the modern wage-system?

A first prize of \$1,000, and a second prize of \$500 in cash, are offered for the best studies presented by class A, composed exclusively of all persons who have received the bachelor's degree from an American college in 1894, or thereafter, and a first prize of \$300, and a second prize of \$150, in cash are offered for the best studies presented by class B, composed of persons who, at the time the papers are sent in, are undergraduates of any American college. No one in class A may compete in class B; but anyone in class B may compete in class A. The committee serves to itself the right to award the two prizes of \$1,000 and \$500 to undergraduates, if the merits of the papers demand it. The papers must be submitted by June 1, 1906.

ALUMNI.

'58.—Rev. Silas R. Jones died at Burnt Hills, N. Y., March 11, 1898.

* * *

'62.—Jeremiah Hiatt Little died at his home at Yellow Springs, Ohio, Feb. 19, 1905 of the grip. Mr. Little was born at Grape Grove, Ohio,

NOTICE

TO COLLEGE STUDENTS

No doubt you are one of many who has thought of what would be needed, to refresh the wardrobe this spring and summer season. Our line is complete, on the newest colorings and designs, for custom made and ready to wear clothing. Special attention in fit, workmanship, style, trimmings and etc., will be your order, you will be absolutely certain in getting exactly what you want, we guarantee you satisfaction or money refunded.

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July 21, 1825. He entered Antioch College, but took his senior year at Union College. He engaged in the drug business at Yellow Springs after graduation, but was forced to give it up owing to ill-health. In late years he had dealt in grain and stocks. He was married to Mary Baker, Sept. 12, 1862. He is survived by Mrs. Ella Adams and Miss Adda Little, of Yellow Springs, O., and Mrs. Ernest Young, of Fort Dodge, Ia.

COLLEGE BRIEFS.

Manager Chapman expects copies of the 1906 Garnet either to-day or Monday.

* * * *

McIntosh '07, was suddenly called from college Wednesday by the death of his grandfather.

The finals trials for the debate with Rutgers to take place in Schenectady April 7 have been held. Dean Ripton for the judges announces the selection for the team of Raymond, Waldron and

Wright; alternate, Holmes.

Summer Work For Bright Students.

The State Superintendent of the New York Anti-Saloon League writes us that the League would like to employ some of the bright men of the Sophomore and Junior classes for attractive out-door work during the summer vacation. Full particulars will be sent upon application to Reverend Howard H. Russell, 67 West 125th Street, New York City.

Corrections.

The following should be noted in last week's article "Building Sacrifices in Modern Greece":

Par. 1, l. 6, for where read Where; l. 11, for fey and fusbanella read fez and fustanella.

Par. 3, 1. 7, for Zeunus read Zeus.

Par. 6, 1. 4, for Arba read Arta, 1, 5, for failed read toiled.

Par. 7, l. 1, for Arba read Arta, l. 5, for Zanbe read Zante.

The poem in the last issue entitled "Ich Bin Dein" though submitted by H. E. C. was not original with him. We regret that he did see fit to send with the poem the name of the author if he knew it.

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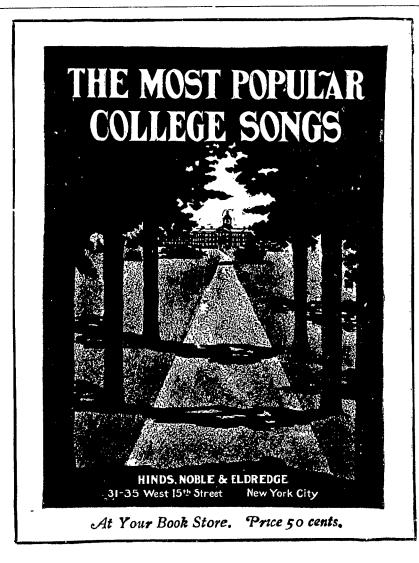
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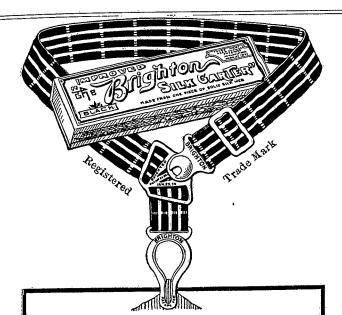
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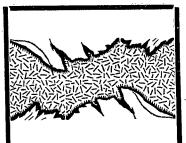
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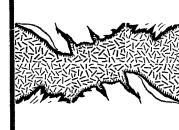
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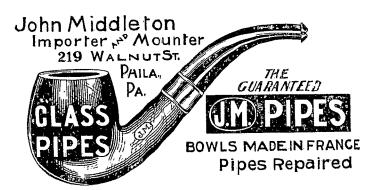
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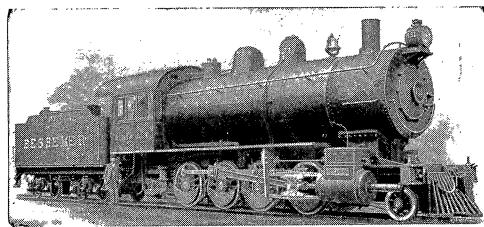
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