Oak Grove Creamery Company,

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

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.

Knickerbocker

Shoe for all Occasions.

FRENCH PATENT CALF, $4.50
OIL GRAIN SKATING BOOTS, $4.00
ENAMEL WALKING BOOTS, $4.50
WAX CALF BLUCHER OXFORDS $4

Retailers who do not manufacture charge you $7 and $8 for the same grade shoes.

The David Myers Company,

Tailors to Harvard Co-operative Society,

172 Tremont St., Boston.

The Harvard Co-operative Society discount of 15 per cent. allowed to all Tech students.

Clark's Dairy Lunch,

22 Columbus Avenue.

All our Stews, Soups, Chowders and Chicken Pies are HOME MADE. Chicken Stew, 10c.; Beef Stew, 10c.; Lamb Stew, 10c.; Fish and Clam Chowder, 10c.

We use only strictly Fresh Eggs and the best Creamery Butter. Our Coffee is unsurpassed.

George S. Chase. Harvey S. Chase.

AUDITORS and

EXPERT EXAMINERS-OF-ACCOUNTS.

Especial experience in audits of Manufacturing and Mill Accounts, of Municipal Accounts; and in examinations of insolvent corporations for creditors or assignees.

REFERENCES:
City of Providence, Chickering & Sons, Chapman Valve Mfg. Co., and to officers of other Corporations, Banks, Trust Co's., etc.

8 CONGRESS ST., BOSTON.

Telephone 558 Boston.

HIBBARD & MASON,

(INCORPORATED.)

414 Washington Street,

BOSTON.

DRESS SUITS, silk-lined and faced, $45.00.

E. W. BURT & CO.

Manufacturers and Retailers,

Heavy Double Soles to the Heel.

Wide Extension Edges.

Extension Heels, 50 Cents extra.

Fancy Wing Tip Oxfords for Golf, $5.00.

BOSTON STORE,

40 WEST STREET.

HARVARD SQUARE,

1312 Massachusetts Avenue.

In writing advertisers kindly mention THE TECH.
Wilbur, Campbell, Stephens Company,

High-grade Factories &

Shirts,

Troy and

Collars and

Albany,

Cuffs.

Boston Office:

24 Kingston Street.

The Drug Shop.

H. O. Nute & Co., Inc.

Everything in the Drug Line, also Full Line Imported and Domestic Cigars.

Pipes, Cigarettes & Tobacco.


H. O. Nute & Co., Pharmacist,

335 Columbus Avenue, cor. Dartmouth St.

Co-operative Discount.

Special Discount to Students.

Trousers pressed and sponged, 15 pairs for $1.00.

3 Suits or 3 Overcoats pressed and sponged, $1.00.

Suits or Overcoats steam or naptha cleansed, $1.25.

All other work done at low prices, and 10% discount allowed to students.

We call and deliver at any time.

Goldberg & Rich,

Tailors

368 Columbus Avenue,

Opposite Yarmouth Street,

Tel. 438-2 Tremont.

Goldberg & Rich,

European Plan

Harry L. Brown,

Manager.

The Official Tech Pin.

Gold Plated on Silver, $1.00.

Gold, $2.50. Silver 75 cents.

Henry Guild & Son,

Manufacturers of Ham, and other Society Pins.

433 Washington St., cor. Winter St., Boston.

Scientific Books

Danevell & Uphan,

The Old Corner Bookstore

283 Washington St., Boston.

Patents

Trade Marks

Designs

Copyrights &c.

Anyone sending a sketch and description may quickly ascertain our opinion free whether an invention is probably patentable. Communications strictly confidential. Handbook on Patents sent free. Oldest agency for securing patents. Patents taken through Munn & Co. receive special notice, without charge, in the Scientific American.

A handsome illustrated weekly. Largest circulation of any scientific journal. Terms, $3 a year; four months, $1. Sold by all newsdealers.

Munn & Co. 361 Broadway, New York

Branch Office, 65 P St., Washington, D. C.

In writing advertisers kindly mention THE TECH.
Gifts for All...

...Occasions.

Weddings, Anniversaries, Birthdays.
Gold, Silver, China and Novelties.

Class Engraving.
Athletic Prizes.

A. Stowell & Co., Incorporated.
24 Winter St.

Top Coats and Suits.
The Raglan and the Top Coat are dividing the favor of well-dressed men this season. We show splendid lines of each, excellent in quality, style and fit. Collars that fit properly, correct shoulders and stitching, all show the handwork of tailors that have no superiors.

OAK HALL,
Washington and Elm Streets.

1900
TECH MEN! 1901

...GO TO...

Newman the Shoemaker,
COLLEGE SHOEMAKER,

For your Shoes and Rubbers.
79 TREMONT STREET, Tremont Building, Boston, and Harvard Square, Cambridge.

In writing advertisers kindly mention THE TECH.
THE MIDVALE STEEL CO.,

Locomotive and Car Wheel Tires, 
Forgings and Castings, 
Bar Steel.

Nickel Steel 
Forgings 
for 
Marine Engines.

Ordnance 
Forgings 
and 
Castings.

OFFICE AND WORKS:
PHILADELPHIA, PA.
McMORROW, Formerly with H. H. Tuttle Co.

COLLEGE SHOES FOR COLLEGE MEN

OPP. YOUNG'S HOTEL. 238 Washington Street, Boston.

I beg to announce the opening of a new Hair Dressing Room FOR GENTLEMEN, with bath attached.

Hotel BERKELEY, Cor. Berkeley and Boylston Streets.

HOward CLark, Formerly of Marks', Holyoke Street, Cambridge, Mass.

Hotel Nottingham

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.

Patronage of Tech Students is solicited in our Cafe.

-European Plan.-

Check Baggage Back Bay Station, Boston.

A. H. Whipple.

NOTICE.

Have you seen our new COMPASS TIE? Can be worn as a Four-in-Hand, Imperial or Ascot. Just the thing for a Christmas or a New Year's present.

Examine our choice line of JEWELRY.

Special discount to students mentioning THE TECH.

Agent for the Famous Cambridge Laundry. Work called for and delivered promptly.

A. COHEN, 329 Columbus Avenue.

LEE CATERING CO

Restaurant and Lunch Counter.

MEAL TICKETS, MODERATE PRICES.

Catering in all its Branches.

Choice Candies and Confectionery.

JOSEPH LEE, MANAGER.

Before Christmas Day

You will want your new Dress Suit. You may be thinking of it now — then we are just in time to remind you that we can save you $10 to $20.

Dress Suits $35.00
Raglans 25.00
Rain Coats $18.00 to 22.00

GEO. F. HARDING,
Merchant Tailor,
18 BOYLSTON STREET.
EAT AT OUR RESTAURANT.

MEADOW BROOK FARM CO.,
202 DARTMOUTH STREET,
Near Copley Square and Back Bay Station.
Good Food and Service at Moderate Prices.

Charles A. Hoyle,
PORTRAITS.

... Specialty in Platinums ...

288 BOYLSTON STREET, Opp. Subway Entrance.

Tech Students
(WATCH THIS SPACE)

Our Special Bargain List of
Cameras and Photo Supplies will
be ready on the 15th of December.
Send us your address and we will
mail you one. Or better still call
and get a free sample bottle of our
B. B. B. developers, and see the
stock. We quote lowest possible
prices on Standard Goods.

Pinkham & Smith
Opticians,
288 Boylston Street,
Boston, Mass.

T. E.
Moseley
& Co.

Winter and Storm Boots,
Double Soles—Tan—Black.
$3.50 to $9.00.
145 Tremont St., Between Temple Place
and West Street.

10 PER CENT. DISCOUNT TO TECH.

In writing advertisers kindly mention THE TECH.
Hall & Hancock,
Novelties in
SOFT
HATS AND
STIFF
HATS
Canes, Umbrellas,
Hat Cases and Gloves.
407 Washington Street.
Discount to Tech Students.

HAWKES,
Tailor,
71 BEACON STREET,
Full Line of
Fall and Winter
IMPORTATIONS
Successors to D. Toy & Co.

THE LARGEST ASSORTMENT OF FOREIGN WOOLLENS SHOWN IN BOSTON.
CO-OPERATIVE.
In writing advertisers kindly mention THE TECH.
HE personnel of the TECH Board has been changed somewhat since the last issue. Mr. E. B. MacNaughton, 1902, has been elected to the Art Editorship, and the office of Secretary is now filled by I. R. Adams. As yet the Freshman class has no representative, and there is room for, and need of, more Sophomores.

We are very much pleased to note the renewed interest and energy which has this fall been displayed by the members of the Mining Engineering Society. When this society was first started some four or five years ago, it had the promise of marked success in the purpose for which it was intended. Its meetings were frequent, well attended, and interesting. For the last year or two however, for some unknown reason, interest seemed to lag, and but little development was shown. As previously stated, this year a radical change seems to have taken place. Meetings have been, and for the rest of the college year will be held every three weeks. It is the intention to have a lecture given at each meeting. These lectures are to be given by members of the Society and others also. We congratulate the members of the Society on its present policy and predict that the results will be most gratifying to those concerned.

The Christmas recess, whether it be longer or as in previous years, comes most opportunely as a welcome break in the steady routine of work. Let us all make the most of it and return refreshed for our preparation for the midyear examinations.
Tech Hospital Bed.

It is with sincere pleasure that President Pritchett has to announce to the students the recent action of the Massachusetts General Hospital, as shown in the letter below, in the establishment of a free bed for the use of students of the Institute, in recognition of the valuable services the Institute of Technology has been able to render the hospital. It is his earnest desire that any student having occasion to make use of such a privilege will avail himself thereof without hesitation.

Boston, 2 Kilby Street, November 16, 1900.
Dr. Henry S. Pritchett,
President—
Dear Sir:—At a meeting of the Trustees of the Massachusetts General Hospital held this day, the following preamble and vote were unanimously adopted.

"In consideration of the very valuable services rendered to the Massachusetts General Hospital by the Chemical Department of the Massachusetts Institute of Technology—Voted—That the Corporation of the Massachusetts Institute of Technology be, and they hereby are authorized to nominate a student patient to a free bed at the General Hospital at any time during the ensuing five years."

I am very respectfully yours,
(Signed) Thomas B. Hall,

Biological Journal Club.

The Biological Journal Club held a meeting on December 18th, at which Dr. Bigelow read a paper "On Consanguinity and its Influence and Susceptibility to Disease;" Miss Dike on, "Drug Inspection in Massachusetts in 1899," and Mr. Winslow, on "Color Bacilli in Drinking Water and Their Sanitary Significance."

A meeting of the Class of 1901 will be held in Room 11, Rogers Building, Wednesday, January 2, 1901, at one o'clock, to hear the report of the committee on the choice of Class Photographer, and also for the election of the Senior Portfolio Committee. All members are earnestly requested to be present.

On New Year's Eve, the Senior Class is requested to assemble on Rogers Steps at half past eleven. It is suggested that as many as are able attend the evening performance at Music Hall.

Let no one miss this opportunity of welcoming in the New Century as well as the New Year.

Junior Architects.

1902 Course IV., has organized with the following constitution which explains itself.

Specifications of the Doric Order of Architects:

1. Foundation Plan. The name of this association shall be the "Doric Order of Architects."

2. Rez de Chaussee. The object of this order shall be to further the interests and increase the fellowship of the students of M. I. T. 1902, Course IV.

3. Second Story Plan. All students of Course IV., '02, regular or special, shall be eligible to membership and may become members by signing this specification.

4. Front Elevation. The officers of said order shall consist of a committee of three to be called the "Entablature," the chairman to be called the "Corona," and the other two members "Mutules." (Duties those usually assigned to such positions.)

5. Third Story Plan. A quorum shall consist of twelve members.

6. Working Drawing. Meetings shall be held at the will of the Entablature.

7. Roof Plan. A two-thirds vote of active members shall be necessary to amend these specifications.

8. Scale and Reference Table. Each member shall be called a "Dentil." Each honorary member shall be called an "Accidentil." Each committee of three appointed by the Entablature shall be called a "Tri-glyph."

At a meeting held last Monday afternoon, I. R. Adams was elected Corona, and J. C. Fruit and H. H. Saylor the Mutules.
L' Ecole des Beaux Arts.

BY PROFESSOR DESIRÉ DESPRADELLE.

In ascending the quay Malaquais and entering the rue Bonaparte, formerly the rue Petits Augustins, the first large door at the right gives access to l'Ecole des Beaux Arts. Its entrance court filled with specimens of the great periods of art is a veritable open-air museum. At the right, an important architectural fragment, harmonious of line, composed of orders superposed, is one of the finest examples of the classic French Renaissance. It is from the Chateau d'Anet erected by Henry II for Diane de Poitiers. This work with the old Louvre of Pierre Lescot and the fountain des Innocents in Paris marked the culminating point of the French Renaissance. Facing this Court is the portal of the Chateau of Gaillon erected by command of Cardinal d'Amboises, 1505, near the epoch when Michael Angelo decorated the Sistine Chapel. "The Sybils and the Prophets" as well as the important decorative work of Raphael should also be given at l'Ecole if it is indeed the temple of art. Should not Italian painting, the daughter of Greek art and the mother of the art of France be represented by the two greatest names which have marked its highest development?

Returning to the Court and entering the door beside the chapel by three steps, Ingres seems to confide to the student that "design is the integrity of art." Beyond is a little ivy-encircled court, bordered by arcades and green with shrubbery. Near a mulberry tree a fountain murmurs, while facing is the Galatea of Raphael transferred in indestructible colors upon stone. Surrounding three sides the pillars of the arcades ascend to the flat roof, broidered with ornaments and small heads, reminiscent of a loggia of the Renaissance decorated after the souvenirs of Pompeii.

At the extremity of a portico, is the monument to Henri Regnault, and the young artists killed during the Franco-German war. This marvellous little jewel conceived by Coquart and Pascal exhales all the freshness, grace, delicacy and charm of youth. On the walls the horses and cavaliers of Phidias careen at mid-height at the back of the portico, while just beyond is that masterpiece of masterpieces, that sublime triumph of form, the frieze of the Parthenon.

The epoch to which the works of Phidias belong marks the culminating point in Greek art, as the rivalry between Raphael and Michael Angelo marks a similar point in the art of Italy.
Leaving this court so full of reminiscences of the past, we find facing the Galatea, a wide stairway surrounded by Ionic columns near which two nude Greek phebes of purest marble, seem almost endowed with life, in the softened light, resembling that of an atrium of other days. In this calm refuge, surrounded by simple forms and harmonious colors, it is sweet to pass an hour, remote from the noises of the street, and the agitation of this workaday world.

Beyond is the great exhibition hall for the Competitions of the School—architecture, painting, sculpture and engraving. The Salle Malpomène (Hall of Melpomane), above-mentioned. Ah, if the walls could but speak, what marvels would they relate! for although decked with beautiful copies borrowed chiefly from the Italian school, a reproduction of a portion of the fresco of the Sistine Chapel embellishing the ceiling, they would speak to us of our princes of art who have awarded the grand prizes of the Academy since the foundation of the school. Of the authoritative and passionate Meissonier. Of Garnier with the curious profile, magnetizing his colleagues with the eloquence of his powerful criticism. Of the charming and spiritual Coquart. Of the Duc d'Aumale, Micaenus and grand seigneur, more amateur than artist, with an affable and smiling dignity in the midst of the general hubbub. Of the gentle and calm Daumet, and of Gounod, he for example, who, when the judgment of the grand prix in architecture was to be decided, delivered a short discourse upon his hobby, the similitude between music and architecture. There is indeed, a marked resemblance between the two arts. If we analyze a beautiful symphony by Beethoven, for example, we find the same general laws of composition that exist in architecture.

On one side of the Hall of Melpomane is the hall of the grands prix in painting and sculpture, since the foundation of the school to the present time; those of architecture are in a separate room over the library. Especially to be remarked, are the first works of David, of Ingres, of Prudhow, of Garnier, Coquart, Bonnat, and Chapu, and it is a rare chance if certain qualities are not discovered, which have displeased the originator the entire course of his life, although it sometimes happens his last work does not fulfil the promise of the first.

Leaving the Hall of Melpomane, regaining the Court of Entrance and passing near the Porch of Gaillon is a second court preceding the library and the studies, in which is a considerable number of casts.

Before entering this portion of l'Ecole, mention should be made of its architect Duban, his successor Coquart having only completed and made certain additions to the original, Duban was one of the triumvirate, Labrouste, Duban and Duc, through whose instrumentality peace was made after the memorable struggle between the classic and romantic schools by fusion, and indicating the doctrines of modern art, which, while deriving its inspiration from the antique and following its great traditions, is sensible of all the logic and rationalism of the romantic school.

Of the three, Duban perhaps better understood the antique. Is not this quality indicated in l'Ecole des Beaux Arts? Although attaining lesser heights in his art than Coquart, he possessed nevertheless great delicacy and assured taste, and invested all parts of the work with inexpressible charm. The library notably is an example which in its simple beauty com-
pares favorably with the finest pages of the past.

The fine glass court, so admirably suited for study and guarded to the right and the left by the Columns of Parthenon and those of the temple Jupiter Stator is entered by crossing the vestibule. Coquart understood well the decoration of this hall, placing the beautiful collection of antique casts in striking relief. It is but another evidence of the remarkable suppleness of the genius of this architect of the great hall of the Court of Cessation, who knew how to retain the noble and the beautiful in the midst of the utmost splendour of decoration. This quality of eminent suppleness again declares itself at the cemetery of Père la Chaise in the tomb of the monument to Generals Lacomte and Clement Thomas, which exhibits great thought while discovering an original disposition of styles. It is revealed with grace and distinction at the l'Ecole des Beaux Arts in the monument to Regnault, and finally in the great glass hall in the Court of Casts, where he has held himself under such admirable restraint, making of his architecture a frame,—but what a frame! designed to place boldly in evidence these pages chosen from the antique, whose profound study is always the first foundation of all artistic education. Unlike the works of certain celebrated contemporaries those of Coquart do not grow old but retain all the freshness and brilliancy of the day when they were produced, of which the examples cited at l'Ecole des Beaux Arts give ample proof.

At the top of the double stairway conducting to the library, is a promenoir copied from the loges du Vatican which commands admiration even after one is familiar with the original.

There the figures of Raphael are crumbling in pieces, while the arabesques seem to have been scratched with a knife. Here, however, the faithful disciples of the master, after ten years of patient labor have reproduced them anew, entire and in good taste. Garlands of grapes, oranges, squash and figs, in varied hues, opening or falling from the stalk, descend the length of the walls in harmonious concert. In the centre of each arcade large black medallions in relief against small red squares contrast happily with the diminutive arabesques and delicate blossoms which escape from them. The fruits display that juicy richness and exalted genus fitting a festival of the Renaissance. The fifty-two frescoes of the ceiling testify the abundance, the surety of taste and hand, the imbred art, decorative and spontaneous, not at all a work of vanity but an instrument of pleasure which by making the masses subordinate to the ensemble gives the finishing stroke to architecture. A more truly beautiful mental picture cannot be carried away than this calm and healthy art which possessed the strong and simple souls of bygone days.

The hemicycle of Paul Delaroche is found in descending the stairways, always in the same body of buildings, and crossing the glass court of Casts. This amphitheatre of somewhat limited dimensions is in a sense a hall of honor serving for the distribution of high awards, for official solemnities and for the general courses upon the history of art, archeology, esthetics and literature. A political discourse on an electoral campaign or a conférence on alimentary products would be imagined with difficulty in a place whose purpose is so eloquently indicated by this grand mural painting. In the middle and at the back of the fresco are seated the three judges of art, Phidias, Ictimus, Apelle. A little below to the right and the left are four female figures, which symbolize the four great periods of art, namely: The art of Greece, Rome, the Middle Ages and the Renaissance.

It may be mentioned in passing, that the beautiful blond figure which represents Gothic art, is none other than Madame Delaroche, daughter of the painter Vernet.

In the foreground the Renowned under the designation of l'Areopage, distribute the victors' crowns.

The series of paintings is enclosed between a painting by Poussin forming the right extremity of the hemicycle from the spectator's point of view, and
one by Veronese forming the left extremity. This splendid fresco is the chef d'oeuvre of Delaroche. Poor Delaroche! He who so carefully concealed his productions, wishing to preserve them from the gaze of the crowd, murmuring, "Oh, I was not created for brush, canvas and colors. I was destined for politics and diplomacy. Long live Talleyrand and Metternich!"

An interesting canvas by Ingres "Romulus victorious over Acrón," hangs back of the platform.

There remain many other places to explore at l'Ecole des Beaux Arts, for example the Cour des Loges, at the left of the library, where the young artists, architects, painters, sculptors and engravers competing for the Prix de Rome, are confined during one hundred and ten days, for the production of their work.

The former residence of the Princess of Chimay having the principal entrance on the quay Malaquais has since, a few years only, been appropriated for a museum, studios, gallery, etc., and all this little world, or rather this great and unaccustomed world of statues, has not yet had time to make its acquaintance, so that a breath of suspicion seems to rest in the air.

If to these are added the museums of collections, the numerous amphitheatres, studies, studios, special libraries, etc., etc., a certain idea may be formed of the visible side of l'Ecole Nationale des Beaux Arts.

Within this marvellous frame is grouped all of past ages of a nature to penetrate the spirit of art, in familiarizing us with its master-pieces. Nothing useless, nothing showy, nothing to provoke the mercantile spirit. On the contrary, everything is chosen with extreme care by distinguished experts whose sole preoccupation is to develop the culture of the young artists, to form their judgment and their tastes. L'Ecole des Beaux Arts is under the patronage of shadows which hover everywhere within its precincts, Phidias, Ictinas, Apelles, Michael Angelo, Raphaël, as well as Jean Goujon, Philibert de l'Orme, Puget and Poussin and hosts of others. It is under this high protection that the students undergo the first ordeal of transformation which makes them receptive of the elevated ideas of art and it is the influence of this wonderful environment which aids the masters in imparting not only the letter, but the spirit of things, the eternal spirit, transmissible in every country and at all times, the spirit which radiates from all things lovely. Here also are taught the simple rules which govern all esthetics: truth, unity, expression, and honesty of adaptation.

The instructing staff is composed from the most distinguished masters in the arts, letters and sciences, each having had a career and given proofs of marked ability. Admissions are made by competition alone, the number at each session being limited in advance, so that it is easy to understand the emulation and enthusiasm which exists at l'Ecole des Beaux Arts. Moreover, everything possible is done to facilitate education; assistance by the State, travelling scholarships, foreign sojourn in Italy, Greece, Egypt and Spain, numerous endowments by the Académie des Beaux Arts, as well as from private sources pave the way to the higher education of talented young men of limited means, during the long years exacted for the different courses of study.

Although in a certain sense, art is in itself aristocratic, no distinction of birth or position is permitted at l'Ecole. Everything is liberal and democratic. Its inestimable privileges, too, are extended to students of foreign countries, even to participation by the most distinguished in its endowments. Its encouragements are perhaps more numerous for architects than for other artists by reason of the double education exacted; the solid general education previous to admissions, then the entrance achieved, the development at one and the same time of the artist and the man of science,—the rôle of the architect being singularly complex, which requires many years at l'Ecole.

Volumes could be written upon this grand l'Ecole des Beaux Arts, the cherished school of France, the source indeed of its aspirations. It exerts, too, a universal influence. It has legions of admirers in all countries for the simple reason that its teaching is on the broadest lines, personality is freely developed, eternal principles are evolved from its works, which extends beyond the frontiers and pass current in all countries.

Like everything really great, however, l'Ecole des Beaux Arts sometimes excites small jealousies and is even attacked, but its principle is never to reply, for its detractors are too often proved to be disgruntled or unsuccessful artists, or those incapable of penetrating and understanding its elevated principles.
A Legend of Lorette.

The little house just over there with the steep roof that come almost to the ground, it is that of Pierre Lacroux. It was last Noel that the Child came to him. All of the summer old Annette had not been well. She cough and it is hard for her to go up to the little église. The winter came early that year. The fur of the foxes was thick and the otter's coats showed white even in the early November. She got worse and at last she have to go to bed. Pierre he work round but it is ver' hard an' he get much discouraged. Le curé he come and set by Mere Annette and he talk of le bon Dieu and read from the Missal but she get no better. And Pierre he get more down in the heart — and Noel coming. Surely no one should be sad at Noel! Why he first see Annette on a Noel eve a — cingant deux winter ago at Jean la Franch's dance in St. Étienne. All should be glad for to welcome the Child; and here all was so weary. I saw him some cinq days, or week perhaps, before Noel and his eyes shone and his face was all light and he say, "I have seen Him. Last night he came all quiet and light — and he say to go offer to St. Anne and that will cure Annette. So today I will start." But the way it was all cover with snow and St. Anne was thirty, forty mile down to the big river. But he would go. He start all alone and he no fear, for he say, the Child told him to go — He would take care of him. When he was young man he had save from the logging seven, eight louis d' or for the last; and now he go to give it to St. Anne. He walk along and now and then the boys give him ride. As he get just near St. Anne he meet a young man all pale and out of breath, and Pierre ask him what for he run. Somehow Pierre he so mild that the boy tell him all like he been a curé — how at Jaques Lasalle's break-up he drink good deal and he get mad at Joel Cyr. They had fight. He loose his head and he stab him — maybe kill him. Le bon Dieu know he did not mean it. And now he run, for if they catch him they will kill him. And he must get across the big river before night comes. In the States, perhaps, he would find work, and have masses sung for Joel Cyr. Old Pierre he thought and then he take out the little bag with the louis and give him and tell him to go and try to do better; and if any come after he will send them on wrong. Le pauvre young man kneel down in the snow and Pierre he bless him and then he walk on slow to St. Anne de Beau Pré. But will she hear him with no offering. Jaques Lasalle and the men did come but he send them to Duquesne. And after they were gone he ver' sad for sure the good St. Anne would not listen now that he had no offering to give, and a fresh sin on his soul; Still he went on. Toward evening — the eve of the blessed Noel — he reach the church. And he went in with the happy crowd. But he was ver' sad and he pray and pray. He hear the calm voice of the priest and then he hear them chant the Magnificat. Then the little bell far off amid the green and the little candle lights rings in the joyous Noel and the boys sing "Adeste Fideles" and somehow he was not so sad. And was that not the real Child up there — just above the manger? And did he not smile at him. Surely the St. Anne would forget the words said to save the poor boy. And it was so, for when he got back to the cottage Mother Annette was waiting to greet him.

Hockey Team.

An attempt is being made to form another Hockey team this year. Last year the failure of the winter to materialize gave the team no chance to show its abilities. This year let us hope that there will be more cold weather. Only a few men came to the meeting, but there were enough from which to develop a team, so it was decided to go ahead. The team is planning to try to get the land back of the Pierce Building for a practice field and have it flooded. It is unknown to what an extent these plans will be carried out, but from the expressed hope of the President to turn this land into an athletic field, it seems probable that the hockey team has a future. F. F. H. Smith, '02, was elected captain, and H. A. Stiles, '03, manager of the team.

"Awful crush over there on Chapel Street."

"What's the trouble?"

"Just a steam roller going up the street."
Basket Ball.

Technology is following the lead of other colleges and universities, preparations being made last week for the formation of a basketball team. The matter was first brought before President Pritchett for consideration and he stated that if a sufficient number of men interested in the game could be found, he would give the team his support.

At the meeting held in Room 11, thirty men were present and enough more had stated their intention of trying for the team to raise the number to nearly fifty. This was considerably more than the limit set by Dr. Pritchett. With this showing, an organization was at once formed and John F. Fell, '03, of Newark, N. J., was elected temporary captain, with H. F. Peaslee, '03, of Plaistow, N. H., manager. The team has already started in practising at the gym.

It will be strange if out of this number of men five cannot be picked who will be able to successfully represent Tech in meetings with other colleges. It will be a novelty this year, but many of the candidates have played on Y. M. C. A. teams, and so have had valuable experience.

Manager Peaslee has been granted the free use of the Normal School Gymnasium and is endeavoring to secure a good coach for the team. Eighteen men practiced last Friday and many more have promised to come out this week. There is excellent material at the Institute and the men hope to make a good showing in the games to be played next term. Manager Peaslee will at first schedule games with Y. M. C. A. teams, but after the team is in shape, he expects to arrange matches with Columbia, Yale, Amherst, Dartmouth, Williams, and other colleges.

Election of Foot Ball Captain.

At a meeting of the Foot Ball Team held last Friday, H. K. Hooker, 1902, was unanimously elected captain for next season. Hooker lives at Wellesley Hills, and before entering Technology played on the Maugus Athletic Club Team of that place for three years. In his Freshman and Sophomore years he played on his class team, and when he tried for the Varsity this year was immediately given a place. Right end is Hooker's regular position, but when Maxson was unable to play, Hooker filled the position of quarterback creditably, and ran the team well. He tackles hard, gets down the field well on punts and always plays a sure, steady game. Hooker has the confidence of every man on the team, and under his captaincy Technology should have a successful season in 1901.

Pan-American Sports.

The President of the Pan-American Exposition recently appointed a Committee on Sports, as follows: Jesse C. Dann, Chairman, Dr. Charles Cary, J. McC. Mitchell, John B. Olmsted, Charles M. Ransom, Seward A. Simons, Wm. Burnet Wright, Jr.

Soon after its appointment the Committee invited the following named gentlemen to act as members of an Advisory Committee on Amateur Sports: Hon. Theodore Roosevelt, Walter Camp, C. C. Cuyler, C. S. Hyman (Canada), C. H. Sherrill, A. A. Stagg, Benjamin Ide Wheeler, Casper Whitney. The appointment of this Advisory Committee emphasizes the desire of the Committee to have all amateur competitions occupy the highest possible plane.

The Stadium, with a seating capacity of 12,000 is beautiful in design and promises to be one of the most successful architectural creations of the Exposition. It will surround a quarter-mile track with ground area ample for the requirements of all the events proposed.

As to the nature of the athletic events planned, it may be said that amateur sports of all kinds will be encouraged as representing the most desirable of athletic competitions,
and the members of the Committee on Sports, being college graduates, particularly wish to make a special feature of College sports. In the management of Inter-Collegiate events, it is the desire of the Committee that the various College Associations be invited to undertake as far as possible the arrangement of the necessary details connected therewith.

Although amateur sports will comprise a large part of the programme, it is proposed to have such a number of professional events as will allow visitors an opportunity to witness the athletic skill of the best professionals. The character of prizes that will be offered has not yet been definitely determined upon, but assurance may be given that prizes will be awarded of value as lasting souvenirs of athletic success at the Exposition.

It is proposed to arrange a number of college baseball and football games, and it is especially desired by the Committee that the Eastern Inter-Collegiate (I. A. A. A.) Track Meeting be held in Buffalo next year.

An ideal programme might be to hold in the Stadium the Eastern Inter-Collegiate Meeting, then the Western Inter-Collegiate Meeting; these to be followed by a Pan-American Meeting open to competitors in the two previous meetings and to representatives of other Inter-Collegiate Associations.

Other Inter-Collegiate events have been considered, such as la crosse, cross country running with start and finish in the Stadium, etc.

The Committee on Sports hopes that the Exposition may have a full college representation. It is proposed to hold many other sports in the Stadium, the A. A. U. Championship, tennis, la crosse, cycling, association football, water sports, trap and target shooting, etc.

All communication should be sent to Jesse C. Dain, Chairman, 433 Ellicott Square, Buffalo, N. Y.

'82. George L. Heins, IV., has been appointed State Architect of New York.

'84. H. F. Baldwin, II., is now chief engineer of the Chicago and Alton Railway, Monadnock Building, Chicago.

'85. George F. Steele, VI., is second in control of one of the big divisions of the General Electric Company at Boston. Since he left Tech, Mr. Steele has earned a success due to his practical business methods, and his capabilities have been thoroughly appreciated.

'86. Alfred W. French, I., is president of the French Oil Mill Machinery Company, Piqua, Ohio.

'91. Francis Walker, IX., has been appointed Professor of Political and Social Science at Adelbert College, Cleveland.

'94. Clarence D. Pollock, I., and George A. Taber, I., are assistant engineers with the New York Rapid Transit Company.

'96. Hermann V. Von Holst, IV., is head draughtsman with Shepley, Rutan, and Coolidge, Chicago.

'97. Charles L. Hammond, I., is with the Civil Engineer Department of Yards and Docks at the Portsmouth Navy Yard.

'98. H. L. Coburn, II., has been with Lockwood, Green and Company, Boston, for some months. He is designing steam-power plants for cotton mills.

'99. Samuel B. Robertson, I., is with the Engineer of Maintenance of Way, Pittsburg Division of the Pittsburg, Cincinnati, Chicago & St. Louis Railway.

'00. Ingersoll Bowditch, I., is rodman for the Ludlow Manufacturing Company, Ludlow, Mass.
The Lounger has always been of the opinion that it was customary to look upon the Co-eds at Tech in the light of, well,—not exactly necessary adjuncts, but in the light of recent events he has been led to believe that his ideas are erroneous and that the co-educational faction occupies an elevated place in the student ideals. Take for example a hypothetical case, as The Lounger does not wish to show up particular idiosyncrasies of individuals too prominently. Suppose, then, that a certain Sophomore, knowing this to be his last year in the realms of science, was suddenly seized with an ambition to capture a "T." Imagine also that this wily Soph. gathers his particular chums, and using them for party whips, drives into a room an assemblage of his satellites for the obvious reasons of forming,—let us say—a basket-ball team.

Then the enterprising Sophomore was himself elected to a high position and caused the motion to be made to petition the Advisory Council for T's, before even a team had been organized. Suppose that another student, well known for his tender leanings in the direction of the fair sex, had arisen, and, in a touchingly eloquent oration, which brought out in the most practical manner the obstructions standing in the way of the Co-ed's obtaining T's, had dashed to the ground the hopes of the Sophomore chairman by moving that the Co-eds should be allowed to try for the team. The chairman, though his heart was stirred to its depths by the powerful speech, and although the students present could hardly restrain their nervousness, tried in every way to block this motion, but the meeting would not adjourn; it was of no avail, and when the question was put, the tremendously enthusiastic vote carried such determination in its note, that it even caused the Secretary to come trotting in with a request from the Corporation, then meeting in the President's office, that a standing vote should be taken. The Lounger has tried to imagine how the competition for places on the team could be satisfactorily carried on, and has finally reached the conclusion that a combination of such excellent material as Tech men and Tech Co-eds would bring about a team playing in such harmony that nothing could withstand it.

It is difficult to preserve equanimity under all occasions, and The Lounger is one of those to whom the sight of the venerable board coverings placed on the steps of Rogers is as impressive as it is pathetic. It is, however, some consolation that the historic invitation offered by the authorities has been kindly accepted by Nature who promptly returned courtesies with a slight snow-fall the day after the coverings were laid down. It was a microscopic snowfall, but enough, nevertheless, to prove the value of the coverings as a weather register. Winter is now officially inaugurated and all unfinished pursuits such as Fall Tennis Tournaments will now go into winter quarters to await resurrection next spring. It is sad to think that these ancient coverings must herald such unpleasant phenomena as snow storms and semi-annual examinations. But this season has its consolations, and The Lounger must admit that a week's vacation at this time of the year is a fact exhilarant enough to make even the Bursar feel sentimentally inclined. And when The Lounger comes back to sit again on the Natural History Building steps with the Junior Class in accordance with the custom which has become fixed, it will be with a better appreciation of winter and of the old board-coverings then he has so far had.

The Lounger's conservative tastes received a rude shock on Thursday last when he was so bold as to open a Tech. The Lounger has always thought, and, whether justified or not, it has been a sweet pipe dream, that his small contribution of two columns per, was in a class of its own and beyond the ordinary cheap Freshman literature with which the rest of the paper was filled up. If The Lounger out of the sadness of his heart uses expressions derogatory to the production of his fellow editors, he hopes the great provocation may serve as an excuse, but when he is rudely taken from his proper position and transferred, without so much as "By your leave," to a place opposite locals and alumni notes, he sees nothing remaining for him to do but follow the example of his pictorial representative and turn his back on them.

Oh, woe! Oh, woe! that The Lounger heeded not that adage, "Do not count your chickens, etc." and, reckoning without his host, broke forth in exuberant jubilancy and thanksgiving over the fact that he would not have to buy any more books until after Christmas. He takes it all back for he forgot about Hal, Jr., and his notes on Theoretical Electricity and Professor Pear's most extended treatise on The Mode of Minimum Equilateral Rectangular Parallelograms. The only thing he is thankful about is that he did not learn the great calamity which was to befall him in time to spoil his Thanksgiving dinner. Such is life!
Young Men...

Will find our Stock replete with Latest Novelties in: RAIN COATS, FANCY VESTS, TUXEDOS, SUITS, OVERCOATS.

Our Special Hat, Style 2525 is equal to most hats sold for three dollars.

$2.00

Continental Clothing House, Washington and Boylston Streets.

Boston's Newest Hotel.

THE LENOX, Boylston and Exeter Sts., BACK BAY.

250 Rooms - 125 Bath Rooms - Fire Proof, European Plan. ... $2.00 and Upwards.

URIAH WELCH, For many Years Proprietor of The St. Nicholas, New York.

Priest's Dining Rooms, 102 DARTMOUTH ST.

21 Meal Tickets, $4.00
7 Noon Dinners, 1.20
7 Dinners, 1.50
OPEN UNTIL MIDNIGHT.

Draper & Doane, 51 SUMMER ST.

Oculists & Opticians. Every attention shown those in need of Glasses. We bring the services of an

OCULIST within the reach of all, Highest grade of work at Prices that are fair.

SPECIAL DISCOUNT TO TECH STUDENTS.

In writing advertisers kindly mention THE TECH.
Something New in This Country.

The Riverside Recreation Grounds,
ON THE
Charles River at Riverside, Mass.

CANOEING, SWIMMING, POOL, RUNNING TRACK,
TENNIS, FIELD FOR BASEBALL AND FOOTBALL,
OUTDOOR GYMNASIUM, BOWLING ALLEYS,
CLUB HOUSE WITH RESTAURANT,
DANCING PAVILION, CLUB ROOM,
PRIVATE CLUB PARLOR, STORAGE FOR 500 BOATS.

Membership — $10.00 a Year from April 1, 1901.
Canoe Racks — $5.00

Send for application blank and circulars to
JAMES B. KNOWLTON, Manager, Auburndale, Mass.

An investigation of our lines will show that for scientific design, workmanlike finish and high efficiency our apparatus is far superior to any other. Send for catalogues and list of references in connection with the line in which you are interested.

The services of our Engineering Department are at the command of our patrons giving them the benefit of the experience of experts in designing Heating, Ventilating and Drying Plants.

American Blower Company,
DETROIT, MICH.

NEW YORK: 141 Broadway. CHICAGO: 1550 Marquette Building. LONDON: 70 Gracechurch St.

In writing advertisers kindly mention THE TECH.
Week Commencing December 17, 1900.

NOTE.—Christmas matinees will be given at all the theatres.

Hollis Street Theatre. — Louis Mann and Clara Lipman will continue in "All on Account of Eliza," for the rest of this week. Next week Nat Goodwin and Maxine Elliott will present Esmond's most successful comedy, "When We Were Twenty-one." A warm welcome awaits them for this is their first appearance for almost two years.

Colonial Theatre. — "Ben Hur" opens at this new theatre tonight. Its success is assured as the advance sale of seats has been phenomenal. The play is so well known after its famous New York engagement that nothing need be said about it.

Tremont Theatre. — Mr. E. S. Willard will give the following this week: Thursday and Saturday evenings, "The Middleman;" Friday evening and Saturday matinee, "The Professor's Love Story." Next week he will give "The Rogue's Comedy," with "David Garrick" for Christmas matinee.

Boston Museum. — "Hearts are Trumps," has already scored a gigantic success. It is a frank, old-fashioned melodrama presented in a modern way. The company is good and the constantly changing scenes are elaborate and beautiful. No one should miss seeing this.

Columbia Theatre. — On Saturday evening of this week Manager Chamberlyn will present Barnet's great extravaganza success, "Miladi and the Musketeer." A fine chorus, good scenes, and many specialties are promised. The run will continue for several weeks.

Castle Square Theatre. — "The Great Ruby" will be given for the last time next week. The play has become very popular in Boston and the Castle Square Company have certainly done it full justice. The scenes are superb. The next attraction is "A Young Wife."

Boston Theatre. — This is the last week of "Quo Vadis." Next week the "Belle of Bohemia" will be given. The company includes Sam and Dick Bernard.

If you want the best, purchase a Waterman's Ideal Fountain Pen. For sale by the Co-operative Book Store and dealers everywhere.

S. SIMONS, Leading College Shoe Man.
Low Black Calf a Specialty.
46 Charles Street, and 45 River Street,
BACK BAY, BOSTON.
A. S. ADAMS
Maker of the Official
M. I. T. Pin
8 Winter St., BOSTON.

THOMAS HOOPER,
Maker of
CUSTOM SHIRTS,
352 Washington Street, BOSTON.
Telephone 2902 Boston.

Landers’
Famous Coffee House
and Lunch Room.....

For Ladies and
Gentlemen.

Our Coffee is Unequalled in the City.

189 Columbus Ave., cor. Berkeley.
695 Washington Street.

I. N. LANDERS, Proprietor
H. E. SANDERS, Manager

MISS POST,
Dancing and Deportment,
Pierce Hall, Copley Sq.,
PRIVATE LESSONS AND CLASSES.
Office hours from 9 to 11 a.m.

S. C. KEITH, JR., '93,
BACTERIOLOGIST
AND CHEMIST,
394 Rutherford Ave., CHARLESTOWN, MASS.

Flowers.
The Thorndike Flower Store,
230 BOYLSTON STREET,
Next to the Thorndike.
Tel. 107 Back Bay.

Candies.

SPECIAL DISCOUNT TO STUDENTS.

GYMNASIUM
Physical Training.
Keep in good condition by
using our Gymnasium.

Boston Young Men’s Christian Association,
Boylston and Berkeley Streets.
Terms for Non-Resident Students, $8.00 for College Year,
Including all other privileges of the Association.

FULL TERMS, $10.00 per year.
Medical Supervision; Fine Apparatus; Convenient Lockers; Frequent Classes; Free Instruction: Shower, Sponge, Spray, and Steam Baths; Running Track (raised corners.) Open 9 A.M. to 10 P.M. Massage Department (services reasonable.)

ROBERT J. ROBERTS, Sr., Director.
GEO. L. MEYLAN, M.D., Medical and Physical Director.
N. E. SANDERS, A.B., Assistant Physical Director.
W. H. BENNETT, Asst. Physical Director.

GEORGE W. MEHAFFFEY, General Secretary.
The Bath's the Thing.

TURKISH BATH

Removes all impurities, clears the brain, and sends the blood tingling through the body. The best baths in Boston are the

TREMONT TURKISH BATHS,
Adolph Lundin, Prop. 176 Tremont St., Boston.
Under the Tremont Theatre. Tel. 625 Oxford.

Young's Hotel
Parker House
Hotel Touraine
BOSTON, MASS.

J. R. WHIPPLE & CO.

Wright & Ditson, LEADING BASEBALL OUTFITTERS.
Wright & Ditson's Intercollegiate Base Ball is specially adapted for school and college matches $1.25
Wright & Ditson's League Ball ... 1.00
Wright & Ditson's League Bats are finely balanced, thoroughly seasoned, and are hard drivers ... 75
League Bat ... 75
College Bats ... .50
Amateur Bats ... .75
Extra Large ... .25
Ordinary Size ... 5.00
Best Baseeman's Mit ... 4.00
Best Fielder's Glove ... 2.50

WRIGHT & DITSON, 344 Washington St., Boston.

ALL GOODS REQUIRED BY STUDENTS AT

Maclachlan's,
214 Clarendon Street.

Drawing Instruments and Materials, etc.
Fountain Pens, Text Books.

Royal
Dairy Lunch,
11 & 12 Park Square,
BOSTON.

A. C. STONE, Proprietor,
C. H. MANSFIELD, Manager.

OPEN ALL NIGHT.
LUNCHES put up to take out.

EGYPTIAN DEITIES

"NO BETTER TURKISH CIGARETTES CAN BE MADE"

In writing advertisers kindly mention THE TECH.
Students, Attention!

At TRINITY COURT PETIT LUNCH, one minute's walk from Technology buildings, you can get the best and at the most reasonable prices in Boston. Service and cuisine unexcelled.

TRY US.

Patented Perfect Fitting
MAC-HURDLE
FULL DRESS SHIRT

Never bulges no matter under what condition of body posture it is worn.

Ask for "LION BRAND" Shirts, Collars and Cuffs. Made to fit each other.

United Shirt & Collar Co.,
Makers,
TROY, N. Y.

THE BRUNSWICK,
BOSTON.

Boylston and Clarendon Streets,
(Adjoining Copley Square.)

Near the Museum of Fine Arts, New Public Library, New Old South Church, and opposite Trinity (Phillips Brooks') Church and Institute of Technology.

KEPT ON BOTH AMERICAN AND EUROPEAN PLANS.

BARNES & DUNKLEE, Proprietors.

H. H. BARNES, Manager.

St. Botolph Hall Cafe
38 St. Botolph Street.

Service and Cuisine Unexcelled.

G. R. HOWARD.

In writing advertisers kindly mention THE TECH.
Compliments of Friends.

In writing advertisers kindly mention THE TECH.
COCHRANE CHEMICAL CO.,
55 KILBY STREET, BOSTON, MASS.

Manufacturers of

<table>
<thead>
<tr>
<th>Product</th>
<th>Product</th>
<th>Product</th>
<th>Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>OIL VITRIOL</td>
<td>MURIATE TIN</td>
<td>BISULPHATE SODA</td>
<td>IRON LIQUORS</td>
</tr>
<tr>
<td>MURIATIC ACID</td>
<td>AQUA AMMONIA</td>
<td>BISULPHITE SODA</td>
<td>NITRATE IRON</td>
</tr>
<tr>
<td>NITRIC ACID</td>
<td>SULPHATE AMMONIA</td>
<td>ALUM</td>
<td>NITRATE COPPER</td>
</tr>
<tr>
<td>ACETIC ACID</td>
<td>EXTRACT INDIGO</td>
<td>POROUS ALUM</td>
<td>STANEATE SODA</td>
</tr>
<tr>
<td>AQUA FORTIS</td>
<td>GLAUBER'S SALT</td>
<td>SULPHATE ALUMINA</td>
<td>HYPOSULPHITE SODA</td>
</tr>
<tr>
<td>TIN CRYSTALS</td>
<td>SULPHITE SODA</td>
<td>CHLORIDE ALUMINA</td>
<td>And other Chemicals</td>
</tr>
</tbody>
</table>

Business Founded 1849.

WORKS AT EVERETT, MASS.

Richardson, Hill & Co.,

BANKERS AND STOCK BROKERS,

40 WATER STREET, BOSTON, MASS.

Stocks and Bonds Bought and Sold in All Markets.
Commercial Paper Negotiated.

S. L. HOLT & CO.
67 SUDBURY ST., BOSTON.

Watertown High Speed
Direct Connected Engines

FOR...
ELECTRICAL PURPOSES.

Send for Quotations.

S. L. HOLT & CO.

The State National Bank of Boston
40 State Street, Boston, Mass.

Depositors and Correspondence have the Security of a Large Capital and a Conservative Management.

$2,000,000 Capital. $600,000 Surplus and Profits.

WANTED.

Men for the Artistic Staff of
THE TECH.

OFFICE HOURS:
Editor-in-Chief, Monday, 10-11 A.M.
Business Manager, Saturday, 12-1 P.M.

In writing advertisers kindly mention THE TECH.
THE OTTO GAS ENGINE WORKS,
ENGINEERS AND BUILDERS OF
Highest Type of Gas and Gasoline Engines,
OF ALL SIZES UP TO 100 H. P.

T. F. MARSHALL, General Agent Eastern New England,
Telephone Boston 2592. 19 Pearl Street, BOSTON.

C. A. DODGE & CO., Builders,
Master Builders' Association: 166 Devonshire Street,
BOSTON, MASS.

WINDSOR CEMENT CO'Y., MANUFACTURERS' AGENTS
King's Windsor Cement Dry Mortar for Plastering Walls and Ceilings—
MASONS' and PLASTERERS' SUPPLIES.

C. A. DODGE.
C. L. WILLIAMS.

Office, 79 Milk St. Wharf, 244 A St.

Represented by L. WINIFIELD MARSHALL.

IRA O. GOODRICH, Pres't & Treas. Telephone
WALTER S. RAY, Secretary. 99 Tremont.

FLEXIBLE CONDUIT
MANUFACTURERS FOR
Flexible Interior Conduit,
SELLING AGENTS FOR
Trade
Boston - ELECTRODUCT - Co.
Mark
Chelsea, Mass., U. S. A.

In writing advertisers kindly mention THE TECH.
New England Adamant Co.,
MANUFACTURERS
ADAMANT WALL PLASTER
79 Milk Street, Room 25, BOSTON, MASS
Telephone, Boston 3517.
W. B. BANIGAN, General Manager.

BOSTON THREAD AND TWINE COMPANY,
FLAX SPINNERS,
John Hancock Building:
178 Devonshire and 35 Federal Streets, ... Boston, Mass.

WOLLASTON FOUNDRY CO.
Manufacturers of
Piano Plates and
Fine Machinery Castings.
FOUNDRY AT WOLLASTON.
A. A. LINCOLN, 116 BEDFORD STREET, TREASURER.
BOSTON.
At Office from 12 to 2 Daily.

GET YOUR
Christmas Candy
at
BRUMMELLS,
Opp. Public Library. 20 Huntington Ave.

ADAMS HOUSE,
EUROPEAN PLAN.
Washington Street, BOSTON.
GEO. G. HALL, Proprietor.

"Wherefore Spend Money for That Which SATISFIETH NOT?"

Bright BUY | Boston's Best
The Crocker Pen.
IT FILLS ITSELF!
INSULATED, VENTILATED, REGULATED,
RELIABLE, CLEAN.

Best Selling Fountain Pen
ON THE MARKET TODAY.
SEE IT, and You'll Understand Why.
TRY IT, and You'll Never Write With Any Other.
CROCKER PEN CO., 113 Devonshire St.

In writing advertisers kindly mention THE TECH.
C. F. Hovey & Co.,

Importers and Retailers of

Dry Goods

Full lines of Gentlemen's Furnishing Goods.
Fine Custom Made Shirts a Specialty.

Nos. 33 Summer St., and 42 Avon St.,
BOSTON.

An Efficient Force

Yes, we have a whole army of salespeople, so that all shall be waited upon promptly and properly during the last few days before Christmas — and our

Stupendous Stock

is still complete — everything you thought of to give as a gift is here — and hundreds of others — and what’s more we have big, broad

Commodious Avenues

so that there will be no crowding or pushing — but would advise you to come early in the morning if convenient.

Jordan, Marsh & Co.

In writing advertisers kindly mention THE TECH.
Government Bonds

Railroad Bonds
Municipal Bonds

Harvey Fisk & Sons,
19 Congress St., Boston.
29 Nassau Street, New York.

Chas. Head & Co.,
STOCK BROKERS,
53 State St., Boston,
17 Broad St., New York.

CLINTON WIRE CLOTH CO.
SOLE PROPRIETORS AND MANUFACTURERS OF
WIRE LATH

Double Twist Warp, Stiffened (Iron Furred)
Stanley Corrugated, Stevens Rigid.

Plain, Japanned or Galvanized.

The most Perfect and Economic
FIRE PROOF Construction.

SEND FOR CIRCULAR.

BOSTON, NEW YORK, CHICAGO,
Sears Bldg. 76 Beekman St. 137 Lake St.
FACTORY—Clinton, Mass.

HOLMES & BLANCHARD CO.,
Manufacturers of Machinery for
Crushing, Grinding, Mixing, Screening, Granul-
ating, Pulverizing, Conveying, Elevating.

Electric, Hydraulic and Belt Elevators.
Millwrights, Machinists, and Mill Furnishers.

36 to 39 Charlestown Street,
BOSTON.

In writing advertisers kindly mention THE TECH.
BROKEN BRIC-A-BRACS.

Mr. Major, the famous cement man, of New York, explains some very interesting facts about Major’s Cement. The multitudes who use this standard article know that it is many hundred per cent. better than other cements for which similar claims are made, but a great many do not know why. The simple reason is that Mr. Major uses the best materials ever discovered, and other manufacturers do not use them, because they are too expensive and do not allow large profits. Mr. Major tells us that one of the elements of his cement costs 3.75 cents a pound, and another costs 3.65 cents a gallon, while a large share of the so-called cements and liquid glue upon the market are nothing more than sixteen-cent glue, dissolved in water or citric acid, and, in some cases, altered slightly in color and odor by the addition of cheap and useless materials.

Major’s cement retails at fifteen cents and twenty-five cents a bottle, and when a dealer tries to sell a substitute you can depend upon it that his only object is to make larger profit. The profit on Major’s cement is as much as any dealer ought to make on any cement. And this is doubly true in view of the fact that each dealer gets his share of the benefit of Mr. Major’s advertising, which now amounts to $5,000 a month, throughout the country. Established in 1876. Insist on having Major’s. Don’t accept any off-hand advice from a druggist.

If you are at all handy (and you will be likely to find that you are a good deal more so than you imagine) you can repair your rubber boots and family shoes, and any other rubber and leather articles, with Major’s Rubber Cement and Major’s Leather Cement. And you will be surprised at how many dollars a year you will thus save. If your druggist can’t supply you, it will be forwarded by mail; either kind. Free of postage.

DR. ALPHEUS R. BROWN,

DENTIST,

201 CLARENDON ST., BOSTON. Telephone,

Next to The Brunswick. No. 1431-2 Back Bay.

F. L. DUNNE,

Maker of——

Men’s Clothes.

CORRECT

LONDON NOVELTIES

FOR EVERY

OCCASION.

Sporting Garments

OF ALL DESCRIPTIONS.

Transcript Building, 328 Washington St.,

BOSTON.

THOMAS A. TURNER

TAILOR

825 BOSTON

Boston, Mass.

Discount to Tech Students.

MEMBER OF THE CO-OPERATIVE SOCIETY.
Tech. Class Photographers.

Notman Photographic Co.,
384 BOYLSTON ST.,
and 3 PARK ST.
Also 1286 Massachusetts Ave.,
Cambridge.
Special Rates to all Tech Students.

J. C. LITTLEFIELD,
Tailor and Outfitter,
12 Beacon Street,
Boston.

I can offer you a larger and more complete assortment
than can be seen elsewhere, and at lower prices for the
same qualities. Look in and examine my prices before
placing your order.

Golf Breeches, Riding Breeches, and Dress
Suits a Specialty.
DISCOUNT TO STUDENTS.

MARKS COMPANY,
Merchant Tailors,
6 BEACON STREET,
(Opp. head of Somerset St.)
WE CLAIM TO BE ABLE TO
PLEASE EVERYBODY.
YOU WILL FIND, ON EXAMINATION, 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.

Useful
Holiday Gifts
For
Students.

Bath Robes,
Gloves,
Neckwear,
Dress Vests,
Jewelry,
Shirts,
Collars and Cuffs.

KEEP MANF’G. CO.,
156 TREMONT STREET,
(Near West.)