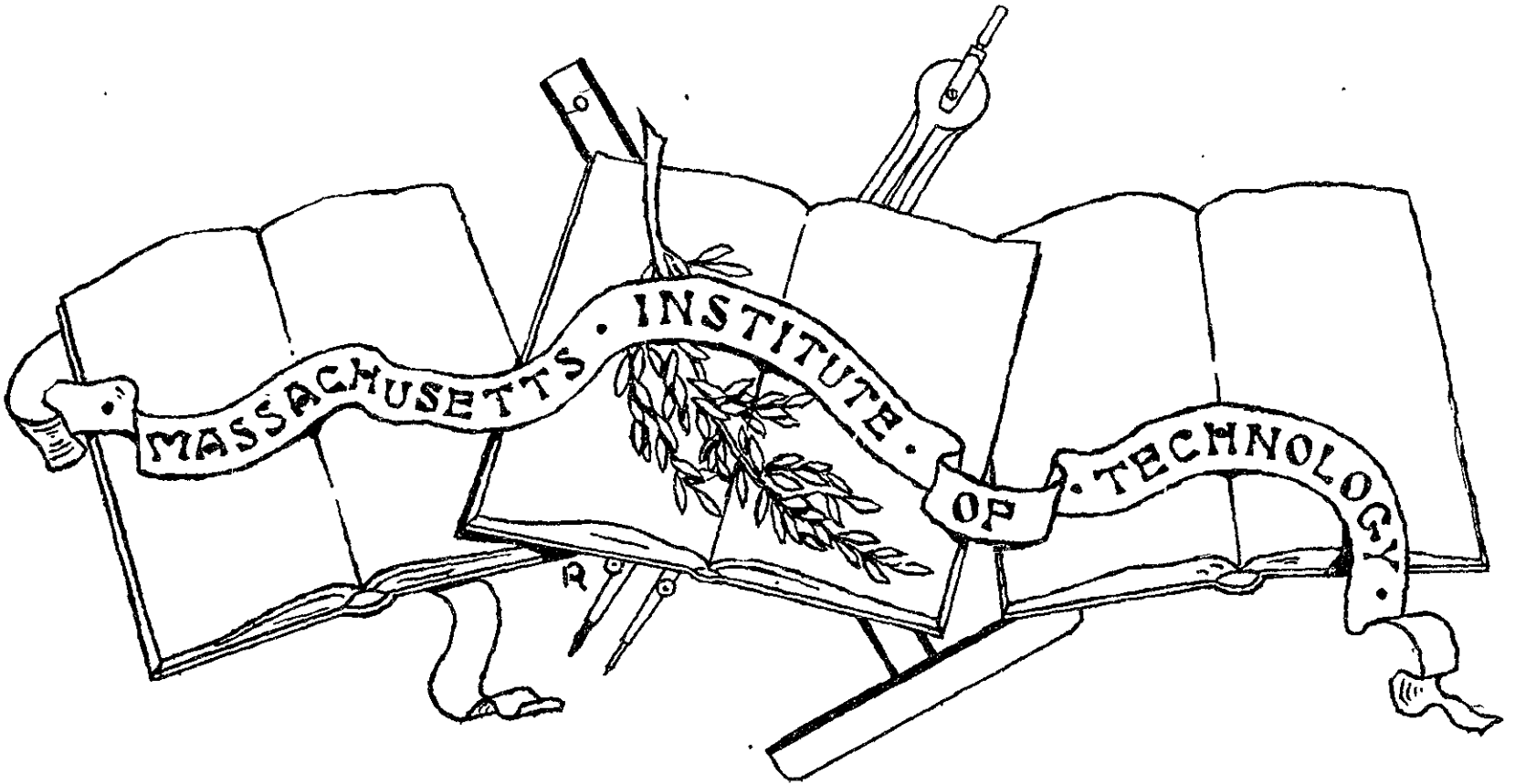
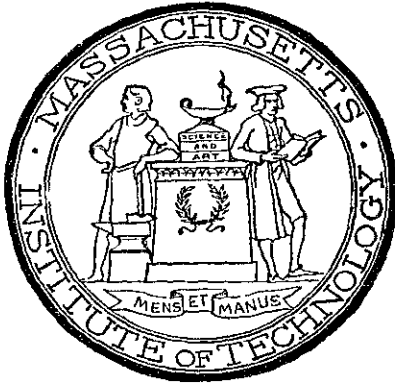




# THE TECH



BOSTON, MASS.

VOLUME XVI.

NUMBER 25.

APRIL 22, 1897.



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# THE TECH

VOL. XVI.

BOSTON, APRIL 22, 1897.

NO. 25

## THE TECH

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

CHARLES-EDWARD AMORY WINSLOW, '98, *Editor in Chief.*  
CLARENCE RENSHAW, '99, *Assistant Editor in Chief.*  
THOMAS EDDY TALLMADGE, '98, *Secretary.*  
HARRY DRAPER HUNT, '97.  
MORRIS KINNARD TRUMBULL, '97.  
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WILLIAM EATON WEST, '99.  
GERALD MARTIN RICHMOND, '99.

W. R. STRICKLAND, '98, *Business Manager.*  
E. R. SHEAK, '99, *Ass't Business Manager.*

Subscription, \$2.50 per year, in advance. Single copies, 10 cts. each.

*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.*

Frank Wood, Printer, 352 Washington Street, Boston.

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IN the death of Henry D. Hyde, Technology has met with a severe loss. A member of the Corporation since '82, Mr. Hyde has always been a true friend to the interests of our Alma Mater, and an able counselor in her behalf. He was a thorough and eminently successful lawyer, not only commanding an enviable practice in Boston alone, but well known throughout the country as one who was peculiarly adroit in straightening out the intricacies of prolonged lawsuits. He was singularly capable, in that his power seemed to lie in stating the facts of a case in a remarkably clear manner, and with little appeal to the technical points at law. His presentations seemed more to be a business man's solution of the questions at issue than a lawyer's special plea.

This quality, alone, always recommended him as an invaluable attorney, and as such

Mr. Hyde was at the time of his death the representative or director of many business concerns in all parts of the United States. In him Technology has lost a faithful friend and our country at large one of its worthiest sons.

ARRANGEMENTS have just been made through Mr. Vincent, Captain of the Harvard Track team, and Mr. Grosvenor, of Technology, by which Technology's Track team will meet a Harvard "Second Mott Haven team," in dual games on Holmes Field, Cambridge. These games will undoubtedly be a powerful aid to the cause of athletics at Technology, and too much cannot be said in praise of the scheme and those who are furthering it. THE TECH has always advocated dual meetings, but this is the first time that such a one has been possible at Technology.

The games will take place on Saturday, May 15th, this being the same date as the Harvard-Yale dual meeting at New Haven. Regarding eligibility the same rules will govern as control the Intercollegiate meetings. This will debar Putnam, our jumper, but as far as we know he is the only one ineligible. Each college will be allowed to enter six men in the running events, and three in the field events, and prizes will be given for first, second, and third.

There is every reason to suppose that these games will be well supported by the students of both colleges. And in this matter especially, we hope that Tech. will not be behind Harvard.

ALL who saw the Competitive Drill last spring, will remember the splendid physique of the Brown battalion. The men there

have a regular course in the gymnasium, each man following an individual prescription of exercise by the physical director.

This is just the plan which the Committee on Gymnastics has now under consideration, and which we hope to see carried out at Technology.

### "Technique" Ninety-eight.

(By our Ninety-seven Correspondent.)

By the courtesy of the editors of "Technique" Ninety-eight who, several days ago, placed in our hands a copy of the Annual fresh from the press, we are able to give our readers a review of the book in this issue.

Since the appearance of "Technique" Ninety-five which, if it did not mark ours as the typical College Annual of the country, certainly placed it in the foremost rank, there has been no rapid advance in literary or artistic excellence on the part of succeeding editors, and superiority has only been attained through conscientious work and study, and careful regard for details.

The Ninety-eight editors have evidently recognized this and have especially devoted themselves to securing the greatest possible accuracy in statistical matter and the best of all that is witty; and in these ends they have met with surpassing success.

"Technique" as it comes to us this year presents at the outset its only radical departure from former volumes—it is bound in leather. While we regret that the Board, in order to accomplish this, found it necessary to advance the price of the book in the face of the example set by the business management of Ninety-seven in showing that an attractive and satisfactory binding could be still obtained for one dollar, we must concede that the change adds materially to the finish of the edition.

The book is fittingly dedicated to the memory of our late President, and for this, the excellent photogravure of the General, and the

masterly account of his life, the Board will have the gratitude of every friend of Technology.

We have again been given a frontispiece, and this time, though simpler, it compares very favorably with that of Ninety-five.

The photographs of the Faculty, while hardly as well arranged as of late, are faithful likenesses, and the accompanying letterpress is fully up to the standard.

A happy feature of the book is the new departure in the matter of class histories, and great praise is due the Board for its success in affording relief from what, in the past, bid fair to become monotonous.

The reproduction of the class group, though its key may be better, is not as satisfactory as in former years.

There is a great deal of meritorious and enviable artistic work shown in the panels and "head" and "tail" pieces which are scattered through the pages devoted to athletics, musical clubs, and societies, and these, together with the introduction of reproduced "snap shots," command more attention than ever.

The Department of Athletics is, as usual, well handled, good use having been made of the greater space given to it; and the Grinds, while more daring and severe than those of recent years, are extremely clever and original.

The Quotations are more numerous than in the past, and some of them are quite out of the beaten path and are very apropos.

Two new features have been introduced into the Statistics: a table of the salaries of graduates, and one of the required hours of preparation and recitation in the various courses during the four years. These added to the extended College Statistics make this department unusually interesting.

The number of advertisers is larger than ever, and their contributions make an attractive display.

It cannot be said that the average of the artistic work is higher than that of last year,

but if there is any fault to be found, it lies in the rendering rather than in the conception, for throughout the book there is evidence of the artist's eye for the "fitness of things."

The literary work, notwithstanding the absence of the Editor in Chief, and despite the fact that there has been no improvement in the verse, is without exception the best which has yet been produced, and the Board may be fairly said to have scored a point on its predecessors in making its literary and artistic work of more nearly equal worth.

The book is larger by some ten pages than ever before, but there seems to be nothing in it which could well have been sacrificed, and through economical arrangement and good binding it is by no means inconveniently cumbersome. Typographically it is the best so far published.

For the volume as a whole we have only the greatest praise. From cover to cover it is novel and bright. The Board has held to all that was best in the older editions, has extended and improved most of the departments, and has left no stone unturned in its efforts to amuse. As a result it has presented us with a work of which the Junior Class will be justly proud, and one which will win for it well-merited applause.

S. L. H.

#### Colonel Wright's Eulogy of General Walker Before the American Statistical Association.

At the regular quarterly meeting of the American Statistical Association held last Friday evening in Huntington Hall, all business was postponed, and the time was devoted to a review of the life and work of General Walker, by Col. Carroll D. Wright, who was his friend and co-worker. From the beginning of the speech, when Colonel Wright said of General Walker, "Whatever he was called to do, either as a student, or as a soldier, or as a publicist, or, greater than all, as an educator, he did with his whole strength and with the devotion of his great, ardent

soul," to its close, the entire address was a series of high tributes.

After briefly outlining General Walker's life, up to the beginning of the war, Colonel Wright gave in glowing terms the main points of his military career; passing thence to his civil life, he said, "The public offices he has held more fully emphasize the versatility of Walker's talents than any other element in his experience."

Then followed a list of the many positions in which General Walker has served: "In addition to these public trusts,—and General Walker considered each and every one of them a trust to be administered with integrity and with courage,—very many honors have been bestowed upon him. He received degrees from more institutions of learning than any living American. He was granted in course the degree of Bachelor of Arts at Amherst in 1860, Master of Arts in 1863, and Doctor of Philosophy in 1875. Yale made him Master of Arts in 1873; while the degree of Doctor of Philosophy was bestowed upon him by the university of Halle in 1894. The honorary degree of Doctor of Laws was bestowed upon him by Yale and Amherst in 1882, by Harvard University in 1883, by Columbia in 1887, by St. Andrew's in 1888, by Dublin in 1892, and by Edinboro in 1896."

Dealing more in detail with General Walker as a statistician and political economist, Colonel Wright gave an account of his work in these lines, and told of the improvements he had introduced in the methods of census taking. In closing he said: "It may be that we shall conclude that the most monumental work undertaken by President Walker was the administration of the affairs of the Massachusetts Institute of Technology. I have spoken of his equipment for that position. His breadth of mind enabled him to understand the needs of the Institute, and his great administrative abilities made him familiar at all times with the features of the various curricula. His innovations were

of the very greatest help to the young man seeking to equip himself for his life contests.

"It must be admitted that as an educator in the very highest sense President Walker had no superior.

"He has built a many sided monument, whose facades reveal the story of his greatness. He has endeared himself by his personal attributes to a wide circle of friends, who will join in writing his epitaph. Let the public for which he toiled, and in whose service he died erect the tomb, but let his friends, out of loving hearts, write his epitaph."

#### A First Glimpse of the Yosemite.

BY GORHAM DANA, '92.

(Concluded.)

WE were without food or shelter, and with only the snow for a pillow. There was little or no dead wood about with which we could make a fire, and we realized that should we once fall asleep on the snow we should surely never awaken. The prospect of tramping the forest all night to keep from freezing was not a pleasant one.

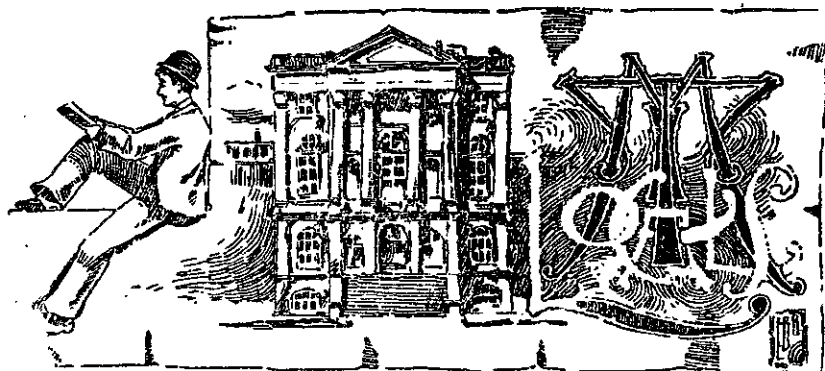
At about 4.30 we reached a slight depression with a hill on our right. This we climbed in hopes of seeing the Valley on the other side, but only to find another higher hill beyond. This also we climbed, through blinding snow, the final flurry of the storm. Upon reaching the summit a sight never to be forgotten met our eyes. Below us lay a deep valley, with steep and in some places vertical walls of granite. Its depth was over two thousand feet, while the distance across was perhaps three quarters of a mile. It was, as we afterwards learned, the south fork of the Yosemite Valley. The storm had ceased, and the clouds were rapidly breaking up. The setting sun burst out with all its glory upon the snow-clad peaks of the high Sierras beyond the valley. On the other side of the valley the main fork of the Merced

River plunged in two mighty leaps, the Vernal and Nevada Falls, into the chasm below. These falls, eight hundred and four hundred feet high respectively, appeared like mere silver threads across this fearful abyss. To the left the Half Dome, a wonderful mountain of bare granite, with one side steep and rounded, the other a sheer precipice two thousand feet high, was outlined against the snowy peaks beyond. Just to the left of the Half Dome was Cloud's Rest, a snow-clad peak ten thousand feet high. Further to the left, the Tenaya fork of the Merced River had gullied out an immense ravine, and the river, after plunging down its precipitous walls, settled itself at the bottom into a beautiful sheet of quiet water, wonderful for its perfect reflections, and justly called Mirror Lake.

On the other side of the Tenaya Fork the granite walls rise almost vertically from the valley to a height of three thousand feet, with little or no talus at their base. The curious dome structure is here again illustrated in the North Dome, a nicely rounded granite peak rising about four thousand feet above the valley, and one thousand feet above the surrounding plateau. Below the dome, on the sides of the valley, the concentric structure of these formations is clearly shown in the Royal Arches. They consist of a number of gigantic circular wrinklins where the granite has broken in conformity to its concentric structure, and stands out as if hewn by man.

After gazing on this wonderful sight a few minutes we hurried on, but with lighter hearts, feeling sure that by following along the edge of the valley we should strike the hotel at Glacier Point. In this we were correct, for in about an hour, at just six o'clock, we came in sight of the house. We had been walking almost unceasingly for nine hours, the greater part of the time through snow, and our pedometer registered twenty-two miles.

When we left the valley, on our return, we did not take the Glacier Point Road.



After the last lecture in Military Science, it was decided to put drill tickets in the hands of all the officers and non-commissioned officers.

Any person desiring a bicycle can find something to his advantage by consulting Herbert Ivory Lord, the business manager of '98 "Technique," Box 35 Cage.

The Irvington Oval is now fairly crowded by the Tech. and B. A. A. men in training. The number of Tech. athletes now training is larger than ever before, and many new men have appeared.

There will be a meeting of the Directors of the Coöperative Society, Friday, April 23, at four o'clock, in Room 27, R. B. The Directors will be expected to report the names of new tradesmen at this time.

Those selected to represent Tech. in the Individual Drill on May 21st are drilling in the Armory on Saturdays at 1 P. M. The upper-classmen are invited to attend, and assist in coaching the squad.

The executive officers of the M. I. T. orchestra have decided to hold no more rehearsals this year, but to begin early next fall. There will be a trial for candidates shortly after the opening of school next year.

Last Thursday Mr. E. A. Le Sueur, '90, gave an interesting lecture to the Senior electrical engineers on Industrial Applications of Electrolysis. Mr. Le Sueur is general manager of The Electro-Chemical Co., Rumford Falls, Me.

At the meeting of the Society of Arts last Thursday, Mr. George B. Francis spoke on

"The Engineering Problems of the New Southern Station." At the annual meeting, May 13, 1897, a paper will be presented by Captain John Bigelow, Jr.

All students of the Institute for the coming few weeks can obtain the same rates for photographs at Chickering's, West Street, as are given the Seniors, as follows: cabinet size, first dozen, \$3.00; second dozen, \$2.00; 50 pictures (two positions), \$7.00; crown size, first dozen, \$3.50; second dozen, \$2.50; 50 pictures (two positions), \$8.00. All carbon finish.

Thursday, April 15th, Mr. Chas. D. Jenkins, State Inspector of Gas, lectured to the Industrial Chemistry division on the "Manufacture of Illuminating Gas." The lecture covered the making especially of coal, water, and petroleum gases, and a syllabus was distributed to the class. To aid in the demonstration, the lecturer used a fine four-foot model of a gas plant by the United Gas Improvement Company of Philadelphia.

The designs which the Institute has entered in the architectural competition of the Beaux Arts Society at New York, were finished the 15th and sent off on the midnight train. Those who have seen the finished designs have no doubt that we shall win the gold medal and the best mention. The work this year is considered by many the best ever turned out by the Institute for these annual competitions.

On the evening of Saturday last the members of the Technology Andover Club enjoyed an informal reunion as guests of Stanley A. Hooker, '98, Vice President of the Club. Mr. Hooker gave the Club an exceedingly pleasant evening, during the latter part of which refreshments were served of that Bohemian order now so popular at Tech. There are now about twenty-five Andover men in the Institute, and at present it seems that this is Technology's most active preparatory school society.

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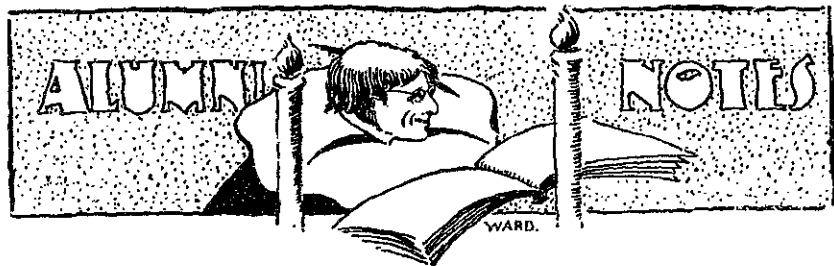
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'74. The item in this column, of last week's issue, referring to Mr. P. H. Wilder, '93, was in error. Mr. S. H. Wilder, '74, is the one to whom the information referred.

'85. Edward H. Dewson, Jr., Course II., has severed his connection with the Pratt & Letchworth Co., and has accepted a position as Chief Engineer in the Standard Air Brake Co., of New York.

'86. On March 24th the annual meeting of the Class of '86 was held at the Technology Club, fifteen members being present. The Class officers were re-elected for the ensuing year, or until the next meeting of the Class.

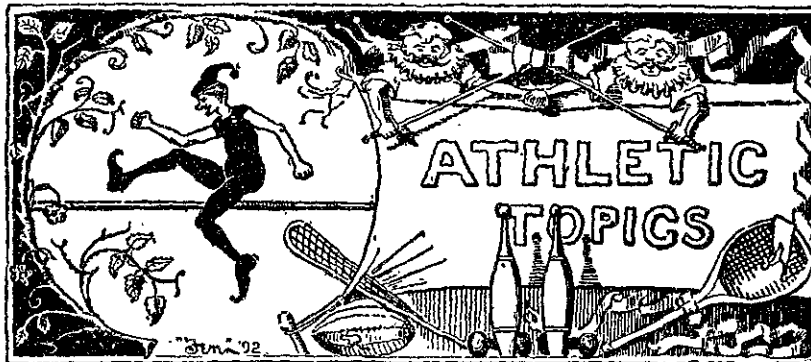
'92. The engagement of Mr. W. S. Hutchinson to Miss Lizzie Baker of Dorchester, Mass., is announced.

'93. John W. Logan, II., of the Pennsylvania Iron Works Co., Philadelphia, was taken dangerously sick with pneumonia last month while in Chicago on business. He is now at his home in Bala, Pa., and is still quite ill.

'95. Chas. H. Eveleth, Course VI., who has until recently been with the American Telephone and Telegraph Co. of Chicago, is now in Boston, in the employment of the Electrical World, of New York.

'96. Stephen D. Crane, Course VI., has accepted a position with the Engineering Department of the New York and New Jersey Telephone Co.

It is encouraging to note that the subscriptions from the alumni for copies of the "'98 Technique," are far in advance of previous years. About two hundred have been received this year, which is more than double that of last year or the year before.



The nine of the Sigma Chi Fraternity defeated the Sophomore ball team last Friday by a score of 13 to 9. Holabird pitched for Sigma Chi, and Slocum for '99.

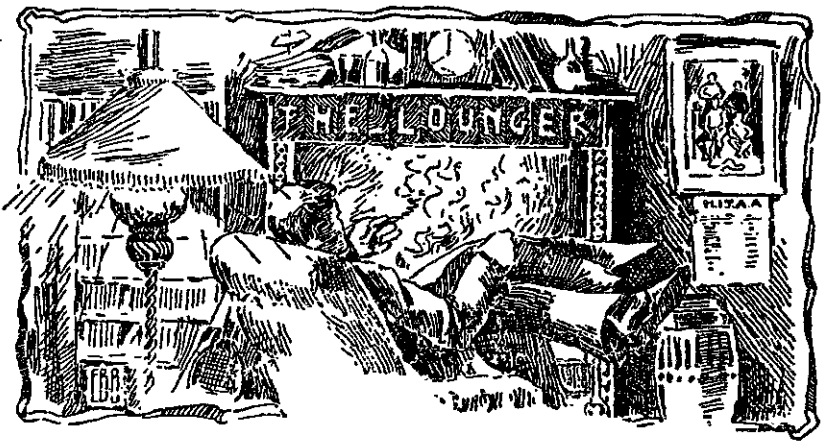
In a game with West Somerville High, the '99 Baseball Team was defeated by a score of 15 to 5. '99 batted well, but was weak in base running and made many errors. Keyes and Holabird pitched.

At the Harvard Varsity Games last Friday, Hollister ran a wonderful half mile in 1 min. 54 $\frac{2}{3}$  sec., within one second of the World's record. Grant did the mile in 4 min. 27 sec., which broke the Harvard record.

The trials for the Philadelphia Relay Races took place at Holmes Field last Friday. The men selected were Stebbins, Grosvenor, Lathrop and Priest, with West and Hooker as substitutes. The substitutes will not be sent to Philadelphia this year.

Last Friday 1900 defeated Adams Academy by a score of twelve to three. The playing at this game was, in every position, a great improvement over the previous games. The weakest points in the team are still the batting and pitching. The best outfielding was done by Crowell; Osgood, Stewart, McMasters and McDonald did the best batting.

A Hare and Hound run will take place on April 24th, to Arlington Heights, a distance of 7 miles. The run will be handicap, and splendid prizes are offered for all three places, as well as a magnificent time prize. The entrance fee is 50 cents for men not members of the Club, and 25 cents for members. Entries close Tuesday, with V. R. Lansingh.



THE Editors of the '98 "Technique" were happy about the middle of last week. Their work was almost done, their darling volume on the verge of completion, and it was natural that a thrill of exultation should be theirs. Unfortunately, however, they were not content to be happy among themselves but wished to call upon all the world to rejoice with them. So they decided to make a poster; and the felicitous thought occurred to them of using the yellow Young Person as an advertising medium. The novelty of this idea cannot but strike every observer. So the merry Editors rose with the sun on Wednesday morning and sallied forth in jocund wise, bearing large pots of glue. It was quite evident to them that the advent of "Technique" was the most important thing in the world; everyone would be more interested in its forerunners than in any private affairs such as the meetings of societies and so on. So, with generous gobs of glue was the yellow abomination fastened everywhere: on blackboards, on glass bulletin-boards, on the clock in Rogers, on the pillars, at Maclachlan's, in the Architectural and the Engineering Buildings, upon every tree along Boylston and Clarendon streets, until the whole universe seemed to reel under the terrors of another yellow day. It was only fortunate that one of the Administrative officers of the Institute had not arrived at this early hour or posters might have been fastened on his back during his progress through the corridor.

At last the deadly work was completed. The Editors looked upon the result of their labors with honest pride for a few minutes,—and then went home to breakfast, with the calm confidence that the glad news that "Technique" was at hand would be disseminated broadcast throughout the land. But, alas for their proud hopes! The reign of kiddishness was to be of short duration. Scarcely had they departed when the stern minion of the law arrived. The trees in Boylston street were city property; and the offensive pla-

cards must be removed. About the same time the student body began to appear and in a short half hour the voracious Freshmen had carefully and conscientiously cleaned out every poster that had been affixed with tacks; while those which had been glued, were torn off with maledictions by the officials of the organizations to whose property they were attached. About ten o'clock, as the saddened Editors pensively watched Janitor John cleaning the trees off with a sponge, there was no vestige left of the morning's outbreak except one solitary poster locked in the "Technique" bulletin board and a large number of glue stains and tack holes in various parts of the building.

The Lounger has had the privilege of a glance at the advance copy of "Technique" sent to his coadjutors for review, and considers it a decidedly creditable production, considering the amount of boasting which has preceded it. The grinds have an old-time vigor which is refreshing, though hardly quite in keeping with the highly moral aphorisms in the Greeting. THE TECH appears to come in for an unusual share of hard knocks, which is amusing considering the number of men upon both boards. The Lounger likes to picture his friend the Editor in Chief, and all the sub-Editors in one disguise, belaboring themselves soundly under another to the applause of the outside world. There is certainly little danger of the humor being ill-natured which is aimed at THE TECH by "Technique," while the same men are victims and satirists.

The Lounger hears frightful rumors of a game of hand ball, or battle ball, or basket ball, or one of these fancy athletic sports, between a team from Technology and a bevy of Amazons from the Posse Gymnasium. May the authorities be held back from any such suicidal plan! Will not the spoils of the second-best Harvard team suffice? Will not the laurels that bloom by Lake Quinsigamond reach at least once around the enlarged athletic head? Let us not tempt the fates by an advance into fields of new and untried danger. Our heroes of the cinder path are susceptible. Who can tell the deadly effect of a glance, of a wave of the hand, a toss of the curls from a fair antagonist at a crisis in the game? It would rattle the pitcher and break the interference up completely. Besides such a contest might provoke a renewal of the Woman's Rights discussion, recently conducted by correspondents of THE TECH. And that is an evil which must be averted at all hazards.

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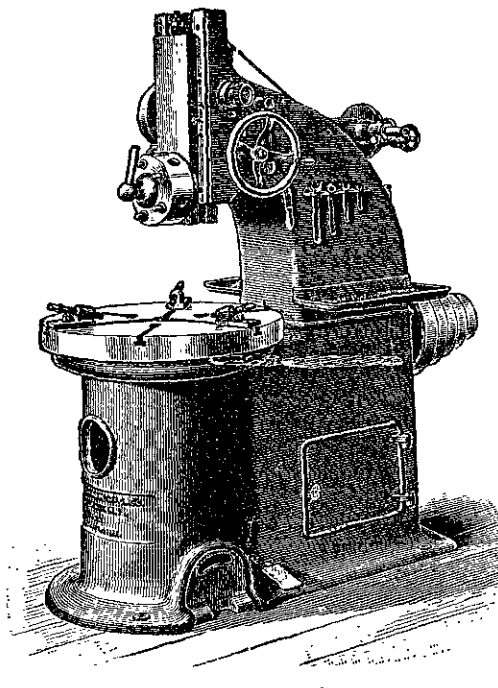
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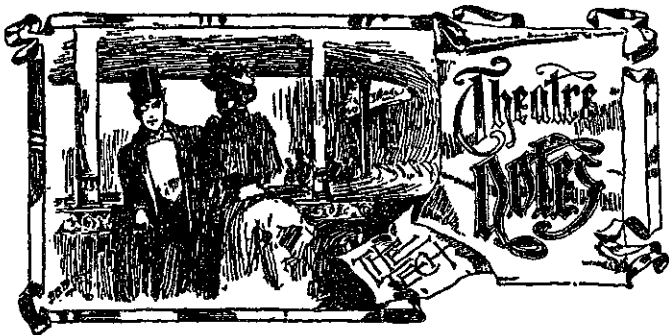
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**Boston Theatre.**—April 26th, James J. Corbett in "A Naval Cadet." One week only.

**Park Theatre.**—"A Stranger in New York" still continues to attract large audiences at the Park Theatre. The play is replete with new songs and dances.

**Boston Museum.**—The great popularity of "Secret Service" is well deserved, as it is without doubt the finest war play ever written, and no one can afford to miss seeing it. This week closes the engagement in Boston; from here the company go to London.

**Hollis Street Theatre.**—Miss Olga Nethersole will begin a limited engagement at the Hollis April 26th. She will present the famous plays "Camille" and "Carmen," which have established the reputation of this great actress, and which will, as usual, test the capacity of this theatre.

**Tremont Theatre.**—Sol Smith Russell in his new play, "A Bachelor's Romance," is too charming an entertainment to be missed. There is no doubt about the genuineness of the success of this play; it is only to be regretted that the public are not treated to more of the same sort.

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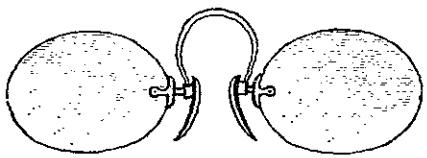
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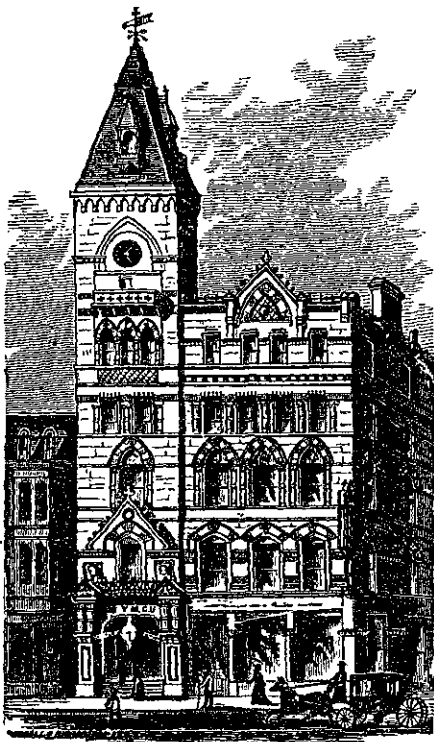
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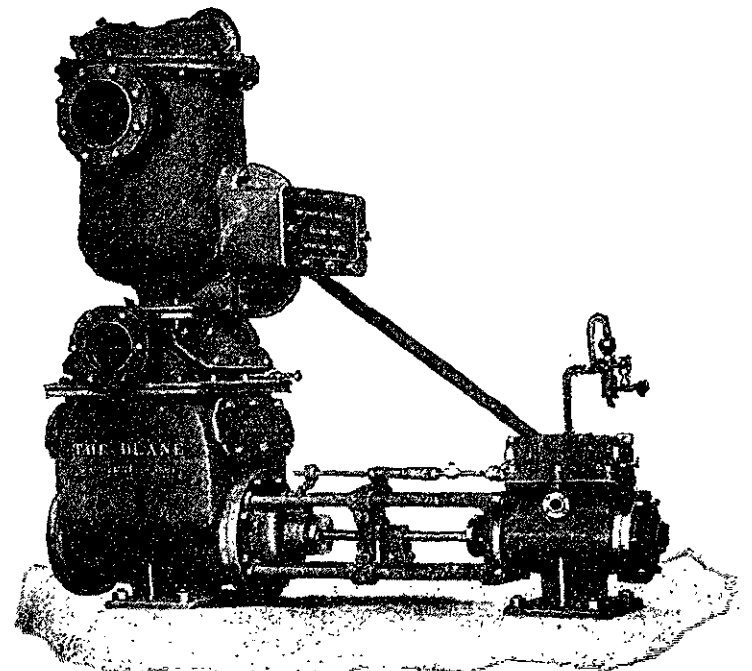
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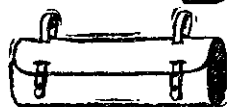
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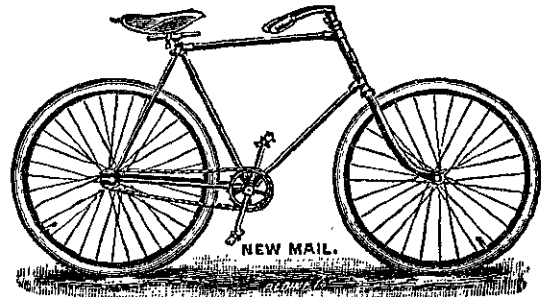
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