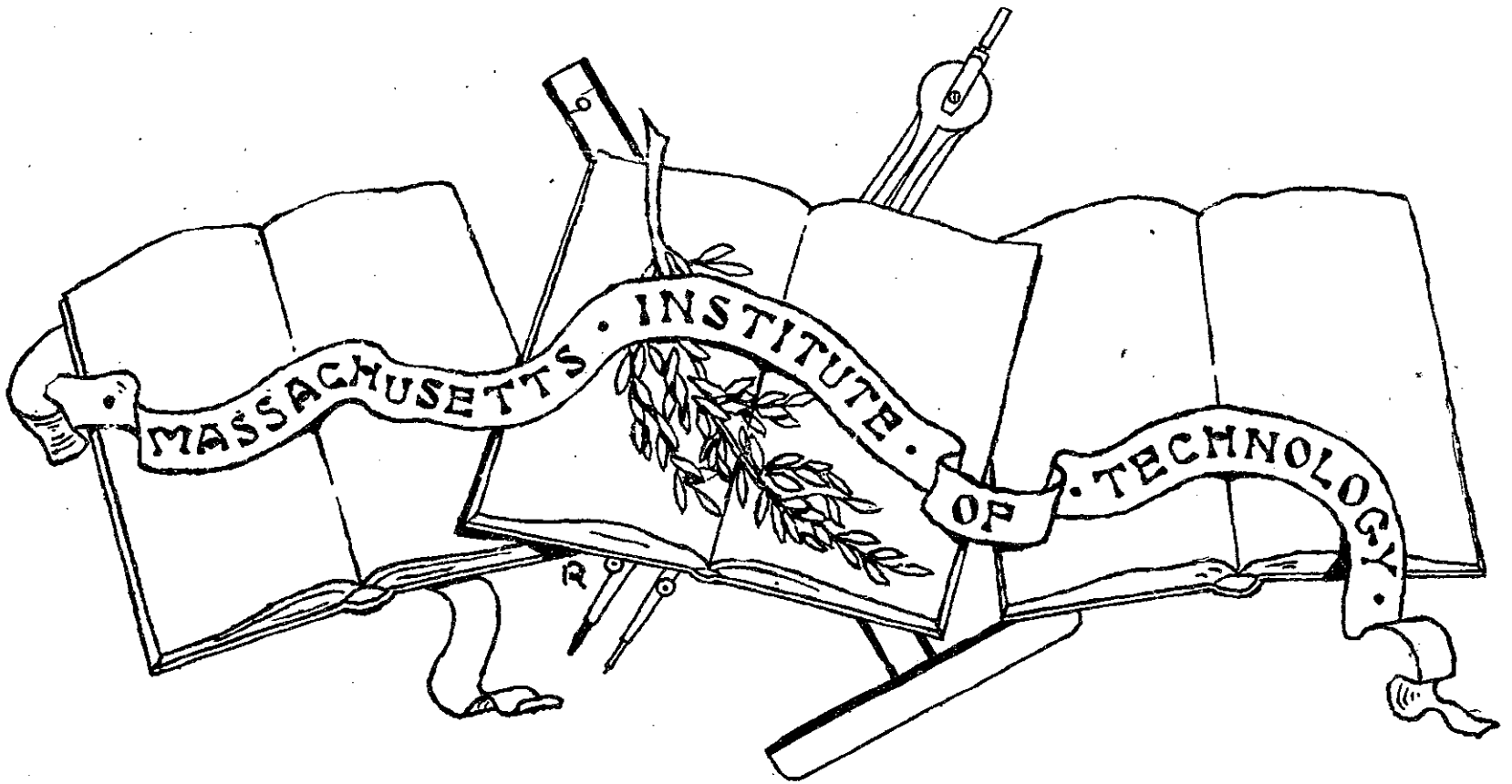
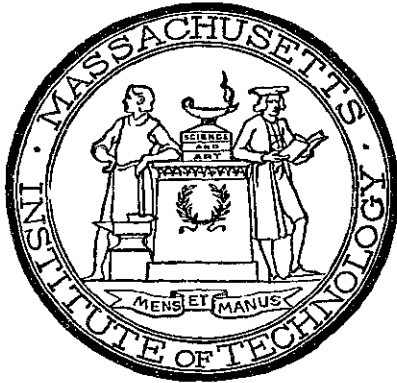


THE TECH



BOSTON, MASS.

VOLUME XVI.

NUMBER 14.

JANUARY 7, 1897.



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THE TECH

VOL. XVI.

BOSTON, JANUARY 7, 1897.

NO. 14

FRANCIS AMASA WALKER was born in Boston, July 2, 1840. Soon after, his father, Amasa Walker, a political economist of great note, moved to the family place at North Brookfield, and here the son began his education. He completed his preparation for college at the academies of Lancaster and Leicester, and entered Amherst at fifteen. He lost a year on account of ill health, and graduated in 1860 a *Phi. Beta. Kappa* man and a member of the *J. K. E.* fraternity. He studied law for a short time in the office of Devens & Hoar, in Worcester, but on the breaking out of the war, in 1861, enlisted as sergeant major under Colonel Devens. In September of that year he was transferred to the position of brigade adjutant general under General D. N. Couch, with the rank of captain. The division fought at Williamsburg, Fair Oaks, and Malvern Hill, and for his brilliant services Captain Walker was promoted to the rank of major, in August of 1862, and in January of the next year the President appointed him lieutenant colonel. He now held the office of corps adjutant general, and was commended by his commander for his services at the battles of Fredericksburg and Chancellorsville. In the latter engagement he was seriously wounded, and only returned to the field in the autumn, with the rank of brigadier general. He served in the battles of Auburn, Bristol Station, and Mine Run, and in the Wilderness and Petersburg campaigns in 1864. At the little battle of Ream's Station he was taken prisoner, and after an escape, was recaptured and taken to Libby Prison. The hardships of his life there so told upon his constitution, that after his exchange he resigned from the service he had honored, in January of 1865.

His position as a staff officer gave him a peculiar grasp of the plan of action, of the engagements in which he took part, and this knowledge he made use of later in the "History of the Second Army Corps."

General Walker took an instructorship in Latin and Greek at Williston Seminary, which he held for three

years, until in 1868 he became an editor of the *Springfield Republican*. Here his chosen work was like that of his father, Political Science and History; and his achievements in this field gained him the position of Chief of the Bureau of Statistics at Washington, in 1869. In 1870 and 1872 he was superintendent of the ninth census, and in 1872 commissioner of Indian affairs as well. In 1873 he accepted the professorship of Political Economy and History at the Sheffield Scientific School, of Yale University, and spent seven years very happily at New Haven, publishing a number of important works of finance, statistics, and Indian affairs. In 1876 he was Chief of the Bureau of Award at the Centennial Exhibition; and in 1878 he went as United States Commissioner to the International Monetary Conference at Paris. In the next year he obtained leave of absence from Yale, in order to organize and conduct the tenth census.

In 1880 Prof. William Barton Rogers, founder and first President of the Institute, was, on account of feeble health, looking for a successor, and almost immediately fixed on Professor Walker, who assumed his duties as President of the Institute of Technology, Nov. 1, 1881. In introducing President Walker to the Society of Arts, Professor Rogers said of him: "I have the fullest confidence, not only in his capacity for carrying out the hopes and purposes of this school, but of the hearty sympathy and earnest regard which he entertains for its past history and for its future development. I trust in him as I would trust in myself."

To President Walker's fifteen years of administration, the growth of the Institute of Technology from three hundred to twelve hundred students is a lasting monument. His position as an economist and as a citizen is indicated by his honorary degrees, and by the long list of public offices which he filled. His personal qualities are stamped as an inspiration on the hearts of all who ever came under his influence.



Francis A. Walker

THROUGH the tide of student life which daily ebbs and flows in the great hall of Rogers, has moved for fifteen years one beloved, commanding figure. Alert, erect, and strikingly handsome, always bending in graceful recognition of the shower of salutes which welcomed his appearance, he passed quickly on into the President's room.

This figure, now become a shade, a memory, was the students' friend and elder brother. The door of his room rarely closed behind him. As if in mute expression of his wish, it stood ajar, inviting all to enter. Happy they who entered in! A courtesy more courtly than that of courts awaited them; for no student ever left that room without the feeling that for a little while he had tasted of the upper air.

And now that noble figure is laid low. Mourn as they may,—city, state, and country,—it is his family and his Institute which mourn and will not be comforted, because he is not.

“I believe in the essential manliness of young men.” Who has not heard him repeat, from his fullest soul, this splendid element of his life's creed!

“The Institute is a place for men to work, and not for boys to play.” This was another of his sayings worthy to be cherished by all who would keep bright the memories of the past.

At times like these, eager hands and loving hearts burn to show by some actual deed their sorrow and affection. But the best and most enduring tribute—and doubtless the one which would have been most acceptable to our beloved President—is the resolve that, come what may, we will acquit ourselves, so long as life remains within us, like men; that we will be loyal to all things good and true, and especially to our Institute,—his Institute,—which he loved so well.

Of his predecessor in the presidential office he has spoken words which we may apply to himself: “All his life he had borne himself most faithfully and heroically, and he died, as so good a knight would surely have wished, in harness, at his post, and in the very part and act of public duty.”

W. T. S.

THE increased interest in the Institute, and in each other, which has been aroused among our alumni during the present year is most encouraging. We have recently published various plans devised by different class organizations and groups of individuals, to arouse greater enthusiasm, and to obtain information as to the whereabouts of graduates. These have been heretofore largely among the younger men, but their influence has not been so confined as is shown by a circular which is being sent out among its members by the Class of '77. The circular calls attention to the fact that the next annual meeting will be held on Tuesday, February 9th, at Young's Hotel, and will be the twentieth anniversary of their graduation. On this account particular efforts are being made to secure a large attendance, and to make the meeting of especial interest. That all may be heard from, those who will be unable to attend in person are asked to contribute a letter to be read on the occasion. Attention is also called to the Technology Club, and it has been suggested that some regular night each month be arranged, so that any of the members who are in the city may dine there together.

In addition to these circulars, blanks have been sent out containing a number of questions on matters of general interest to the members of the Class, and it is intended to issue a directory of both home and business addresses, with a brief resumé of work since graduation, positions held in connection with professional work, and any municipal or state offices.

It is to be hoped that the enthusiasm for Alma Mater, which has given rise to this movement among several of the classes, and which has been aided greatly by the founding of the Technology Club, and a little, perhaps, by the establishment of the alumni column of THE TECH, may continue to grow until Technology is as far ahead of other colleges in this respect as she is in all others.

SOMEWHAT in line with the above-mentioned enterprise is the investigation carried on by the statisticians of the '98 "Technique." Circulars have been sent out by them to all Institute Alumni of twelve of the classes between '81 and '95, asking for yearly income, and class and course of graduation. A table of statistics can thus be prepared, showing the average salary paid to graduates of each course at different lengths of time after graduation. Over fifty per cent of answers have been received, which will furnish basis for very reliable statistics. Something of the sort was tried by the '95 Board, but the data obtained at that time were meagre. We are glad that this attempt has been more successful, for the results cannot but prove of great value.

THE musical clubs are to be congratulated upon their good showing of last Wednesday. "The best Home Concert in years" was the verdict pronounced by many, and indeed the clubs all did excellent work, the Mandolin Club perhaps bearing off the palm. An encouraging feature for the future was the large number of under classmen prominent in the organizations. This is always the case to a certain extent, men often making the clubs in their Freshman year and, sad to say, dropping off in their Junior year. Ninety-nine and 1900 appear to be more than usually strong in this line, however, and we hope that many of them will stick to it and keep the merit of the clubs up to its present level.

THE outlook of the Co-operative Society is at present very bright. The high esteem in which it is held as an organization was manifested by Secretary Tyler in requesting the management to take charge of the sale of drawing materials in the Engineering and Architectural Buildings. The last statement of the earnings of the Society in which it was shown that five hundred dollars were to be set aside for scholarships at Technology, puts it not only upon a broadly philanthropic basis, but also clearly indicates what can be done by students clubbing together for mutual benefit. By the beginning of next term it is promised that students can provide themselves with necessary materials for work without leaving the buildings, and that at very reasonable rates. The efficiency of the "Co-op" at Harvard acts as an incentive to those in charge of the Society at Tech. We commend the high aims of the latter, and wish them all possible success.

WHEN Manager Graham first tried to make arrangements for the team race with Brown, which is to take place at the B. A. A. games, he was met with very great reluctance. M. I. T., he was told, is not in Brown's class. When finally it proved impossible to get a race with Dartmouth, the Providence runners consented to try conclusions. From the fact that we won two out of three team races against Brown last year, it would seem that, if not in her class, we are in a somewhat higher one, and we have hope that this coming race will only add another proof of the fact.

Electrical Engineering Society.

ON Friday evening, January 1st, Mr. H. A. Carson, Course I., '69, now Chief Engineer of the Boston Transit Commission, addressed the Electrical Engineering Society. Through the courtesy of the Electricals the Civil Engineering Society was invited, and in

all there were present about one hundred and twenty-five men. Mr. Carson addressed his audience on the question of "Subways."

He began his talk by presenting facts as to the growing population in Boston, and threw upon the screen curves indicating the phenomenal increase in traffic during the past few years. He went on to discuss the relative efficiency and cost of elevated and underground methods of relieving the congestion in the down-town streets. The first cost of an elevated road would have been about one half of that for the present subway; but considerations such as future damages by abutments, have influenced the Commission to adopt the underground scheme as the best solution of the problem.

Mr. Carson compared the cross section of the Boston Subway with those of London, Blackwall, under the Thames, Glasgow, and Budapest; the merits of that of Boston seeming to prove its superiority over the others, both as to capacity and convenience.

The Commission is at present considering the advisability of introducing a new invention known as the Reno Continuous Elevator. This is an elevator designed to transport passengers from one level to another, with an angle of rise the same as that of an ordinary stairway.

In operation it is somewhat similar to the movable sidewalk of the World's Fair. The band upon which the passengers step is composed of an endless chain covered with rubber, for improved foothold and protection to those upon it from the action of the links.

A conical device is inserted at both top and bottom, in order to prevent the unpleasant shock and tendency to fall forward upon stepping from the elevator. This device also prevents any articles dropped upon the inclined walk from passing below the fixed floors at top or bottom. Mr. Carson received a letter from the inventor recently, in which it was stated that eighty-five thousand passengers had used his continuous elevator

at the Brooklyn Bridge, without a single accident. Three thousand passengers per hour in single file, is the capacity of the one in operation there.

Mr. Carson was roundly applauded at the close of the address, and was tendered a vote of thanks by the two societies.

An invitation was extended by Mr. Carson to those present, to visit the Subway some time during next week, when certain features of the work would be treated of more in detail than was possible in his talk. The Electrical Engineering Society were glad to accept this invitation, as at present the question of lighting the subway is one of considerable moment to the Engineers in charge. The date upon which this expedition will take place will be announced later.

The Glee Club Concert.

ON Wednesday evening, December 30th, the Glee, Banjo, and Mandolin Clubs gave their annual winter concert in Huntington Hall. The hall was tastefully decorated for the occasion with American flags and bunting. The programmes were exceedingly neat and attractive, being printed on white cardboard with a bow of the Institute colors tied in the upper right-hand corner. Although the center of the hall was well filled, the audience was not as large as it should have been, nor as the merit of the concert deserved.

The selections, which were all well rendered, were received with appreciation and applause, and the entire performance was very creditable to the Clubs. The fine work of Messrs. Clapp and Addicks in their banjeaurine and guitar selections, received a double encore, as did also the "Wandering Singers' Patrol," by the Glee Club. "The Dashing Grenadiers," in which the three Clubs appeared together, was rendered in a spirited manner, and, considering the small amount of time which the men have been able to give to its preparation, was well done.

The grouping of the men in front of the bright draperies in this selection gave a very pretty effect, and the selection is admirably adapted for a closing piece. The programme was as follows:—

1. March of the Guards Adam Geibel.
GLEE CLUB.
2. Belle of New York Clark.
BANJO CLUB.
3. Espanita, Spanish Waltzes Rosey.
MANDOLIN CLUB.
4. Pickaninny Lullaby J. C. Macy.
MESSRS. STURGEON, TUCKER, DODGE, AND JOHNSON.
5. Medley Arr. by Lansing.
BANJO CLUB.
6. Mandola Quartette, Waltz Theme, Lawrence Addicks.
MESSRS. HALL, J. E. HAZELTINE, A. E. ROBINSON, ADDICKS.
7. Simple Simon J. C. Macy.
GLEE CLUB.
8. Oriental Echoes Rosey.
MANDOLIN CLUB.
9. Duett, Banjeaurine and Guitar Selected.
MESSRS. CLAPP AND ADDICKS.
10. Wandering Singers' Patrol W. Willis Clark.
GLEE CLUB.
11. Zenda Waltzes Witmark.
MANDOLIN CLUB.
12. The Dashing Grenadiers Lakeman.
GLEE, BANJO, AND MANDOLIN CLUBS.

Semi-annual Examinations, 1897.

SUBJECT TO CORRECTION BY BULLETIN.

Exercises will be suspended for the first year on and after Monday, January 25th; for the second year on and after Friday, January 22d; for the third and fourth years on and after Monday, January 18th.

TUESDAY, JANUARY 19.

	A. M.	P. M.
4. Micros. Anatomy		1.00
4. Periodic Currents	9.00	
4. San. and Hyd. Eng.	9.00	
3. Mining Engineering	9.00	
3, 4. Polit. Economy		1.00
3. Social Reform		1.00

WEDNESDAY, JANUARY 20.

4. Applied Mech.	9.00	
4. English Literature		1.00
4. Org. Anal. and Prep.	9.00	

	A. M.	P. M.
3. Geol. (Struct. and Chem.)	9.00	
2. Physical Meas.*		1.00

THURSDAY, JANUARY 21.

4. Optics		1.00
3. Applied Mech.	9.00	
3. Theoretical Chemistry	9.00	

FRIDAY, JANUARY 22.

4. Hydraulics	9.00	
4. Hist. of Indust. Sci.		1.00
4. Organ. Chem.	9.00	
3. Physics	9.00	
1. Mech. Draw.*		1.00

SATURDAY, JANUARY 23.

4. Least Squares		1.00
4. Bridge Design	9.00	
4. Metallurgy, IV., V., X.	9.00	
4. Physiol. and Hygiene	9.00	
3. Arch. History	9.00	
3. Diff. Equations		1.00
2. Physics	9.00	
2. Int. Calc.*		1.00

MONDAY, JANUARY 25.

4. Comp. Physiology	9.00	
4. Dyn. of Mach.	9.00	
4. Elect. Meas. Inst.	9.00	
4. Oil and Gas Analysis		1.00
4. Structures, A	9.00	
3, 4. Quant. Anal.	9.00	
3. Volumetric Anal.	9.00	
3. Quaternions	9.00	
3. Valve Gears	9.00	
2, 3. American History		1.00
2. Political History		1.00

TUESDAY, JANUARY 26.

4. Climatol.		1.00
4. Elect. Eng.	9.00	
4. Hydraulic Measurements	9.00	
4. R. R. Engineering	9.00	
3, 4. Indus. Elec. Telegraphy	9.00	
3. R. R. Engineering	9.00	
3. Sanitary Chemistry	9.00	
3. Dyn. Elect. Meas.	9.00	
2, 3. English Lit.		1.00
1. Military Science	9.00	

WEDNESDAY, JANUARY 27.

4. Steam Engineering	9.00	
4. Energetics	9.00	
4. Structures. B	9.00	
4. Sugar Analysis		1.00
3, 4. History of Renaissance	9.00	
3. Surveying	9.00	
2. Orders	9.00	
2. Mechanism*		1.00
1. Solid Geometry	9.00	
1. Trigonometry*		1.00

THURSDAY, JANUARY 28.

	A. M.	P. M.
4. Eng. and Amer. Lit.		1.00
4. Fourier's Series	9.00	
5. Geodesy	9.00	
4. Metallurgy of Iron	9.00	
3. Anthropology		1.00
3. Industrial Chemistry	9.00	
3. Theoret. Electricity	9.00	
2, 3. Qual. Anal.	9.00	
2. Desc. Geom.*		1.00
1. Anal. Geom.*		1.00
Ent. 1. Algebra	9.00	

FRIDAY, JANUARY 29.

4. Analytical Mechanics	9.00	
4. Arch. of Renaissance	9.00	
4. Bacteriol.		1.00
4. Dynamo Testing	9.00	
4. Indust. Biology	9.00	
4. Machine Design	9.00	
4. Naval Architecture	9.00	
4. Textile Coloring	9.00	
3, 4. Taxation		1.00
3. Assaying	9.00	
3. Comp. Anatomy		1.00
3. Thermodynamics	9.00	
2. Acoustics	9.00	
2. Materials		1.00
2. Pol. Econ. and Econ. Prob.		1.00
Ent. Algebra	9.00	
Ent. English	11.00	
Ent. French		2.00

SATURDAY, JANUARY 30.

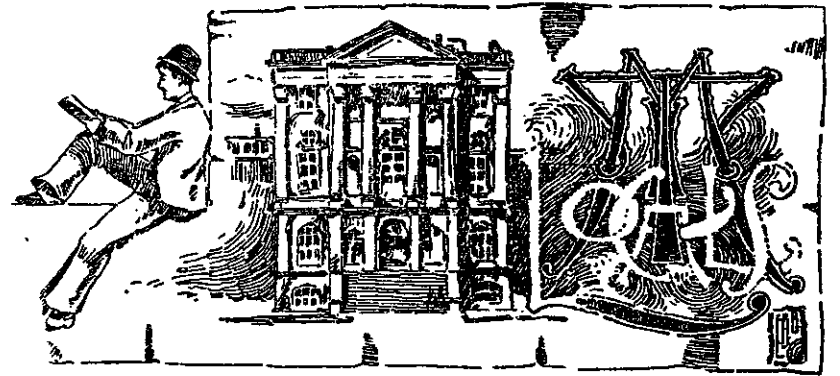
4. Air Analysis	9.00	
4. Internat. Law		1.00
4. Mining Eng.	9.00	
4. Physical Laboratory	9.00	
4. R. R. Manage.	9.00	
4. Theoret. Biol.	9.00	
3. Naval Architecture	9.00	
2, 3. Organic Chemistry	9.00	
2, 3. Gen. Biology	9.00	
2. Physics.*	9.00	
1. Des. Geom.*	9.00	
Ent. Plane Geom.	9.00	
Ent. History	11.00	
Ent. German		2.00

SPECIAL EXAMINATIONS. CONFLICTS. All special examinations granted by the Faculty, and all examinations postponed from September, are to be taken at this time, unless otherwise specifically authorized. Students desiring such examinations (not on this schedule) and those having two examinations on the same day should hand in *complete schedules* checked for *all* their examinations *not later than January 13*. New assignments will be sent by mail to such students on Friday, January 15. None can be arranged later.

REPORTS will be mailed February 6 to students of age and to the parents of others. None can be given out verbally. Requests for duplicates will be received until January 20.

H. W. TYLER, *Secretary.*

*For students granted special examinations.



Dr. Dewey attended the meeting of the American Economic Association in Baltimore last week.

Dr. Ripley attended the meeting of the American Association for Advancement of Science in New York last week.

A new bulletin board has been placed near the door of Room 14. All students interested in geology will do well to consult it occasionally.

President Drown, of Lehigh, visited the Chemical Department on Wednesday in connection with the work of the State Board of Health.

The Cane-rush Arbitration Committee at a meeting held last Saturday chose Professor Sedgwick as its fifth member, but he is unable to serve.

G. A. Gordon, of the Old South Congregational Church, will address the Y. M. C. A. on Saturday. Prof. Vogel will be the speaker of the week after.

On Wednesday January 6th, the Musical Clubs went to Salem and gave a concert in the armory of the Second Corps of Cadets. A dance followed.

A number of Tech. students heard Professor Wilson's lecture on "Recent Developments of the Cell Theory," at the Fogg Art Museum, on December 30th.

A large collection of stalactites has just been received by the Geological department and will be used as illustrations in the courses in Structural Geology.

A large number of the fossils collected by Mr. Grabau last summer in western New

York have been recently added to the Geological Laboratory collection.

President Hammond of the Sophomore Class has appointed the following men to serve as a Cane Committee: H. K. Babcock, E. R. Sheak, and N. P. Rood.

The classes in field geology have temporarily given up their expeditions owing to the unfavorable condition of the weather. Indoor work on specimens has been substituted.

Professor Morse's Smoke Talk, on "Japan and the Japanese," at the Technology clubhouse has been postponed on account of President Walker's death.

On New Year's day some members of '97, '98, and '99 assembled on Rogers steps and gave their class cheers. This is a new wrinkle at Tech. and was suggested by the Seniors.

A precedent in the question of a tied cane-rush exists in the fact that as a result of a tied cane-rush at Columbia this fall the decision by a committee was rendered in favor of the freshmen.

The class in Industrial Biology recently heard an interesting lecture on "Canning," by Mr. Underwood, who has worked during the past year on organisms which affect canned goods.

The present membership of the Technology Club is as follows: Corporation, 20; Faculty, 39; Former students, 391; Undergraduates, 49; counted twice, 2; present membership, 497.

Mr. R. D. Andrews gave an informal talk before the Architectural Society Tuesday evening, January 5th. The rooms of the Technology Club were used by the Society for the smoker.

To-night the Naval Architectural Society will have a dinner at the Parker House, after which they will occupy two boxes at the Castle Square Theatre, where the "Royal Middy" is being played.

The Co-operative Society has decided to open supply rooms in Rogers and in the Architectural and Engineering Buildings. The firm to take charge of these supply rooms will be decided and announced later.

A sketch problem has been given out in Architecture. This was due from the Seniors on last Saturday, and from the Juniors on Monday. The subject is a monumental fountain and the intersection of two important avenues.

The prize of \$10.00 offered by the Architectural Society for the best drawing for "Technique" to represent the Society, has been awarded to Mr. C. Ewing. Mr. Ewing was on the artistic staff last year of '97 "Technique."

Within the last month Dr. Gill has published a manual of "Gas and Fuel Analysis for Engineers," and Dr. Thorp a handbook of Inorganic Chemical Preparations. Both volumes are attractive in appearance and valuable from a scientific standpoint.

On account of the meeting of the American Society of Naturalists, held at Harvard last Tuesday and Wednesday, most of the work in the Biological Department was suspended in order that the students and instructors might attend the lectures and conferences.

A subscription amounting to a little over twenty-two dollars was recently raised among the architects of the Institute and presented to Mr. Robinson, the assistant janitor of the Architectural and Engineering Buildings. Mr. Robinson is to give up his present position.

The facilities for teaching the subject of Palæontology are exceptionally good in the Geological Department of the Institute. Geologists from other colleges who have seen the collections during the recent convention of Naturalists in Boston, have expressed themselves as very much surprised at their completeness.



'71. F. E. L. Beal, Course I., is the assistant biologist in the Biological Survey being made by the United States Department of Agriculture.

'73. C. E. Stafford, Course III., last year the superintendent of the Bessemer and Open Hearth Departments of the Juniata Iron and Steel Works, Pittsburg, is now manager of the Open Hearth and Plate Mill operated by the Illinois Steel Company in Chicago. We can hardly say that this is significant of the fact that a considerable portion of the steel industry of Pittsburg is emigrating to Chicago and the West, although it is certainly true to no small extent. The Illinois Steel Company has in service a small army of strong and capable engineers, among whom Mr. Stafford has taken an honorable commission.

'75. William R. Webster, Course III., formerly engineer with the Pottstown Iron Company, has engaged in an independent practice in civil engineering.

'76. A. E. Hunt, Course III., besides his positions of honor held last year, has accepted the Presidency of the Hunt Air Brake Company.

'81. A. Winslow, Course III., is manager of the mining department of the Missouri, Kansas, and Texas Trust Company, located at Kansas City.

'82. Harry G. Manning, Course II., until recently with the New York Air Brake Company, is now mechanical engineer of the Simonds Manufacturing Company of Fitchburg.

'84. A. O. Doane, Course III., was appointed some time ago assistant engineer of the Metropolitan Water Board.

'85. Charles R. Allen, Course V., has a position as science teacher in the New Bedford High School.

'86. Edward E. Higgins, Course VI., is now the editor of the *Street Railway Journal*.

'87. W. S. Hadaway, Jr., Course VIII., is in business as a consulting and constructing electrical heating engineer in New York.

'89. A. W. French, Course I., has a position as superintendent of Wright & Lawthe Oil and Lead Co., of Chicago.

'90. H. E. Baldwin, Course I., who has been for several years with the Brown Hoisting Machine Co., has been lately appointed to the position of chief engineer of their plant in Cleveland, Ohio. Mr. Baldwin should be congratulated upon the reception of so important a position so soon after graduation from the Institute.

'91. Fred. F. Moore, Course I., is employed as draughtsman by the Metropolitan Water Board.

'92. W. W. Green, Course I., is assistant engineer in the Street Department, Chicago.

'93. William G. Houck, Course I., historian of his class, has been advanced from the position of inspector of iron work to structural engineer in the Bureau of Public Buildings, Buffalo.

'94. The engagement is announced of Alan Avery Claffin, of Course V., to Miss Mabel Gertrude Nash, of Wollaston.

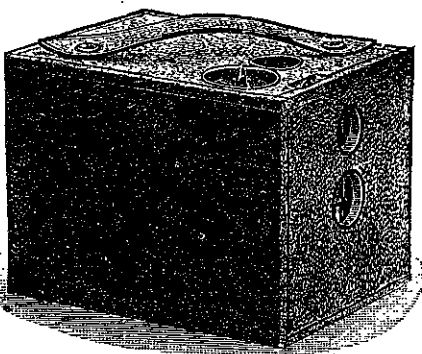
'95. W. S. Chase, Course IV., has just returned from Paris, where he has been studying naval architecture.

'96. H. W. Dyer, Course IV., is with Mr. Davis, Architect, of 30 Broad Street, New York.

'96. Robert S. Hardy, Course VI., is with the Public Works Co., of Bangor.

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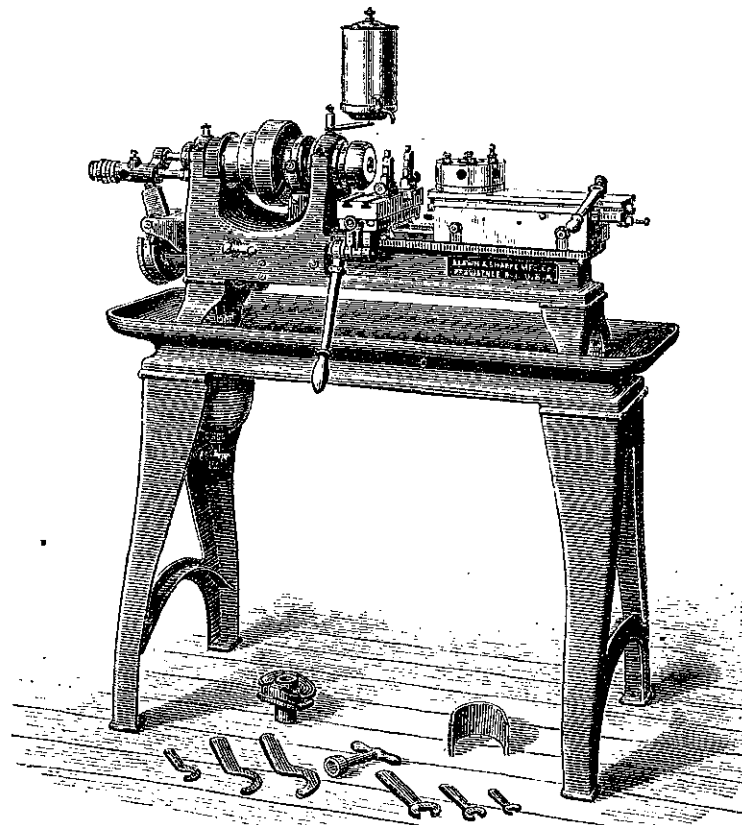
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Boston Theatre.—The popular Whitney Opera Company in the greatest light opera success of recent years, "Brian Boru," by Stange and Edwards. The company is very large, and includes a chorus of over sixty and a grand orchestra.

Park Theatre.—The latest New York success, "My Friend from India," by H. A. Du Souchet. It is an excruciatingly funny story, and the company is an unusually good one.

Boston Museum.—Klaw and Erlanger's revival of the Cadet play, "Jack and the Beanstalk."

The play is full of catchy music and beautiful dancing, including the wonderful electrical ballet, "The Birth of the Firefly." Madge Lessing as Jack is very attractive.

Hollis Street Theatre.—Mr. John Drew in his great New York success, "Rosemary." It is a picturesque and poetic play, an exquisite little love story, and Mr. Drew as Sir Jasper Thorndyke is at his very best. Miss Adams, the leading lady, has proven herself a delightful Dolly Cruickshank.

Tremont Theatre.—Mr. Francis Wilson in his latest successful opera, "Half a King," by Smith and Englander. The story is full of rollicking fun and ludicrous complications, while the music is bright, pretty and "catchy." Mr. Wilson is supported by an unusually good company.

Castle Square Theatre.—The successful Castle Square Company will revive their great success, "Maritana." This will be followed by "The Gondoliers," "The Mikado," and February first they will give "Lohengrin," to be followed by a season of grand opera.

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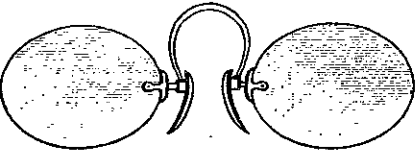
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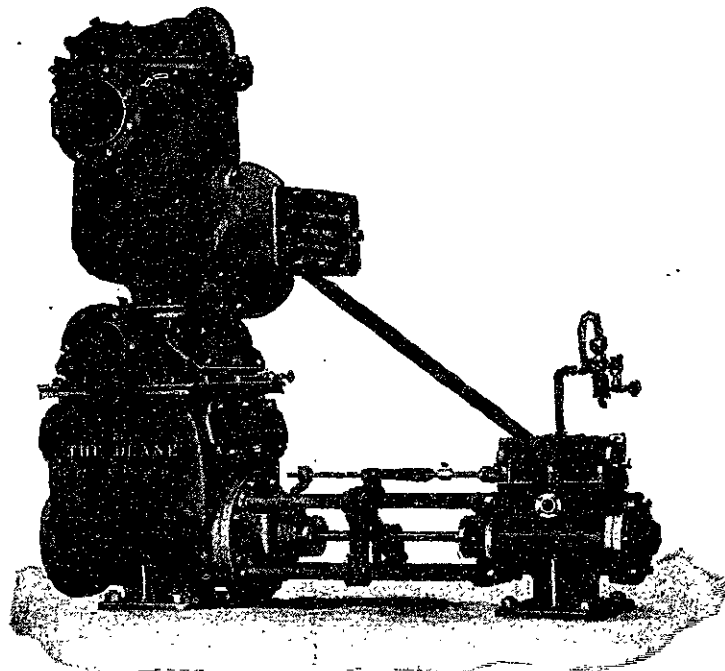
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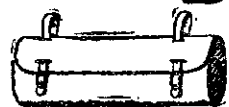
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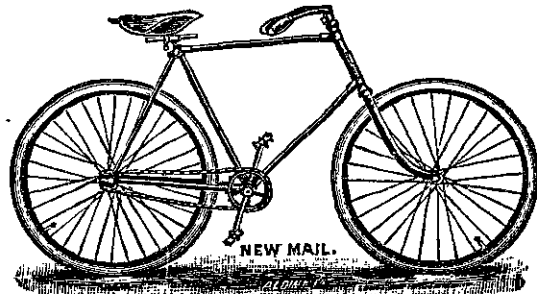
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