

# THE · TECH



VOL.  
19.

NO.  
22.

MARCH 29,  
1900.

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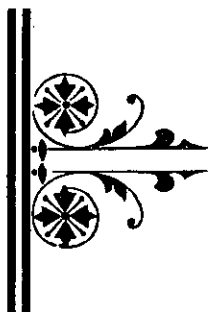
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# THE TECH

VOL. XIX.

BOSTON, MARCH 29, 1900.

NO. 22.

## THE TECH

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Monday, 10-11 A. M.

Business Manager,

Saturday, 12-1 P. M.

*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.*

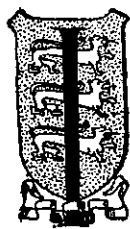
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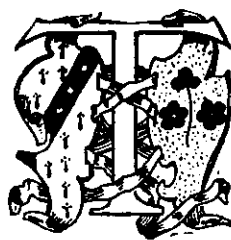
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THE rowdyism which has been only too prevalent in the actions of the Freshman Class has certainly reached a state at which the better element should take drastic measures to maintain its good name. Not content with the disturbances in Military Science lectures, certain members have lately been amusing themselves in the History lectures by throwing about the heavy cardboards used for writing tablets, with the result that a young lady student received a severe blow on the head and another student bears a black eye. Such actions are not to be tolerated and a way will certainly be found to punish the offenders should the offence be repeated.



IT is unfortunate that all men are not endowed with the ability to impart their knowledge to others in an easily comprehensible manner. In a class-room, explanations can generally clear up the obscure points. In a lecture course, however, a poor delivery makes it almost impossible for the most capable man to convey his ideas to his audience. As a specific example, the Junior lectures in Business Law might be quoted. Here, the lecturer cannot be heard back of the fifth or sixth row. The absence of a syllabus or general outline makes the subject seem hopelessly confused to those who are not fortunate enough to occupy the front seats. Faculty petitions have been suggested as a means of remedying the present conditions. Whatever steps are taken, it is earnestly hoped that relief of some kind will be instituted for the benefit of those who are unfortunate enough not to secure seats in the front rows.



THE lack of interest in the football team is woefully apparent, as evidenced by the two unsuccessful attempts of the management to secure a quorum when meetings were called. There are two reasons which may be assigned for this apathy on the part of the students; first, a loss of interest due to the length of time elapsed since the end of the season without a report being forthcoming, and secondly, lack of sufficient advertising of the time of the meeting.

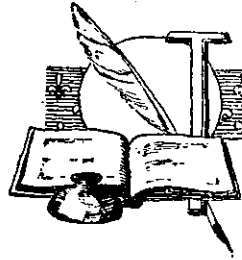
For the first of these causes the management cannot be held responsible, as the fault lies with the men who consented to collect subscriptions and procrastinated in making

any returns for the same, thus making it impossible for the manager to present a report of the exact standing of the association. It should also be impressed upon all students that every man at Tech. is a member of the Football Association without payment of dues, and entitled to vote for officers. We hope to see the next call of the Football Management heartily responded to, that the few men who have our football interests in hand may see that their labors are not entirely unappreciated.



**A**LTHOUGH in Technology we will probably never have the same problem to face, yet it is of considerable interest to note the development of the co-educational factor in many colleges, and Wesleyan, in particular. Some of our readers will undoubtedly recall the discussion last spring by Prof. Barrett Wendell of Harvard, in which he regretted the increase of co-education along the regular university courses. The latest development in opposition to such processes has taken place at Wesleyan and it is now proposed, such has been the increase of women students since the opening of the college to them, to form a new and separate college and do away with co-education. This action is, we take it, certainly a set back to the ideas which have recently gained much ground and it shows, in a measure, that the gains made by the women students in their work as in their numbers was something which was not expected. Just what the grounds for the opposition to the co-educational feature are, is not clear, unless it is the fear that the college would become predominantly a woman's college. The situation is, however, significant and further development

along the same lines in other colleges may be looked forward to.



**THE** advent of spring again opens the question of bicycle shelter. Last year through the efforts of **THE TECH** and the Technology wheelmen, a canvas-covered shed was erected at the rear of the Pierce Building, but unfortunately the students did not avail themselves of this shelter as had been expected.

The reason for this probably lies in the fact that the comparatively long distance around the extreme end of the Pierce Building to the shed and consequent loss of time in going and coming when one is in a hurry, offsets the advantages of having one's wheel when under cover. In order to make the shelter more available, we hope the Institute authorities will follow the suggestion we made last spring when advocating the erection of the shed — namely, that the doors of the driveway under the Pierce Building should be opened, thus affording a direct approach to the shed from near the entrances to the buildings.

#### 1903 Class Meeting.

The Class of 1903 held a meeting on the 27th to decide whether or not it would hold a competitive drill. The matter was quickly settled. It was reported that the Faculty were strongly opposed to the drill being held by the Freshmen, and the class was, if anything, still more strongly opposed to having it. The class, therefore, unanimously supported the motion to hold no drill this year.

## Technique

1901

Will be a Winner.

## 1900 Theses.

In presenting the following theses it is to be understood that in any case they are likely not to be final in subject or in statement. Many theses have not as yet been decided upon, and the following is but a partial list which will be completed subsequently in the columns of THE TECH.

## COURSE I.

Miles E. Brooks. "Abolition of grade crossing at Everett, Mass."

Eben L. Chapman. "Design for the steel structural work of a balcony of a theatre."

Russell Suter. "Design for a Chanoine wicket dam."

William H. Wedlock. "A design for a 200-foot Cantilever crane."

Herbert R. Stearns. "Experiments to determine the accuracy that may be attained with the Pitot Tube in measuring the flow in a pipe line."

Lewen F. Searle. "Determination of coefficient of discharge of a Standard tube." With M. H. Harps.

George C. Gibbs, 3rd. "A project for storing up the waters of Beaver Pond and surrounding watershed (Bellingham, Mass.), to supply power to mills on the upper Charles River." With Ingersoll Bowditch.

Horace W. Oxnard. "Experiments to determine the practicability of measuring flow of water by loss of pressure at a valve."

Ingersoll Bowditch. "Project for developing the storage of Beaver Pond at the head waters of the Charles River."

Henry D. Jouett. "Discussion of bumping posts for railroads and a design of one."

Chester A. Richardson. "An investigation of the power to be obtained at one of the tide mills near Boston."

Albert B. Briggs. "Design for a coaling plant for a railroad."

Clinton D. Thurber. "Experiments to determine the accuracy that may be attained with the Pitot Tube in the measurement of the flow of water through pipes." With H. R. Stearns.

Frederick H. Cook. "A design for a two-hinged pin-constructed arch highway bridge."

## COURSE VII.

Milton W. Hall. "The behavior of the bacillus of typhoid fever in milk."

Arthur I. Kendall. "A study of some bacteriological fermentations of cane sugar."

Harold S. Conant. "A study in variation; taking certain features of the shell of the marine gastropod, *Purpura lapillus*."

## COURSE XIII.

I. Wyzanski. "A comparison of the various rules used in strip calculations."

Morgan Barney. "Progressive speed trials of steam yacht, *Freelance*."

Herman R. Hunt. "Collection and reduction of data for the powering of ships."

## COURSE IX.

Carl F. Gauss. "Chinese trade and the steps taken by England, France, Germany and Russia to secure it."

Edward H. Davis. "A New York bank statement as an index to the financial condition of the country."

Irving C. Weeks. "Trade with France and the Reciprocity Treaty of 1899."

Herbert H. Howe. "The British Army in Kipling's works."

Joseph P. Draper. "State Legislation in regard to trusts since 1890."

## President Crafts Speaks.

At the second annual dinner of the New England Cornell Club held last Friday evening at the University Club, Beacon Street, President James M. Crafts of M. I. T., President Eliot of Harvard, and President Shurman of Cornell were the guests of the club and the principal speakers of the evening.

President Crafts spoke at some length, in a reminiscent vein, on several of the college customs in European institutions, and told a number of interesting anecdotes. He expressed the hope that the future would find the administrative duties of college professors lessened somewhat, so that these men could give a part of their time to literature. He thought that any leisure time could be profitably spent in writing text-books and treatises. His remarks were very interesting and were given close attention, and at the close of his address he was given a rousing Cornell cheer.

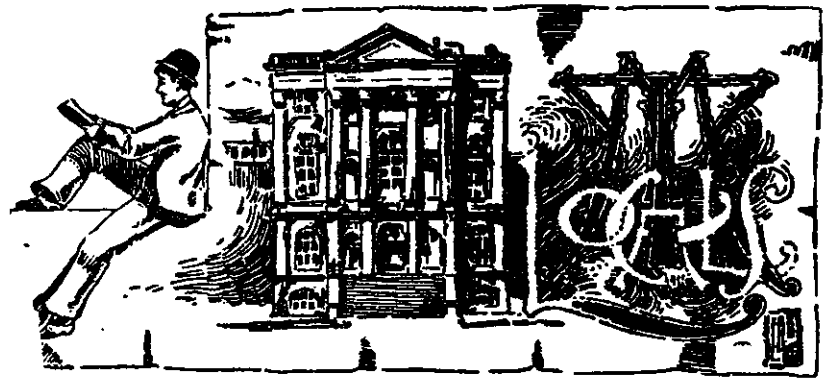
During the evening several well-received numbers were rendered by a quartette selected from the Institute Glee Club, consisting of Charles A. Whittemore, '01, James A. Patch, '99, Claude E. Patch, '02, and Henry K. Hooker, '02.

### Color Photography at the Institute.

The subject of color photography is a most interesting one and is attracting much attention in scientific circles. Professor Lawrence of the Architectural department has lately done considerable in this line, and with the aid of the lantern has exhibited some of the results of his work to a number of the students. The results were most faithful reproductions of the originals and called forth worthy applause. Several water colors were photographed and some out-of-door subjects and they show clearly with what skill and success Prof. Lawrence has labored. The method is roughly as follows: The plate is exposed in the usual way in the camera but directly in front of the plate is a finely ruled diaphragm in the primary colors, red, yellow and blue. The exposure is regulated by the amount of blue light in the air at the time of exposure. Being sensitive to red light the plate must be developed in complete darkness, one glance under ruby light being the only sight of the plate admissible. Here is where judgment and skill play a most important part. When developed and fixed, the positive is printed through the same screen and thus the colors are reproduced.

### Mining Engineering Society.

At the meeting of the Mining Engineering Society last Friday, Pres. Clary, '00, and Vice-Pres. Dart, '00, resigned because of their inability to devote as much time to the interests of the Society as it deserved. On this account it was decided to hold the annual election of officers at that time instead of later in the year. The following officers were elected: F. D. Rash, '01, Pres.; F. H. Sexton, '01, Vice-Pres. and Treas.; P. E. Chalfoux, '02, Sec'y. W. W. Garrett, '01 and C. A. Sawyer, Jr., '02, Executive Committee. The next meeting of the Society will be held Friday, April 13th, at 4.15 P. M.



W. H. Comins, '02, has returned to the Institute after a severe illness.

George Paraschos, '01, has left the Institute and returned to his home in Constantinople.

The mentions in pen and ink work for the last drawings of Course IV., 3rd year, are 1st, Aldrich; 2nd, Childs; 3rd, Sayward; 4th, Puckey.

Several Tech. men attended a concert and reception at Wheaton Seminary, at Norton, March 21st, and are very enthusiastic over the Wheaton hospitality.

A committee from the Boston Society of Civil Engineers visited the Engineering Dept. on Wednesday last week and witnessed an experimental test of the strength of wooden beams as conducted by members of the Civil Engineering Course.

The Tech. Musical Clubs conducted the benefit entertainment of the Boston Y. M. C. A. Star Course on the evening of March 22. The Clubs were assisted by Mrs. Jessie E. Southwick and their performance was received with evident appreciation by the audience.

Through the kindness of Mr. F. O. Wellington, Manager of the Fore River Engine Co., Messrs. Allen, Bailey, Collier, Gardner, Dickson, Nagle, Patch, Simpson, Taylor, Course XIII., and Star, Course II., visited the Fore River works, where the U. S. Destroyers *Lawrence* and *MacDonough* are in process of construction.

I. B. Hazelton of the firm of Bird & Hazelton visited the Life Class Department last

week. Messrs. Bird and Hazelton are former Tech. men and their artistic work in co-operation is well known to Tech. students, the Minstrel Show poster of last year being an excellent example.

The prize drawing for the programme cover for the Walker Club Play, "The Miser," was made by F. Arnold Colby, '01; the prize design for the poster was submitted by E. F. Lawrence, '01.

Members of the Senior Class are urged to arrange with the class photographer Notman, 385 Boylston St., for sittings *before April 7*. Those who do not intend to have photographs taken will please notify Lawrence, '00, Cage, as early as possible.

An informal dinner of the Graduate Class of '99 is to take place on March 31 at the Hotel Savoy. This is the first of the monthly dinners to be held by the class and, although it is new, the plan seems to be meeting with considerable appreciation.

Professor and Mrs. Desire Despradelle will sail for Europe in May to be absent until October. Prof. Despradelle, a laureate of the Salon for many years, has two important architectural exhibits in the Salon of this spring which will later be transferred to the Art Department of the Paris Exposition.

Mr. P. Y. Dunwoody, ex '01, who was on the artistic staff of THE TECH for last year and the year previous made a brief call at the Institute last week. Mr. Dunwoody for the past year has been with the Washburn, Crosby Milling Co., in Minneapolis. He sailed for England on Wednesday last, for a trip of three months.

H. L. Grant, XIII, who was taken ill with typhoid fever just previous to the Semi-Annual Examinations, has been obliged to give up all hope of returning to the Institute this year. He is now convalescing at Lakewood, N. J.

and expects to return to his home at Covington, Ky., in about two weeks. He will probably finish his course at the Institute next year.

On Monday and Tuesday, March 19th and 20th, Mr. Lambirth very kindly conducted his sections in Forging, through the Boston Forge Company's Works in South Boston, where the students had an opportunity to see heavy forge work of different descriptions. Later in the afternoon the Atlantic Works were visited with great satisfaction. Mr. Lambirth deserves credit for these yearly trips, which help so much to broaden his department of the course in Shop Work at the Institute.

#### Calendar.

*Thursday, March 29.*—Yacht Club Smoke Talk; Old Elm, at 8 p. m.

*Friday, March 30.*—Third annual dinner of the Civil Engineering Society; United States Hotel, 8 p. m.

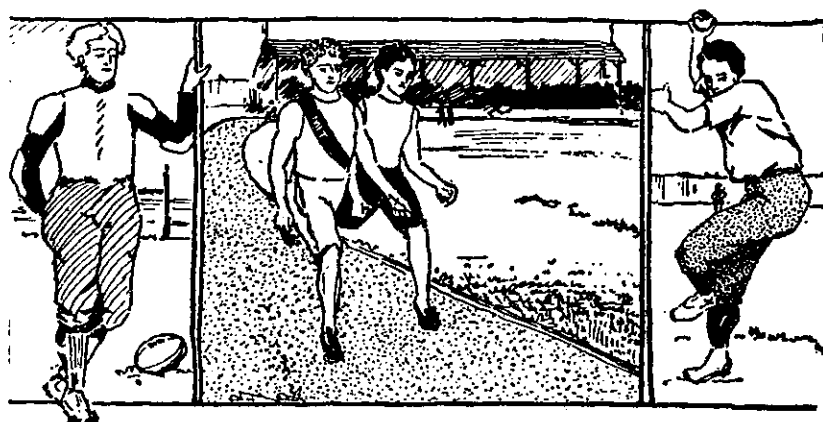
*Saturday, March 31.*—Hare and Hounds Run from Chestnut Hill; leave Gym. at 2 p. m.

*Monday, April 2.*—TECH Board meeting at TECH Office. Football Association meeting, Room 11.

*Saturday, April 14.*—Annual Cross Country Run. Leave Gym. at 2.30 p. m.

#### Capt. Zalinski's Lecture.

Last Saturday morning, in place of the usual Military Science lecture, Captain Zalinski, who has been speaking before the Lowell Institute, gave a lecture on high explosives. All students were invited to attend and the presence of many upper-class men evinced their interest in the subject. The lecture was fully illustrated both by the stereopticon and by actual experiments with the explosives. A large Whitehead torpedo, however, held the chief place in the eyes of all, and after the lecture it was opened and its mechanism explained. At the close of the talk an impromptu reception was held on the platform and samples of smokeless powders were in great demand as souvenirs.



### Base Ball.

With the approach of warm weather comes the usual revival of interest in Class Baseball. Following the custom of former years, the class game this spring will be contested for by the two lower classes. For the Sophomores eight of last year's team have returned to the Institute, and although the call for candidates has not been made, several new men have signified their intentions of trying for the team. The fact that between twenty-five and thirty men have been out regularly during the last week, trying for the Freshman team, shows that 1903 appreciates the value of early practice. The candidates are about evenly divided for the different positions, and considering the earliness of the season, the majority are fielding and throwing exceptionally well. The practicing, so far, has been done at Clover Field, as the Oval is yet too soft to play upon. The Class game will, in all probability, be played at the South End grounds during the third week of May. The schedules of the two teams have been nearly completed by the respective managers and are as follows:—

1902.

April 14th, Groton.  
 April 18th, Tufts Second.  
 April 21st, Dean Academy.  
 April 28th, Brown Freshmen.  
 May 2nd, Harvard Freshmen.  
 May 9th, Harvard Second.  
 May 12th, Newburyport High School.  
 May 19th, Salem High School.

1903.

April 12th, Brookline High.  
 April 14th, Hopkinson.  
 April 18th, St. Marks.  
 April 21st, Tufts Freshmen.  
 April 27th, Somerville High.  
 May 3rd, Harvard Freshmen.  
 May 5th, Adams Academy.  
 May 9th, Dean Academy.

Frost, '02 has commenced training for the mile, and Crane, '02, for the shot put.

It is more than likely that a dual meet with Amherst will be pulled off this spring. Amherst has signified her desire for the same and arrangements are now in progress. The meet with Brown is uncertain. Last year Tech. won handsomely and desires an opportunity of repeating the performance.

The *Tufts Weekly* in commenting on the engagement of Mr. Williams as coach of their track team, remarks that he has run in England and America and has placed his record for the hundred below 93-5. This seems to indicate that he is a very fast man indeed as the world's record stands at 94-5. Will wonders ever cease?

The Hare and Hounds Club ran from Newton Centre last Saturday. W. P. R. Pember, '02, and C. F. Green, '03, were the hares, and led a chase of about six miles, skirting Newtonville and Waban and passing through Newton Centre and "home" down the railroad track. Worcester, '02, and Manson, '03, had a pretty run for the finish, the latter coming in barely ahead. The trail was thin in places and the strong wind made it hard to find, delaying the hounds. F. R. Farnham, '03, accompanied the run as much as possible on his wheel, scouting for places where the trail crossed the roads. The run next Saturday will be from Chestnut Hill Reservoir.

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'76 Samuel James, Jr., III., is now at the  
Globe Plant of the American Smelting &  
Refining Co., in Denver, Colorado.

'84. D. A. Lylie, III., has been promoted  
from Captain to Major, U. S. A., Ordinance  
Department.

'85. C. A. Brown has been elected Secre-  
tary of the Boston Paper Trade Association.

'85. Tracy Lyon has been appointed  
general superintendent of the Great Western  
Railway.


'90. Mr. H. E. Baldwin, I., is now the  
chief engineer of the Brown Hoisting Co.,  
of Cleveland, O.

'99. Mr. E. Sutermeister, V., is, at pres-  
ent, chemist for S. D. Warren & Co., at the  
Cumberland Mills, in Maine.

'99. Mr. Chas. B. Gillson, X., has ac-  
cepted a position as assistant chemist at the  
Standard Steel Works, at Lewiston, Pa.

'99. Messrs. H. H. Starr, I., B. Herman,  
I., and J. W. Woolett, I., have become as-  
sociated with the Edgemore Bridge Co., at  
Wilmington, Del.

"THE GIRLS ARE FOND OF THESE"

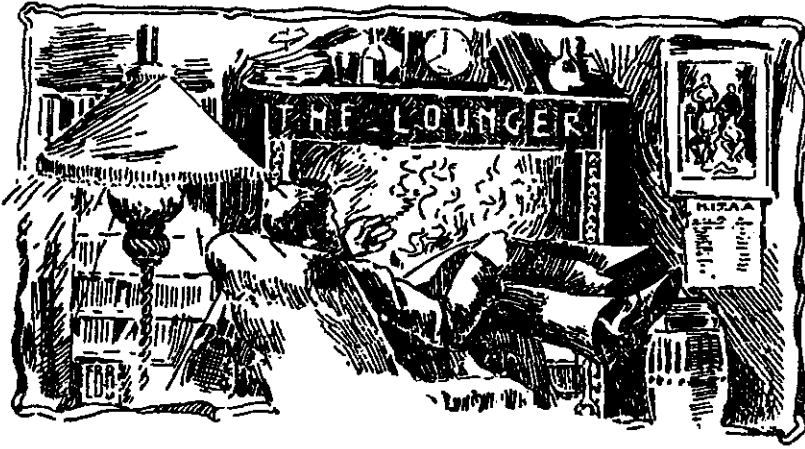


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By the Beard of the Prophet, the hour has arrived when it is befitting that THE LOUNGER should speak. Meditatively and resignedly did he note the inexplicable action of that class of Irresponsibles, known on the fatal scroll as the Sophomores, when they introduced into the nutrimental sanctity of their dinner one of the unsophisticated and innocuous body of 1903; but now the spasm is something more than sorrow, and it calls for more forceful utterance than that made in his gentle insinuations in THE TECH of last week. Anguish, like a Professor's marriage, cannot long remain hidden, and in the following sun-burst of his feelings to-day THE LOUNGER pleads only the inevitable consequence of a pent-up delirium of agonized expostulation. Something certainly should be undertaken for the immediate benefit of the mentality of the committee whose duty it was to select for the unsuspecting Sophomores their Class Cane. Such an instrument of pedestrian aid as a cane — though 't were a misnomer to imply that the article selected could be of assistance in getting any one to any place other than a home for helpless incurables — should fulfill at least a few stated and certain requirements. It should be ornamental, if not useful. THE LOUNGER has some pride concerning such things as this; he remembers that once he was interested remotely in something of the sort, himself; and he would therefore venture, by way of criticism, the suggestion that if the class had intended to procure an imitation of that emphatic but somewhat familiar symbol known as the barber-pole, it would have been well to outgo the original and strengthen the delicacy of the conception by introducing variations of more colors than the rather prosaic orange and black. Looking at it from a puritanical point of view, there would have been a sinuous appropriateness in embellishing the cudgels according to the Class colors; and the stryae, representing Omniscience-only-knows-what, might comfortably have been left to the imagination of the individual possessor. It would, of course, be impossible to select anything better than the mental gyrations of the committee already fastened upon, but THE LOUNGER recommends this other as at least just as good. Poster designs are first-rate things for

advertising, but the Sophomore Class does n't need them.



In spite of a somewhat vivid appreciation of his own failings in this direction, THE LOUNGER feels impelled to enter a plea against the intrusion of superfluous remarks, suggesting the methods of the Freshman themist, into an otherwise sane discourse regularly administered by the instructor on tools. As an exception, the professor in Physics may be considered pardonable, possibly, for trying to throw an air of naiveté over an otherwise idle hour by the use of an anecdote or two; but it is in no way excusable in the present instance. For this lecturer to inform his class of guileless Seniors that according to Carlyle, "the difference between a savage and a barbarian is their use of tools," reflects considerable acuteness on the part of Carlyle, still more accuracy on the part of the lecturer, and a thorough appreciation of the relative status of the instructor and his as-yet-unsophisticated listeners; but, Carlyle or no Carlyle, it is nevertheless drool.

Not only have the Faculty, the President, the Secretary, the Bursar, — or since the events are of a more or less recent character it is perhaps somewhat presumptuous to implicate the soporific Bursar — and certainly THE LOUNGER, have been inspired to deliver remarks varying in their sulphurous characteristics, to the purpose of instilling into THE LOUNGER'S particular friends, the Freshmen, some serious conception of life. It has been with a surprising unanimity that these first year irresponsibles have survived these conscientious attacks, plus those of the President of the Senior Class and the Institute Committee on their proceedings and have at last gone their previous records several points better. The actual occurrence whereof THE LOUNGER speaks is that which took place in the lecture course in which the lecturer endeavors to inform THE LOUNGER'S friends, the Freshmen, that their ancestors were of American and not of boomerang-slinging nationality — a fact in which the Freshmen evidently place but little faith. Some of these youths, more courageous than the rest, essayed with considerable success to obliterate two members of the class with cardboard writing tablets. While THE LOUNGER regards this initiative action as somewhat brusque, so to speak, yet he cannot but remark on the admirable aim which laid low two members of the class, one with a black eye and the other with a head that is no longer in symmetrical poise. The laudable end of rendering two members of the class *hors de combat* perhaps justifies the means, yet it is to be regretted that the annihilation was conducted on a retail rather than a wholesale plan. However, these hilarious members were doing the best they knew. To say that they were doing less is to libel the class.



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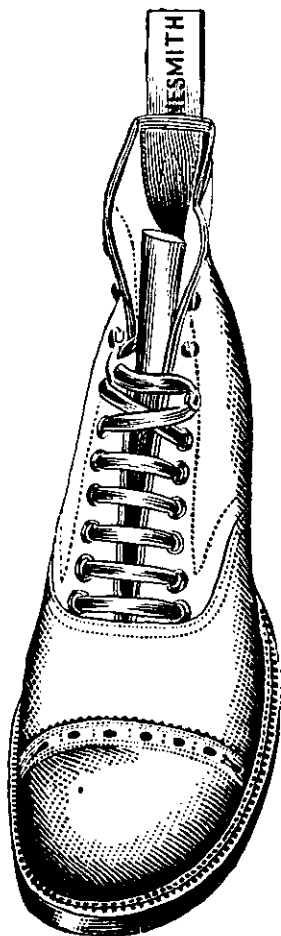
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**Tremont Theatre.**—Once again "A Runaway Girl" will be seen at this theatre for a limited engagement. This comedy is considered to be one of the best that has been placed on the stage. It is an excellently staged piece and the cast is to a considerable extent the same as that of last year.

**Hollis Street Theatre.**—Annie Russell will appear in Jerome K. Jerome's brilliant comedy, "Miss Hobbs." This play has had a wonderful run in New York for over half the present season. The

cast is an exceptionally fine one and includes Mrs. G. H. Gilbert, so long with Daly's company.

**Boston Museum.**—Henry Miller's success in "The Only Way" is as pronounced as it is gratifying. He has thoroughly fulfilled the splendid reports that had preceded him, and has achieved a success which will place him among the foremost actors of the day. In his portrayal of Sydney Carton he shows not only natural ability but also constant devotion to his art.

**Castle Square Theatre.**—The attraction at this house for the coming week is the comedy, written by Brander Matthews and George H. Jessop, "A Gold Mine," originally acted by John T. Raymond in 1887, and two years after made popular throughout the country by Nat Goodwin and his company. The action passes in the house of a wealthy English gentleman of rank and the play has many amusing scenes and situations.

**Columbia Theatre.**— "Mam'zelle 'Awkins" will appear for a short period at this theatre. Since its first appearance here there have been several alterations in the piece and new and taking features have been added.

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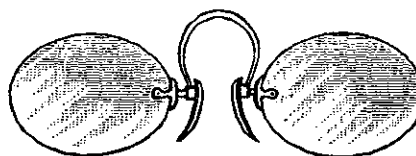
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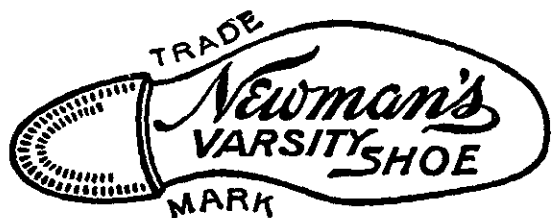
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ANGELA. "Not supremely, perhaps, but oh, so all — but! Oh Saphir, are they not quite too all — but?"

SAPHIR. "They are indeed jolly utter."

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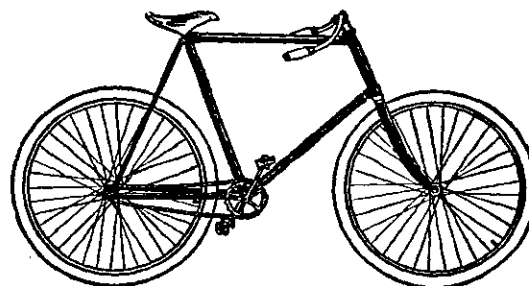
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