



THE TECH

Oak Grove Creamery Company,

- - DAIRY LUNCH ROOM - -

445 BOYLSTON STREET, COR. BERKELEY, * * * Opp. Y. M. C. A. Building.

Where can be had

Sandwiches of all Kinds, Soups, Tea, Coffee, and Regular Dairy Lunch.

EVERYTHING FIRST-CLASS.

\$6.00 Check for \$5.00.

Pure Milk and Cream.

All Kinds of Meats.

NELSON L. MARTIN.



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The best cord for hanging window weights, can always be distinguished by our trade-mark the COLORED SPOT. It is warranted to be of pure Cotton, smooth finish, and perfect braid.

Samson Cordage Works, Boston, Mass.

MARKS COMPANY, Merchant Tailors,

6 BEACON STREET,

(Opp. head of Somerset St.)



WE CLAIM TO BE ABLE TO
PLEASE EVERYBODY.

YOU WILL FIND, ON EX-
AMINATION, THAT WE
CARRY A FULL LINE
OF THE

LATEST AND MOST EXCLUSIVE DESIGNS

AND THAT WE ARE THEREFORE ABLE TO
SUIT THE MOST FASHIONABLE AND FASTI-
DIOUS TASTES.

Overcoats a Specialty.

OUR PRICES \$25.00 AND UP.

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(INCORPORATED)

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Exhibit specially selected fashionable materials
suited to the requirements of those who
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FALL AND WINTER,

1900.

DISCOUNT TO TECH STUDENTS.

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THE NEW HOTEL IN
COPLEY SQUARE.



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HARRY L. BROWN,
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EUROPEAN PLAN

THE SOMERSET

COMMONWEALTH AVENUE,
BOSTON.

Victoria, Dartmouth and Newbury Streets.

CHARLES A. GLEASON, Proprietor.

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The Only Hotel Facing
Copley Square.

Three minutes walk from the
New Back Bay Stations of the
Boston & Albany and N. Y.,
N. H. & H.



European Plan.

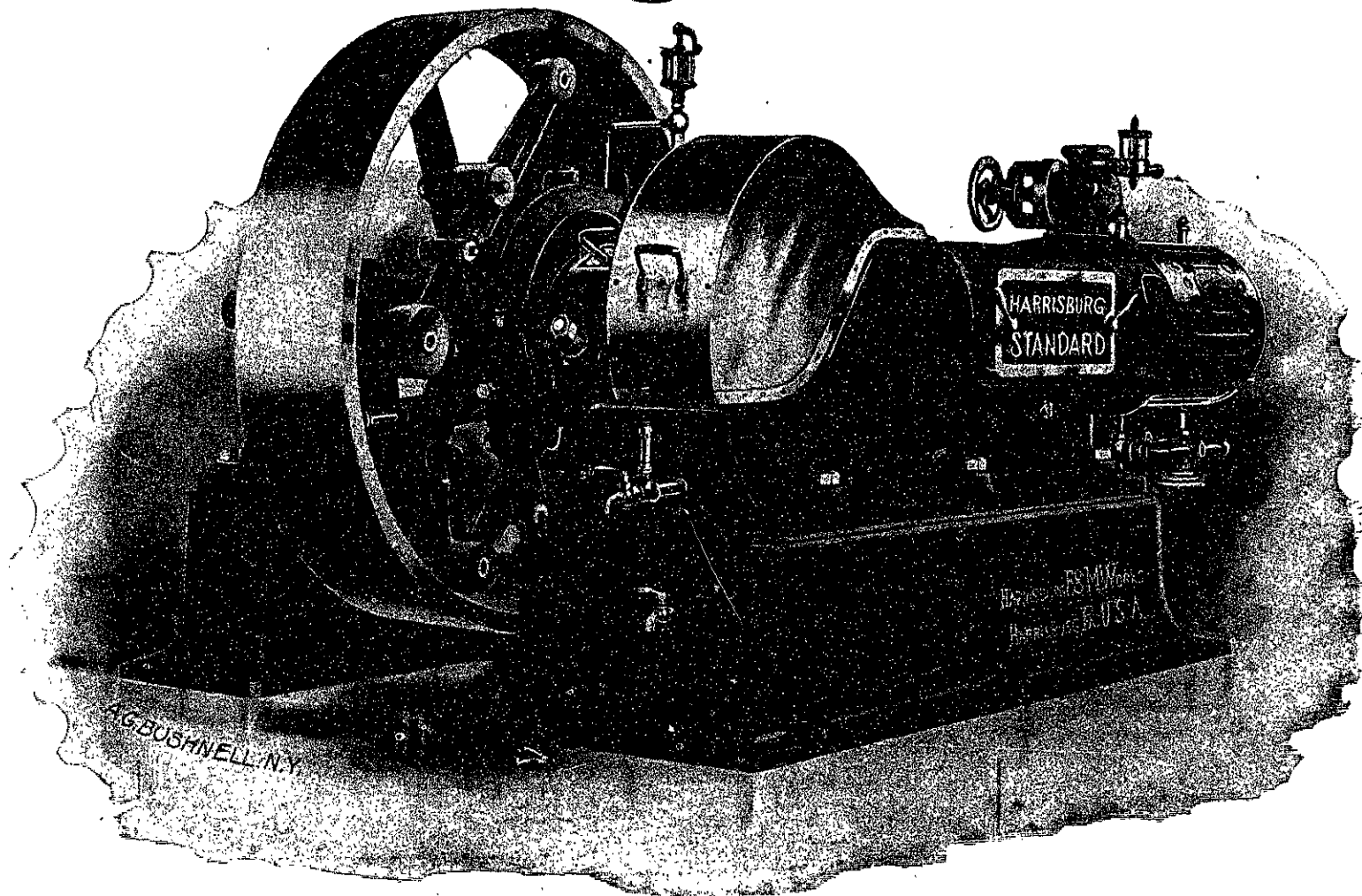


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BELTED STYLE

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HARRISBURG FOUNDRY AND MACHINE WORKS, HARRISBURG, PA.
60 STATE STREET, BOSTON.

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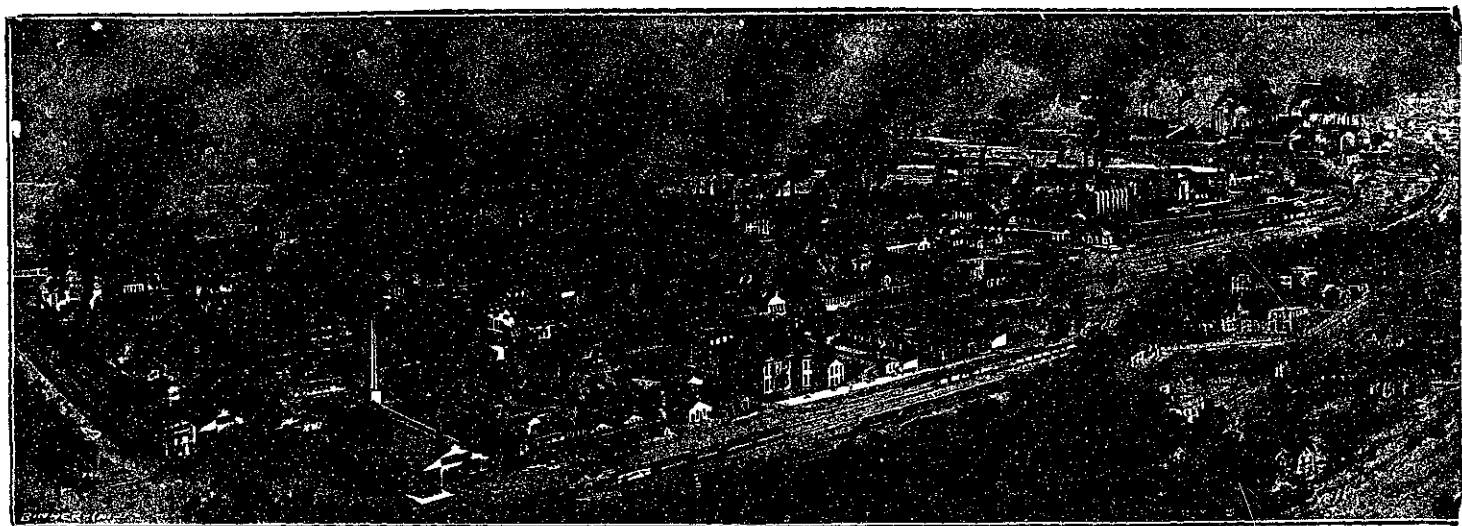
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BOILER TUBES. CASING.
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Water and Gas Mains fitted with Converse or Matheson Joints.
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Surplus and Undivided Profits, \$1,850,000.

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Deposits, subject to check, may be made at any time, and interest will be allowed on daily balances of Five Hundred Dollars and upwards.

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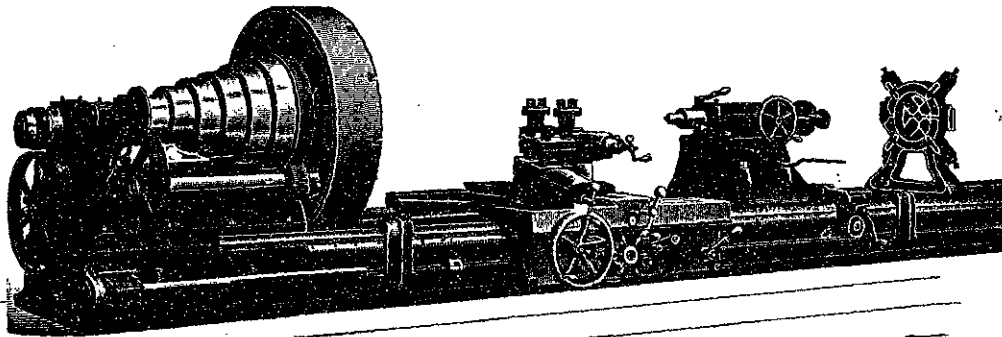
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H. W. POOR & CO.

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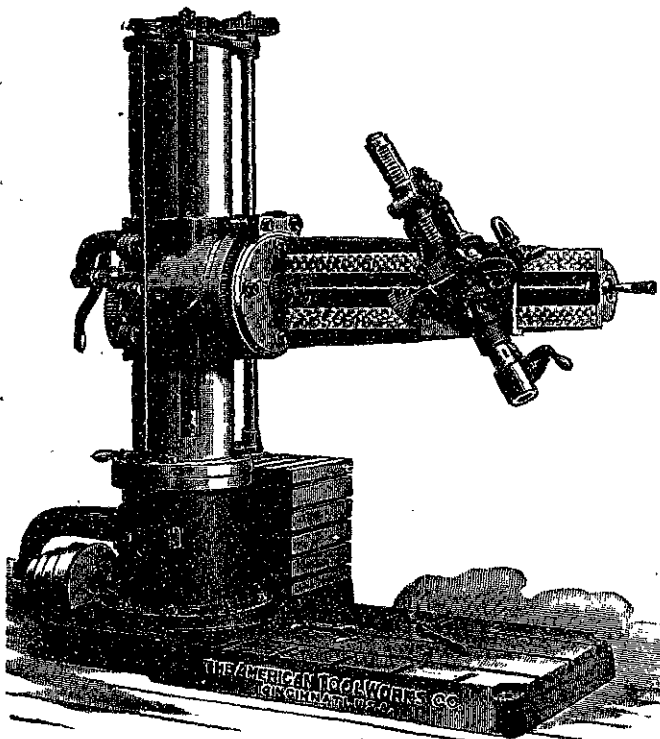


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6 ft. Full Universal Radial Drill.

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D. R. WHITNEY, Actuary. N. H. HENCHMAN, Secretary.
H. N. MARR, Assistant Secretary.

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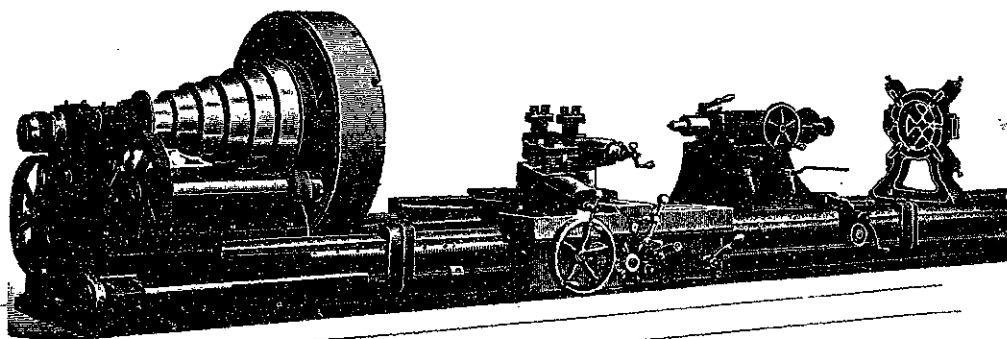
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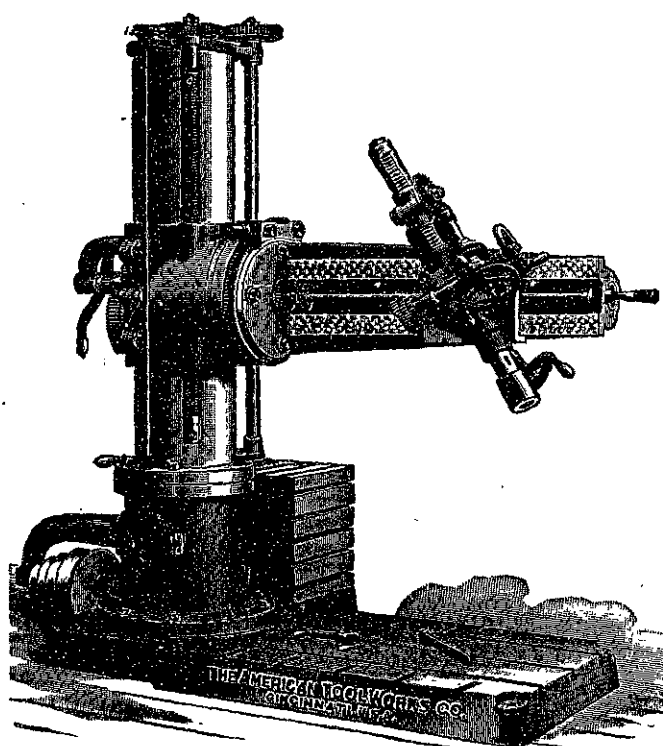


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Drills, Screw Ma-
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Lathes, Etc.

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6 ft. Full Universal Radial Drill.

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MEN'S WEAR

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Our men's section is separate from the rest of the store, occupying the entire Summer St. side of our street floor.

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Summer Street Entrance, WHICH WE HAVE NAMED The Men's Entrance.

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Men's Furnishing Goods.

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Sole Agents in Boston for the celebrated Dunlop & Co. New York Hats.

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W. H. HOLLOWAY, Proprietor.

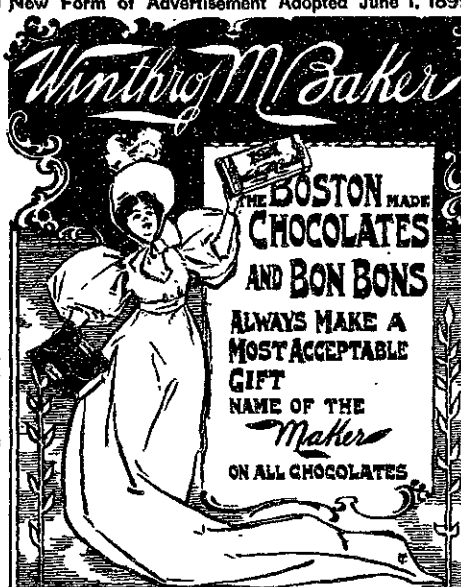
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SHIRTS, TROY and
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CUFFS. ... N. Y.

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THE BOSTON MADE CHOCOLATES AND BON BONS
 ALWAYS MAKE A MOST ACCEPTABLE GIFT
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THE STORE THAT KEEPS BEAUTIFUL
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**STEAM PIPES
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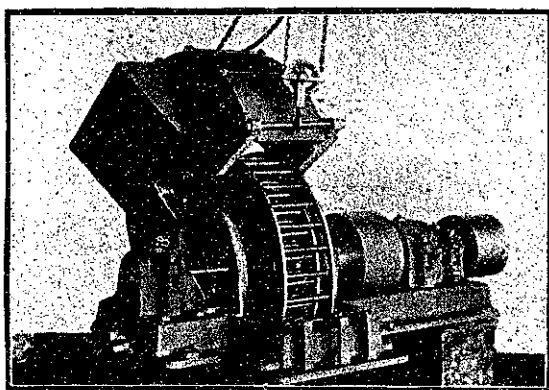
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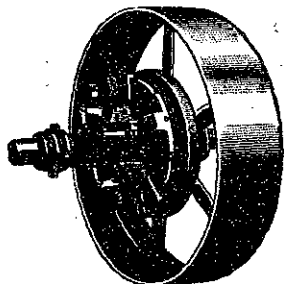
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Are in use all over this country, on all kinds of machinery, and they

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PERFECT
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Finest Line in New England

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Rock Asphalt

Floors for Stables, Laundries, Hospitals, Dye-Houses, etc., etc. Perfect Sanitary Floors—Water and Acid Proof.

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LONDON NOVELTIES
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Are now prepared to show
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are just about as good as custom and
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In both lines of goods we claim
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Everything in Furnishings and Hats
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SUPERIOR

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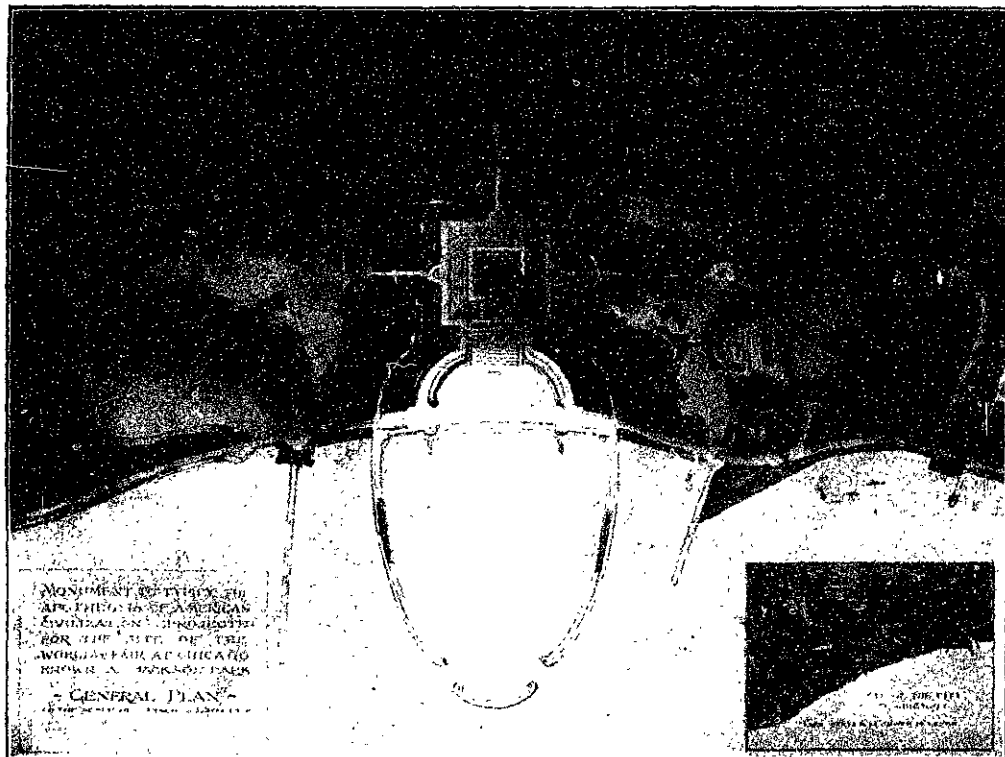
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THE TECH

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NO. 1.

THE TECH

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

I. RAYNE ADAMS, 1902, *Editor in Chief.*
C. ADRIAN SAWYER, JR., 1902, *Assistant Editor in Chief.*
WALTER H. FARMER, 1902, *Secretary.*
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Editor in Chief, Monday, 10-11 A. M.
Business Manager, Saturday, 12-1 P. M

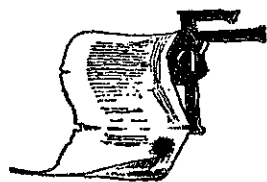
For the benefit of students THE TECH will be pleased to answer all questions and obtain all possible information pertaining to any department of the College.

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

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FROM the wilderness of attendance cards, tabular views and petitions, we are once more emerging into the regular routine of Technology life. Many familiar faces are seen no more about the Institute. Some have entered upon their life's work after their years of preparation. Some familiar figures have become discouraged and fallen by the way-side. Most of us, however, are back again, glad to be here, and glad to take up again our chosen work.

To the entering class and to all the new men we extend our best wishes for success and the right hand of fellowship.

To our new President, the board of editors, and, we may say, the student body entire offers the assurance of a most hearty co-operation in the pursuance of a common purpose, and the heartiest of welcomes.



THE death of Mr. Augustus Lowell of whose life and work we give a short sketch on another page, took from the active field of educational matters, one who had aided the progress of education in many enduring ways. Not by any means was the Institute alone a gainer by his generosity but his gifts and his interest went out to many institutions. His life was that of a successful man and his death takes from the educational and industrial world a familiar and respected figure.



ALTHOUGH early in Technology's football season, we are pleased to notice the zest and spirit the candidates are putting into the game and the rapidity with which they are rounding into shape. Through extreme good fortune, Mr. F. J. Crolus of Dartmouth, '99, has been obtained to coach the team for the coming season. Mr. Crolus, it will be remembered, captained the '97 and '98 Dartmouth team, made famous by its showing against the colleges constituting the "big four." Last year he coached the Bowdoin team, which did so well against the larger colleges. The men are being put through a systematic training in falling on

the ball, tackling and catching punts, so that when Tech. plays Exeter on October 6th every man should be in good condition, barring accidents. It is sincerely hoped that every undergraduate who has ever played football and can spare the time will don a suit and try for the team. If such be the case, there is no reason why a strong team should not be expected for the coming games.



THE latest addition to the courses offered by the Institute is the course in Electro-Chemistry. This course has been devised to meet the requirements of the rapidly growing electro-chemical industries, which demand a thorough knowledge of electricity; electrical testing; electrical engineering in so far as applied to machinery employed in electro-chemical pursuits; the chemical processes involved, as well as the theory of electro-chemistry and its application to the industries.

That the Institute is well prepared to give the proper instruction is shown by the new and complete facilities of the laboratories in all departments of the course. The new option will go into effect for second-year students at the beginning of the school year, 1900-1901, and for the third and fourth years, in 1901 and 1902, respectively.



WE would call the attention of our readers to the announcement of THE TECH for the year, appearing on another page of this issue.

The Board extends its heartiest thanks to the members of the faculty for their kind assistance in making possible the series of articles to appear in these columns during 1900-1901.

President Pritchett's Address.

Huntington Hall was almost crowded on last Wednesday at one o'clock when President-Elect, Henry Smith Pritchett, addressed the new students. The Freshmen, however, were almost outnumbered by the old fellows, who had come to hear the first formal words of our new Executive. President Pritchett was most enthusiastically received. He spoke as follows:

"It is to me a great pleasure to meet you at the beginning of this school year. With the most of you, I am myself a first-year man and I trust I may have your patient consideration in learning the ways and duties of the school.

"I am not here this morning to give formal advice. In fact, my experience is that formal advice is not apt to go very far. I remember in a German university that there was one man whose advice seemed to be treasured up by the students and he was one who said that it was impossible to work in summer because the distractions are too great.

"There are certain relations which we are to hold concerning which I should be glad to speak to you a moment.

"First of all, I take it that each of us here has come with a definite purpose and that each has a sufficiently definite path marked out so that his steps may lead somewhere.

"One of the considerations which drew me to the Institute was the belief that the training of engineers is one of the greatest callings in which one can engage. The trained man is coming more and more to govern the work of the world and this is, to my thinking, a most opportune time to engage in the study of engineering, for the opportunities of the engineers are to be, in the next quarter century, far greater than ever before.

"Another thing which influenced me in deciding to come to the Institute of Technology was the belief that in the student body

itself the spirit of work controlled. I am glad to believe that I am to deal with you as men and that you are to undertake your work in man fashion.

"On your part, I am sure that you have come here with definite purpose. That purpose is, as I take it, to obtain the training which later will make you an engineer.

"Let me remind you of one thing. To be a successful engineer it is necessary first to be a *man*. And the quality of manliness which the engineer possesses is coming to play a larger share in the engineer's success, for the reason that the engineer is becoming in an ever-increasing number of cases an executive, and as an executive he must control men and in order to control men and to get out of them the results he wishes the engineer must be able to affect them as men. To do this he must have a share of that sort of unselfishness which enables a man to appreciate the standpoint of another and to take into account the other man's views and even his prejudices. Any one could be an executive if his subordinates were perfect men. Good administration consists in taking men with all their imperfections and all their prejudices and by their aid bringing about the desired result.

"There is a saying of Confucius which runs: 'When the Ancients desired to govern well the Empire, they first governed well their own States; in order that they might govern their own States they taught first to regulate their own families; in order to regulate their families they endeavored to make agreeable their own persons, and in order to make agreeable their persons they first rectified their own hearts.' And so it is that in order to govern an empire one needs first of all to rule his own heart. In your effort to become engineers be first of all men.

"Let me say in conclusion one word of a personal sort to each of you. We have here

common aims. It will be a pleasure to me if we may work for these ends as friends. Come to me whenever you will for a consultation or a talk or a friendly visit. My door stands open usually—I believe in the open door. I am sure that in a closer acquaintance we shall each grow into a better appreciation of the other and take thereby a step toward a stronger and broader manhood."

Technique 1902 Artistic Competition.

The following rules governing the competition for the vacancy left on the *Technique* 1902 Board, through the absence of Mr. R. Van B. Blaisdell, are to be adhered to strictly by those entering the competition. All drawings must be in on or before the 17th of October. They may be handed in to Messrs. Wood '02, and Smith '02 of the *Technique* Board.

I. All competitors shall submit to the judges hereinafter named three original drawings suitable for use in *Technique* 1902.

II. The three original drawings shall be: 1st, a wash drawing; 2nd, a pen and ink drawing; 3rd, a drawing in any medium selected by the competitor.

III. All drawings submitted must bear a distinguishing mark to serve as signature, the same mark with the competitor's name to be enclosed in a sealed envelope and handed in with the drawing.

The judges of the competition shall be Mr. E. B. Bird and the *Technique* 1902 Board.

TECHNIQUE 1902.

1902 Class Nominations.

Nominations for President, 1st and 2nd Vice-President, Secretary, Treasurer, two Directors and two members of the Institute Committee for the year 1900-1901 may be addressed to: "The Secretary, 1902, Cage."

All nominations must be (1) signed by ten members (and ten only) of the class, and must be (2) at the "Cage" on or before one o'clock on Saturday, October 6th, 1900. The fulfilment to the letter of these conditions may be considered a condition precedent to their acceptance.

CHAS. W. KELLOGG, JR.,

Secretary, 1902.

THE BEACON OF PROGRESS.

A Monument to the Glory of the American People.

Reprinted from the August number of *The Architectural Review* through the courtesy of the publishers, Messrs. Bates & Guild, 13 Exchange Street, Boston.

The title of this article is that of a design which was awarded the first medal in architecture at the Paris Salon this year. Titles are catchwords, and it is our purpose to invite our reader's critical attention to the illustrations presented herewith, that these may be deliberately studied and their significance deeply felt.

It is no casual matter to imagine, much less to design, a monument dedicated to the American people. The author of this design, Professor Désiré Despradelle, was born in France some thirty-eight years ago, and educated at the *Ecole des Beaux-Arts*. He competed several times for the *Prix de Rome*, and once surpassed all other competitors (in the year 1889 when the prize was not awarded to anyone), held several minor positions in offices doing government work, was appointed Professor of Architecture at the Institute of Technology, and came to this country to take up his duties in 1893.

He visited the World's Fair at Chicago, and there received his first impression of American energy and American idealism.

Standing near the Peristyle of the Court of Honor, he pointed to the dome of Hunt's Administration Building and exclaimed, "That is fine, it is grand, but I wish it were as large again." It seemed to him a scarcely adequate centre for the noble collection of

buildings surrounding the Court of Honor. He felt too, a regret that the Columbian Exposition should vanish into memory without leaving a permanent monumental expression of its national and international significance. The need of such an expression became, as it were, a personal feeling. He was possessed by the idea of a monument embodying the characteristics of American civilization, to be a memorial to the genius of the American people and a reminder of the glories of the Columbian Exposition in Jackson Park. The thought that the genius of America could be



THE BEACON OF PROGRESS.—DETAIL OF BASE.

expressed in such a monument and that he could find the expression inspired Mr. Despradelle to devote much of his time and energy during six years to the elaboration of the design that is here suggested. The genius of America, the dominant note of American life,

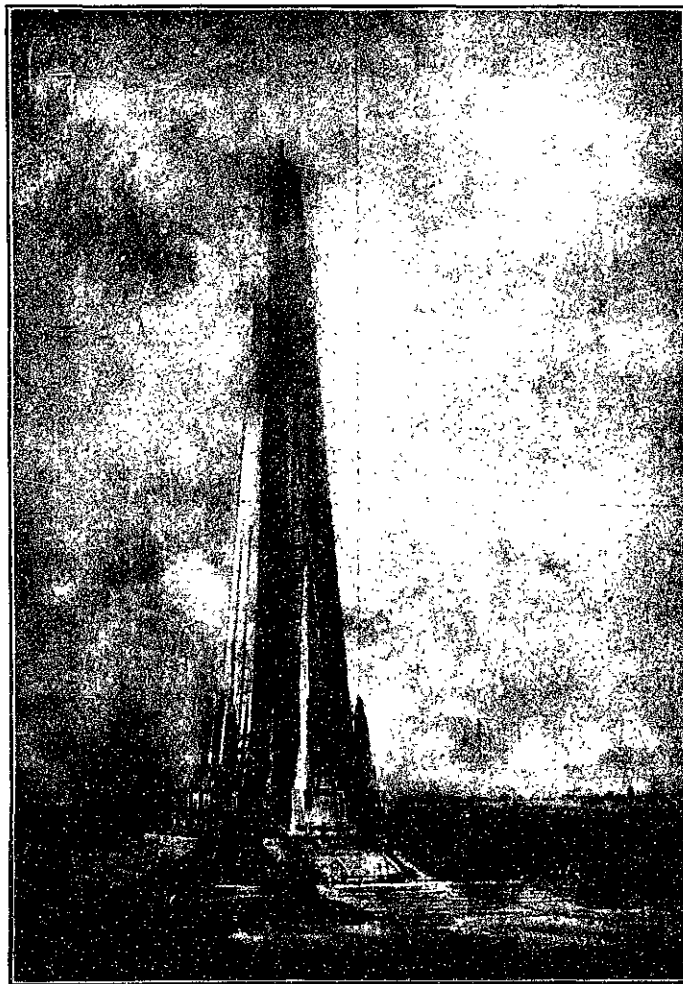
is aspiration. The architectural expression of this aspiration is an obelisk, shaft or spire 1500 feet high, carrying at its apex a brilliant beacon light.

It is not necessary to inquire whether such a light would serve a practical purpose, nor even whether the shaft would be constructed, supposing it to be worth while. It would first be necessary to define our terms. The design itself suggests the possibility of skeleton construction enveloped in stone or concrete. The questions of usefulness, construction and expense need not concern us in the least. It is sufficient to consider the design as such, to study the embodiment of so much study, to analyze the complexity of its simplicity, to realize the means by which the effect of immense size is obtained while retaining the utmost severity of outline.

The general view exhibits the central shaft flanked by a dozen minor obelisks, each one a giant but serving merely as a buttress to the great central mass. The view in detail showing the approaches and the foot of the shaft is a masterpiece of design and presentation — a work of Titans, a fragment of a cliff or precipice, but nevertheless a human structure enriched with sculptured symbolism. Although this is no temple, it may well be called a Pantheon of the makers of the nation and to those of

devout mind it is a church and spire in one, a spire that may rightly typify this upward-looking Christian people. With extraordinary skill the artist has given to the plan of this monument an importance corresponding to its vertical trend. It is like the trunk of a mighty tree whose branches are lost in the clouds, but whose roots spread widely on all sides, uplifting the earth. The beacon of progress is firmly planted. Upon the broad

terraces at its base multitudes may wander overlooking the city and the lake. The face of the monument towards Lake Michigan is dignified by an attendant obelisk of greater height than the others, and against this obelisk is an effigy of the Spirit of Progress, the goddess of the twentieth century, and a slab, or rather a wall space bearing the inscription, "To the glory of the American People." The approach upon this side is guarded by serried ranks of colossal lions like the avenues of sphinxes leading to Egyptian temples, and the adjoining portion of the lake itself is



THE BEACON OF PROGRESS. — PERSPECTIVE VIEW.

enclosed as a basin — a reminiscence of the Court of Honor, a watery Piazza San Marco — where the people of the neighboring city in every imaginable kind of craft may foregather and celebrate their festivals.

Further description and analysis are unnecessary. The drawings when published or

reproduced upon a suitable scale, will convey their own meaning to all who are willing to read it.

Two of these drawings will remain in Europe, the property of the French Government, to be hung in the Luxembourg in Paris, in a small and very choice collection of modern architectural studies. The rest will be brought to this country, and we hope will be publicly exhibited and widely noticed, as, assuredly, there is in this country the capacity to appreciate not only the usual architecture of convenience or of necessity, but also the finer, more ideal architecture that is called memorial, that is the architecture of the spirit.

All honor to Professor Despradelle for this vision, and for his recognition of "the efforts of a people capable of the most daring enterprise, but at the same time showing to the Old World its aspirations while paying the utmost deference to artistic beauty as the setting and ornament of civilization."

Course in Electro-Chemistry.

The rapid advances now being made in the applications of electricity in chemical and metallurgical industries call for a training which has not hitherto been fully provided in the courses in Electrical Engineering, Physics or Chemistry as given at the Institute or elsewhere. The problems arising in these arts require for their solution the combined training of the physicist, the chemist, and, to a less degree, that of the engineer. To meet the wants of students desiring to prepare themselves for entrance into the various electro-chemical industries the Institute has decided to establish a course of study leading particularly to this end, and which is laid out as an option in the course in Physics.

This new option aims to provide the education requisite for the investigation of the many new problems which the development

of novel processes is certain to bring forth, and also to impart the professional skill requisite for the installation, testing, and operation of apparatus and machinery by which electrical energy is applied in chemical, metallurgical, and allied processes. The instruction given, moreover, is of such a broad character, particularly in electricity and chemistry, that a student completing this option should be well prepared to undertake various lines of electrical or chemical work other than electro-chemistry.

The Technology Quarterly.

The June number of *The Technology Quarterly* contains its usual series of technical articles, all of practical importance. Professor W. O. Crosby, has two very complete reports of the geology of Long Island and of the sites of the dams on the Housatonic Rivers. Both his articles deal with the public water supply. A. Lawrence Rotch also writes an exceedingly interesting story of the use of kites in meteorological observations, with several good photographs as illustrations. The regular report of the Society of Arts is given completely.

The Technology Review.

The last issue of *The Technology Review*, that of July, is a number well worth reading. Its principal article, an account of the expedition from Tech. to observe the recent eclipse of the sun, is an exceedingly interesting piece. It is written in an easy, attractive style, and makes one appreciate the pleasure that was gotten out of the trip both from a technical and a social point of view. The numerous illustrations improve the article still further. *The Review* also contains a very complete account of Commencement Week and a list of last year's graduates in addition to its regular features.

Augustus Lowell.

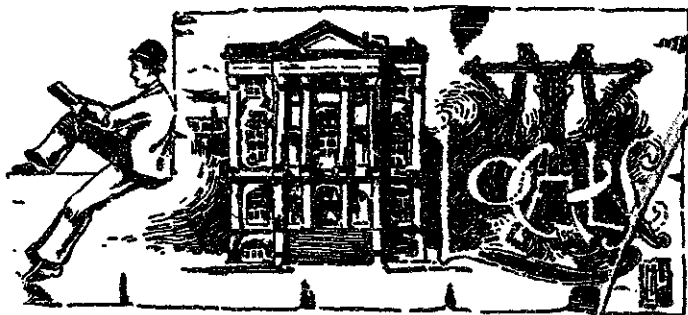
During the past summer the Institute has lost one of its most interested factors in the person of Mr. Augustus Lowell, whose death occurred in July. Mr. Lowell's death was a great shock to his many friends, especially as only a brief illness preceded his death. Mr. Lowell was born in Boston, January 15, 1830, and the son of Mr. John A. Lowell.

After graduating from a preparatory school he entered Harvard University, and graduated in 1850, receiving the degree of Master of Arts three years later. His first connections with the Institute began on his becoming the sole trustee and manager of the Lowell Institute, founded by his grandfather. In 1889, Mr. Lowell gave \$50,000 to the Institute, the income from which is used for the benefit of the instructors, in cases of illness, death, or retirement. He was the trustee of the Lowell Institute lectureship for over fifteen years, in fact since the death of his father.

Under his management the work of the Lowell Institute was greatly extended by the enlargement of the lecture courses already founded and the establishment of new ones. Mr. Lowell was eminently successful in business as well as being a man of culture and learning. Among the business institutions that Mr. Lowell was connected with, he has been the treasurer of the Booth mills, the Merrimac Manufacturing Company; director of the Lowell Manufacturing Company and the Everett Mills, president of the board of directors of the Massachusetts Cotton Mill, trustee and a member of the board of Investment of the Provident Institution for Savings, besides holding the positions of trust. He was also at one time vice-president of the American Academy of Science. Mr. Lowell is keenly missed by the Institute as well as by his personal friends, yet the Lowell Institute will long stand as a fitting testimonial of his success as an educator.

Changes in the Instructing Staff.

Following is a list of the changes in the instructing staff for the coming year so far as known: Associate Professor Pope has been appointed Professor of General Chemistry; Assistant Professor Vogel, Woodbridge, and Ripley, have been advanced to the rank of Associate Professors; Lieutenant Hamilton will be succeeded as Instructor in Military Science, by Captain William Baird, U. S. A., retired. Professor Webster Wells has been granted a leave of absence for a year. Dr. William H. Walker has resigned his instructorship in analytical chemistry to accept a professional engagement. Mr. Harry W. Gardner has returned, after a valuable year of European travel and study, to resume his work as instructor in architecture. Mr. Carl H. Clark, instructor in naval architecture, has been granted a year's leave of absence, and will be succeeded by Mr. Walker S. Leland, '96. Mr. Myron L. Fuller, instructor in geology, has received an important appointment in the United States Geological Survey. Messrs. Louis P. Chapin, Arthur A. Blanchard, and Miles S. Sherrill have gone to Leipsic for advanced studies in chemistry. Messrs. George L. Hosmer, Alpheus G. Woodman, and Joseph C. Riley, assistants of last year, become instructors. Messrs. Walter B. Russell, Frances H. Watts, Eugene W. Rutherford, Alvan L. Davis, Fred L. H. Kimball, and Etheredge Walker, assistants of last year, are leaving the Institute for professional work. Mr. Joseph G. Coffin is to be a graduate student of Clark University. Dr. William D. Coolege has been appointed instructor in theoretical chemistry. New assistants just appointed are R. W. Balcom in analytical chemistry, E. E. Bugbee in mining engineering, W. L. Stevens in mining engineering, L. S. Smith in mechanical engineering, C. M. Fosdick and G. E. Russell in civil engineering.



P. H. Worcester ex-'02 entered West Point on August 1st, 1900.

Those wishing to join the Tennis Association will leave names for E. H. Cutter at "Cage."

During the past vacation Professors Bartlett, Despradelle, Chandler, Crafts, Sumner, Hofman, Vogel, Sedgwick and Wells, were abroad.

Any man wishing to try for the Mandolin Club will send in names as soon as possible to A. W. Higgins, '01, "Cage."

We are sorry to learn that the protracted illness of Mr. R. V. B. Blaisdell, '02, will not allow him to return to the Institute this fall.

Men belonging to fraternities not represented by chapters at Tech. will kindly leave name and fraternity for Society Editor, *Technique* 1902, at "Cage."

An exhibition of the drawing made at the Architectural School conducted by Professor Homer last summer, will be held in the coming week in the exhibition room, Pierce Building.

All men who may wish to try for the Banjo Club are requested to send their names at once to F. R. C. Boyd, '01, Leader, Box 34, "Cage." A mandola is especially wanted; also guitars and second banjos.

Copies for the *Catalog of Premiated Drawings* in the Architectural Course for 1900, may be obtained of F. A. Colby, '01, or S. W. St. Clair, '01. The *Catalog* is gotten out by the Architectural Society, and

is published at twenty-five cents a copy. A further statement will be given in next week's *TECH*.

The Technology Club, 71 Newbury St., will be open on the night of the presidential election. Later in November, arrangements have been made with Mr. Poultney Bigelow to address the club. Mr. George W. Cable is also scheduled for an address. The announcements of The Technology Club will be given in *THE TECH* as soon as they appear.

At the meeting of the 1902 *Technique* Board, Friday, Sept. 28, it was decided to open a competition for art editor, to fill the vacancy on the board caused by Mr. Blaisdell's resignation, Blaisdell being unable to return to the Institute this fall on account of a protracted illness. The conditions of the competition are practically the same as those under which the present art editors were elected. A provision is made for those who handed in drawings at the last competition, in that they may enter those drawings if desired.

Calendar.

Thursday, October 4th. — First regular meeting of Architectural Society in Room 42, Pierce Building, 4 P. M.

Friday, October 5th. — Regular M. I. T. Y. M. C. A. Student Meeting. Quartet and orchestra; Room 11, Rogers Building, 4.10 P. M.

Saturday, October 6th. — Hare and Hounds Club Run from Newton Center; leave Trinity Place Station at 1.50 P. M.

Monday, October 8th. — Second regular meeting of *TECH* Board in *TECH* Office, Rogers Building, 1 P. M.

Tuesday, October 9th. — Meeting of *Technique* 1902 Board of Editors in Trophy Room, Rogers Building, 4 P. M. Hare and Hounds Club Annual Business Meeting, Room 27, Rogers Building.

Thursday, October 11th. — Lecture by L. Derr before the Society of Arts. Illustrated with stereopticon.

First Tourist (who has just done the Statute of Liberty)—Did you go up into the elbow of the statue?

Second Tourist—Yes. Funny joint, is n't it. — *Ex.*

Dr. Pritchett's Inauguration.

On Wednesday afternoon, October 24th, in Symphony Hall, Dr. Henry S. Pritchett, the president elect of the Institute will be inaugurated. The exercises have been arranged by the Corporation and the Faculty and will be of a simple but dignified character. The list of speakers for the event includes Dr. Pritchett, Governor Crane, Senator Lodge, Bishop Lawrence and representatives of the Corporation and the Faculty. The undergraduates of the Institute will attend in a body. The exercises will begin at two o'clock in Symphony Hall and will be followed by a reception in the general library in the Rogers Building. It is expected that representatives of other colleges throughout the country, and perhaps from other countries, will be in attendance. The event is looked forward to with great interest by all connected with the Institute. The entire affair is in charge of a joint committee of the Corporation and the Faculty, consisting of Francis H. Williams, George Wigglesworth, Alexander S. Wheeler and James P. Munroe of the Corporation, and Professors John D. Runkle, George F. Swain, William T. Sedgwick, Harry W. Tyler and Arlo Bates of the Faculty.

Architectural Department.

The collection of photographs of sculpture and paintings belonging to the Architectural Department has been increased during the past summer by the purchase abroad of about two hundred photographs. Among the subjects may be mentioned the bronze doors of the Florence Baptistery; the ceiling of the Sistine Chapel; a large wall-photograph of the sculptured singer's gallery made by Donatello for the Cathedral of Florence; several large photographs of paintings by Velasquez in the Madrid Gallery; a series of sculptures from the Cathedral of Rheims; a number of historical portraits and other paintings from

the gallery at Chantilly; and a small collection from the works of Rodin and other French sculptors of the present time.

The Department has recently received from Italy numerous examples of Majolica, Persian, and Assyrian pottery, and several details of the glazed terra-cotta work of Della Robbia. Among the latter, a full-sized panel from the Children's Hospital at Florence, and several details from the frieze of the hospital at Pistoria. These will add considerably to the collection of water-color models, which is gradually replacing the one destroyed by the fire.

The Tech.

THE TECH Board invites all students, and especially members of the Freshman class, who are at all interested in literary work to commence right away and send items of interest and news for publication in THE TECH. New advertisements are also requested by the business management.

There are excellent opportunities for new men to be elected to the Board, and the men who hand in the most and best work will be the successful ones. Those who have had previous experience in these lines are especially urged to undertake this work, but whether one has had experience or not, he should try to see what he can do, either by handing in all the news items he can get hold of, or endeavoring to secure advertisements. There is plenty of both to be had every day, and the more one can secure the better. Both the Editor and Business Manager will be very glad to answer any questions in regard to the nature of the work in their respective departments.

"What makes that Miss Hicks of Chicago look so pleased?"

"I think she overheard Ted's remark that Chicago girls were footless." — *Ex.*

Track Team.

Early in the year as it is, the prospects of the Track Team seem very bright. Many of the men on last year's team are back, and the notices received from the Freshman Class are most encouraging.

For the last two or three years the men have not come out in their first and second years at the Institute, but have held back until their third year, when many have done well. This necessarily weakens the team, for, as men have little time for the work in their senior year it means that every year a new set of men must be broken in. If Technology is going to keep up its good name in track athletics, this state of affairs must be stopped, and it rests with the Sophomore and Freshman classes to stop it. Each Sophomore and Freshman should feel it his duty, whether he has ever done anything in track athletics or not, to come out and at least try for his class team, the stepping stone to the 'Varsity.

Everyone should realize that the wearing of a track team "T" is an honor worth much hard striving for. Technology has always stood well in track athletics, and in 1894 held the enviable position of champion of the New England Intercollegiate Athletic Association. Last spring Williams College, which has an attendance list of only about three hundred men, won the Intercollegiate Meet. With that as an example the men of Technology, which has an attendance list of about twelve hundred, should feel it their duty to show interest and college spirit enough to come out and make it possible for Technology to retrieve her lost laurels. It is hoped that every man who possibly can will come out, and do his best to make Technology repeat the success of 1894.

"He wishes to be cremated and have his ashes placed in an urn."

"Would n't that jar you!"—*Widow.*

Communications.

The Editors do not hold themselves responsible for opinions expressed by Correspondents.

TO THE EDITORS OF THE TECH:

I wish to call the attention of the new students to the work of the Hare and Hounds Club and to correct some mistaken ideas which are current among the older men.

The club holds runs of five to eight miles every Saturday possible throughout the fall and spring. The start is at some place in the suburbs where convenient dressing-rooms can be had and the finish is at the same place—we do not run from the start to Boston, as some men suppose. The men run in Gym. suit and sneakers, *not spiked shoes*. The runs are not intended solely for the athletes. Our object is exercise, not speed, and new men will not find the difficulty of keeping up so great as they imagine. Later a Handicap Run with prizes is held. The expense is kept as low as possible, the club buying trip tickets and selling the rides at cost.

On behalf of the club I invite every Tech. man to run with us and, as it is hoped to have many new men out on the first run, the course will be shorter and the pace easier than later in the season.

FREDERICK H. HUNTER, '02,
Manager.

The Y. M. C. A. Reception.

The annual reception tendered the Freshmen by the Tech. Y. M. C. A. last Friday evening from eight o'clock to ten was a most successful affair. There were a hundred and sixty present. After a selection by the Y. M. C. A. orchestra those present were presented to President Pritchett who endeavored to meet all. Mr. Catlin, '01, then, with a few words, introduced Dr. Pritchett who spoke on the Association; its aims and past work, and gave the class a most hearty welcome in behalf of the Faculty. Professor Dwight Porter next made a few pointed remarks. Refreshments, at which Mrs. King officiated, were then served and the evening closed with some college songs in which all joined. Everyone seemed to have an enjoyable evening and the whole program tendered to make them better acquainted.

The Football Outlook.

At present, indications point to a very promising and successful season for the Tech. team. Not only are the men larger and heavier than last year but they show much more spirit and promise. The practice thus far has been light, intended only to get the men into condition for hard work this week. A most reliable and accomplished coach has been obtained in Mr. Crolius, ex-captain of Dartmouth, and much is expected from his attention. Of last year's team, Capt. Maxson, who played quarter will again fill that position. Laws will continue his former position at center. Chubb will take care of his end and be assisted by Godfrey at tackle. McDonald will not be in the game this year and his work will be greatly missed. At guard will probably be found the Hamilton brothers, one of whom played on Rensselaer Polytechnic Institute last year. Crocker will doubtless play end as last year. Wood is still behind the line and making a good bid for position. Dillon '04 is trying for full back; he played that position on Exeter last fall and promises much. Other promising men are Metcalfe, Bary, Smith, Capell, Allen. Seymes who played tackle on last year's team is off duty for some time on account of a leg broken during the summer. Of last year's team who are unable to play this year are Evans, Pond, Allyn and McDonald.

More men are expected and taking everything into consideration the season will be a successful one.

On account of the lack of interest shown in home games the majority will be played out of town. It seems strange that in a college the size of Technology spirit should be lacking, but it is so and to make a financially successful season the out of town games are necessary.

Manager Hilken has prepared the following schedule for this season's games. Ac-

counts of the games will be given in THE TECH as they are played.

Saturday, October 6th, Exeter at Exeter.

Wednesday, October 10th, Brown at Providence.

Saturday, October 13th, New Hampshire at Durham.

Saturday, October 20th, Steven's Institute at Boston.

Saturday, October 27th, Tuft's College at Tufts.

Saturday, November 3d, Amherst at Amherst.

Wednesday, November 7th, Boston College at Boston.

Saturday November, 10th, Needham A. C. at Needham.

Saturday, November 17, Holy Cross at Worcester.

Saturday, November 24th, Trinity at Hartford.

Negotiations have been made for a game on Thanksgiving day.

Tennis.

Many applications for membership in the Tennis Association have been received by the Secretary, E. H. Cutter, '02, and a successful year is assured. Entries for both doubles and singles in the Fall Tournament must be handed in at once. The courts are to be rolled and put in good condition for the preliminary round.

Hare and Hounds.

The Hare and Hounds Club will hold its first run for the year from Newton Center. All men wishing to go should be on hand to leave Trinity Place station at 1.50 P. M. The prospects are good for a fine run. Pember '02, and Pulsifer '03 will be the hares.

Mr. Crolius of Dartmouth, who is to coach the Varsity this year, is to be found at the Tech. gymnasium every afternoon at four.



'81. Governor Frank W. Rollins of N. H. has carried through the "Kearsarge Alabama" presentations very successfully.

'81. Frank G. Darlington has been spending the summer at Hyannisport. He has not been in good health for the past year.

'84. Miss Laura A. Linton is resident physician at the women's department of the Rochester (Minn.) Insane Hospital. She was graduated from the medical school of the University of Minnesota last June, having previously taught in the Minneapolis High School and served as assistant to Professor S. F. Pickham. Her work with him on the analysis of asphalts received wide attention.

'84. Edward V. Sedgwick, formerly with the Mexican Central Railroad, is with the Galena Oil Co. of Franklin, Pa. as a traveling mechanical expert. He was at Arequipa, Peru, when last heard from, having been through many South American countries. He states that in all his travels he has met many Tech. men but none of his classmates.

'84. The report of the eighteenth and nineteenth annual meetings and the sixteenth annual directory of the class of '84, was issued last August. The report gives a portrait of Mr. G. H. Heywood '84, who died in May, 1898.

'85. Mr. F. H. Newell has recently returned to Washington from an inspection trip extending over a considerable portion of the West. He has visited surveying parties in Montana, Idaho, the Pacific Coast States, and the central arid region. A large amount of work is being carried on in surveying reservoir sites and ascertaining the extent to which the arid land can be redeemed.

'86. Professor Bartlett has passed the recent vacation in Europe.

'86. Professor Miller was recently married to Miss Mary W. Reed, of Lexington.

'90. Professor Elton D. Walker, I., has resigned his position of Assistant Professor of Civil Engineering at Union College to accept a position at the Pennsylvania State College.

'90. Edward G. Thomas, in association with H. S. Adams, is opening up the Sunnyside mine at Butte Valley, Cal. Mr. Thomas expects to return to Boston this Fall.

'90. Mr. Cyrus C. Babb has had charge of the survey and examination of the water resources of the Unita Ute reservation in northeastern Utah. Large rivers traverse the arid land, and the object of the survey is to determine to what extent these rivers can be used for reclamation of the lands of the Indians. Mr. Babb's operations have been interrupted by sickness, and he is now in Garfield Hospital, Washington, with a case of typhoid.

'91. H. W. Jordan, has left the Solvay Process Co., Syracuse, N. Y., to manage the Bowker Chemical Company's works at Elizabeth, N. J.

'91. H. S. Kimball is chemical engineer with the Hydrate of Alumina Plant, Pennsylvania Salt Mfg. Co., Natrona, Penn.

'91. R. W. Mansfield has been promoted from Superintendent to Vice-President and General Manager of the Norwalk Tramway Co.

'91. Frank H. Burton is now chief draughtsman of the Army Transport Service.

'91. S. W. Wilder has been appointed manager of the Merrimac Chemical Company.

'92. R. H. Soule, M. E., is established at

71 Broadway, New York, as a Constructing and Designing Mechanical Engineer.

'94. Harry W. Gardiner, IV., instructor in second year design at the Institute, has returned to this country after a year's study in Paris. T. H. Skinner, '92, has been filling the vacancy.

'96. Mr. H. A. Pressey has had charge of the examination of the rivers flowing out of the Southern Appalachian Mountains. Under a recent Act of Congress, investigation has been ordered as to the character and value of the forests of these mountains and their probable influence on the water supply. The streams are therefore being measured by the Division of Hydrography of the Geological Survey, of which Mr. Pressey is a member, and material obtained for the report upon the use and value of these streams in furnishing water power.

'97. James W. Smith, II., formerly Assistant in Engineering Laboratory, becomes Professor Lanza's assistant this year.

'97. Percy M. Smith, II., was married on August 1 to Miss Ethel Burgess Torrey, of Rockland, Mass.

'97. Robt. G. Hall, V., was married on June 19 to Miss Josephine June Thompson, of Pueblo, Colorado.

'97. Arrangements are being made for holding the Annual Class Dinner early in December, at the University Club.

'98. Edward Sturtevant announced his engagement to Miss Theodora Van Horn of Newport on Sept. 23.

'99. Harry A. B. Campbell is with the Baldwin Locomotive Works, Phila., Pa.

'99. Bernard Homar is with the engineer of bridges and building, Baltimore & Ohio Railroad, Baltimore, Md.

'99. H. Philip James is Assistant Electrical Inspector with the Factory Mutual Fire Insurance Companies, 31 Milk St., Boston.

'99. Harry S. Mork, is chemist with the

Cellulose Products Company, 28 Bedford St., Boston.

'99. Almiron W. McCrea, is with Warren & Wetmore, Architects, New York, N. Y.

'99. Worthington Palmer is in the office of George Cary, Architect, Buffalo, N. Y.

'99. William E. Parker is with the Newport News Shipbuilding & Dry Dock Company, Newport News, Va.

'99. Myles S. Merrill entered the University at Leipsic, Germany, this fall.

'99. J. A. Patch left for Beimt, Syria, in August. He is Instructor in Sciences at the Syrian Protestant College in that City.

'99. John H. Adams is draughtsman with Peters & Rice, Tremont Building, Boston.

'99. Walter R. Bean is with the New York Shipbuilding company, Woodbury, N. Y.

'99. Raymond F. Bennett is with the bridge department, New York, New Haven and Hartford R. R., New Haven, Conn.

'00. J. H. Batcheller, Course III., is at present located in Lead City, South Dakota.

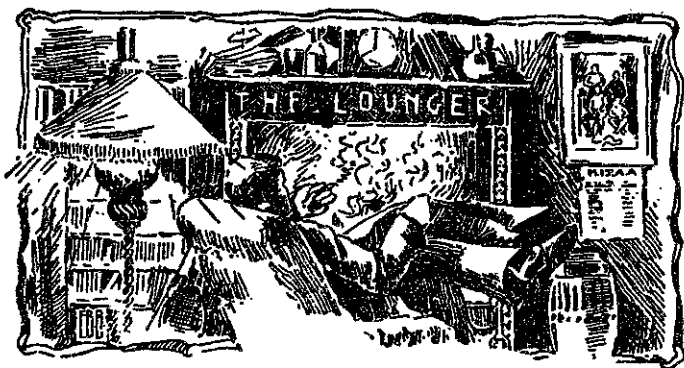
'00. H. D. Jouett, Captain of '99 Football Team, is visiting his Boston friends, being on a vacation from his duties as bridge inspector with the New York Central R. R.

'00. L. M. Lawrence, Course IV., is an instructor in drawing at the Mechanic's Arts High School.

'00. C. Van Merrick, Course IV., has a very lucrative position on the New York State Canal Survey in Syracuse N. Y.

'00. The engagement of Stanley G. H. Fitch, Course X., formerly of THE TECH, to Miss Dillaway of Dorchester, was announced last June.

"Yussir," remarked the chocolate-colored menial, as he counted out his week's tips, "dere was suttinly nothin' de matter wid de gemmen what said, 'Ebryting comes to him who waits.'" — *Ex.*



For many long years THE LOUNGER has endeavored to pass off as a facetious remark his perennial appearance and has extolled at length on the seven-hued beauty of the diploma which he has missed each successive spring. Each year he has told how the dream has come to him and how he has mistaken the M. I. T. A. A. bulletin (see fig. 4-11-44 above) for a diploma and has been again and again foiled. He has certainly gone on a long way since he entered TECH to become a guide, philosopher and friend to the adolescent youth that asks, when entering Rogers, "where the place to hang his hat is." This adolescent youth, THE LOUNGER notices, is as omnipresent as usual and THE LOUNGER wishes, figuratively, to give him the glad hand, to congratulate him on the proud distinction of having become a member of the Y. M. C. A. and to assure him that the best way to succeed is to believe everything THE LOUNGER writes, love your enemies, and subscribe for THE TECH.

Whatever may be the feelings of the Faculty on the subject, it has long been a standing pleasure of THE LOUNGER to perceive that some enterprising author has been up to date enough to keep his works in at least twelve editions a year. Not to mention those wondrous plates that THE LOUNGER learned "primary mass" from years ago, it is intoxicating in no small measure to notice that a new edition of the *Applied* is out. Soon some of these publications will be on a basis which will make them virtually rivals of THE TECH and the subscriptions will be sure to fall off. THE LOUNGER, however, beholds a sadder spectacle and he offers what consolation there is in six dollars when \$5.60 are taken out for a new *Applied*, to that far-sighted speculator who indulged in a second-hand *Applied* last year, "at a bargain." That, certainly, is a misfortune to jar you.

THE LOUNGER wishes to announce that the Faculty are now receiving regrets from the class of 1903. That class, which disapproved of the subject of Military Science with such effect that the stamps of its disapproval are to be found all over the floor of Huntington Hall, imagined that it was having things

all its own way until the end of the year. Then it learned the impracticability of bucking against the M. I. T. Faculty. The strategic commandant, with a final masterstroke, gave a final exam., marked the papers and fled. The finishing blow was given when it was announced that another officer of a still higher rank had actually and in cold blood, *volunteered* to accept the responsibility of the abandoned post. THE LOUNGER congratulates the enterprising class on possessing a competent number of Sophomores, tamed by experience and fully able to teach the value of good behavior during the three hours of military affairs.

As THE LOUNGER leans back in his easy chair and takes the first long breath of the day in the shape of the product of his meerchaum, the memories of the summer past float about the foreground of his mental vision. He has added greatly to his large experience in many matters, and has whiled away several hours once or twice in a while in investigating the gentle art of fussing. Now if he were to give his protégés, the Freshmen, any advice so early in the course he would say, "Beware of the ladies"; if he were to specialize in the subject, "Do not send the Coeds roses." THE LOUNGER has spent much of his most valuable time during his vacation (taking out time for the Summer-School course in Art Needlework) in compiling an exhaustive treatise on the subject, fully illustrated by plotted curves. The conclusion has been reached that it does n't pay thirty cents on the dollar. Any of THE LOUNGER's readers who are interested enough to follow up the subject may procure an *édition de luxe* at Ridler's for the nominal sum of \$1.80—ten per cent. on for cash. If there are any questions further, they may be handed in on regular petition blanks furnished for the purpose.

THE LOUNGER's attention is once more called to the foot-ball enthusiast who at this time of the year waves the subscription blank and deems it not improper in his enthusiasm to ask even the Faculty to subscribe. This year the football season has, THE LOUNGER must admit, opened rather auspiciously with a new coach for the eleven. For this gentleman, who, contrary to the traditional rule, does not stand aside and, smoking a cigar and looking like a Greek statue, direct the game, THE LOUNGER has a profound respect. Another thing to be observed is that the Varsity is to allow but slight leeway for the Freshmen eleven, which eleven so far is only a wish, and for the Sophomore team, which had the dignity of being a wish last year. THE LOUNGER expects that this considerate position towards under-class teams will be appreciated by both classes, but he has grave doubts upon the subject and the paramount issue is likely to go to the wall.

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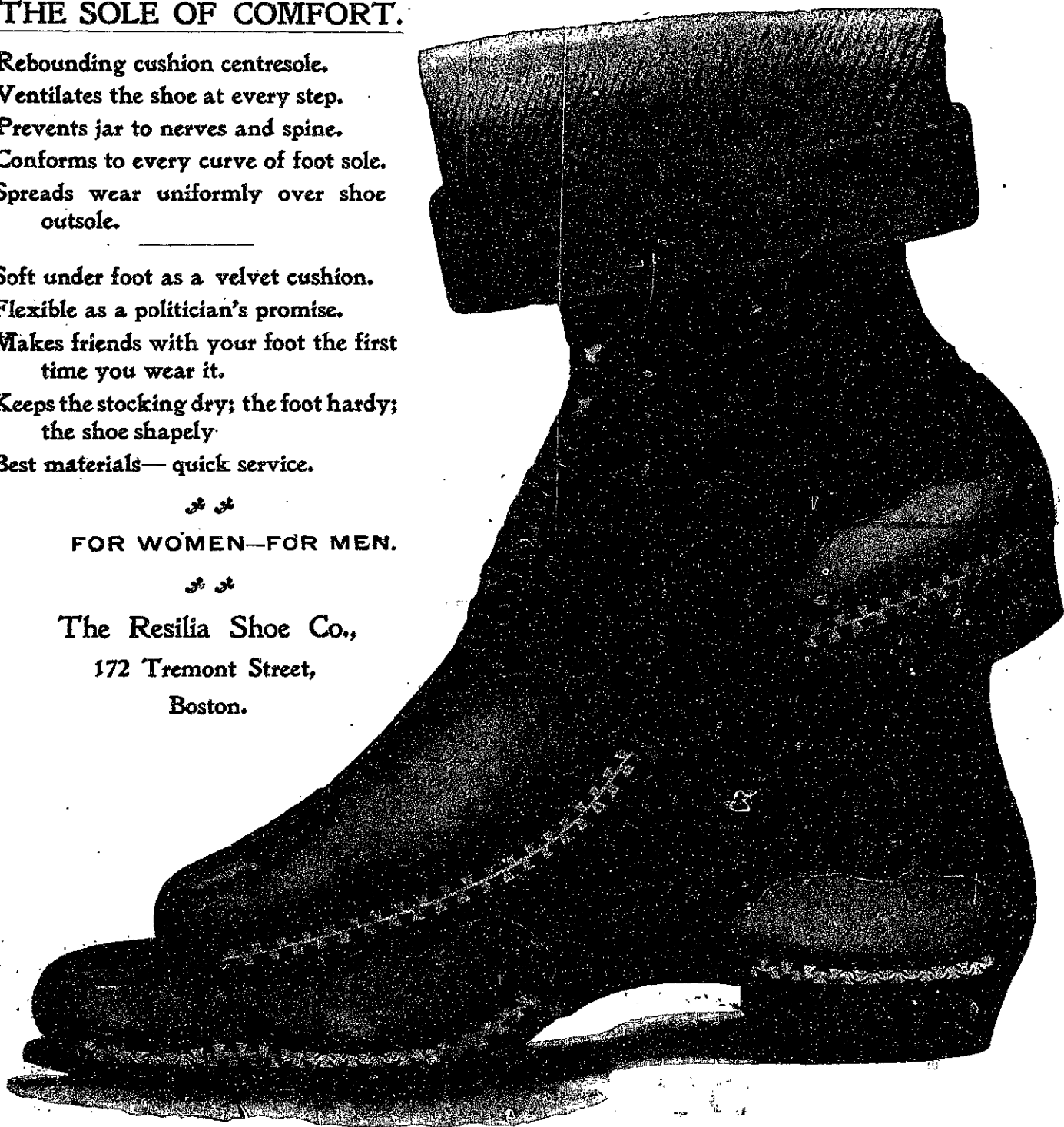
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Week Commencing October 8, 1900.

Hollis Street Theatre.— This week Mr. Sothern is presenting "Hamlet" and the production is one of the most successful ever seen in Boston. Mr. Sothern has given the theatre-goers a Hamlet that is recognized as a masterly piece of work.

Boston Theatre.— The third week of "Monte Christo" has proved the play to be as great a favorite as ever, and Mr. James O'Neil has certainly received an enthusiastic appreciation. The big spectacular play is elaborately staged and should not be missed.

Columbia Theatre.— Dan Daly, who has become a great favorite with Boston audiences, appears again at the head of a large company in "The Cadet Girl." The play has received a cordial welcome as it certainly merits. The cast includes Miss Adile Ritchie, Miss Alice Judson, Mr. W. P. Carleton and many Casino favorites.

Boston Museum.— A double bill is being presented at the Museum, made up of the comedy "Naughty Anthony" and the Japanese drama "Mme. Butterfly." Mr. Charles E. Evans, who has a reputation as a fun-maker, has made a thorough success of "Naughty Anthony" and "Mme. Butterfly" is really a splendid piece of dramatic work.

Keith's Theatre.— The variety and quality of the attractions presented this week is equal to anything that has been produced in this popular theatre this fall. Papinta and Digby Bell are leading attractions this week.

Tremont Theatre.— The admirers of Anna Held are filling the theatre nightly and are enthusiastic in their applause and laughter at the well-presented piece. The play "Papa's Wife" has proved an immense success. Next week "Her Majesty" with Grace George in the title rôle will be given.

Castle Square Theatre.— "Countess Valesca" has made a very favorable impression, with Miss Lillian Lawrence as the leading lady. The piece calls for an actress with real dramatic ability and Miss Lawrence has made a rare success of the title rôle. "Just a Day Dream" is announced for next week.

Park Theatre.— Liebler & Co. will present for this week, at least, James Lane Allen's "Choir Invisible," which has been dramatized by Frances Hastings. The cast includes Henry Jewett and is a play of extraordinary interest. It is most appropriately staged.

Music Hall.— The attractions in the bill for this week include Alf. Grant, Jess Dandy, Cushman, Holcomb and Curtis, Wood and Shepard, Lizzie Weston, Richard Pitrot, Stenson and Merton, Ford and Francis, and as many more refined and clever vaudeville artists.

20th Century Exposition.— The exhibition given at Mechanics Hall this month will give Boston a chance to hear the 71st N. Y. Regiment Band with Fanciulli, who have created a fervor in musical circles. The exhibition has been planned on an extensive scale and is a superb attraction.

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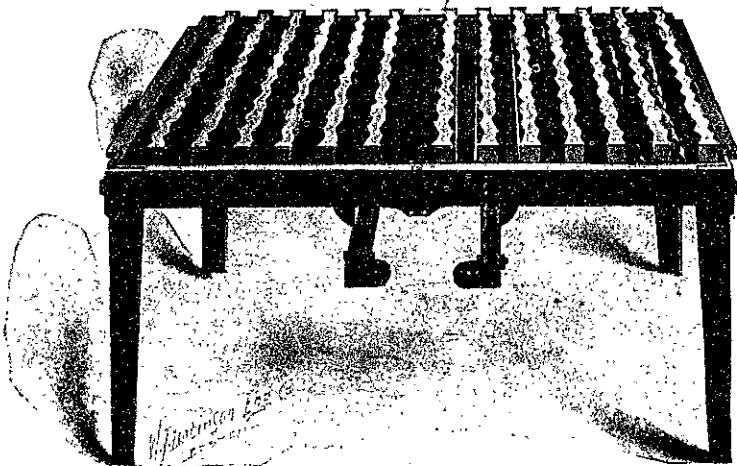
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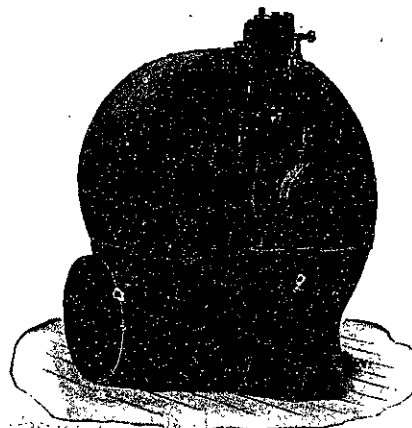
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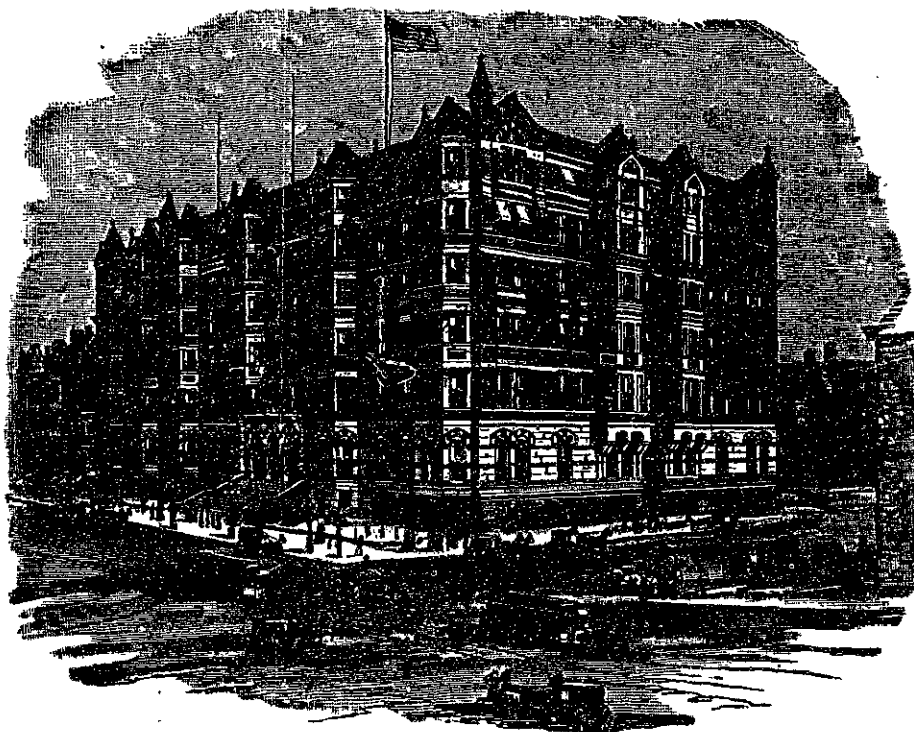
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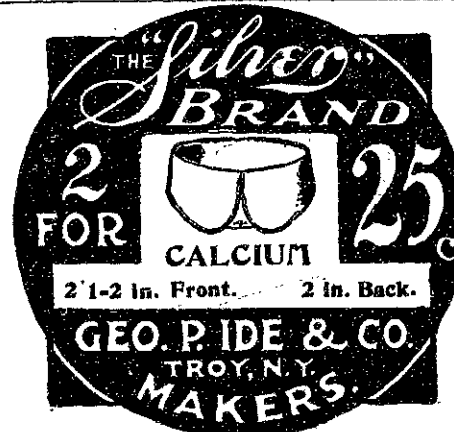
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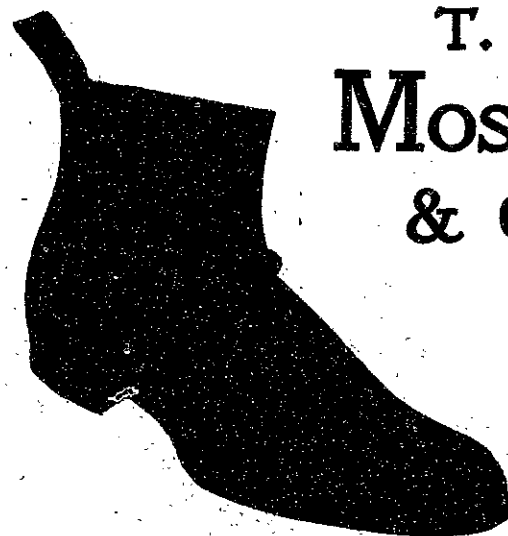
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