

THE TECH

Boston, Massachusetts.

November 15, 1894.

Volume XIV.

Number 8.

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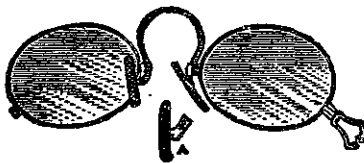


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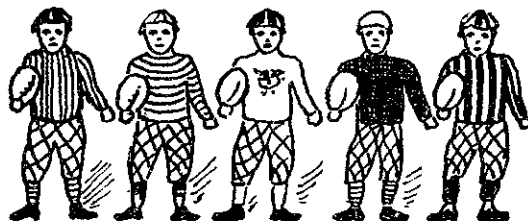
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... CALENDAR ...

- November 15th.—Meeting of the Geological Society in Room 14, Rogers, at 4.15 P. M. "Ancient Architecture," Professor Homer, Room 12, Architectural, at 7.30 P. M. "Advanced English Composition," Professor Arlo Bates, Room 21, Rogers, at 7.45 P. M.
- November 16th.—"Historical Geology," Professor Niles, Room 11, Rogers, at 7.45 P. M. "The Laws and Theories of Chemistry," Professor Noyes, Room 23, Walker, at 7.45 P. M. "The Rise and Development of Prose Fiction in France," Professor Van Daell, Room 22, Walker, at 8 P. M. "General Chemistry," Professor Pope, Room 35, Walker, at 7.45 P. M.
- November 19th.—Meeting of L'Avenir in Room 23, Walker, at 4.15 P. M. "Ancient Architecture," Professor Homer, Room 12, Architectural, at 7.30 P. M. "Historical Geology," Professor Niles, Room 11, Rogers, at 7.45 P. M.
- November 20th.—"Advanced English Composition," Professor Bates, Room 21, Rogers, at 7.45 P. M. "The Laws and Theories of Chemistry," Professor Noyes, Room 23, Walker, at 7.45 P. M. "General Chemistry," Professor Pope, Room 35, Walker, at 7.45 P. M.
- November 21st.—Cane Rush and Football game, South End Grounds, 2.30 P. M.

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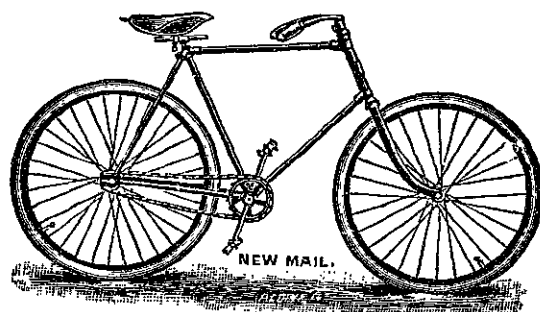
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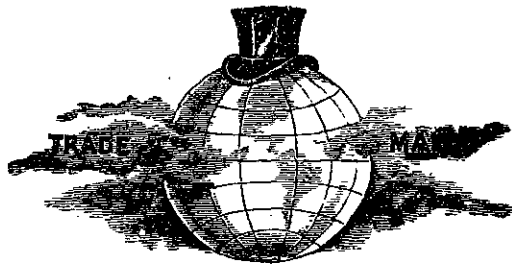
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THE TECH

VOL. XIV.

BOSTON, NOVEMBER 15, 1894.

NO. 8.

THE TECH

Published every Thursday, during the college year, by students of the Massachusetts Institute of Technology.

ANDREW DANIEL FULLER, '95, *Editor in Chief.*

CHARLES GILMAN HYDE, '96, *Assistant Editor in Chief.*

JOHN HOWLAND GARDINER, '95.

WILLIAM E. DAVIS, JR., '95.

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EDWARD ARTHUR BALDWIN, '96, *Secretary.*

H. P. CODDINGTON, '95, *Business Manager.*

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For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

Contributions are requested from all undergraduates, alumni, and officers of instruction. No anonymous manuscript can be accepted.

Entered in Post Office, Boston, Mass., as Second Class Matter.



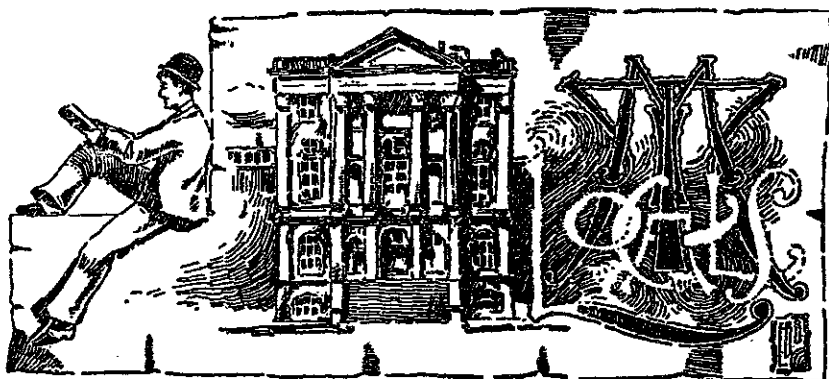
GR^{EAT} dissatisfaction arose last year and is again manifested, at the tardy manner in which the Architects' designs are judged. A few years ago the problems were prepared by the Professor of Design, and the students' work was criticised by him daily. The problems were judged by a jury of Boston Architects, and a criticism of the drawings *ensemble* was made by either the Professor or the Instructor in History of Ornament. A gradual change took place, and now the criticism, awarding of mentions and final criticism is performed by the Professor of Design; the tendency of which is to cause the design of every student to assume the characteristics favored by the Professor, since every man wishes his design to obtain as high a mention as is possible. Granting that this

is the best method, it seems strange that designs should remain in the office so long that other drawings are well on their way, and the criticism becomes practically useless.

AS if in direct response to the editorials of The Tech in its last two issues, the beneficial results of the training table are to be supplemented by the work of an efficient coach. Mr. Wilson, '94, of Harvard, has been engaged to train the eleven until Thanksgiving Day and the Brown game. Since the Technology-Brown game at the South End Grounds, October 24, Brown has been making rapid progress in style of play, interference and snap, while Technology has advanced in these respects very much, though more slowly. In view of the desirability of making a good showing at Providence on the twenty-ninth, it is hoped that the establishment of the coach will be an important factor toward gaining strong team work, and so become the precursor of a second victory.

WE take pleasure in calling attention to the fact that Mr. Charles R. Boss, a graduate of Course IX., and formerly of The Tech Board, has been elected a member of the Connecticut State Legislature from New London. The honor is all the more marked because New London, though a city of about 15,000 inhabitants, is, according to the peculiar provisions of the Connecticut Constitution, allowed only two representatives, and also because Mr. Boss received the largest number of votes cast for any of the candidates, in spite of the fact, as was generally understood, that he was opposed by the "machine" of both parties. He was twenty-three years of age the first of November, and will be the youngest member of the incoming legislature.

IT has once more become necessary to call attention to the fact that all anonymous contributions, however excellent in themselves, cannot be published. During the past few weeks a considerable amount of material, in many cases suitable for publication, has been thrown aside for this reason. Moreover, such copy, when received from men trying for the Board, is consequently not credited, and is doubly useless.



Six men from Andover entered Technology this fall.

H. E. Davis, '95, is with Shepley, Rutan, & Coolidge, architects.

Over two hundred Freshmen have signified their intention of joining in the rush.

Professor Puffer began his course of lectures on Dynamo Construction last Thursday.

A beautiful iron lamp has been placed at the entrance of the Architectural Building.

It is a matter of regret that Mr. Barker, '96, is unable to sing with the Glee Club this year.

The engagement is just announced of F. B. Abbott, '93, to Miss Alice G. Dunn, both of Lynn.

M. H. Hunt, '93, spent a few days at Tech on his way home from an extended trip abroad.

Sargent, '98, has finished his engagement with B. A. A., and is playing with the Freshman team.

Messrs. Liefer, Mara, and Willis, '98, have been appointed to serve on the Cane Rush Committee.

H. O. Marcy, Jr., a student at the Harvard Medical School, is taking a course of lectures at Technology.

"Ned" Andrews, '94, has been playing fullback on the Chicago Athletic team during its Eastern trip.

The cane rush committee from the Sophomore class consists of H. W. Allen, W. T. Parker, F. M. Fenton.

Charles Royce Boss, '94, a graduate of Course IX., was recently elected to the Connecticut State Legislature.

The course in Business Law is omitted this year, and the time formerly allotted to it is transferred to Political Economy.

A prize of five dollars has been offered for the best drawing for '95's picture in "Technique," and five dollars for the best '95 history.

The annual meeting of the Massachusetts Indian Association was held in Room 11, Rogers, on Wednesday, November 7th, at 12 M.

Robt. S. Ball, '91, formerly of Newcastle, England, is chief draughtsman of the Louisville and Nashville Railroad, at Nashville, Tenn.

Notes on Military Science, part V., may be obtained at the Bursar's office, where a payment of fifty cents must be made for the whole series.

At a meeting of the Andover Club, on November 6th, it was decided to have a dinner about December 1st, at which the election of officers will take place.

At a meeting of the Society of Arts on Thursday, November 8th, Mr. William Danmar, of Brooklyn, read a paper on the Colonial Style of Architecture.

Attention is called to the catalogue proofs of the lists of students which have been posted on the bulletins. Corrections should be handed to the secretary at once.

The *Army and Naval Journal* of last week contained an account of our game with West Point, referring to it as one of the most enjoyable features of the football season there.

Mr. Wilson, Harvard '94, has been engaged as coach for the remainder of the football season. It is hoped that a number of men will turn out in order that the 'Varsity may have a second eleven to play against.

The gray cover which appeared on the Tech for the first time last week, will be used in all further issues. The paper is manufactured expressly for our publication, and is supposed to reproduce, as nearly as may be, the silver-gray of Technology's colors.

Captain Bigelow states that he will hold a competitive examination in December to determine what men in the class are most proficient in Tactics. The commissions and noncommissions will be awarded in order of merit, according to the result of this examination.

Captain Thomas took his team to Lowell last Saturday afternoon to play a supposed picked team from the Haverhill Athletic Club, but was much surprised and disgusted to find that it was composed of high-school boys. Soon after arriving the team returned to Boston.

The Freshmen held a class meeting in Room 11, Rogers, last Saturday at 12 o'clock. An amendment to the Constitution was proposed "to have one seventh of the members of the class constitute a quorum rather than one fourth." H. Jones, all-round athlete of the Cambridge High and Latin School, was elected Athletic Manager, and A. Sargent, Athletic Captain. The cane rush was discussed, after which the meeting adjourned.

L'Avenir met in Room 23, Walker, on Friday afternoon, November 2d, at 4.15 P. M. Mr. Gerard Matthes gave an interesting talk, describing methods used in the West for pro-

tection against cyclones. The society decided to have a French dinner in genuine Gallic style in the near future. Messrs. Norris, Fitzgerald, and Schoentgen were appointed a committee to arrange for the dinner. The programme committee for the next meeting consists of Messrs. Norris, Winslow, and Kleinschmidt.

The Senior Class held a meeting last Wednesday for the purpose of considering a method of electing the class-day officers. The plan submitted by the committee chosen last year was adopted, with a few minor changes regarding the grouping of courses for representation. It was voted to elect a senior photographic committee to look after the senior photographs, and to issue a portfolio if it was found to be advisable. The election for Captain of the class athletic team resulted in the choice of C. F. Tillinghast.

The Institute Committee will consist for the present term of the following men: A. L. Canfield, G. W. Hayden, J. D. J. Moore, '95, E. A. Baldwin, H. G. Fisk, C. G. Hyde, '96, H. W. Allen, G. M. Lane, H. D. Noble, '97, W. M. Hall, '98. At the beginning of next year two more members from the Freshman class will be elected. At the first meeting of the committee, held Monday noon, November 5, in Room 11, Rogers, A. L. Canfield was formally made President, E. A. Baldwin, Vice President, G. W. Hayden, Secretary.

The first meeting of the '96 Executive Committee was held Tuesday afternoon, November 6, in Room 11, Rogers. It was decided to make the following recommendations to the class at its next meeting: that the several committees on Junior Dinner be elected this term, and that the Dinner be held early in February; that the class picture be taken the following week, Thursday, and that notices be posted and announced wherever possible; that two prizes of five dollars each be given by the class to induce a competition for the full-page design preceding the class history and for the history itself.

The *Engineering Mining Journal* of the 13th of November, 1894, says: Prof. G. Lunge, who was sent by the Swiss government to the World's Fair to make a special study of the chemical industry and the technical chemical schools of the United States, says in his report, about the Mining and Metallurgical Laboratories of Technology: "Without hesitation I can say that I do not know of anything in Europe which can compare with the apparatus of the Massachusetts Institute of Technology. The students obtain such a practical knowledge of metallurgical processes in the laboratory, that they are able to make direct use of it on a large scale."

The Society of Arts.

THE last regular meeting of the Society of Arts was held in Room 11, Rogers, November 8th, with President Walker in the chair. An amendment to the By-laws was proposed, making the quorum of the Executive Committee to consist of three, instead of four members. President Walker then introduced the lecturer, Mr. William Danmar, of New York City, who spoke on "Old Colonial Architecture." Mr. Danmar divided the subject into three periods: 1. The Colonial Period, 17th century, which was subdivided into the English Colonial of New England, and which gives the best examples of wooden architecture in America; the Dutch Colonial of New York, and the French Colonial of the South; 2. The Provincial Period, 18th century, to the Revolution; 3. The Federal Period, from the Revolution to 1815, when heavy Greek porticos appeared. Each period was splendidly illustrated by views from the stereopticon. Houses built in the separate periods were contrasted with more modern work, showing an improvement in the design of later houses, but a tendency to mix characteristics of distinct periods. The important features of the several periods were illustrated, together with splendid details and interiors. Attention was called to the

slender proportions which manifested themselves more and more as the style developed, and to the strict adherence to forms set forth by Vignola and Palladio. The Old Colonial is the American Renaissance in Architecture. It was developed at a time when communication with other countries was comparatively slight, and such limitation is sure to result in the formation of a national style. Our architect builders made of wood stone forms with sufficient delicacy and beauty to secure the name of a style truly American, and the Old Colonial should be favored by us as the expression of our sturdy forefathers.

Technology, 6; Bowdoin, 6.

TECHNOLOGY played a tie game with Bowdoin last Wednesday under the most unfavorable conditions. The field was covered with snow and slush, and the players were so cold that there was much unavoidable fumbling on both sides. In spite of the disagreeable weather, quite a crowd assembled to cheer the teams, and the work of several players well deserved encouragement.

Technology's line was weakest at the tackles, but it is hoped that Aultman, who was played for the first time Wednesday, will prove a good man at right tackle. Center was strong as usual, and Manahan handled Dennison with ease, but the Bowdoin backs supported their line so well that Tech made most of her gains around the ends.

Rockwell did the best work of the backs, and, considering the bad condition of the ground, some of his runs were excellent. Thomas did some very fine interfering, and gained most of the ground through Bowdoin's line. The interference during the first half was fully up to the standard, and shows steady improvement.

The Bowdoin eleven had little team work, and their interference was ragged. They gained most of their ground by bucking the line, and in this they were greatly aided by the weight of their center.

The game began at 3.30 on a kick-off to Rockwell, who was downed after running five yards. From Tech's 35-yard line Rockwell, Thomas and Underwood carried the ball for good gains around the ends and through the center, and Tech scored after five minutes' play without having lost the ball once. During these plays the team showed a snap and team work that was very encouraging, and the choice of plays was very good indeed. Underwood kicked a difficult goal, and the score was 6 to 0.

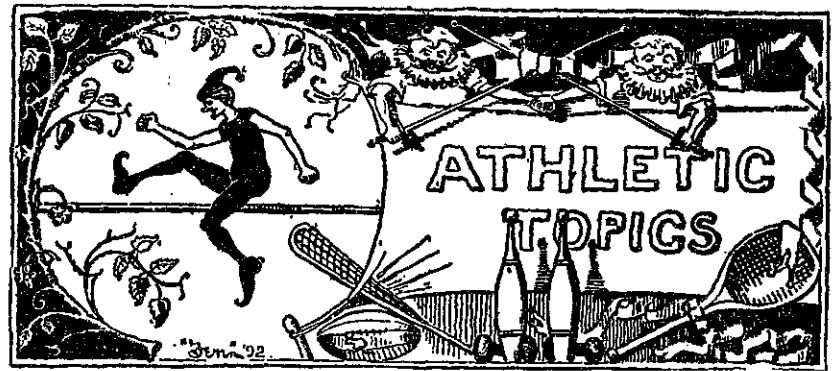
Bowdoin kicked to Underwood, and soon recovered the ball on off-side play. After a few short gains the ball changed hands three times on Tech's 10-yard line. Good gains were made by Rockwell and Ames, and time for the first half was called with the ball on Tech's 40-yard line.

In the second half Rockwell kicked off, and Bowdoin was forced to punt after slight gains. Rawson broke through, blocked the kick, and ran twenty yards before he was tackled. Technology now carried the ball to Bowdoin's 7-yard line, and a touchdown was expected at any moment. One of the Bowdoin line kicked the ball, and it shot out to the right beyond the reach of any of Tech's backs. Fairbanks seized the ball and ran the entire length of the field, scoring a touchdown. Referee Andrews had no reason to suppose that the ball was not in play, and as a goal was kicked the score was 6 to 6.

During the remainder of the game the ball was near the center of the field, and neither goal was threatened.

The teams lined up as follows:—

TECHNOLOGY.		BOWDOIN.
Rawson.	l. e. e.	Foster.
Washburn.	l. t. e.	Kimball.
McCormick.	l. g. e.	Bates.
Manahan.	c.	Dennison.
Le Moins.	r. g. l.	Stone.
Aultman.	r. t. l.	Dewey.
Ames.	r. e. l.	Hicks.
Mansfield.	q. b.	Knowlton.
Thomas.	} h. b.	{ Mitchell.
Rockwell.		{ Stubbs.
Underwood.	f. b.	Fairbanks.



All Sophomores and Freshmen are requested to be on hand for the Cane rush, which takes place November 20th.

H. L. Wardner, '93, who played end on the '92 Varsity eleven, is playing end on the Crescent Athletic Club team this season.

Lieutenant Aultman, a West Point graduate, who has been stationed at Fort Warren, is taking a few courses at the Institute. He played tackle on the Military Academy team, and will play guard for Technology in the remaining football games.

At the request of the management at Wesleyan the football game with M. I. T., scheduled for November 10th, was canceled. Owing to the poor showing made by the team this season and the consequent lack of interest, Wesleyan could not afford to give the necessary guarantee.

The following events will be contested at the annual indoor class championship games to be held in the gymnasium on Saturday, December 8th, at 2 P. M.: 35-yard dash, 35-yard hurdle, potato race, putting the shot, running high jump, fence vault, pole vault, standing three jumps.

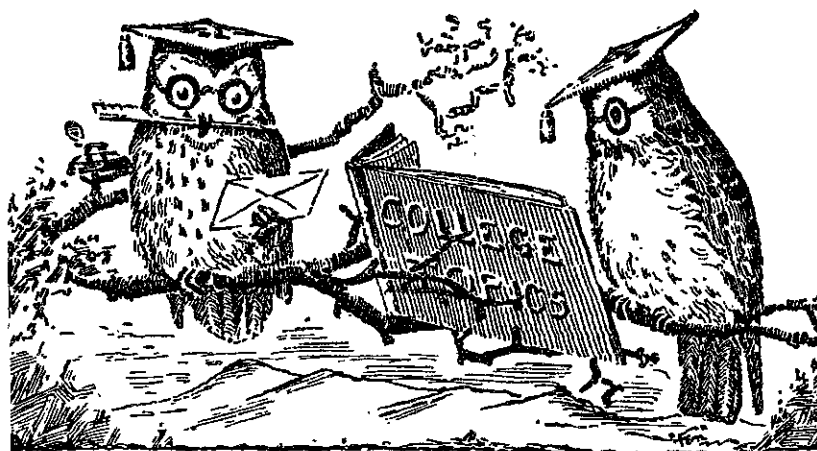
The entries for the Indoor Championships close December 1st with J. P. Ilsley, Jr., Box 1, Cage. All entries must be made to the class captains on or before December 1st. E. A. Boeseke, '95 Captain, J. A. Rockwell, Jr., '96 Captain, E. A. Sumner, Jr., '97 Captain, A. Sargent, '98 Captain.

Considerable football enthusiasm has recently been evinced among the various courses

of Ninety-Five and Ninety-Six, and several impromptu elevens have been placed upon the field. The '96 Civils have established one of the more recent course teams, and it is expected that lively games with Course II., '95, and Course VI. will result.

Manager Tillinghast has finally been enabled to establish a training table for almost the first time in the foot-ball history of Technology. Arrangements have been made at Priest's for serving the team with good wholesome food, and the following thirteen men were assigned: Beers, Coburn, Goudy, McCormick, Nesbit, Rawson, Rockwell, Smith, Swift, Thomas, Van Horn and Whiting. Men living at home have been allowed to continue as heretofore.

The annual cross-country run was held last Saturday afternoon, and proved to be the most successful hitherto. Wise, '96, the "dark horse," landed a winner, with Cummings, '96, a close second, and Rumery, '98, in third place. Following Rumery came Anderson, '96, Johnston, '96, Andrews, '96, Sellew, '97, Powers, '95, and Pillsbury, '98, in the order named. The field was well bunched to the turning point at Coolidge's Corner, Anderson rounding first. On the return home they began to stretch out, some on one side of Beacon Street and some on the other, until the Back Bay Fens was reached, when Wise and Anderson, by good generalship, found a shorter way than around the Clover Field, through Newbury Street into Boylston. As Wise turned from Hereford Street into the home stretch, Cummings and Rumery were at Massachusetts Avenue and Boylston Street, and only by a tremendous burst of speed had they a chance of overtaking Wise. As it was, Wise was less than three yards ahead of Cummings at the finish, and Rumery about thirty yards in the rear. The time was 31 minutes 16 $\frac{4}{5}$ seconds, which is fair considering the muddy condition of the ground.



The Intercollegiate chess tournament will be held at the Harvard School, New York City.

A press club has recently been organized at Harvard by the editors of the several college publications.

One of the Vassar literaries recently debated the question, "Resolved, that the higher education unfits a man for matrimony."

Mr. Robert Cook's trip to England relative to having the Oxford crew meet Yale next spring will probably be successful.

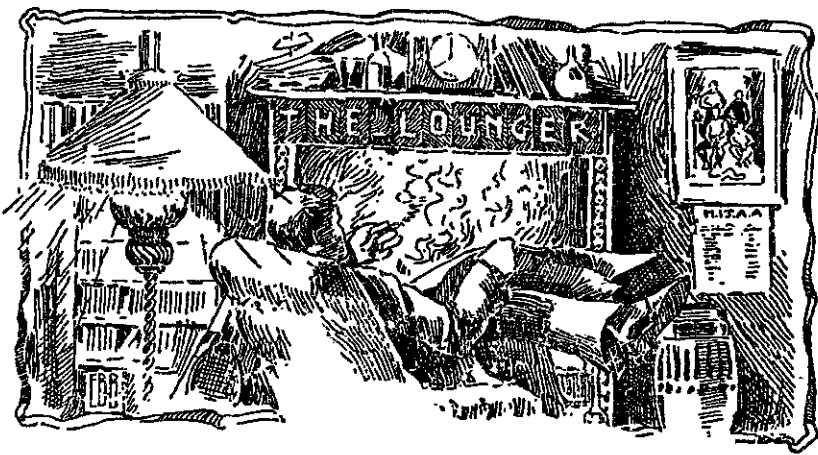
Dartmouth has graduated forty college presidents, sixty members of Congress, two hundred college professors, and twenty-four governors.

At Rensselaer the annual Sophomore-Freshman cane rush was advertised. About 300 people witnessed the rush and the gate receipts amounted to about \$20.

The Universities of Michigan and Chicago hope to make their annual Thanksgiving Day game correspond in importance to the Princeton-Yale game in the East.

The Harvard Athletic Association will hold six hare and hound runs, and a cross-country championship this fall. Two runs will take place each week, beginning on Wednesday.

Cross-country runs are held at the University of Pennsylvania three times a week. Two prize handicap runs will be held soon and representatives chosen for the cross-country run with Cornell, November 17th.



It was only last week that the Lounger was marveling at the beneficent Providence which stayed so long the rude hand of winter, and enabled him to dispense with the chief of nuisances,—an overcoat. Some few days later he was rejoicing in the happy possession of that chief of blessings,—an overcoat,—the same, by the way, he erstwhile had despised.

The Lounger feels that in treating of so important and refractory a subject as a Boston winter, caution is necessary, and that guardedness of statement is highly expedient. However, he regards it reasonably safe to assert that the heavy snow last week was tolerably unexpected, and also that the same snow did not long preserve its pristine candidacy. After these veracious prefaces he feels that he can proceed. The sudden and blizzard-like manifestations produced, at all events, an odd admixture of feelings, partly of rejoicing and partly of regret.

That popular resort of Technology, the steps, no longer holds out the usual inducements for whiling away the lagging hour. The chill breezes that peremptorily invite closely buttoned coats and upturned collars, now forbid the lazy lingering which is the Lounger's chief delight, and the fair maid who trips gayly past Technology is no longer the airy thing of beauty she was wont to be. Bundled in furs, or mayhap disguised in mackintosh, umbrella, unspeakable galoshes, and all the other horrors of a nasty day, she hurries by with down-cast eyes and hasty tread. A few of the hardy devotees still perch on the cold and uninviting granite, courting death in a hundred forms, and extracting a meager warmth from the seductive cigarette. The Lounger is not of these. For him the warm attractions of his fireside and the grateful aroma *d'un bon pipe*, are far more potent than the doubtful charms of frigid Boylston Street.

Not that the winter season is entirely devoid of fascination. Christmas, as the poet has perspicaciously remarked, comes but once a year. In view of this the Lounger would venture to inform his friends on good authority that this once comes in winter, along with Thanksgiving and other festive occasions which serve to lighten man's hard lot here below. Not every day can one descry the fleeting Bowdoin full-back spurning the snow as he glides gracefully away from the swift pursuers, nor observe with grief and pain the gashed and bleeding countenances of our own players. Not every day does the Lounger's ecstatic devotion to the game bring him within an inch of a pneumonian grade. But whether these chilly pleasures can surpass the exhilaration of a moonlight sleigh-ride behind a self-driving horse, he does not pretend to say.

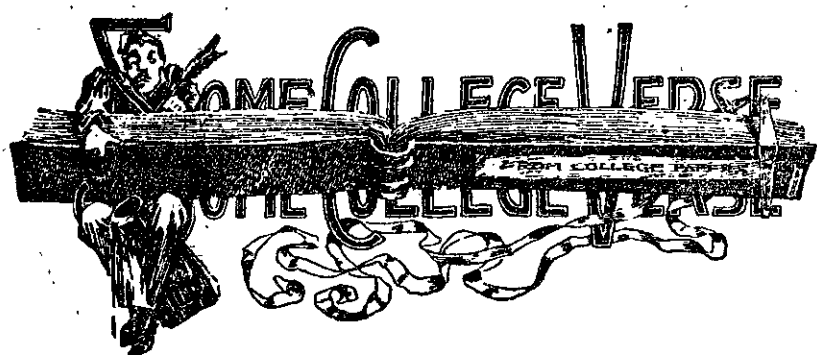
At all events it would be but scant politeness for the Lounger, confronted by the prospect of many good times in the coming season, to greet it with any thing but his courtliest bow and most engaging smile.

The Lounger has viewed with inward satisfaction the engagement of a coach and the establishment of a training table. The proprietor of a certain resort much frequented by Technology men was primarily responsible for the latter of these two blessings, and is now, the Lounger has it, losing money with equanimity out of sheer love of seeing our team lavishly indulged with milk, beef, and other wholesome articles to their hearts' content. Now that our hardy athletes are properly fed, and daily trotted out under the watchful eye of the trainer, the Lounger's hopes have risen. Election day has passed, and the country is safe. Brown has evinced extraordinary fondness for Technology,—has besought her for another game on Thanksgiving day. Ninety-six is again to the fore with showy schemes of a class pin, and everything seems wide awake and booming. With these comforting reflections the Lounger is disposed to leave the matter, and wish Technology's Dartmouth Street friend much joy.

HARD.

He gets his Latin out with ease,
His Greek with scarce a thought;
And yet a grievous fault he sees:
For Math. there is no trot.

—Lafayette.



A QUERY.

"What is college spirit?"

She blushing drew near.

"I know that students like it;

Now is it wine or beer?"

—Lafayette.

HIS FOOTBALL HAIR.

Now doth the gay collegian

Most diligently train

Not alone his football muscle,

But therewith his football mane.

—Town.

MATHEMATICAL.

Secants and cotangents were Greek to him,

Logarithms especially hard;

But (sines) signs such as these he very well knew,

"3, 4, 5—between tackle and guard."

—Lafayette.

ROUGH.

A young Junior Pharmacy tough,

While mixing a compound of stough,

Dropped a match in the phial,

And in a brief whial

They found his front teeth and one cough.

—Ex.

THE MOTHER MOON.

'Twas the youngest child of the Mother Moon,

Slender, shivering, shy;

And the hard old stars, with their pitiless eyes,

Looked from the endless sky.

We are lingering there where the river is high,

Marie and I and the moon;

O let not the love of my life pass by!

Let her turn to me tenderly soon.

We are waiting again in the moonlight fair,

While gold fills the delicate ring,

And Love, unbound on the sorrowing air,

Has unfolded his wings to sing.

She is rising heavily, old and late;

But the fragrance of incense I offer her still,

For she carries my sorrow away from earth's gate,

And a little new moon lies over the hill.

—Wellesley Magazine.

A PONY.

His Latin and Greek, his French and German,

He came for me to read;

He gave me his thanks, but never money;

His readings were *free* indeed.

But I stopped one day; I would do it no longer,

Because I could plainly see,

As he received from me these free translations,

He was playing *horse* with me.

—The Lafayette.

"FISH ON FRIDAY."

The landlady's daughter was singing a song

In a voice that was sweet as could be;

And the burden thereof was a statement old,

"There are lots of good fish in the sea."

The Freshman upstairs of his dinner thought

When he heard of "good fish," did he;

And he sighed, for the day was Friday, alas!

To think they were all in the sea.

—Yale Record.

"ONLY A LOCK OF GOLDEN HAIR."

"Only a lock of golden hair,"

The lover wrote. "Perchance to-night

It formeth on her pillow fair

A halo bright."

"Only a lock of golden hair,"

The maiden, smiling, sweetly said,

As she laid it over the back of the chair

And went to bed.

—The Crescent.

ADHESIVE AFFECTION.

A fish who'd been killed for the sake of his hide,

And to glue had been lately transferred,

Told his love to the blotter which lay at his side,

And fell on her face at the word.

Said the blotter so coyly, "I think that's too thin;"

When up spoke the fish, *a la glue*,

"Though I know that I *am* somewhat of a *skin*,

You can see that I'm *dead stuck* on you."

—Brunonian.

A SIGN OF FALL.

'Tis now the football critic

Sets all the world aflame

With wise prognostications

About the coming game.

He talks of how the game has changed

Since good old days of yore;

And tells how Tackell played the game

Way back in "eighty-four."

He criticizes every play,

And sums it all up in,

"If Yale scores more than Harvard,

She surely ought to win."

—Yale Record.

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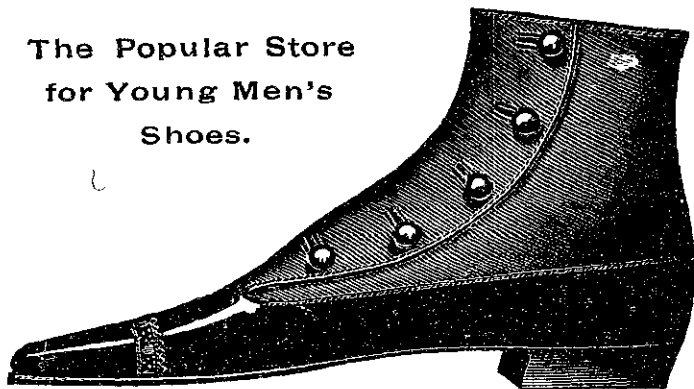
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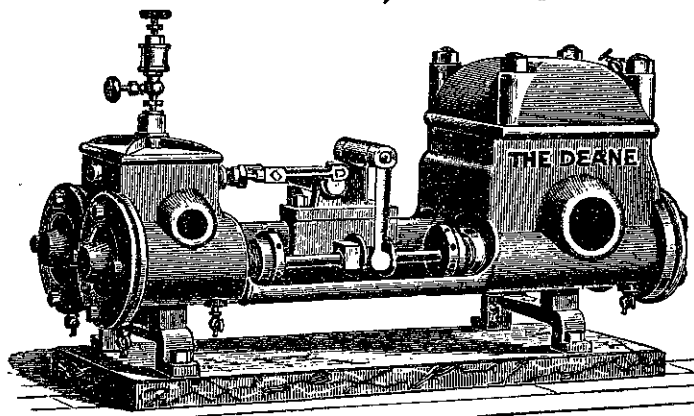
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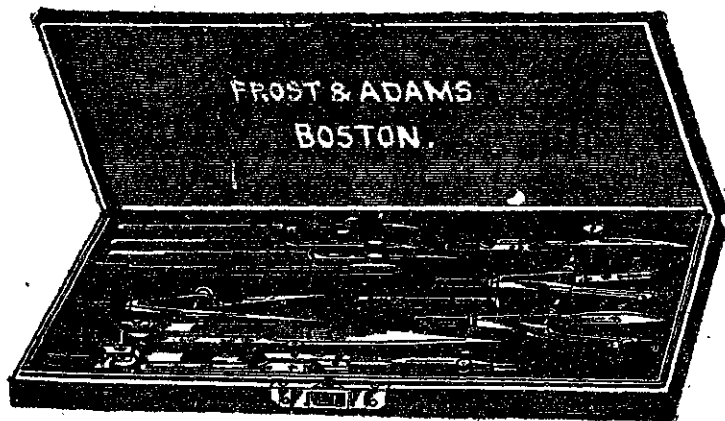
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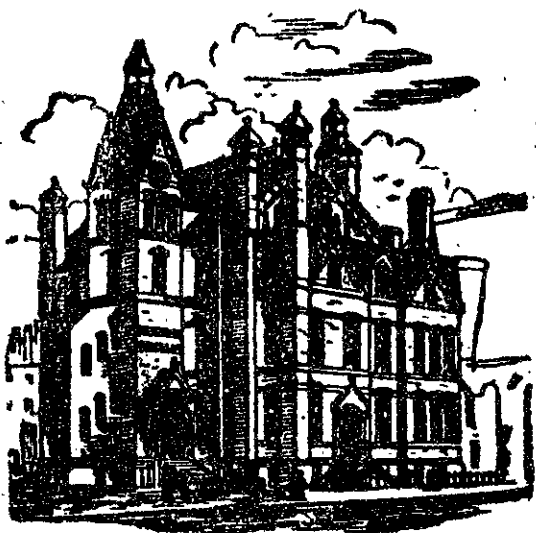
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