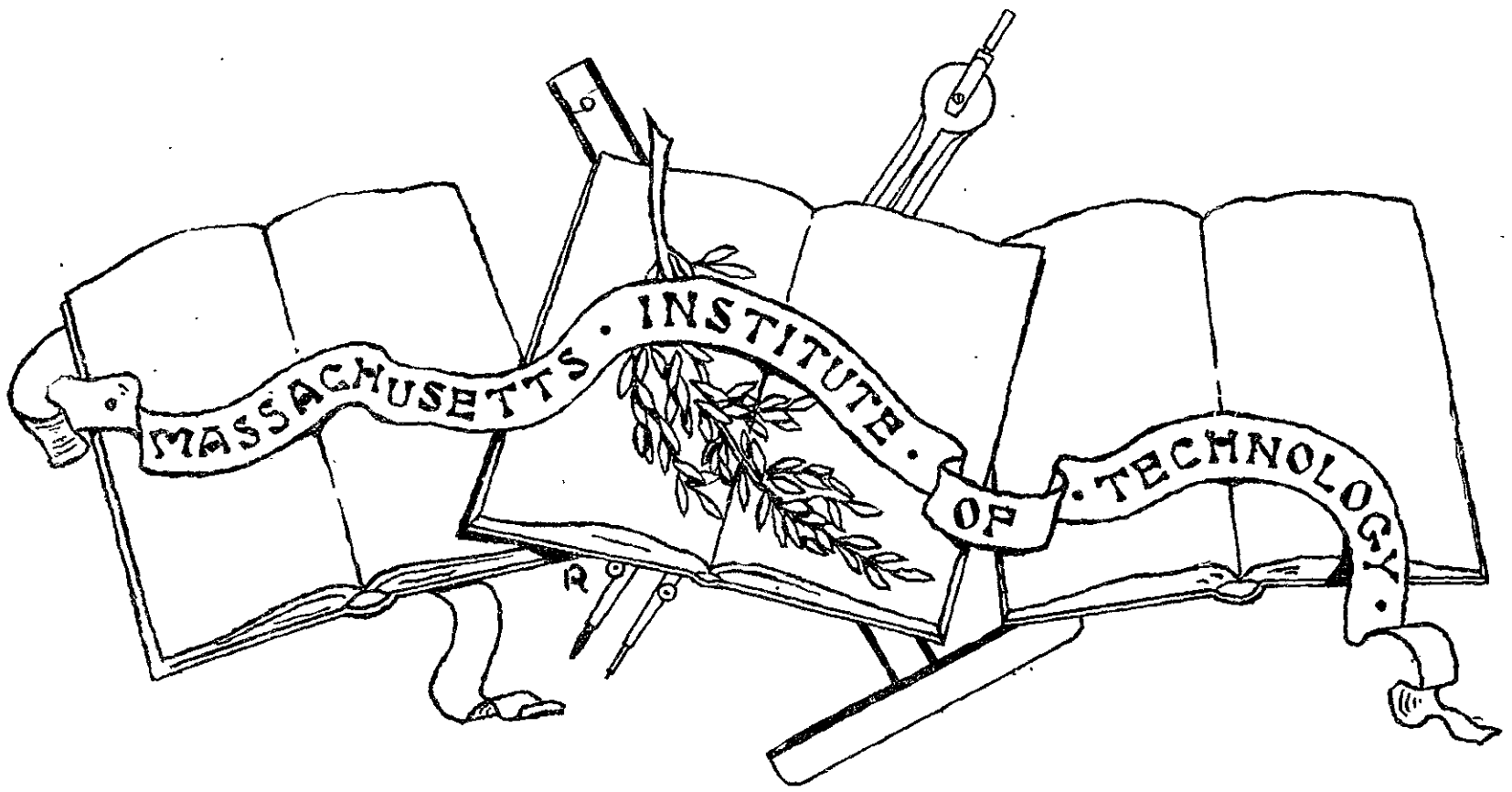
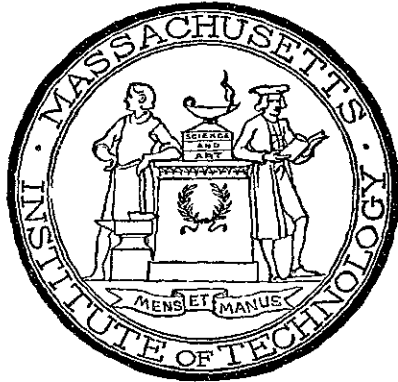


THE TECH



BOSTON, MASS.

VOLUME XVI.

NUMBER 11.

DECEMBER 17, 1896.



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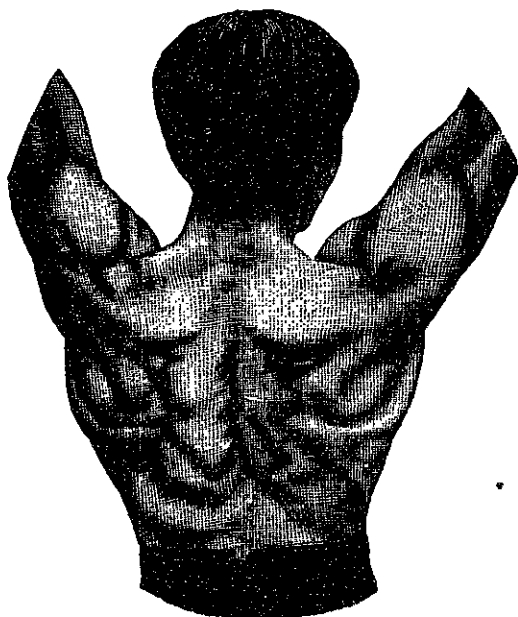
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JOHN MAGEE, 2d, '99.

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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.

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THE twenty-fifth annual course of "Practical Talks" to be given by the Boston Y. M. C. U., will begin on January 2d. The prospectus of the course is now to be had upon application at the Union rooms. The first address is to be by Howard A. Carson, Technology '69, now chief engineer of the Transit Commission, upon the subject, "Subways in Boston, London, and elsewhere," fully illustrated by stereopticon. No comment is necessary on this, since in Mr. Carson we have a master dealing with his subject.

Professor Barton is again going to give to the public an opportunity to hear of his trip to Greenland.

Professor Niles will speak of "Beds of Coal: How they Appear; What they Yield; How they were Formed."

Professor W. T. Sedgwick has taken for his subject, "Milk." Sanitary Science may be said to be in a stage of metamorphosis, in which the theoretical study of Bacteriology of the last quarter of a century is being turned in

the direction of a practical application of the valuable knowledge gained, to a more systematic prevention of the evils resulting from contagious and infectious diseases.

Prof. C. Frank Allen is to address the Union upon "Railroads: Their Development and Methods of Location." Professor Allen's former experience in railroad engineering, as well as his growing prominence as a consulting engineer, make his talks of great value.

Prof. Geo. F. Swain will tell of the "History of Stone Bridges." The modern substitution of steel in the construction of bridges makes the discussion of the older form of stone bridge by a modern engineer of peculiar interest to all.

The value of the above list of "Practical Talks" to every Institute man is evident. These are not lectures prepared merely for one occasion by men who make lecturing a business, but, on the contrary, each address will contain the essence of all the experience and knowledge which each man has gained as a result of a long number years of diligent and successful research and practice.

It is also announced that Assistant Professors Trevor and Bancroft intend to publish a journal of Physical Chemistry. As Cornell is the only university in America where this latest development of the science has been cared for, it is appropriate that its organ should be in the hands of Cornell professors.

The above paragraph appears in the last Report of the President of Cornell University. THE TECH wishes the best success to the new journal. But one would not infer from the statement quoted that courses on this subject

are given at Harvard and the Johns Hopkins Universities, as well as at the Massachusetts Institute of Technology, where a special laboratory for the work was established as long ago as 1892.

MORE complaint than usual is heard this year of the amount of work required of the men in the Architectural Course. That this does not come from a desire to shirk is shown by the fact that the drawing rooms are always filled until late in the afternoons, on legal holidays, and it is probable that they would be so even on Sundays if the building were open. The requirement of a large amount of work is one of the boasts of the Institute, but if carried beyond a certain point this is apt to prove harmful, rather than beneficial. Although rapidity of design is to be desired, nothing is more detrimental to good work than the lack of sufficient time for conception and execution. The fact that the loyalty of the men concerned prevents them from making any formal representation, impels us to bring the matter respectfully forward.

It may be, perhaps, that the state of affairs is not fully realized by higher authorities, as was the case at the Worcester Polytechnic, where the students complained recently of the same difficulty, and where, when the matter was brought before President Mendenhall, an immediate reduction was made in the amount of work.

WE see by the Harvard *Crimson* that the Student Volunteer Committee of the University is about to make its annual report.

This Volunteer Movement, as it is called, was started about two years ago, and since then has spread from one college to another, until to-day it is, as President Eliot says, without parallel in the history of education. At Harvard, the most influential men in college are taking hold of the matter, and are showing to the world at large that one of the

leading characteristics of college men is unselfishness and thought for the less fortunate. In the Associated Charities of Boston, men are acting as voluntary visitors in poor families, and are regularly superintending home libraries, while many Harvard men teach without pay in Italian and other missions of the North End. By far the best known charity, however, is the semi-annual collection of clothing from students of the University, and its distribution to the poor by responsible agencies.

REHEARSALS of the French play are making good progress this week, with the generous assistance of M. Bernard, and a good performance is assured for Saturday night. The play is said to be full of amusing scenes, and while the French will be a valuable training for the ear, there is sufficient English in it to make the context plain to all. The presence of four Freshmen in the cast is noteworthy, and should ensure considerable enthusiasm among their classmates.

THREE reports have been received by the Cuban Revolution Party of New York confirming the rumors of the death of Maj. W. D. Osgood, and as one was signed by General Garcia, there is now little doubt but that he was killed while directing the fire of his artillery in a minor engagement. Mr. Osgood has left behind him a splendid record in athletics as well as scholarship, and we are sure that his brothers who figure prominently in Technology athletics have the sympathy of the whole Institute.

WE regret to announce the death of Mr. Samuel Hinkley Allyn, of the Class of '98. Mr. Allyn died of pneumonia at his home in South Framingham, Mass., on Saturday, December 12th, after a short illness.

Indoor Meeting.

THE Annual Indoor Class Championship Games were held last Saturday at 8 P. M. in the Tech. Gymnasium, with a small but appreciative number of spectators. The events were interesting, and went off well, but at no time was there any speculation as to the final outcome of the meeting. Ninety-eight led from the start, and won every event, and in some captured every point, securing a total of 51 points out of a possible 63. Nineteen hundred was very poorly represented,—but one man competing.

The pole vault began first, and was won without much trouble by Putnam, who showed excellent form. Butcher and Nolte were tied for second.

There was some speculation in regard to the potato race, as Stebbins, who won it last year, did not enter. The race resulted in Putnam's winning another first, though he was so closely pressed by Pugh that it was hard to pick the winner. Pugh furnished considerable amusement to the crowd by his desperate efforts to harvest his crop of potatoes before any of his competitors.

The dash was an easy thing for Grosvenor, who won out by four feet in the finals, with Gray and Burch second and third respectively.

The hurdles were very exciting, Grosvenor and Burch running three dead heats before the former pulled away the race by a few inches. Grosvenor's style of hurdling, as well as Burch's, is not perfect by any means, but in a short hurdle race, speed is the necessary qualification.

The shot record was the only one broken; Jones beating the old record of 36 feet $2\frac{1}{4}$ inches by $6\frac{3}{4}$ inches.

The high jump was a foregone conclusion for Putnam, who cleared 5 feet $7\frac{1}{4}$ inches. Butcher took second 5 feet $4\frac{1}{4}$, and Burch third with 5 feet $3\frac{1}{4}$ inches.

The broad jump was won by Russ, who beat Grosvenor by $\frac{1}{4}$ inch, clearing 9 feet $8\frac{3}{4}$ inches. High won third with 9 feet 5 inches.

The final score was, '98, 51 points; '97, 6 points; '99, 6 points; 1900, 0 points.

SUMMARY:

Thirty-five-yard dash—First heat, won by Nolte, '98; Burch, '99, second; time, 4 2-5s. Second heat, won by Gray, '97; Butcher, '98, second; time, 4 2-5s. Third heat, won by Grosvenor, '98; Pugh, '97, second; time, 4 1-5s. Heat for second men, won by Burch, '99; time, 4 2-5s. Final heat, won by Grosvenor, '98; Gray, '97, second; Burch, '99, third; time, 4 1-5s.

Potato race—First heat, won by Putnam, '98; Pugh, '97, second; time, 36 4-5s. Second heat, won by Mayer, '98; Reed, '97, second; time, 37 4-5s.; third heat, won by Copp, '99; Hooker, '98, second; time, 39s. Final heat, won by Putnam, '98; Pugh, '97, second; Mayer, '98, third; time, 36 3-5s.

Thirty-five-yard hurdles—First heat, dead heat between Grosvenor, '98, and Burch, '99; time, 5s. Second heat, won by House, '98. Third heat, dead heat between Copp, '99, and Wentworth, '00; time, 5 1-5s. Final heat, won by Grosvenor, '98; Burch, '99, second; Copp, '99, third; time, 5s.

Broad jump—Won by Russ, '98, distance, 9 ft. $8\frac{3}{4}$ in.; second, Grosvenor, '98, 9 ft. $8\frac{1}{2}$ in.; third, High, '98, 9 ft. 5 in.

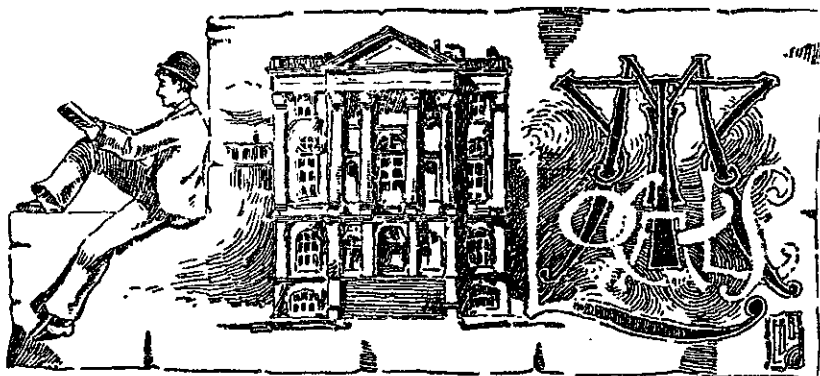
High jump—Won by Putnam, '98, height, 5 ft. $7\frac{1}{4}$ in.; second, Butcher, '98, 5 ft. $4\frac{1}{4}$ in.; third, Burch, '99, 5 ft. $3\frac{1}{4}$ in.

Pole vault—Won by Putnam, '98, height, 9 ft. $3\frac{1}{2}$ in.; second, tie between Butcher, '98, and Nolte, '98, 9 ft. $1\frac{1}{2}$ in. (on the toss, second place was won by Butcher.)

Shot put—Won by Jones, '98, distance 36 ft. 9 in.; second, High, '98, 32 ft. 10 in.; third, Bodwell, '98, 32 ft. 6 in. (record broken.)

The Institute Committee.

AT their regular meeting last week the Institute Committee was consulted by Dr. Tyler as regards the distribution of news concerning Technology student interests to various parts of the country where other colleges are represented, but the name of the Institute is never brought before the public. During the latter part of last year the Faculty took up this question, and decided to control the entire distribution of Tech. news through the agency of the Institute Committee. Mr. Bancroft, the president, appointed Mr. Hutchinson, '98 and Mr. West, '99 to co-operate with Dr. Tyler in the matter, and these gentlemen will soon call for assistance in the shape of information, etc., from the student body.



Sophomore metal turners have begun work in brass.

Evanston, Ill., with nine thousand population, sends thirteen men to Tech.

The Junior Industrial Chemistry division began lab. work in textile coloring a week ago Wednesday.

An exam. in fourth year Photometry has just been held, thus freeing the class from the semi. in that subject.

Lynch, '99, has consented to add a Spanish dance to the list of café chantant specialties at the L'Avenir performance on Saturday.

The new problem, as given out to the Course IV. men, '98, is a quarter-inch scale drawing of the entrance of a technical school.

At the last meeting of the Biological Club, Dr. Holman gave a review of Hüppe's *Naturwissenschaftliches Anschauung der Bakteria*.

The Senior's design, Course IV., was due Friday evening. Their comrades, the Juniors, were notified to give their aid on Thursday and Friday.

Professor Sedgwick is making arrangements for the entertainment of the Affiliated Societies of Naturalists, which meet in Boston the last of this month.

Mr. Perkins, whose bequest to Technology was chronicled in the last number of THE TECH, was a special student in Mining at the Institute, in '72.

All men desiring to join the Deutsche Verein will please send their names and class to W. G. Zimmerman, '98, Box 51, Cage, or to A. D. Spiess, '97, Cage, at once.

The meeting of the Y. M. C. A. Saturday morning, December 12th, was led by G. M. Fisher, Boston Intercollegiate Secretary, who gave a short talk on "The Manliness of Christ."

A list of the membership of the Electrical Engineering Society, for publication in "Technique," has been posted in Walker. Corrections should be handed in as soon as possible.

Professor Carrier had an article in *The Chautauquan* for October on "The Geographical Position of France," which was followed by "The French Character in Politics," in the December number.

The arrangement of all the pieces of the Banjo Club has been perfected by Lawrence Addicks, '99. Mr. Addicks is a thorough musician, and has composed several trios and quartettes for the Mandolin Club.

The "Tech. Two-Step," which has just come out, can be purchased at Oliver Ditson's music store. It has lots of "go" in it, and even barring the name it bears would recommend itself to every musician in the Institute.

A meeting of the Architectural Society was held Monday noon, December 7th. Seaver, '97, was elected to membership. A committee was elected to provide for Smoke Talks at regular intervals, of the same order as the one recently held at the Technology Club.

The musical clubs are in a most promising condition as regards their selection of pieces for the current season, and the execution of the same; and Tech. men are warranted in promising their friends on December 30th a home concert of surpassing excellence.

A meeting of 1900 was held December 7, at which a class cane was selected. There will be a competition held among the members of the class for the monogram, to be judged by the artistic staff of the "Technique" Board. The cane is to be made by Collins & Fairbanks.

A course of lectures on "Physics of the Ether with special reference to the Electromagnetic Theory of Light," will be given during the second term by Professor Clifford, of the department of Physics. The course is intended primarily for graduate students and advanced students in Physics.

A Naval Architectural Society is the latest addition to our local organizations. It was formed December 7th, and already has over twelve charter members. It is formed for social and mutual benefit purposes. Officers, L. W. Riddle, '99, President; W. R. Bean, '99, Vice President; W. S. Newell, '99, Treasurer.

The prospectus of the Civil Engineering Society for the year is most promising. The Programme Committee is exerting itself to offer to the members matter of practical value and supplemental to the courses pursued at the Institute. The under class men will find it highly beneficial to attend the meetings of this Society regularly.

As a result of the Missionary Conference held in the Association Building, November 20th and 21st, two mission classes have been formed, under the leadership of C. M. Lewis, '99, with a total membership of thirteen. Harlan P. Beach's little work, "The Knights of the Labarum," containing the lives of Judson, Duff, Mackenzie, and Mackay, is being used as the text-book.

For the notification of those who have not seen the notice in the corridor, it may be said that "Technique" desires the names of all fraternity men, whose societies are not represented at Tech., together with their fraternity and chapter. Notices should have been left with Geo. F. Ulmer, society editor '98 "Technique," by December 15th; but if any have not yet been handed in, they should be, at once in order to insure publication.

The tickets for the L'Avenir Theatricals on Saturday are selling merrily. The cast of the

play, "A Tech. Man's Love Affair," is announced as follows: M. Delaroux, C. T. Leeds, 1900; Mme. Delaroux, F. W. Southworth, 1900; Mlle. Elise Delaroux, O. G. Luyties, 1900; The Hon. A. Percy Cholmoudeley, LL.D., A.S.S., C. E. Lord, '98; Harry Richardson, G. E. Lynch, '99; Fred Larkin, F. H. McCrudden, 1900; Mary Ann O'Shaughnessy, G. L. Smith, '98; Terence Mulvaney, E. S. Chapin, '98.

A reorganization meeting of Der Deutsche Verein was held December 7, at the call of W. G. Zimmerman, '98, at which it was decided to have a dinner at some date in the near future. The following officers were elected: W. G. Zimmerman, '98, President; E. R. Heissler, '97, Vice President; A. D. Spiess, '97, Secretary; F. H. Keisker, '97, Treasurer. Membership Committee (one member from each class), H. R. Vahlkamp, '97; G. F. Ulmer, '98; G. C. Winslow, Jr., '99; G. Magee, Jr., '99, temporarily acting for 1900.

The Gun Club bids fair to become the most prosperous society at Tech. It now numbers over fifty members, all of whom are very enthusiastic, and show more interest in the Club than do the members of any other of our local societies. The booth which is being built at Winthrop is well under way, and will be ready for use in time for the next shoot. The scores at the last shoot were as follows: Twenty-five blue rocks, mixed angles, E. C. Emery, 15; Cahn, 10; S. B. Miller, 11; W. Adams, 11; E. Durgin, 9; E. A. Gibson, 8.

The overcoat thief, who for the past three weeks has made it unsafe for anyone to leave his coat in the lunch room, was at last captured by special officer Drake last Friday afternoon. The man, after taking a coat belonging to Mr. Fyfe, '97, started to go out through the Mining Laboratory, but was caught by the detective before he could make his escape. He was then, after some trouble, carried up to the corner of Clarendon Street

and Boylston, where, by great good luck, a policeman was found. He was then carried to the station. He protests his innocence, but was identified by several people as being the same who has been seen loafing around the lunch room several times before. When he was taken he had on his person claim checks for coats from several prominent hotels.

A Christmas Invitation.

THE Technology Club desires through THE TECH to extend its most cordial invitation to all students of the Institute who have no other invitation for Christmas Day, to make full use of the privileges of the Club. This means that every student is invited on that day to visit the Club House, and make himself at home there. If he chooses he can get his Christmas dinner, he can smoke, he can read, he can write, he can play billiards, chess, cards, in short, he can leave the dreary shades of a deserted boarding house and enjoy the day with other M. I. T. men in comfort. He is practically a member of the Club for that day. It is hoped that dozens of our men will avail themselves of these privileges, accepting them informally in the spirit of *camaraderie* in which they are so cordially extended.

Resolution.

WHEREAS, The Class of 1900 acted under a misunderstanding in refusing to meet a committee of the Class of '99 to confer regarding the result of the late Cane rush, and

WHEREAS, The feeling of the Class of 1900 is opposed to that action, be it hereby

Resolved, That the Class of 1900 apologize to the Class of '99 for said refusal, and offer to meet a committee appointed by Class of '99 at any time they may see fit.

C. M. LEONARD, *Sec'y.*



On account of there being only three entries in the fence vault the event was given up last week. Of late years interest in this once prominent event has fallen off.

Mr. A. Lovering, a Senior at Harvard, recently broke the strength record of the college, formerly held by Klein. His total was 1,535½ points, or 6½ points better than Klein's record.

Morse, '99, has the making of a good long-distance runner. In the B. A. A. road race last Saturday he came in fourth, getting one of the six prizes awarded. The run was a handicap one, over the usual course to Coolidge's Corner and back. Mills, of Berkeley School, finished first in 25 minutes 33 seconds, beating the record recently made by Osgood.

The medals given as prizes for the games of last spring and the fall meets of this year were distributed early last week. They are in silver and bronze, for 1st and 2d places respectively. The engraving is by Shreve, Crump & Low; one side being their design, and the other a reproduction of the old M. I. T. Athletic Club seal of crossed foils and clubs. The execution is admirable, being clear cut and accurate, but there is a feeling about that the design is not entirely artistic or even appropriate, considering the fact that neither fencing nor club swinging hold a prominent part in our athletics to-day. As the die was new, anyway, a more artistic design might have been secured without extra expense. There is, of course, sentiment and historical value attaching to the present design, which might, perhaps, warrant its general adaptation as the Athletic Association seal.



'68. Mr. C. C. Gilman, Course III., has just completed one of the sections upon the great Chicago drainage canal.

'73. F. B. Morse, Course I., has recently accepted a position with Fraser and Chalmers as Consulting Engineer. Previously he had served as agent only for this company.

'76. J. B. Henck, Jr., Course VIII., is now in the Roadway Department of the Union Traction Company, Philadelphia, Pa.

'81. Dr. John Duff, of Course V., after graduating, took the superintendency of a Western mine. Resigning this, he went to the Harvard Medical School, and now has one of the most extensive practices in Charlestown, his native town, in Massachusetts.

'82. F. C. Morrison, Course I., has severed his connections with the Southern Pacific and California Bridge Companies, and now hangs out his card as a Civil and Bridge Engineer with a private practice.

'84. W. F. Carr, Course I., was last year general manager of the Roanoke Electric Light and Power Company. Mr. Carr is now engineer of the Track and Electric Department of the West Chicago Street Railway Company.

'84. Mr. S. L. R. French, Course I., Roadmaster Eastern Division Boston and Maine, comes to the front again in connection with the recent "coal shed" fire. Upon him fell the straightening out of the confusion resulting from the fire, and he certainly proved himself equal to the task imposed upon him.

'86. B. C. Batchelder, Course II., holds a position as Pneumatic Engineer with the Transit Company, Philadelphia, Pa.

'88. J. W. Loveland, Course V., has been advanced to the position of Superintendent of the Curtis Davis & Company, Soap Manufacturers, Cambridgeport, Mass. Mr. Loveland was formerly employed as Chemist with this company.

'89. H. M. Hobart, Course VI., is now with the British Thomson-Houston Corporation, Limited.

'93. Mention was made in the Alumni Notes of the Thanksgiving number of THE TECH of the fact that notices had been sent to all members of the class, asking for circulars of information regarding business careers, etc., which will be published in a class catalogue. Not meeting with sufficient response, the committee has sent out a second request. This catalogue will not only be of value to '93 men, but, from a statistical standpoint, to Technology men at large. The committee is composed of F. N. Dillon, Course V., H. A. Morss, Course VI., and F. H. Fay, Course I.

'94. W. O. Scott, Course V., who has until recently been assistant to Dr. Noyes, has accepted a position with the Nicolsen File Co., of Providence, R. I.

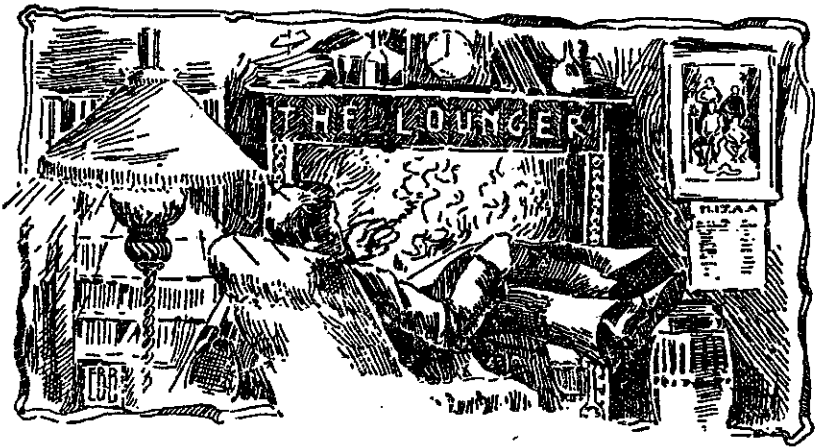
'96. W. S. Leland, Course XIII., is with the Union Iron Works of San Francisco, Cal.

'96. H. F. Tafts, Course II., is with the U. S. Naval Construction Co., at Newport, R. I.

'96. R. W. Porter, Course IV., recently lectured at Reading on the Greenland expedition.

'96. David W. Beaman, Course VI., is with the West End Street R. R. Co., as an engineer.

'96. John E. Lonngren, Course II., the first Swedish graduate of Tech., has accepted an engineering position in Virginia.



THE Lounger wishes to testify to his disapprobation of certain methods and devices employed by the advertising department of THE TECH Board. He was intensely shocked to perceive the puerile jingles which last week were strewn broadcast over the Institute, and in which his own name was coupled with those of two other Technology dignitaries in a manner detrimental to all three. His remarks themselves which provoked this effusion were, as usual, of a pure and blameless character. This performance of the aggressive business management was indeed only the culminating point in a long series of insults to propriety and the Queen's English. The Lounger refers to the brown-paper posters which have decorated each week the corridors of Rogers, and whose diction and chirography has been of a character to make the Father of his Little Son and Freehand Charles fall into each others arms and weep salt tears. Really, the Lounger must remind the perpetrators of said abominations that there is a dictionary in THE TECH office which they would do well to consult. This dictionary, by the by, is at present used as a prop for the off hind leg of the Editor in Chief's desk, which is more abbreviated than its congeners, but it can be taken out for consultation if necessary.

Oh Vanity, Vanity, what folly is committed in thy name! Thus mused the Lounger as he paused to regard the aggregation of becombed youths perched upon the steps of the Natural History Building last Friday noon. There has been no such exhibition of staid propriety since the last meeting of the Y. M. C. A., and probably never since the erection of the Museum has its exterior so rivaled its interior in the exhibition of strange beasts and curiosities. One thing, however, was wanting to complete the group. An ever courteous official sprang up to encourage a coy Co-ed. who bashfully lingered upon the outskirts, and led her in triumph to the very center of the group, where she sank modestly behind the canvas

of the inevitable placard, and was completely lost to view. Now began a painful period of expectation, varied by invective leveled at the passerby. One champing steed rashly paused near the scene of the ceremony and received many personal taunts, and was well-nigh deafened by the class yell of the lusty Juniors. The creature was of a phlegmatic temper, however, being, indeed, of the breed under which it is necessary to kindle a bonfire when a start is to be made, and he resisted even these terrible assaults. A glorious sight was it to behold the noble animal, after his first moment of surprise, comprehend the situation and gaze back at his traducers with supreme *hauteur*. And as he turned to go, at last, a quiet smile flickered about his left mustache as he realized that the attempt to horse him had signally failed.

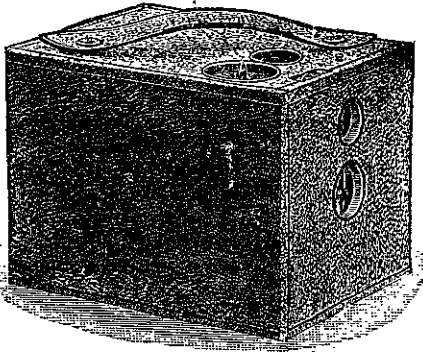
The Lounger has been much troubled of late to observe the extreme bumptiousness of his friends the Freshes, and he welcomes with approval the rumor that they have at last descended from their perch and consented to meet the rest of the human race for a short time on an equal footing. Since the cane rush a tendency to a somewhat undue elation of mind has been manifest, which has shown itself in the class at large by a refusal to admit the Sophs. to conference as to the decision of that event, and which appears in certain individual members of the body as an insatiate thirst for honors of every sort and kind. The Lounger might remark that in cases where the election to a position depends upon upper classmen, a seemly lowliness of demeanor and a manifestation of interest in the object sought will go far to disabuse their minds of any suspicion that the aspirant merely desires one more honor added to a lengthy list. However, setting all moralizing aside, the Lounger is hopeful that the Freshmen will preserve a more modest port in future, and if arbitration in the matter of the recent cane rush is desired, he will be pleased to place his carefully poised judgment at the service of the disputants. No 1900 man need, however, feel obliged to accept this offer; if some other authority is appealed to, the Lounger will not be in the least offended, but will continue to "sew his own pants," as the French say, in peace and quietness.

I change my boarding house in vain;
I change the place, but not the pain.
I've yet to learn from one of Eve's fair daughters
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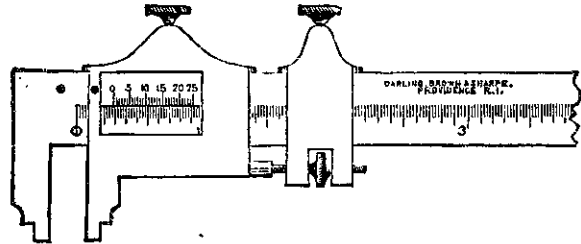
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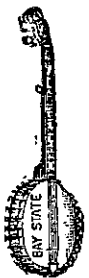
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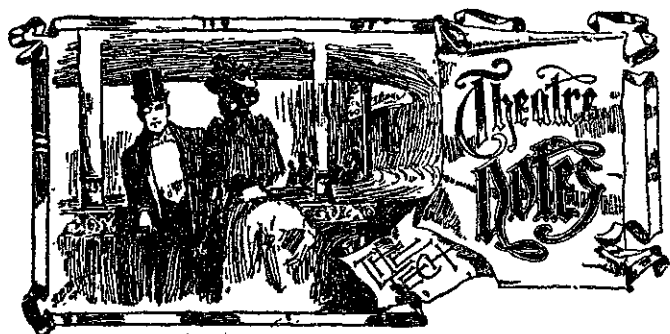
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Park Theatre.—"Lost, Strayed or Stolen," has been so favorably received at the Park that it is to remain some weeks longer. The brightness of the lyrics and catchiness of the music, combine to make an entertainment of much more than average merit.

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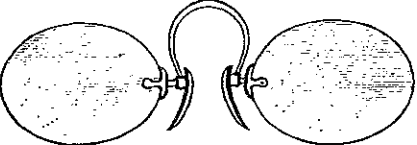
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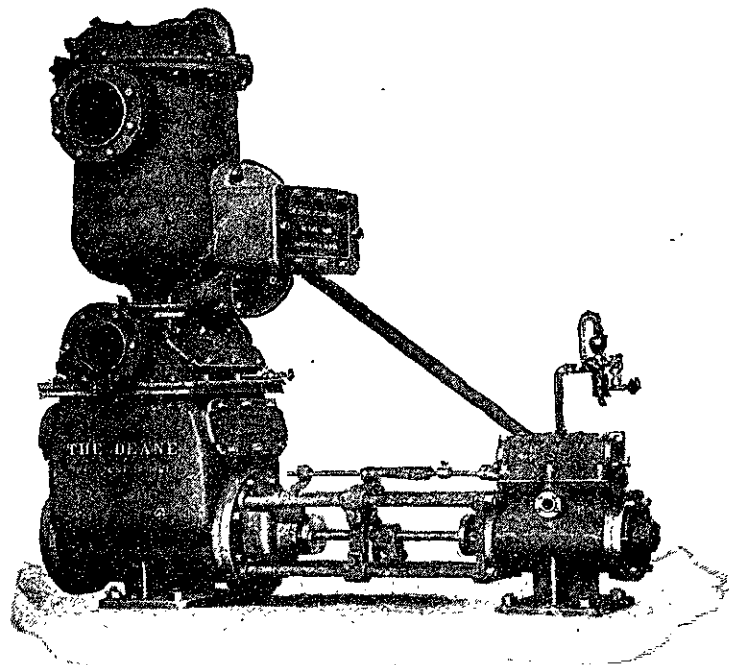
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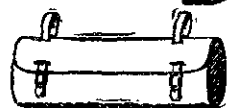
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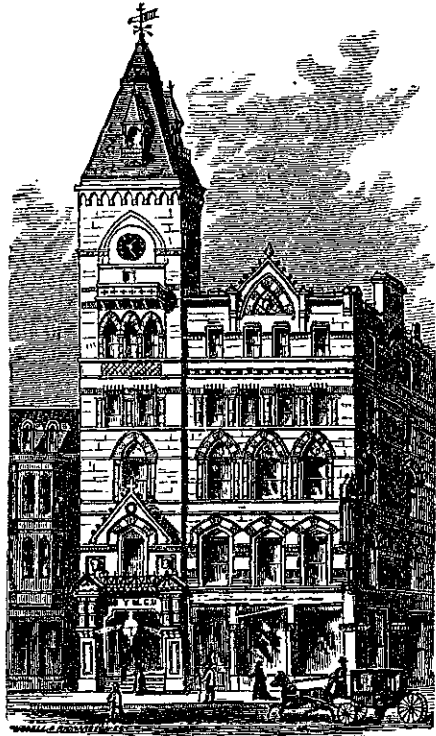
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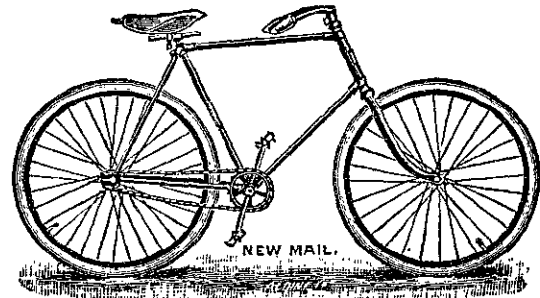
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