



Volume XVIII.

Number 13.

December 29, 1898.



OVERHEARD AT THE CANE RUSH.

"Say, Mister, but dat's a stinking game, aint it?"

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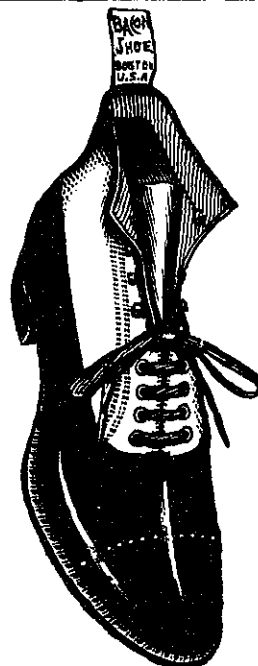
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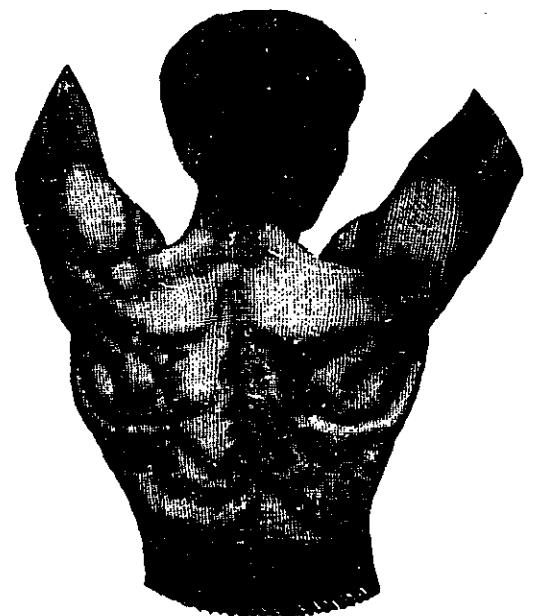
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# THE TECH

VOL. XVIII.

BOSTON, DECEMBER 29, 1898.

NO. 13

## THE TECH

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

MORGAN BARNEY, 1900, *Editor in Chief.*

STANLEY G. H. FITCH, 1900, *Assistant Editor in Chief.*

PAUL RAYMOND BROOKS, 1900, *Secretary.*

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### OFFICE HOURS:

**Editor in Chief,**  
**Business Manager,**

**Saturday, 12-1 P.M.**  
**Saturday, 12-1 P.M.**



THE present sees, in all the leading New England Colleges, the question of athletic policy creating wide discussion. This restlessness and uncertainty dates from the time Dartmouth proposed a dissolution of the old league, the triple alliance of Dartmouth, Williams, and Amherst, mainly on the ground that she had nothing to gain by winning against such colleges. Since then, leagues between Dartmouth, Wesleyan and Brown, and Amherst and Williams, and Williams and Wesleyan, have all been suggested.

At Technology correspondence is now being carried on with Amherst in regard to a Dual Meet to take place in the spring; and a meeting now seems assured. If such an arrangement is made it will probably be contained in a two years' agreement; the first Meet to take place at Amherst, and the second

one to be held here in Boston on the "home grounds," in the spring of 1900.

However, if, instead of a Dual, a three-cornered Meet, to include Brown, could be arranged, Technology men could be depended on to give a far stronger support to athletics than would otherwise be the case. In short, the prevailing sentiment at Technology favors a Brown, Amherst, Technology League.

So far as Amherst is concerned we are in honor bound, after the victory we won in last year's Dual Meet to consider her claims first. But there is little doubt that after the tie between Brown and Amherst at Worcester, the objections of these colleges to meeting one another again would be such as to form a serious obstacle.

In the case of Brown and Technology, Technology men still remember the time when Brown declined to meet her, on the ground of her superiority in athletics. Conditions have changed since then, and our record last season against Amherst, and again at Worcester, show how evenly the three colleges are matched. Moreover the indications are that Technology will be stronger rather than weaker in the next two or three seasons.

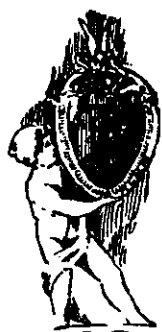
Another consideration in favor of this league is the location of the colleges. They are situated so near that traveling expenses would be small enough to insure to each team a large number of followers. When one considers that success in athletics is so dependent on financial success this should not be overlooked.

Should the subject of the proposed Meet be received favorably at Brown and Amherst, an agreement could be entered into at once and arrangements made for the coming spring. In conclusion THE TECH would be pleased to see the matter discussed, and holds itself ready to further the plan in every way possible.



WE regret that nothing was published in our last issue about the Winter Concert of the Musical Clubs, the excellence of which deserves recognition, but in the absence at that time of any definite information in regard to the net receipts, we held the entire matter over till this week, expecting to give our readers a complete statement of the proceeds from the concert.

Even at this late hour the collectors have not all made their reports, and the Manager absolutely refuses to estimate the size of the receipts going to the Junior Class. Rather than make an estimate based on other sources, we have let the matter go over another week, trusting, in the meantime, to obtain the official report.



THE Mathematical Library is now well on its way toward completion, and this means that the Trophy Room, which has been so long wanted, will soon be realized. The president of the Institute has withdrawn his direct personal furtherance of the scheme, and has left the completion to the student body. It therefore devolves largely upon the local societies and clubs, to make the Trophy Room a success. The victories of our teams should be fittingly commemorated, and possibly this room will serve as an incentive to other victories. At any rate, it will tend to strengthen and increase the interest of alumni and undergraduates in our organizations. Now that the Institute Committee has taken up the matter, we may expect to see it carried through with the least possible delay.

### The Franklin Fund.

IN view of the probable disposition of the Franklin Fund by the next Board of Aldermen, a sketch of the history of the Fund may be of interest.

Under a codicil to the will of Benjamin Franklin, admitted to probate in Philadelphia County, in the year 1790, the sum of one thousand pounds was given to the inhabitants of the town of Boston; to be managed under the direction of the selectmen and the ministers of the oldest Episcopalian, Congregational, and Presbyterian churches in that town. This money was to be let out at five per cent interest, in amounts not exceeding £60, to artisans under the age of twenty-five wishing to borrow money on good security.

The will adds: "If this Plan is executed, and succeeds as projected, without interruption, for one hundred years, the Sum will then be one hundred and thirty-one thousand Pounds of which I would have the Managers of the Donation to the Town of Boston, then lay out, at their discretion one hundred thousand Pounds in Public Works which may be judged of most general utility to the Inhabitants such as Fortifications, Bridges, Aqueducts, Public Buildings, Baths, Pavements."

In 1822, when the town of Boston became a city, the control of this money passed from the Selectmen to the Board of Aldermen and the three clergymen specified. Since 1890 the trustees have comprised the mayor, the aldermen, twelve in number, and the ministers of the three churches named in the will.

In 1893 a vote was passed appropriating the \$322,490.20 due the city of Boston from the Franklin Fund to the erection and equipment of the Franklin Trades School. Although various motions have been passed relating to the purchase of land for this purpose, no money has yet been expended.

Before the new Board of Managers, appointed in 1897 by the Supreme Court, Mayor Quincy opposed the erection of a trades school, on the ground that such a disposition

of the fund did not carry out the intention of Franklin. Forts, bridges, etc., were considered out of the question.

A hearing was held in November. President Crafts had addressed a letter to the Managers of the Fund in the interest of the Institute. This letter proposed, in case the motion relating to a trades school were rescinded, that the money should be devoted to the building and maintaining of a Franklin Museum of Electrical Science, as a most fitting memorial to the man who made such important researches in the investigation of the properties of electricity. The electrical apparatus now owned by the Institute was to be added to what could be purchased with the Franklin Fund, thus making one of the most notable and complete collections in the world. The building was to be erected by the city for the use of the Institute.

At the hearing of the Board of Managers, at which President Crafts was invited to be present, the discussion related to the advisability of founding a trades school; and President Crafts took no part, as he was unwilling to oppose the establishment of such an institution, and had only made his proposition in case the managers decided to rescind their vote. Last week Mayor Quincy secured the repeal of the act of 1893 by a vote of eight to six, but the opposition was strong enough to prevent any other action being taken; and the matter is left for the new Board of Aldermen coming into office the first of the year. The following order was lost by a vote of eight to seven.

Ordered, "That the Mayor be and is hereby authorized, if the Managers of the Franklin Fund shall purchase a building of the Massachusetts Institute of Technology, to execute an agreement with said Institute, that said Institute shall occupy said land and buildings in connection, with instructions in physics, mechanical engineering, and electricity for the term of ninety-nine years, at a rental of \$1 per annum, shall give courses of free lectures upon one or more of said subjects annually during said term, shall designate said building as the Franklin Building, and shall establish eight scholarships, to be known as the Franklin scholarships, and to be awarded to graduates of

the grammar or high schools of the City of Boston on competitive examinations."

A second order provided for the purchase of the Engineering Building and the land on which it stands, to be used for lectures and instruction in physics, mechanical engineering, and electricity, the expenditure not to exceed \$150,000. The rest of the fund was to be devoted to public baths.

The proposed mode of leasing the Franklin Building at a nominal rent to the Institute makes practically available the purchase money for uses connected with Electrical Science. Moreover, the acquisition of such a fund would be but another mark of confidence in the work that is being done at Technology. In its relation to the Franklin Fund, it would be impossible to find a public work carried out more exactly upon the lines specified in Franklin's will.

"I wish to be useful even after my death, if possible, in forming and advancing other young men that may be serviceable to their country," wrote Franklin. The service that Technology is doing for the Commonwealth in the development of such men cannot be overvalued. Not only is this influence felt throughout the industrial world, but in the late war our students and alumni were found competent to fill positions of importance in the field, and in the Engineer Corps operating at Santiago and Porto Rico, while many graduates from our course in Naval Architecture are now employed in the Government's Navy Yards.

Its particular relation to the citizens of Boston is shown by the fact that eighteen per cent of the students at Technology are Bostonians, and forty-eight per cent live in homes within daily reach of the school.

In conclusion, we trust that before the final disposition of this Fund the new Board of Aldermen will make themselves personally acquainted with our school and its work; and, if this is done, we will be content to rest the case confident that Technology will receive this aid to which she has so good a claim.

**Capt. John Bigelow, Jr.**

SINCE the beginning of the term, THE TECH has been sending letters to various places, in hopes of obtaining information regarding Capt. John Bigelow, former Instructor in Military Science. Captain Bigelow served with distinguished bravery in the operations about Santiago, and was wounded four times in the charge up San Juan Hill. The following letter, which the Secretary of THE TECH has just received, is of more than passing interest to Technology men:—

“CAMP A. G. FORSE,  
“HUNTSVILLE, ALA.,  
“Dec. 20, 1898.

“MY DEAR MR. BROOKS: Your kind and flattering letter of October 9th has been lying on my table here with other private communications, waiting for me to find time to answer it. Since the middle of October, when I returned to duty, I have been struggling to attend to all the duties of a commander of a troop of cavalry, very much run down through neglect, and encumbered with men in various stages of disablement, without a single lieutenant. It happens, after such an experience as our troops went through in Cuba, that officers are fewest when they are most needed. For our officers suffered more in proportion than the men. My regiment lost in killed and wounded eleven out of nineteen, more than fifty per cent. A large number in addition were laid low soon afterwards by various kinds of fevers. At no time since I returned to the regiment has there been one officer with a troop. Some of the officers are commanding two troops.

“I have had the most uncomfortable experience in this camp that I have ever had in camp. But the men and horses have fared much worse than the officers. The nights have been cold enough for snow and ice, and the men, most of this time, had no stoves. It has rained, and blown, and snowed, and sleeted, and done everything else that the

heavens can do to make themselves disagreeable. We are encamped on the top of a round hill, in a field of pure clay. It had been cultivated, but during our occupation of it has had nothing green on it but weeds and recruits. Happy is the soldier who has provided himself, at his own expense, with a pair of rubber boots and a rubber overcoat. Buildings are being put up for kitchens and dining rooms. People in town tell me that the worst of the winter is over. I have no doubt that it will be before these buildings are completed. We are just commencing to construct shelter for our horses, among whom pneumonia is not uncommon, and numbers of whom are suffering from abscesses and other troubles in their feet, due to standing in the mud.

“I am about to leave the line of the army to enter upon a sort of staff duty, as collector of customs at the Port of Sagual Grande, on the north coast of Cuba. I wish that I had known that this was in store for me while I was in Boston. I might have learned something about the duties of a collector of customs in my intervals of leisure as Professor of Military Science. But there is no use in an army officer's trying to guess what the Government is going to put him at.

“With my best wishes for the continued success of THE TECH, and for a Merry Christmas and Happy New Year to you and my other friends at the Institute, I remain

Very cordially yours,

JOHN BIGELOW, JR.

“I suppose I can get a Tech. man to design me a palace and custom house.”

J. B., Jr.”

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WE regret to announce the death of William Henry Smith, of the Class of 1900. Mr. Smith died at the City Hospital Saturday, December 17th.

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### The Society of Arts.

THE Society of Arts held their bi-weekly meeting last Thursday evening with the Boston Society of Civil Engineers and the Society of Natural History. The evening was devoted to an inspection of the new Pierce Building, with brief remarks by the several gentlemen prominent in the arrangement and construction.

The guests were informally received in the Margaret Cheney Room by Mrs. Wm. Barton Rogers, Mrs. Cecil H. Peabody, Mrs. Gaetano Lanza, and Mrs. Ellen T. Richards. After the reception President Crafts called the meeting to order in the Fourth-year Architectural Drawing room. After a few words of welcome he introduced Professor Homer, who had charge of the construction.

Professor Homer spoke of the general scheme, which he said had been used in the Architectural and Engineering Buildings. This is the mill construction which, from experience, has been found most suitable for school purposes, affording good light—a detail of very considerable importance in the drawing rooms. Professor Homer said that the great difference in the various floor schemes presented a complicated problem in gas lighting and plumbing. This had, however, been satisfactorily solved.

Prof. S. Homer Woodbridge followed with a description of the heating and ventilating apparatus.

Professor Puffer then spoke of the electric-lighting system. The problem in this department was a very complicated one, and the present system is the result of many experiments carried on in the other buildings. The lighting of the various departments has been, however, very satisfactorily accomplished.

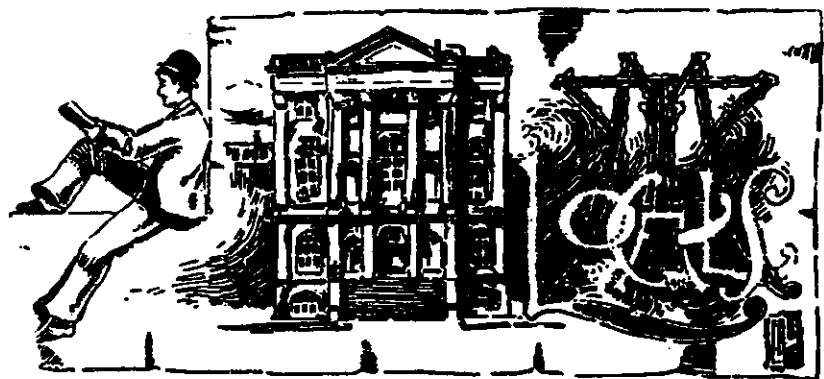
Professor Lanza spoke of the increased floor space of the Mechanical Engineering Department, and of the distribution of the engines and machines.

Professor Sedgwick gave a brief review of the growth of the Institute and of the Society of Arts, recalling the fact that the

date of the meeting was very nearly the thirty-sixth anniversary of the first meeting ever held by the Society. Professor Sedgwick also spoke of the excellence of the accommodations now afforded the departments in the new building.

The meeting then adjourned, and the three hundred guests made a tour of inspection of the building. Every department was lighted, and specimens of work shown with instructors in charge to explain things of interest. In the Mechanical Engineering Laboratories, under supervision of Professor Miller, tests were made on the Emery testing machine and on the beam-testing machine. After these tests the company assembled in the lunch room, where refreshments were served.

Among the many prominent persons present, beside a large number of the faculty, were seen Dr. and Mrs. Williams, Mr. Desmond Fitzgerald, of the Boston Society of Civil Engineers, Mr. Frederic P. Stearns, of the Metropolitan Water Board, and Mr. Peabody, the newly elected member of the Corporation. Mr. Charles Gilman Hyde, '96, and Mr. C.-E. A. Winslow, '98, ex-Editors in Chief of THE TECH, were also present.



At a meeting of the Sherwood Club on December 22d, at Young's Hotel, the following men were initiated, H. O. Cummins, J. D. Evans, P. H. Parrock, and R. Plum.

The Senior Class has decided to watch the old year out and the new year in on the steps of the Rogers Building. The members will assemble earlier in the evening at the rooms at the Technology Club, where refreshments

will be served at ten. There will also be singing by the Glee Club.

The drawings for the Preliminary Round in the Chess Tournament have been completed, and the games are to be played by January 7th.

This evening the Glee, Banjo, and Mandolin Clubs will give a concert at Gloucester. At the close of the concert there is to be a dance, and the Clubs will return to-morrow.

Professor Despradelle has lately returned from California, where he had gone to determine accurately the local peculiarities for his plan of the new buildings to be built for the University of California. The buildings are the gift of Miss Phœbe Hearst, and the plans were submitted to the competition of the architects of the world. From these competitors eleven architects were chosen, among whom is Professor Despradelle. The final selection among the plans offered by the eleven, will be made in about five months.

At a meeting of Die Gesellschaft on Thursday, December 15th, Professor Vogel gave a short talk on the life and works of Lessing, and parts of the comedy "Minna Von Barnhelm" were analyzed. On Monday evening, December 19th, the members of the society attended the production of "Engelmann's Rache," given by the "Deutsche Theater Gesellschaft," at the Dudley Street Opera House. On December 21st, Professor Vogel gave a brief lecture to Die Gesellschaft, on the subject of the early German books and writings.

#### LONELINESS.

The earth's all wrapped in gray shroud-mist,  
Dull gray are sea and sky,  
And where the water laps the land  
On gray sand-dunes stand I.  
Oh, if God there be, his face from me  
The rolling gray mists hide;  
And if God there be, his voice from me  
Is kept by the moan of the tide.

—*The Vassar Miscellany.*



'75. Mr. W. F. Sargent, I., manager of the Atlantic Refrigerating Co., has moved his office from Springfield to 224 Franklin Street, Boston, Mass.

'76. Mr. A. L. Mills, I., is now a member of the firm of Paddock, Dodge & Co., Grain Merchants, of Toledo, Ohio.

'79. Mr. Geo. F. Riggs, I., has moved to Eglon, W. Va.

'82. Mr. Edw. G. Gardiner, VII., is abroad for the winter.

'82. The Class Boy, Clark Carson, is at Lawrenceville School, N. Y., preparing for Tech.

'84. Barrett L. Chandler, formerly of Valentine & Co., varnishes, is in business for himself, at 193 Emmett Street, Newark, N. J.

'84. Dean W. Park, III., formerly assayer at Great Falls, Montana, is with the Boston and Montana Mining Company, in their gold mine at Merced, Cal.

'86. Mr. William L. Brainerd, IV., has opened an office as architect at 227 Broadway, Paducah, Ky.

'88. Mr. Edw. Collins, Jr., VI., is a patent examiner in Washington.

'93. S. H. Brockunier, III., has been at the Institute the past few weeks, running some two thousand pounds of ore through the stamp mill. Mr. Brockunier, who is manager of the Virginia Mining Co., brought the ore from the company's claim on a tributary of Rainy Lake in the Western Ontario Gold Fields. He ran the ore, which is very rich, with the purpose of ascertaining the best method of treating it to obtain the gold.



The annual Open Meet of the B. A. A. will be held in Mechanics Hall on February 18th. The date is somewhat later this year than any before, and because of this fact Tech. should be represented by a large number of men.

Pray, '99, is entered in the two-mile B. A. A. invitation. This is a scratch event, and Pray will meet such men as Wright of Brown, Bray of Williams, Alex. Grant of U. of P., Dick Grant of Harvard, and Cregan of Princeton.

The relay team is also entered, and will probably run Columbia or Cornell. The following men started training for the Relay team last Friday: Dutton, '00; Garrett, '01; Horr, '02; Hall, '00; McMasters, '00; Priest, '00; Pope, '02; and Emery, '00. This is a strong field to pick from, and any four of this lot will make any team travel fast to beat them. They are handicapped somewhat by having to train on a twenty-two-lap track, but new raised corners have been made, which extend entirely around each end of the "gym.," and the track is in much better shape than ever before.

Priest, '00, intends to drop the half and quarter mile distances and try the mile. With his stride and strength he ought to develop into a fast man at the longer distance.

L. Stewart, '00, is coming out for the 440 in the spring.

W. G. Sucro, '01, was elected captain of the 1901 Baseball team.


At a meeting of the M. I. T. Football Association, Friday noon, December 23d, officers were elected for the ensuing year as follows, R. W. Stebbins, '99, President; C. C. Briggs, '00, Vice President; and A. L. Churchman, '00, Secretary and Treasurer. S. P. Brown, '00, C. T. Bilyea, '01, and A. W. Allyn, '02, were chosen as class representatives on the Executive Board. The reports of Treasurer J. L. Tufts and Manager A. R. Holliday were read, and being not quite complete, were referred to the Executive Board for final acceptance.

#### About the Buildings.

The Boiler Test of the fourth-year students begins January 2d, and runs continuously for eighty-eight hours. On January 9th it commences and runs again for eighty-eight hours. Two tests are necessary in order to give each student a watch. There will be twenty-two watches with four or five men on a watch.

At the side of the Engineering Building, adjacent to the boiler house, a brick kiln for drying lumber has been built. The kiln is about twenty-two feet long, six feet wide, and five feet high. At the bottom of the kiln is a coil of steam pipe; air is blown over the coil, and from there the air passes around the lumber. The moist air is taken out at the top. The kiln will be used to show the effect of different degrees of temperature on the strength of lumber.

"THE GIRLS ARE FOND OF THESE."

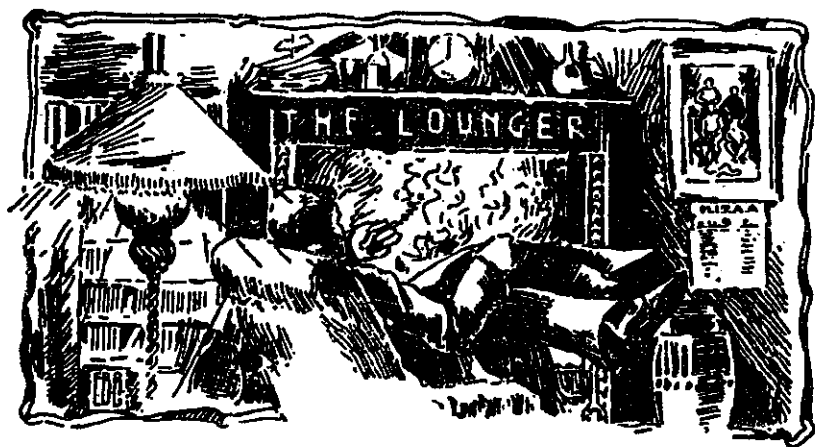


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THE passing of the brief reign of that jovial saint whose yearly arrival creates such an unusual demand for the largest sizes of hosiery, and the near approach of the day so generally associated with the turning over of new leaves and the drawing up of lofty and ennobling resolutions, finds the Lounger hastening, with his usual celerity, to resume his accustomed routine of peace and quiet. As the receding of a mighty ocean tide leaves upon the shore for many days the marks of its presence, so an acute observer (like the Lounger) may find traces of the festal season throughout the entire Institute, in the shape of new suits, overcoats, neckwear, and the like. Less noticeable, perhaps, but none the less unmistakable, is the exasperated look upon the gentle countenance of the Bursar, telling plainly of the numerous checks which have been presented for cashing. A tendency may also be noted in certain quarters toward the exposing of a great expanse of cuff surface, lest the light of a new pair of links should be unduly eclipsed, and the Lounger has also already received many queries in regard to the best and most expeditious methods of coloring a meerschaum. Patience and good humor are everywhere apparent, and the merry twinkle still lingering in the eyes of many a "prof." tells in eloquent terms that the joy derived from the filling of the stocking and the decorating of the fragrant pine, does not all belong to the children. Thus, with these and many other signs to bear him witness, the Lounger can fearlessly announce that Christmas has been here.

Although the Lounger hesitates to claim membership in the Football Association, under the remarkably general, broad, and liberal announcement by the said body that "all *students* are considered members," nevertheless he has always been pleased to lend his experience and advice to their councils. It was in this capacity, consequently, that, at the meeting of

the Executive Committee of the Association last Friday, he was extremely interested in a certain item of the manager's report of expenses, which read, eight dollars and some cents for washing! Together with all who are truly interested in the Team, the Lounger is of course anxious that they should play good "clean" football, but never before did he thoroughly realize the expense attached to this sort of game. He is particularly sorry, moreover, that further details were not given as to whom, or what, it was that was washed. A Turkish bath for the whole Team for the amount stated, would, he feels, be remarkably cheap, while on the other hand, if the bill included simply the Captain and Manager, the Lounger deems that the usual appearance and habits of these gentlemen compel him to say that the price named was notably exorbitant. Whichever was the case, however, the Lounger is pleased to observe that the officials of the Association must appreciate, at least in some measure, the old proverb, "cleanliness is next to godliness," and on the whole he is convinced that the Y. M. C. A. should feel decidedly encouraged at so substantial a gain in this hardened quarter.

"Imitation," it is said, "is the sincerest form of flattery," and while the Lounger feels compelled to compliment the editors of the Boston *Herald* upon their good taste in copying verbatim from the columns of his friend, the Editor in Chief, the extracts from the report of President Crafts which appeared last week, he cannot but bewail the lack of certain elements of newspaper courtesy shown in not giving due credit for the same. The Lounger would not be greatly astonished to find, some dark, cold, and dreary morning, copies of his own effusions in the sheet referred to, and he takes this occasion to warn his friends to put no faith in any such, as the Lounger has not, never has, and never expects to have any connection whatsoever with those journals which, in times past, have, from either ignorance or other cause, proved so complete cyclopedias of misinformation in regard to the Institute and its affairs.

#### ON THE LINKS.

A maiden of fancy unique,  
Once tried to play golf with a clique,  
The ball went on high  
(Almost touching the skigh),  
And she said, "It's a cinch I'm not wique."

—Cornell Widow.

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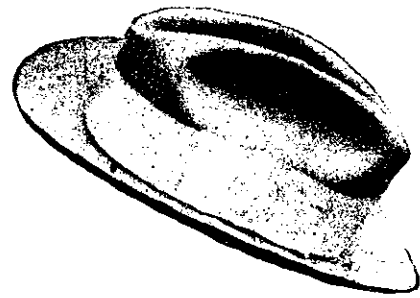
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**Castle Square Theatre.**—"The Three Musketeers" will be produced next week. The

name of this play is a sufficient guarantee of interest and quality.

**Hollis Street Theatre.**—Nat Goodwin and Maxine Elliott, during their present engagement, will play "Nathan Hale" at every performance save on Saturday, Dec. 31, when the afternoon will be devoted to "An American Citizen," and the evening to "A Gilded Fool."

**Park Theatre.**—Henry E. Dixey is scoring a great success in the role of a typical circus clown in the Parisian vaudeville, "Hotel Topsy Turvy." David Lythgoe and Alice Athernone assist greatly in the merriment of the piece.

**Boston Museum.**—Mr. William Gillette has another laurel in the success of "Because She Loved Him So." The New York engagements of the company have been canceled in order to extend the engagement here. The play is clean, bright, and amusing.

**Boston Theatre.**—Hanlon's Superba will be produced during the week of December 26. The play is so well known and such a general favorite that it is sure to be well patronized.

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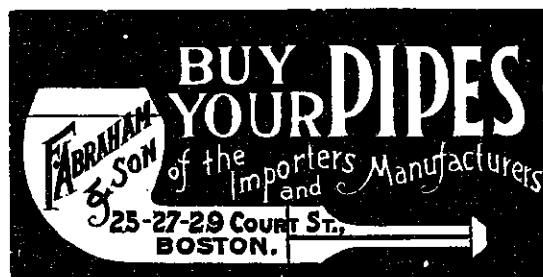
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