



Technique



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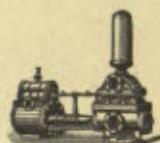
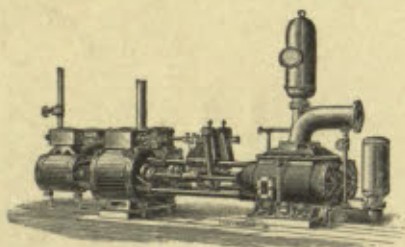
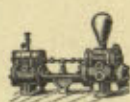
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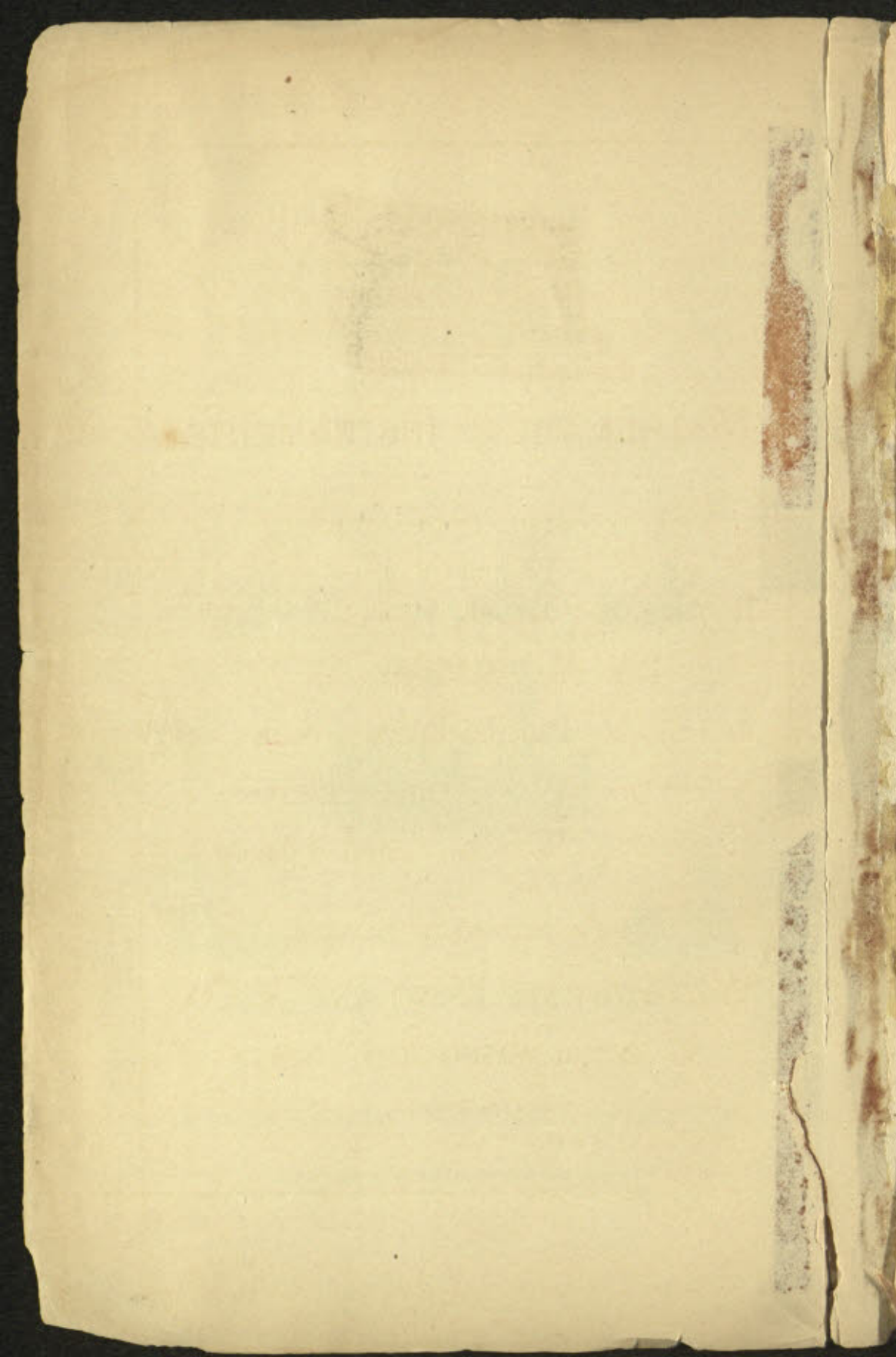
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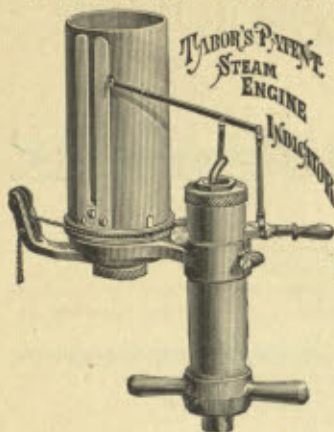
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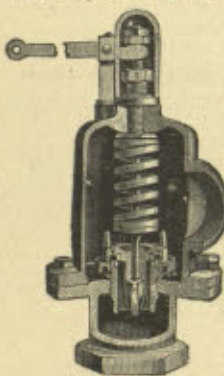
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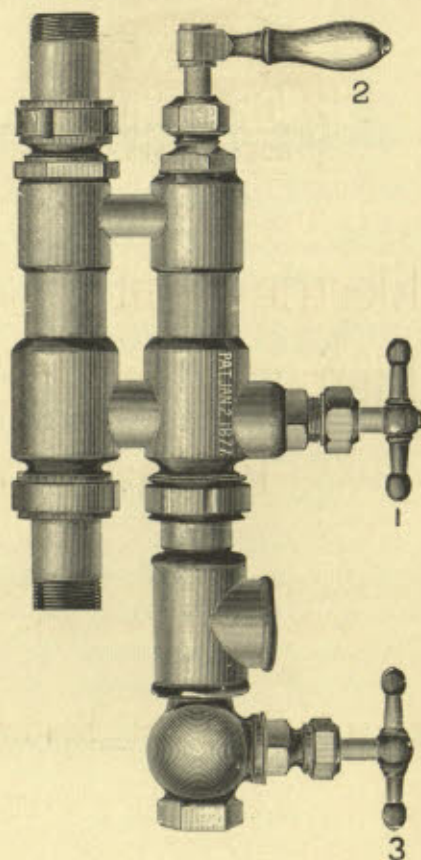
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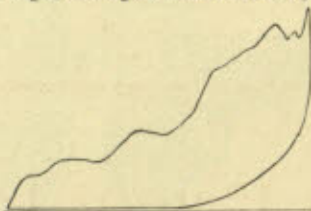
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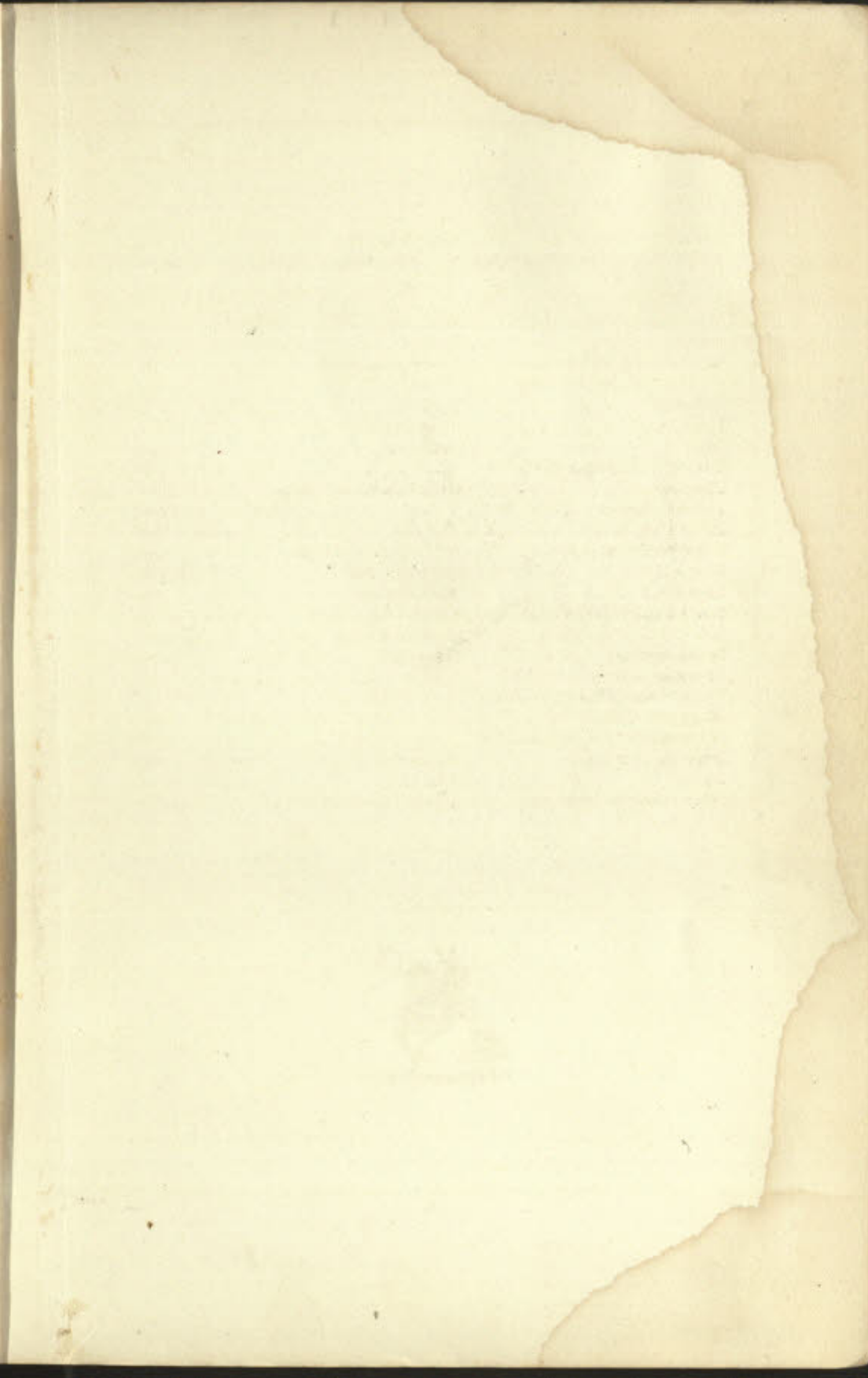
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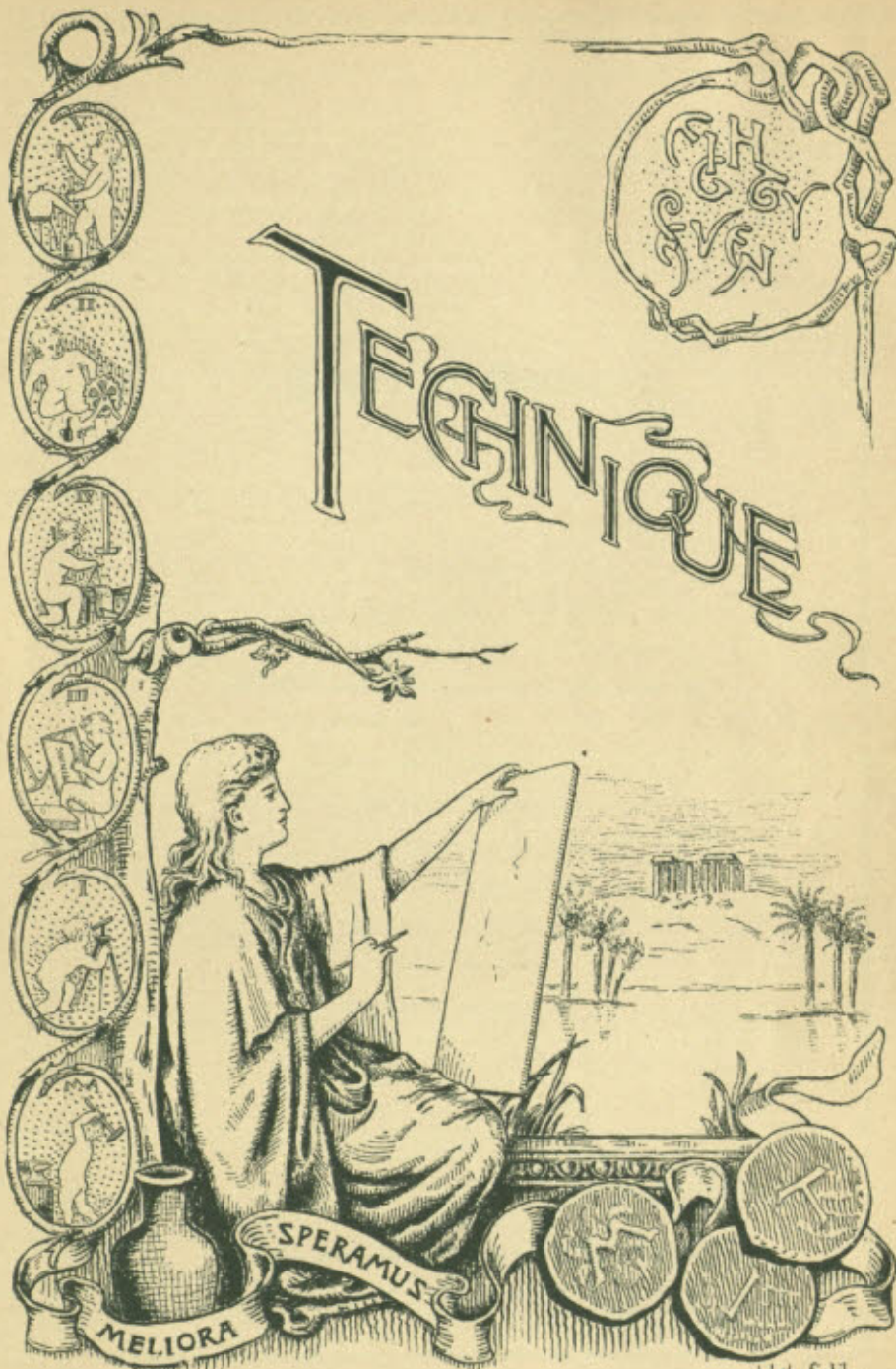






Francis A. Walker

TECHNIQUE



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: Editorial :

AS civilization turns the wheels of time, new industries and occupations arise as they are needed. Thus, also, as a college grows and develops, its needs are supplied from one source or another.

Our *Alma Mater*, in its twenty years of rapid growth, has, until recently, almost overlooked the great importance of social claims and advantages. Of late years the classes have seen more clearly the great benefit to be derived from the intimate social connection of several hundred students, coming from the best families in all parts of our country.

The Class of '87 has tried to do all in its power to advance social life among its members; so it was but natural that we should be the class to start such a thing as a college annual.

When the pioneer students in high scientific training were at the Institute, there was no need of anything in the line of an annual; but now that hundreds of brave hearts beat where there were but a small number a few years ago, there is a demand for such an article. Fraternities have planted themselves, local societies and eating-clubs have sprung up, the interest in athletic sports is on the increase, the "cage" has been built, and things are booming generally.

Therefore, we present for your favorable reception the first annual ever attempted at the Institute—TECHNIQUE.

In introducing ourselves to the public, it may be well to prevent wrong impressions by stating, first, what we do not intend to be, and, second, what we mean to accomplish.

WE ARE NOT

To take the place of the Catalogue; that requires study.

To rival *The Tech*; "United we stand, divided we fall."

The publication of one fraternity; equal rights are given all.

WE TRUST THAT WE ARE NOT

Too smart, too funny, too cutting; or, on the other hand, too dry, too stupid, or too foolish.

A failure. May it be the verdict of each one who reads.

TECHNIQUE.

WE ARE

For each student or friend of the Institute.

To help digestion, by a hearty laugh. A jest will sometimes do where all else would fail.

A class affair, yet most truly of college interest; for all classes are represented, and no pains have been spared to make this first *TECHNIQUE* replete with everything interesting or amusing to our average student.

Just here let us say a word to '88 and '89, and also to all future classes. Don't give up the *TECHNIQUE*! We have founded what will be comparatively easy for you to continue. If each class will make some improvement, in a few years no annual can compare with our *TECHNIQUE*.

With regard to the matter we present, it will speak best for itself. Yet a few words by way of introduction may not be amiss. At the first glance, you say there is not much material at the Institute out of which to form an annual; yet we are sure that if you had undertaken the task yourself, you would have been surprised at the wide extent of matter from which to draw.

Just here lies one of our greatest difficulties. Nearly eight hundred professors and students, scattered all over Boston and vicinity, meeting only in class-room, shop, and laboratory, with abundance of work for hand and brain, truly have but few things in common of a social or jovial nature. But you may ask, standing side by side at work day after day, are there not many hits given and taken worthy of repetition? Yes, indeed; but they are mostly local, and only the comparatively few would understand them.

We have chosen from the mass of material what, in our judgment, seemed best calculated to give satisfaction. You may not agree with us fully in our selection; but we ask you, indulgent reader, to remember that we are but students, and that this is *TECHNIQUE* No. 1.

We hope that all fair criticisms will be made known, so that future classes may steer clear of any rocks which have hindered our course.

Many things, such, for instance, as sketches of the work done in the various departments, though very interesting in themselves, we have deemed best to omit, since they belong rather to a comprehensive history of the Institute than to an annual publication.

College boys must look to themselves for amusement in small places, while in large cities each student can find what suits his individual taste. It can no longer be said, however, that there is a great lack of college or class feeling at the Institute. Though there is much to separate us, little by little we have conquered and met as classes and as "Techs."

Since one of the good old traditions of the Institute is, that professors and students are together walking the road to knowledge, we have no tales to tell of ill-timed discipline or forced obedience. One of the greatest

TECHNIQUE.

reasons for the remarkable growth of the Institute in its twenty years' existence, is the old and firm belief held here, that the training of our youth should make men of them.

Men must stand on their own legs; and it is fully as important to impress up and down firmness and decision on young minds, as to furnish them with logical, mathematical brains to work out problems, or to give social culture to enable them, as men, to handle others in busy life. We are thankful that we are individually responsible for success or failure.

To our President we wish to express heartfelt thanks for the noble work he has done for our college, and also for his courteous aid to the Board of Editors.

We thank all professors and students who have assisted us in various ways, and hope they will be fully paid by the thought of the enjoyment they have given others.

To all we say, "Bear your share of the expense by taking a **TECHNIQUE**. And by making the first in every way a success, we shall see a long line of **TECHNIQUES** stretching in perspective toward the future."

THE EDITORS.



: Calendar :

For 1885-86.

School year began	Monday, Sept. 28, 1885.
Second term will begin	Tuesday, Feb. 2, 1886.
Degrees conferred	Tuesday, June 1, 1886.
First Entrance Examinations	{ Thursday, June 3, 1886. Friday, June 4, 1886.
Second Entrance Examinations	{ Tuesday, Sept. 21, 1886. Wednesday, Sept. 22, 1886.
Examinations for Advanced Standing	Thursday, Sept. 23, 1886.
School year of 1886-87 will begin	Monday, Sept. 27, 1886.

For 1886-87.

School year will begin	Monday, Sept. 27, 1886.
Second term will begin	Tuesday, Feb. 1, 1887.
Degrees conferred	Tuesday, May 31, 1887.
First Entrance Examinations	{ Thursday, June 2, 1887, and Friday, June 3, 1887.
Second Entrance Examinations	{ Tuesday, Sept. 20, 1887, and Wednesday, Sept. 21, 1887.
Examinations for Advanced Standing	Thursday, Sept. 22, 1887.
School year of 1887-1888 will begin	Monday, Sept. 26, 1887.

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 WILLIAM COOK, A.M. *Instructor in Modern Languages.*
 JOSEPH J. SKINNER, Ph.D. . . . *Instructor in Mathematics.*
 HERBERT C. KING, Jr., S.B. . . . *Instructor in Architecture.*
 EDWARD G. GARDNER, Ph.D. . . . *Assistant in Biology.*
 CHARLES A. FRENCH, S.B. . . . *Assistant in Mathematics.*
 GEORGE H. BARTON, S.B. . . . *Assistant in Geology.*
 GEORGE R. UNDERWOOD, S.B. . . . *Assistant in Industrial Chemistry.*
 FREDERIC L. BARDWELL, B.S., S.B. . . . *Assistant in General Chemistry.*
 AUGUSTUS H. GILL, S.B. . . . *Assistant in General Chemistry.*
 GEORGE F. KNAPP, S.B. . . . *Assistant in General Chemistry.*
 WILLIAM L. PUFFER, S.B. . . . *Assistant in Physics.*
 ARTHUR J. PURINTON, S.B. . . . *Assistant in Mechanical Engineering.*
 HARRY W. TYLER, S.B. *Assistant in Mathematics.*
 CHARLES W. EATON *Assistant in Drawing.*
 ALFRED L. FITCH, S.B. *Assistant in Mechanical Engineering.*
 FRANK H. LORD, S.B. *Assistant in Drawing.*
 ALLYNE L. MERRILL, S.B. . . . *Assistant in Mechanical Engineering.*
 NEWBERT M. RANDALL, S.B. . . . *Assistant in Mining and Metallurgy.*

TECHNIQUE.

HENRY P. TALBOT, S.B. . . . *Assistant in Chemical Analysis.*
HENRY MARTIN, S.B. . . . *Assistant in Chemical Analysis.*
FRANK A. PICKERNELL, S.B. . . . *Assistant in Mechanical Engineering.*

LECTURERS FOR THE CURRENT YEAR.

GEORGE W. BLODGETT, S.B. . . . { *Lecturer on the Application of Electricity to
Railway Working.*
HENRY M. HOWE, A.B., S.B. . . . *Lecturer on Metallurgy.*
C. HOWARD WALKER *Lecturer on Decoration.*
EMIL CARLSEN *Lecturer on Water-Color and Sketching.*
CHARLES W. HINMAN, S.B. . . . { *Lecturer on the Manufacture of Illuminating
Gas.*
CHARLES S. MINOT, D.Sc. . . . *Lecturer on Biology.*

OFFICERS OF INSTRUCTION OF THE SCHOOL OF
MECHANIC ARTS.

President.

FRANCIS A. WALKER, LL.D.

Director.

PETER SCHWAMB, S.B.

CLARENCE W. FEARING, A.M. . . *Instructor in English and Mathematics.*
CHARLES L. ADAMS *Instructor in Drawing.*
WILLIAM H. PICKERING, S.B. . . *Instructor in Physics.*
WILLIAM COOK, A.B. *Instructor in French.*
CHARLES H. STEPHENSON *Instructor in Machine-Tool Work.*
THEODORE B. MERRICK *Instructor in Wood Work.*
JAMES R. LAMBIRTH *Instructor in Forging.*
JAMES G. LANGDON *Assistant in Wood Work.*
ROBERT H. SMITH *Assistant in Machine-Tool Work.*
OSCAR L. PATCH *Assistant in Forging.*

: Technical Education :

A BRIEF SKETCH.

TECHNICAL, or technological, education, has become a controlling factor in the world's industrial progress. This education practically dates from the establishment of the Polytechnic School of Paris, founded in 1794. Its introduction in this country is more recent. Besides the Military Academy at West Point, N. Y., founded in 1802, and the Naval Academy at Annapolis, Md., founded in 1845, the first successful applied science school was the Polytechnic Institute at Troy, N. Y., founded by Stephen Van Rensselear, in 1826. From this time till 1847, when the Lawrence Scientific School was established at Cambridge, but little apparent progress was made. This step created the new impulse which led to the rapid development of scientific technical education in this country during the past thirty years. The Chandler Scientific School of Dartmouth College followed in 1852, the Agricultural College at Lansing, Mich., in 1855, the reorganization of the scientific department of Yale College into the Sheffield Scientific School in 1860, and the Massachusetts Institute of Technology in April 10, 1861, the date of its charter.

The period from 1850 to 1860 was mainly one of discussion and preparation, and led to the crowning step, the Act of Congress passed in 1862, giving lands to the States,—30,000 acres for each member of Congress, including Senators,—to aid in the establishment in each of a college, which, while not excluding other subjects, should provide for instruction in Agriculture, the Mechanic Arts, and Military Science. Between forty and fifty colleges and scientific schools have been aided by this land-grant fund, which has also been the means of large grants from States, and a stimulus to the generosity of individuals in aid of these institutions.

While the filling of that portion of the city of Boston now known as the "Back Bay" was in progress, in which the Commonwealth had

TECHNIQUE.

a large interest, it was suggested that a portion of these lands should be devoted to the promotion of science and scientific education.

A few gentlemen, residing in Boston and vicinity, held many meetings for the purpose of discussing and maturing plans for carrying this idea into effect. The matter finally took tangible shape in a paper prepared by Prof. William B. Rogers, the first President of the Institute, entitled, "Objects and Plan of an Institute of Technology, Including a Society of Arts, a Museum of Arts, and a School of Industrial Science." This paper was read by Prof. Rogers at a meeting held in the rooms of the Board of Trade, Oct. 5, 1860, and forms the basis of the charter which was granted in an act of the Legislature passed April 10, 1861.

The Act of Incorporation recites, that "William B. Rogers (and others named), their associates and successors, are hereby made a body corporate, by the name of the MASSACHUSETTS INSTITUTE OF TECHNOLOGY, for the purpose of instituting and maintaining a 'Society of Arts,' a 'Museum of Arts,' and a 'School of Industrial Science,' and of aiding generally, by suitable means, the advancement, development, and practical applications of science in connection with arts, agriculture, manufactures, and commerce."

It also grants perpetual use of one square of land on the Back Bay, two thirds to the Massachusetts Institute of Technology, and one third to the Boston Society of Natural History, coupled with two conditions: first, that neither should ever cover more than one third of its part of the square with buildings; and, second, that if the appreciation of the lands adjoining the grant was not sufficient to cover its appraised value, the two corporations should make up the deficiency.

The succeeding Legislature repealed this condition, thus admitting that the sufficient appreciation had taken place.

The first meeting was held April 8, 1862, at the rooms of the Board of Trade, and was organized by the choice of F. W. Lincoln as Chairman, and John D. Runkle as Secretary. Prof. Rogers presented the Act of Incorporation, and a code of by-laws for adoption; and after the organization an election of officers resulted in the choice of Prof. Rogers as President of the Massachusetts Institute of Technology.

Rooms were rented in Mercantile Hall, a building on Summer Street, which was destroyed by the great fire of 1872. Here the Society of Arts held its semi-monthly meetings, and here, also, the School of Industrial Science was begun in February, 1865, with a class of twenty-seven students and three or four teachers. The chemical department was removed to the new laboratory in the basement of Rogers' Building, in the spring of 1866; and the remaining departments at that time organized, together with the Society of Arts, followed in the fall of the same year.

Thus far no formal steps have been taken in relation to the third element in the plan of organization—a museum of the industrial arts.

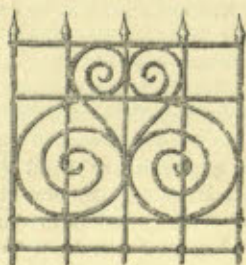
TECHNIQUE.

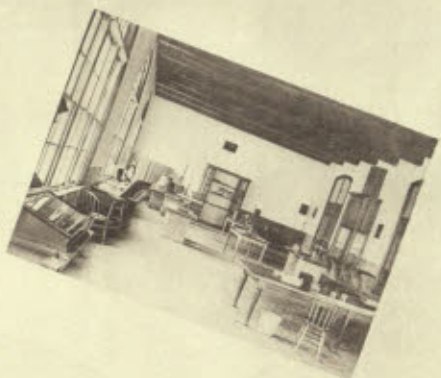
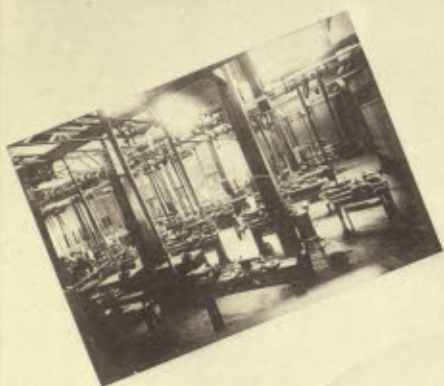
While the Institute possesses varied and valuable collections, it has been found best for the purposes of the school to place the several portions in close connection with the departments of instruction to which they relate.

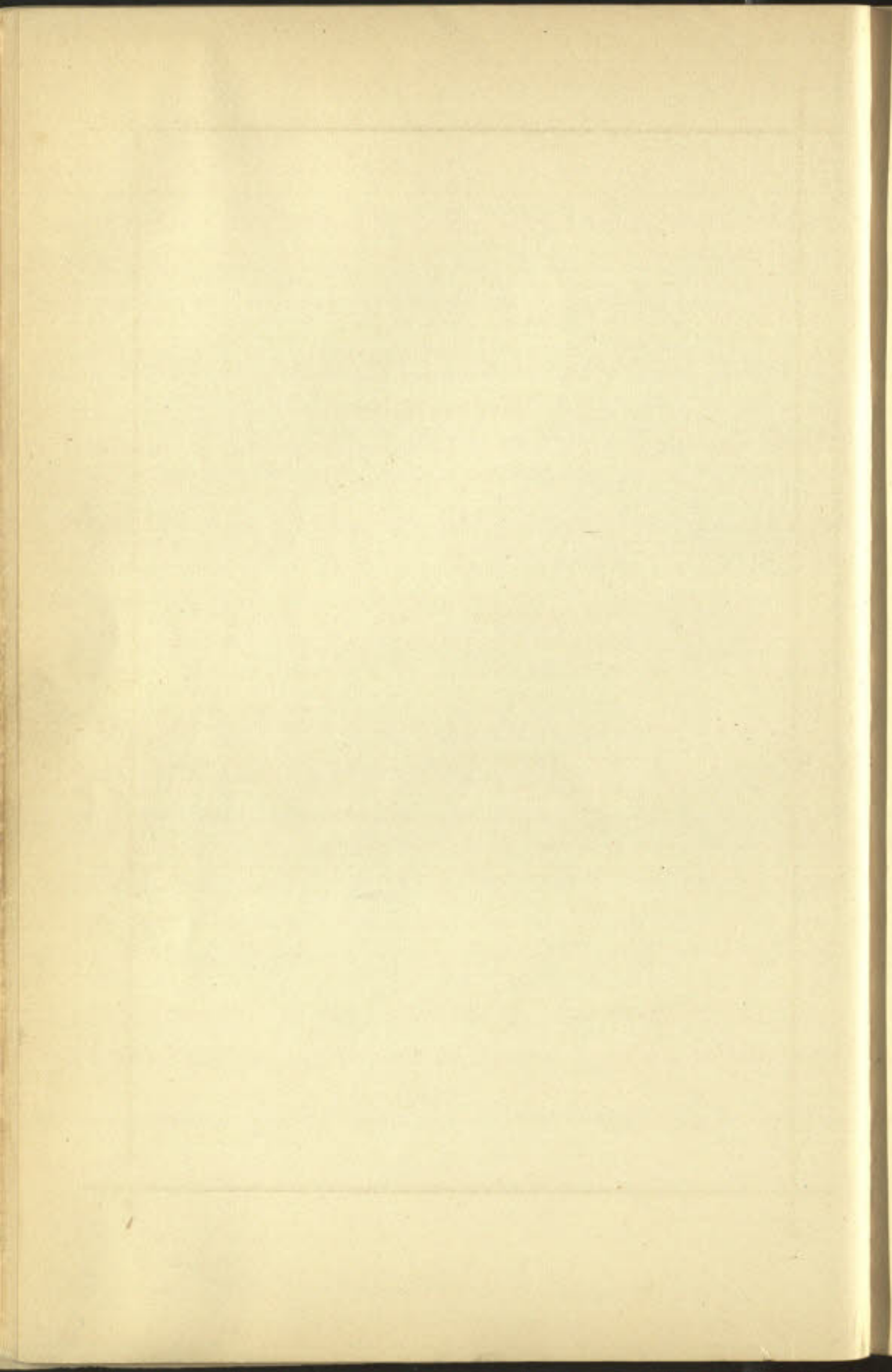
Two less advanced departments, not specially provided for in the early plan, have since been added: one, the Lowell School of Practical Design, established in 1873, in co-operation with the Trustee of the Lowell Institute; and the other a School of Mechanic Arts, established in 1876.

Such is a very brief statement of the beginnings of the Massachusetts Institute of Technology, which in twenty years has grown to be one of the leading schools of its kind in the world.

J. D. R.







: Abbreviations :

- I. Civil Engineering.
- II. Mechanical Engineering.
- III. Mining Engineering.
- IV. Architecture.
- V. Chemistry.
- VI. Electrical Engineering.
- VII. *a.* Natural History.
- VII. *b.* Biology, Preparatory to Medical Studies.
- VIII. Physics.
- IX. General Course.
- *. Special Students.

School of Industrial Science

: Graduate Students :

ATHERTON, WALTER C. E. . .	Stoughton . . .	Stoughton. Lawrence Scientific School.
ATKINSON, CHARLES H., A.B.	Brookline . . .	Brookline. Harvard University.
BLAKE, EDWARD, Ph.B. . . .	New Haven, Ct. . .	303 Columbus Ave. Sheffield Scientific School.
BRAINERD, W. H., B.A. . . .	Grinnell, Ia. . .	Dorchester. Iowa College.
CONVERSE, CHARLES H., A.B.	Newton . . .	Newton. Harvard University.
CUSHING, WILLIAM C., B.A. . .	St. John, N. B. . .	298 Columbus Ave. University of New Brunswick.
DOAK, JOHN E., Ph.B. . . .	Stockton, Cal. . .	85 Dartmouth St. University of the Pacific.
FOLWELL, AMORY P., A.B. . .	Brooklyn, N. Y. . .	749 Tremont St. Brown University.
FOSS, FRED E., A.B.	Lewiston, Me. . .	56 Chandler St. Bates College.
FOX, FREDERICK, Jr., S.B. . .	Portland, Me. . .	188 W. Brookline St. Mass. Institute of Technology.
FROST, EDGAR A., A.B. . . .	Chillicothe, O. . .	362 Columbus Ave. University of Wooster.
GARDNER, CHARLES H., B.S. . .	Washington, D. C. .	74 Chester Sq. Columbian University.
KING, THOMAS C., A.B. . . .	Marion, Ala. . . .	152 Dwight St. Howard College.
MAHON, WILLIAM L'E., Ph.B.	Boston	290 Columbus Ave. University of Michigan.
PATTERSON, GEO. W., Jr., A.B.	Westfield, N. Y. . .	71 Chandler St. Yale College.
TALBOT, MARION, A.M.	Boston	66 Marlboro St. Boston University.
TAYLOR, FREDERICK S., A.B. . .	Boston	231 Marlboro St. Harvard University.
THORNBURY, WILLIAM G., B.S.	Lexington, Ky. . .	Hyde Park. Agr. and Mech. College of Ken.
VIELÉ, MAURICE A., B.S. . . .	Geneva, N. Y. . . .	1 St. James Ave. Hobart College.

GRADUATE STUDENTS, 19.

: Senior Class :

ABORN, GEORGE P., II. . . .	Wakefield	Wakefield.
ANTHONY, ARTHUR, III. . . .	Boston	285 Marlboro St.
BARTLETT, DANA P., VI. . . .	Boston	24 Milford St.
BATCHELLER, BIRNEY C., II. . . .	Wallingford, Vt. . . .	96 Chandler St.
BLAKE, EDWARD, Ph.B., VI. . . .	New Haven, Conn. . . .	303 Columbus Ave.
BORDEN, RICHARD P., II.* . . .	Fall River	369 Columbus Ave.
BRAINERD, WILLIAM L., IV. . . .	So. Englewood, Ill. . . .	Boston St.
BURGESS, JOHN K., II.*	Dedham	1 St. James Ave.
BURLINGHAM, CHAS. L., III. . . .	Chicago, Ill. . . .	161 W. Chester Park.
CHADBOURN, WM. H., Jr., III. . . .	Wilmington, N. C. . . .	22 Berwick Park.
CHURCH, WILLIAM L., VI.*	Malden	Malden.
CLIFFORD, H. E. H., VI. . . .	South Boston	801 Broadway.
COBB, LOUIS R., I.	Chicago, Ill.	Cambridgeport.
CRANE, FRANK H., VI.	Stoughton	Stoughton
CUTTER, LOUIS F., I.	Winchester	Winchester.
DOE, CHARLES C., VII. <i>a</i>	Boston	224 Com'w'lth Ave.
DOOLITTLE, ORIN S., V.	Wallingford, Ct.	19 St. James Ave.
DUFF, JAMES C., V.	Charlestown	14 Sheafe St.
FARMER, GEO. W., II.	Rutland, Vt.	48 Appleton St.
FOSS, EDWARD S., V.	Malden	Malden.
FOSS, FRED E., A.B., I.	Lewiston, Me.	56 Chandler St.
FOSTER, THEODORE R., II.	Boston	4 Harvard St.
FOX, FREDERICK, Jr., S.B., V. . . .	Portland, Me.	188 W. Brookline St.
GARFIELD, ALEXANDER, S., II. . . .	Lexington	Lexington.
HATHAWAY, D. L., II.*	Rochester	78 Chandler St.
HIGGINS, EDWARD E., VI.	Chelsea	Chelsea.
INGALLS, WALTER R., III.	Lynn	Lynn.
JORDAN, WILLIAM F., I.	Auburn, Me.	56 Chandler St.
KENNEY, C. BELLE, V.	East Boston	111 Saratoga St.
LEACH, ALBERT E., II.	Newtonville	Newtonville.
LOCKE, FRANK L., I.	Boston	7 Eaton St.
LOW, WILSON H., V.	Brookline	Brookline.
LUFKIN, ELGOOD C., II.*	Titusville, Pa.	273 Columbus Ave.
LYNDE, JAMES P., III.	Athol	Hotel Farwell.
MAHON, WM. L'E., Ph.B., II.	Boston	290 Columbus Ave.

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MCKIM, ALEXANDER R., I.	Jamaica Plain	Jamaica Plain.
MERRIAM, HARRY B., I.	Fort Scott, Kan.	112 Dartmouth St.
MERRIAM, HENRY P., VI.	Lawrence	Lawrence.
MILLER, EDWARD F., II.	Cambridge	Cambridge.
MUMFORD, EDGAR H., II.	Dorchester	73 Columbia St.
NEAVE, JOSEPH S., II.*	Cincinnati, O.	369 Columbus Ave.
NOYES, ARTHUR A., V.	Newburyport	Newburyport.
NYE, GEORGE H., I.*	New Bedford	New Bedford.
PIERCE, EDWARD L., Jr., II.	Milton	Milton.
PRESCOTT, HOWARD B. S., IV.*	Arlington	Arlington.
PUTNAM, FREDERICK W., IX.*	Waterville, N. Y.	407 Columbus Ave.
REYNOLDS, GEORGE F., II.	Evanston, Ill.	57 Clarendon St.
RICHARDSON, CHARLES F., II.	Brooklyn, N. Y.,	66 Beacon St.
ROBBINS, ARTHUR G., I.	Carlisle	West Newton.
RUSSELL, L. K., V.*	Arlington	Arlington.
SEAVEY, JOHN F., II.	Boston	27 Polk St.
SIMPSON, JAMES E., III.	Lawrence	Lawrence.
STEBBINS, THEODORE, VI.	Omaha, Neb.	407 Columbus Ave.
STICKNEY, SAMUEL C., I.*	St. Paul, Minn.	22 Berwick Park.
STOUGHTON, AUGUSTUS B., II.	Philadelphia, Pa.	7 Charles St.
TAYLOR, WILLIAM M., II.	Indianapolis, Ind.	184 W. Canton St.
THACHER, LAWRENCE M., I.	Yarmouth	46 Dwight St.
TURNBULL, CHARLES D., II.	Boston	111 Beacon St.
VAN ALSTINE, DAVID, II.	Louisville, Ky.	184 W. Canton St.
VIELÉ, MAURICE A., B.S., II.*	Geneva, N. Y.	1 St. James Ave.
WILDER, C. MORRIS, VI.*	Cincinnati, O.	273 Columbus Ave.
WILLIAMS, SIDNEY, I.	Boston	15 Arlington St.
WILSON, ELWOOD J., III.	Jamaica Plain	Enfield St.
WOOD, CHARLES, I.	Edinburgh, Scot.	377 Columbus Ave.
WOODBURY, CHARLES H., II.	Lynn	Lynn.
WORCESTER, VERNOR F., II.	Chelsea	Chelsea.
YOUNG, FRED R., III.	Brookline	Brookline.

SENIORS, 67.



TECHNIQUE.

❖ CLASS OF '86 ❖

OFFICERS.

President.

FRANK L. LOCKE.

Vice-President.

H. E. H. CLIFFORD.

Secretary.

H. P. MERRIAM.

Treasurer.

T. R. FOSTER.

Historian.

J. E. SIMPSON.

HISTORY.

"Nature that made thee, with herself at strife,
Saith that the world hath ending with thy life."

WE are, if nothing else, a modest class. Any statement made in our favor, may be considered as underdrawn rather than overdrawn, [and may be taken as such without further investigation. *Ergo*, look no deeper into my assertions, but accept them as written.

We are a brilliant class—in fact, the most brilliant that our institution has ever seen. Our professors tell us this—every one tells us this. Fresh. and Soph. pass us with look of envy on their faces.

We are a progressive class. From the moment that we threw away the nursing-bottle and the rattle we have "faced the sunrise." Admirers who have been following us about for the past three years, are now wearing diamonds.

Many of our deeds have attracted comment far and wide. We are the first class that did not give a Freshman ball. We refused to let the upper classmen bask in female loveliness at our expense, while we stood by as trembling wall-flowers, "shaken by the autumn wind." The upper

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classmen, aforesaid, jeered at us at first, and carried transparencies at our expense, but gradually edged nearer and nearer to a very large hole, and finally crawled in. Since then, they have pulled the hole in after them. We evidently gave the Freshman ball business a "prolonged push," and '85 was the last lamb to be shorn. Ever since that time the Freshmen have followed in our footsteps, veering neither to the right nor to the left. Thus we see how great minds predominate.

We are a versatile class—capable of filling any position to which we are called, and that, too, "to the Queen's taste." Some of our number have been known to wrestle all day with vexing problems in mathematics, chemistry, etc.; and then at night to attitudinize and pirouette in tin tights and gilded helmets before the footlights.

Our beauty would call for extended comment did space and modesty permit. We are all heroes for a Southworth excepting one—she's a heroine.

In Athletics we have done good work, and intend to do more. In this we have filled a "long-felt want." We have made records that will stand for some time—unless they are beaten. Our tug-of-war team just "*arractra le métier de boulanger*" or, in plain English, "yanked the bakery." They also yanked the medicals—off the cleats.

The only sad thought that comes to me in writing this short sketch, is that the members of '86 are soon to part. In thinking of this my eyes become dimmed, and I seem to look forward through the six short months that remain to us. My companions are standing about me "on the threshold" with parchment in hand. The last, sad hand-shaking is going on—the last farewell is being said. "There's rosemary" for upder classmen, too,— "that's for remembrance." My classmates are preparing to scatter to the four corners of the earth—"Hush! draw the curtain."

IN MEMORIAM.

FRANCIS E. BACON, JR.

CLASS OF '87.

Died at St. Augustine, Florida, March, 1885.

JAMES RAY BALLANTYNE,

CLASS OF '87.

Died at Tilton, New Hampshire, September 15, 1885.

: Junior Class :

ADAMS, HENRY S., I.*	Cambridge . . .	Cambridge.
ARMINGTON, GEORGE A., II.	Weymouth . . .	Weymouth.
ATKINSON, CHAS. H., A.B., II.	Brookline . . .	Brookline.
BANES, WARNER J., II.*	Philadelphia, Pa.	286 Beacon St.
BARBOUR, FRED F., VI.	Cambridgeport .	Cambridgeport.
BARTLETT, SIDNEY R., VII. ^b	Boston	13 Arlington St.
BARTON, CHARLES A., II.	Waltham	Waltham.
BILLINGS, GEORGE L., IV.*	Milford, N. H.	14 Truro St.
BLAKE, WILLIAM B., I.	Newburyport . .	Newburyport.
BLISS, WILL S., I.*	Carson, Nev. . .	1507 Washington St.
BOWLES, STEPHEN W., Jr., VI.	Springfield . . .	349 Columbus Ave.
BRACE, WALTER C., III.	Leavenworth, Kan.	43 Concord Sq.
BRAINERD, HENRY B., IX.	Montreal, P. Q.	41 Union Park.
BRAINERD, THOMAS D., IX.	Montreal, P. Q.	41 Union Park.
BRAINERD, WM. H., B.A. IV.	Grinnell, Ia. . .	Dorchester.
BRETT, FRANKLIN, II.*	Brookline	Brookline.
BRYANT, HENRY F., I.	Bryantville . . .	Bryantville.
BURGESS, FRANK G., I.	Boston	175 Warren Ave.
CAMERON, JULIAN A., II.	Westford	273 Columbus Ave.
CARLETON, ELBRIDGE S., IV.*	Rochdale	2 Ashburton Pl.
CARNEY, FRANK D., III.	Thomaston, Me. .	2 Sunderland St.
CARPENTER, JAS. E. R., Jr., IV.*	Columbia, Tenn.	25 Holyoke St.
CARTER, N. P. AMES, II.*	Chicopee Falls . .	688 Tremont St.
CHASE, ARTHUR T., VI.*	Haverhill	Haverhill.
COBB, MORTON E., II.*	Newton	Newton.
COLE, WINTHROP, II.	Newton	Newton.
CONANT, HENRY J., II.	Watertown	Watertown.
COOLEY, HELEN, V.*	Little Britain, N. Y.	Berkeley St. c. App'n.
COOLEY, MAURICE W., I.	Little Britain, N. Y.	132 Chandler St.
COOMBS, STEPHEN E., I.*	Brunswick, Me. . .	Brookline.
CROSBY, FREEMAN M., V.*	Brewster	Melrose.
CURTIS, RALPH E., II.	Newburyport . . .	Newburyport.
CURTISS, GEORGE F., VI.*	New Britain, Ct. .	131 W. Newton St.
CUSHING, WM. C., B.A., I.	St. John, N. B. . .	298 Columbus Ave.

TECHNIQUE.

DRAPER, GEORGE O., II.*	Milford	200 Dartmouth St.
FISH, WALTER C., VI.*	Taunton	Taunton.
FLETCHER, P. RUSSELL, I.*	Bellows Falls, Vt.	48 Appleton St.
FOGG, ARTHUR G., I. . . .	Norwood	Norwood.
FOX, JOHN M., VI.	Portland	190 W. Brookline St.
FREEMAN, J. EUGENE, IV.*	South Boston . .	395 Fourth St.
FRINK, WILLIAM P., VI. . . .	Greenland, N. H.	115 Chandler St.
FROST, EDGAR A., A.B., I.*	Chillicothe, O. .	362 Columbus Ave.
FULLER, J. FRANKLIN, Jr., III.*	West Newton . .	West Newton.
GARDNER, CHAS., H., B.S., III.*	Washington, D. C.	74 Chester Sq.
GAY, JOSEPH B., IV.	Boston	99 Pinckney St.
GLEASON, WALTER H., V. . . .	Boston	24 Bowdoin St.
GOSS, EDWARD O., II.*	Waterbury, Ct. .	296 Columbus Ave.
GULLIVER, FREDERIC P., III. . .	Norwich, Ct. . .	112 Dartmouth St.
HADAWAY, WILLIAM S., Jr., VIII.	Plymouth	Plymouth.
HANDY, JAMES O., III.*	Barnstable . . .	381 Meridian St.
HATHAWAY, SAVORY C., VI. . . .	New Bedford . .	16 Circuit St.
HILDRETH, WILLIAM O., II.* . .	Gardiner, Me. . .	65 Dorchester St.
HILL, HENRY E., IV.*	Kansas City, Mo.	24 Worcester Sq.
HILL, HENRY F., I.	Augusta, Me. . .	60 E. Newton St.
HOBART, JAMES C., II.	Cincinnati, O. .	312 Columbus Ave.
HUSSEY, OREN S., II.	Nashua, N. H. . .	484 Columbus Ave.
JONES, EDWARD A., II.	Pittsfield	19 Upton St.
KENDALL, CHARLES B., V.	Manchester, N. H.	29 Union Park.
KIMBALL, HARRY W., II.*	Bath, Me.	147 W. Newton St.
KING, THOMAS C., A.B., III.* . .	Marion, Ala. . . .	52 Dwight St.
KIRKHAM, GUY, IV.*	Springfield . . .	150 Chandler St.
KNOX, GEORGE A., II.	Lynn	Lynn.
LANE, BENJAMIN C., V.*	Boston	623 Tremont St.
LAWRENCE, JOHN McC., II.* . . .	St. John, N. B. .	30 Clarendon St.
LEWIS, FRED., VI*	Haverhill	Haverhill.
LIVERMORE, WILLIAM D., V. . . .	Charlestown . . .	45 Soley St.
LOEWENTHAL, JOSEPH B., V.* . . .	Chicago, Ill. . . .	1 Yarmouth St.
LOUD, J. PRINCE, IV.*	Boston	135 Mt. Vernon St.
MCCORTNEY, JOHN H., III.*	Boston	52 Chandler St.
MERRILL, FRANK A., II.*	Exeter, N. H. . .	Newton.
MIRRLEES, JAMES H., II.*	Glasgow, Scotland,	86 Mt. Vernon St.
MOODY, WALTER S., VI.*	Chelsea	Chelsea.
MORRISON, GILBERT W., II.* . . .	Exeter, N. H. . .	Exeter, N. H.
MOSSMAN, PHILIP A., III.	Beverly	Beverly.
MULLIKEN, SAMUEL P., V.	Newburyport . .	Newburyport.
NICHOLS, FRANK C., II.*	New London, Ct. .	29 Berwick Park.
NICKELS, ARTHUR R., III.*	Cherryfield, Me. .	Allston.
NOBLE, THERON A., II.*	Des Moines, Ia. .	29 Berwick Park.

TECHNIQUE.

NORRIS, GEORGE L., III.	Melrose	Melrose.
NORTHEY, HERBERT W., IV.*	Salem	Salem.
NUTTER, OSCAR E., II.*	Great Falls, N. H.	355 Dudley St.
PATTERSON, GEO. W., Jr., A.B.		
VI.	Westfield, N. Y.	71 Chandler St.
PEARSON, EDWIN R., VI.	Portsmouth, N. H.	14 Temple St.
PETERS, QUINTARD, IX.	Atlanta, Ga.	314 Columbus Ave.
PROCTOR, CHARLES A., V.*	Peabody	Peabody.
RICHARDSON, HERBERT A., V.*	Boston	1818 Washington St.
RUFFIN, ROULHAC, I.	Old Church, Va.	290 Columbus Ave.
SAFFORD, LEANDRO T., II.*	Boston	308 Columbus Ave.
SCHMID, RICHARD G., IV.*	Chicago, Ill.	165 Boylston St.
SCHWARZ, FRANZ H., II.	Boston	157 Charles St.
SEARS, HENRY D., VI.	Dubuque, Ia.	5 Mosely Ave.
SEARS, WILLARD T., II.	Plymouth	Hyde Park.
SEVER, GEORGE F.,*	Cambridge	Cambridge.
SHEPARD, FRANK E., II.	Dorchester	Ashland St.
SHEPARD, WILLIAM E., VI.*	Hartford, Ct.	240 West Canton St.
SHORTALL, JOHN L., IV.*	Chicago, Ill.	150 Chandler St.
SMITH, CHARLES P., II.	Cambridge	Cambridge.
SMITH, HARRY E., V.	Marshalltown, Ia.	1 Yarmouth St.
SMITH, JOSEPH M., Jr., IX.	Boston	10 Greenwich Park.
SOLOMON, FRANK L., I.	Somerville	Somerville.
SOUTHER, HENRY, Jr., III.	South Boston	546 Broadway.
SPARHAWK, N. ARTHUR, II.*	Boston	1766 Washington St.
SPAULDING, HOLLON C., II.	East Boston	9 Princeton St.
SPRAGUE, T. W., III.	Fitchburg	366 Columbus Ave.
STANWOOD, JAMES H., I.	Portland, Me.	298 Columbus Ave.
STEARNS, CHARLES K., II.*	Newton Centre	Newton Centre.
STEARNS, JOHN W., I.*	Waltham	Waltham.
STEWART, NORMAN Q., III.*	Everett	Everett.
STODDARD, HENRY F., II.	Plymouth	129 Pembroke St.
STURGES, SOLOMON, IX.*	Chicago, Ill.	150 Chandler St.
SYLVESTER, GEORGE E., I.*	Danversport	Danversport.
TAINTOR, GILES, VI.	Keene, N. H.	15 St. James Ave.
TALBOT, MARION, A.M., V.*	Boston	66 Marlboro St.
THOMAS, EDWARD G., II.	Hingham Centre	484 Columbus Ave.
THOMAS, WILLIAM R., II.*	Boston	16 Circuit St.
THOMPSON, FREDERICK, I.*	Washington, D. C.	290 Columbus Ave.
THOMPSON, WALTER S., I.*	Roxbury	33 Rockland St.
THORNBURY, WM. G., B.S., IV.*	Lexington, Ky.	7 Boylston Pl.
THORP, FRANK H., III.	Bloomington, Ill.	195 W. Brookline St.
TODD, FREDERICK C., VI.*	Milltown, N. B.	45 W. Newton St.
TOTMAN, HARRY F., I.*	Fairfield, Me.	156 Warren Ave.

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TWOMBLY, ALEXANDER H., II.	Boston	39 High St.
VARNEY, WILLIAM W., II.*	Philadelphia, Pa.	364 Columbus Ave.
VOSE, RALPH, VI.	Hyde Park	Hyde Park.
WAKEFIELD, F. MANTON, IV.*	St. Paul, Minn. . .	159 Warren Ave.
WALKER, STOUGHTON, VII.*	Boston	237 Beacon St.
WHITE, J. FOSTER, V.*	Brookline	Brookline.
WHITMORE, WALTER G., VI.	Plymouth	Plymouth.
WHITNEY, GRANGER, III.	Beverly	Beverly.
WHITNEY, JOSEPH T., VI.*	Leominster	Chelsea.
WHITNEY, WILLIAM A., I.	Boston	75 Kendall St.
WILCOX, HERBERT A., III.	Somerville	Somerville.

JUNIORS, 132.





OH, WELL, WE WERE FRESHMEN THEN!

TECHNIQUE.

❖ CLASS OF '87 ❖

COLORS, ORANGE AND FRENCH BLUE.

OFFICERS.

President.

FREDERICK C. TODD.

Senior Vice-President.

H. C. SPAULDING.

Junior Vice-President.

S. STURGES.

Secretary.

GEO. F. CURTISS.

Treasurer.

GEO. O. DRAPER.

HISTORY.

KIND reader, if a momentary glance at the word "history" has not already caused you to pass quickly by this page, with half-defined thoughts of atlases, ethnological charts, Freeman's Historical Sketch, Atkinson's Spasms of Modern History, etc., etc., crowding around you, take with me, I beg, a hasty glance at the musty volumes which hold a record of '87's greatness.

There are only two at present. The third is now being written, and will be completed about the first of next June. Taking up the first volume, we find that the earliest date on its pages is the 24th of September, 1883. On this, the natal day of the class of '87, the hall of the Rogers Building was filled with boys. There were big boys and little boys, old boys and young boys, fat boys and lean boys, good boys and—no, there never was a bad boy in '87. So much for the boys. As for the girls,—well, '87 always will have a tender place in its heart for

TECHNIQUE.

the one member whose name used to be, and has since been Missed in the roll-call. Undoubtedly she broke more hearts than test-tubes; but inasmuch as she has promised to cherish one of the former inconveniences for life, we can only regret that our class can never Holden other such as she.

Well, attendance papers were duly filed, and the members of embryo '87 found themselves in Huntington Hall. After the usual brief and energetic addresses of welcome by the President (after a custom which, we are sorry to see, has been omitted this year), the class began an exhaustive course in bulletin-boards, which is not yet completed.

The usual delay took place before a few enterprising gentlemen posted a notice for a class-meeting, at which a temporary organization was effected. The regular election, a few days after, resulted in the choice of Mr. G. W. Davenport,* of Fall River, as the executive head of the class.

Not long after the choice of class officers, the enterprising spirit of '87 was shown in the formation of a class society, to be non-secret, and open to all courses alike, providing that the candidate was a member of '87. Mr. Corns, of Ohio, filled the chair of this society in a very ample manner; but the duties were so wearing that he has since been obliged to leave the Institute.

As the Freshman ball question is probably mentioned elsewhere at some length, we will pass it over in silence, assuring the reader that the class did the right thing, as usual. '87 in its Freshman year adopted the present uniform for the first year military drill, and under the skillful management of Gen. Moore, turned out the best and largest battalion that the Institute had hitherto had.

The rise and fall of the semi-annuals caused a number of our shining lights to accept lucrative situations, which they had "only been waiting till the end of the year to take, you know," while some were averse to being tied down to any particular subject, and so entered in the fall as special students. The class, however, retained its general characteristics, and took the lead in athletics, as well as in the concert hall, and, we hope, the recitation-room.

The Class-President for our Sophomore year was Mr. E. A. Haskell. We have been obliged to lose this gentleman, also, from our midst, on account of a pressing engagement. (No cards.) We extend our hearty congratulations. What the effect will be on the present Class-President remains to be seen. We have engaged a private detective, and hope to keep him with us another year.

Mr. Shepard, the President of the Society of '87, was unanimously re-elected for the present year. Further comment is unnecessary.

* Mr. D. has since left for parts unknown. It has been darkly hinted that he is at present in Lynn.

TECHNIQUE.

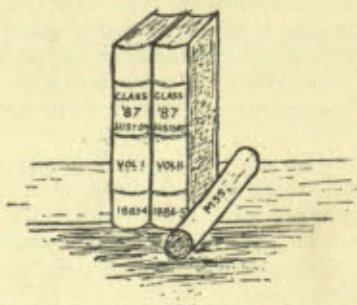
Last year's class supper was a grand success, and the class entered heartily into the torchlight parade, and cut recitations to a man the next day. The flood of eloquence which was poured out upon the occasion of the planting of the class tree, seems to have had a depressing effect on the poor thing; but some attribute this premature droop to the fact that an '86 man frowned on the childish amusement just as the earth was thrown upon the roots. This probably soured its disposition.

The present year, the third volume of the class history shows 116 members on the rolls, 63 being regular students, and the rest specials. A number of the class have recently been more or less seriously affected by undue exposure to Heat; "but in other respects we are doing quite well."

Our hours at the Institute are from 9 A. M. on Monday till 12 M. on Saturday, with intermissions to visit the supply-room, Secretary's office, and letter-rack. We should be pleased to see our friends at any time, outside of the hours above mentioned, except Saturday afternoon and Sunday, when we are generally away. When you come, please take the elevator.

Meanwhile, kind reader, we bid you farewell for the present, with the hope that these lines may have been of some interest to you, and doubting not that you see abundant room for the attainment of the wish expressed in our motto, which is,—

Meliora Speramus.



TECHNIQUE.

CLIMBIN' UP THE INSTITUTE STAIRS.

NOW, if you'll give attention,
Some trials I will mention—
Climbin' up the Institute stairs;
For mechanics is my grip,—
Though I very often slip,
Climbin' up the Institute stairs;
And the Prof's, so good and kind,
I am sure will never mind—
Climbin' up the Institute stairs—
If I punch them one by one,
Just to make a little fun—
Climbin' up the Institute stairs.

CHORUS:—

Then we hear those bells a-ringing,—
We hear, but no one cares,
For the jolly Techs are singing—
Climbin' up the Institute stairs.

Mr. Cross, the physics terror,
Who so seldom makes an error,—
Climbin' up the Institute stairs,—
We will ever hope and pray
That he'll let us through in May—
Climbin' up the Institute stairs.
Webster Wells, in conic sections,
Surely beats the last elections—
Climbin' up the Institute stairs;—
For his head's with knowledge stored
When he sends you to the board—
Climbin' up the Institute stairs.

CHORUS.

TECHNIQUE.

Peter Schwamb, with bevel gears,
Fairly moves us all to tears;
And his epicyclic train
Made us nearly all insane —
 Climbin' up the Institute stairs.
And, though giving passing notice,
We must say a word of Otis;
For of all the funny Dutch,
The old "Esel" was too much —
 Climbin' up the Institute stairs.

CHORUS.

As for Faunce's curves and tangents,
Just imagine, if you can, gents,
That you're ever in a nip;
Then, what good is his descrip' ? —
 Climbin' up the Institute stairs.
Then there's dear old William's English
(Two whole hours a week of anguish),
When at least we have a rest,
While his lectures we digest —
 Climbin' up the Institute stairs.

CHORUS.

Spite of all I've said before,
How professors are a bore,
I assuredly believe
That you wouldn't care to leave —
 Climbin' up the Institute stairs.
Now the Class of '87
Is a synonym for heaven;
So enjoy while we may, —
For our life is not all play, —
 Climbin' up the Institute stairs.

CHORUS.

: Sophomore Class :

ALDRICH, WILL S., IV.	Freeport, Me.	524 Tremont St.
ANDRÉ, S. FORTUNRY, I.*	Havana, Cuba	5 Boylston Pl.
ATHERTON, WALTER, C. E., IV.*	Stoughton	Stoughton.
BALDWIN, HIRAM E., I.	Niles, O.	89 Appleton St.
BALDWIN, JAMES C. T., VI.*	Jamaica Plain	Pond St.
BATES, HENRY D., IV.*	Racine, Wis.	626 Tremont St.
BEAMAN, WILLIAM M., VI.	Rutland, Vt.	Auburndale.
BELSER, JAMES L., II.	Marlboro	Marlboro.
BIGELOW, HENRY F., IV.	Clinton	34 Mt. Vernon St.
BINNEY, HAROLD O., VI.	Newport, R. I.	76 Mt. Vernon St.
BIRD, HERBERT S., V.	City Mills	City Mills.
BLANCHARD, WINSLOW, II.	Dorchester	Park St.
BLODGETT, JOHN, II.*	Pawtucket, R. I.	98 Pembroke St.
BLOOD, WILLIAM H., Jr., VI.	Auburndale	Auburndale.
BOSWORTH, WILLIAM W., IV.*	Marietta, O.	14 Worcester Sq.
BOWDITCH, NATHANIEL I., VI.*	Framingham	29 Commonw'th Ave.
BRADLEE, ARTHUR T., II.	Boston	113 Beacon St.
BRIDGES, LUTHER W., II.*	So. Framingham	So. Framingham.
BROWN, CHARLES L., III.	Stoughton	Stoughton.
BRUCE, EDWARD M., V.*	Aurora, Ill.	13 Allston St.
BUTTOLPH, BENJAMIN G., II.*	Buffalo, N. Y.	38 Upton St.
CAPEN, FRANK I., III.	Stoughton	Stoughton.
CARTER, HENRY M., V.*	Granville, O.	295 Columbus Ave.
CAUGHEY, EDW. G., II.	Allegh'y City, Pa.	Newton.
CENTER, DAVID A., VI.	Gloucester	Gloucester.
CHANDLER, HOWLAND S., IV.*	Allston	Allston.
CHANDLER, JOSEPH E., IV.*	Plymouth	Plymouth.
CHENEY, FRANK P., VI.	Lowell	Lowell.
CHILD, STEPHEN, I.	West Newton	West Newton.
CLAFLIN, GEORGE E., VI.	Providence, R. I.	12 Highland Ave.
CLARK, HARRY W., V.*	North Andover	North Andover.
COBB, SYLVANUS H., VI.	Hyde Park	Hyde Park.
COLBY, RUSSELL H., V.	Leominster	50 Monument Sq.
COLE, FRED B., II.	Kingston	Kingston.

TECHNIQUE.

COLLINS, BERTRAND R. T., II.	Chebeague Isld, Me.	207 Columbus Ave.
COLLINS, EDWARD, JR., VI.	Milton	Milton.
CONNER, ARTHUR J., V.	Boston	437 Columbus Ave.
CONVERSE, CHAS. H., A.B., VI.	Newton	Newton.
COULSON, JOSEPH, JR., I.*	Lawrence	Lawrence.
CROMWELL, CHARLES H., II.	Baltimore, Md.	84 Charles St.
CROSBY, C. F., IV.,*	Framingham	Framingham.
CUDWORTH, EDWARD A., IV.*	Boston	20 Fountain St.
CURRIER, LILLIAN G., V.*	Jamaica Plain	Chestnut Ave.
DANIELL, EUGENE S., II.*	Franklin, N. H.	214 Columbus Ave.
DEAN, LUTHER, I.	Taunton	Taunton.
DEARBORN, WILLIAM L., I.*	Dorchester	Harrison Sq.
DEMPSEY, GEORGE C., V.*	Lowell	Lowell.
DEVENS, RICHARD, II.	Boston	19 St. James Ave.
DOAK, JOHN E., Ph.B., II.	Stockton, Cal.	85 Dartmouth St.
DU PONT, MAURICE, VI.	H. Clay P.O., Del.	357 Columbus Ave.
DUTTON, EDGAR F., VI.	Boston	534 Warren St.
EASTMAN, HENRY F., II.	Lowell	142 Chandler St.
EISENDRATH, SIMON B., IV.*	Chicago, Ill.	117 Berkeley St.
ELLIS, FRED E., II.*	Melrose	Melrose.
EDGETT, HORACE P., I.	Beverly	Beverly.
ELLSWORTH, ALFRED B., I.	Buffalo, N. Y.	38 Upton St.
EPPES, RICHARD, JR., II.	City Point, Va.	233 W. Canton St.
FAUNCE, CHARLES L., IV.*	New Bedford	40 Dwight St.
FAY, RALPH M., IX.	Xenia, O.	199 W. Newton St.
FERGUSON, LOUIS A., VI.	South Boston	121 K St.
FLINT, BERTRAM P., II.	Roxbury	27 Linwood St.
FOLWELL, AMORY P., A.B., I.	Brooklyn, N. Y.	749 Tremont St.
FOQUE, THEODORE A., II.	Malden	Malden.
FRIZELL, ARTHUR B., II.*	Dorchester	Linden, c. Adams St.
FUKUZAWA, STEJIRAU, I.	Tokio, Japan	620 Tremont St.
FULLER, J. EDWARD, JR., IV.	Worcester	311 Columbus Ave.
GAGE, WALTER C., II.*	Warren	Somerville.
GAINES, AMBROSE P., III.*	Nashville, Tenn.	3 Columbus Sq.
GALE, EDWARD J., IV.*	Exeter, N. H.	Newton.
GAMMANS, JAMES A., I.*	Belfast, Me.	Newton Centre.
GERRISH, WILLIAM H., II.	Lowell	Lowell.
GOULD, EDWARD S., II.*	Andover	Andover.
GRAVES, EDWARD H., II.	Orange, N. J.	161 W. Chester Park.
GREELEY, JAMES T., V.	Nashua, N. H.	290 Columbus Ave.
GREENE, IRVING G., I.	Boston	480 Columbus Ave.
GROSS, HAROLD G., VII. <i>b</i>	Eureka, Cal.	604 Tremont St.
GUILD, IRVING T., IV.*	Lynn	Lynn.
HALL, JOSEPH J., IV.*	Atlanta, Ga.	Lexington.

TECHNIQUE.

HAMBLET, GEORGE W., II.	Lawrence . . .	Lawrence.
HAMPTON, ALFRED, I.	Columbia, S. C. . .	290 Columbus Ave.
HARRIS, WILLIAM L., VII. ^b	Marblehead . . .	204 Dartmouth St.
HARVEY, GEORGE L., II.	Chicago, Ill. . . .	287 Columbus Ave.
HASTINGS, CHARLES F., III.	West Newton . . .	West Newton.
HAWES, JOHN W., VI.	Boston	121 Beacon St.
HEATH, EDWARD W., V.*	Waterville, Me. . .	142 Chandler St.
HEATH, GEORGE L., V.	Everett	Everett.
HERRICK, EDWARD W., II.	Northampton . . .	311 Columbus Ave.
HISCOX, JAMES A., IV.*	Norwich, Conn. . .	6 Cazenove St.
HIX, EDWARD R., II.*	New York, N. Y. . .	236 W. Canton St.
HODGKINS, HOWARD G., IV.	Boston	77 Montgomery St.
HOLDEN, ALBERT F., II.*	Cleveland, O. . . .	Cambridge.
HOLMAN, GEORGE U. G., VI.	Valparaiso, Chili . .	20 Chelsea St.
HOLMES, CHARLES L., II.*	Waterbury, Conn. . .	296 Columbus Ave.
HOLTON, EDWARD C., V.	Winchester	Winchester.
HOPPIN, FRANCIS L. V., IV.*	Pomfret, Conn. . . .	66 Mt. Vernon St.
HORN, HENRY J., Jr., I.	St. Paul, Minn. . . .	22 Berwick Park.
HOWES, HERBERT M., II.	Somerville	Somerville.
HUTCHESON, MARY, V.*	Columbus, O.	Hotel Copley.
HYAMS, ISABEL F., V.*	Boston	1 Sharon St.
JAMES, FRANK M., II.	Haverhill	Haverhill.
JARECKI, ALEXANDER H., II.*	Erie, Penn.	524 Columbus Ave.
JOHNSON, LEWIS E.*	Waterloo, Ia.	215 W. Canton St.
JONES, ARTHUR W., VI.	Philadelphia, Pa. . .	Norfolk House.
JONES, EVERETT S., IX.	Spencer	688 Tremont St.
JORDAN, EDWIN O., V.	Auburndale	Auburndale.
KEOUGH, WILLIAM T., II.	East Boston	25 Maverick St.
KIMBALL, CLARENCE L., II*	Lowell	Lowell.
KIMBALL, THOMAS R., IV.*	Omaha, Neb.	28 Yarmouth St.
LADD, FRANK M., II.*	Uncasville, Conn. . .	115 Appleton St.
LAIST, THEODORE F., IV.*	Cincinnati, O. . . .	85 Dartmouth St.
LEE, GEORGE S., I.	Acton	Acton.
LINZEE, JOHN W., Jr., I.	Boston	Clarendon Hotel.
LOCKETT, B. C., IV.	New York, N. Y. . . .	312 Columbus Ave.
LOVELAND, JAMES W., V.	East Boston	25 Princeton St.
LOYD, JAMES D., Jr., V.*	Sandwich	Sandwich.
MANN, ARTHUR S., II.	West Medway	West Medway.
MANNING, GEORGE L., II.*	Boston	1 Yarmouth St.
MCLAUTHLIN, GEORGE V., V.	East Bridgewater . .	East Bridgewater.
MEAD, ADELBERT F., II.	West Acton	West Acton.
MEANS, ELLISON C., III.*	Ashland, Ky.	23 Berwick Park.
MERRILL, CHARLES G., V.	Cincinnati, O. . . .	21 Pinckney St.
MOORE, HENRY C., II.	Brookline	Brookline.

TECHNIQUE.

MOORE, FRANK A., IV.	Worcester	311 Columbus Ave.
MOTT, WILLIAM E., I.	Burlington, N. J.	369 Columbus Ave.
MOWER, CHARLES H., II.*	West Newton	West Newton.
MUHLENBERG, FRED'K H., II.*	Reading, Pa.	285 Columbus Ave.
NEILER, SAMUEL G., II.*	Minneapolis, Minn.	Wheatland Ave.
NEWELL, JOSEPH P., I.	Mt. Tabor, Ore.	8 Ferdinand St.
NEWELL, LORENZO B., II.	Newton Centre	Newton Centre.
NICHOLS, FRED R., VI.	Keene, N. H.	130 Dartmouth St.
NICKERSON, ADDISON D., I.	Harwichport	401 Columbus Ave.
PARKER, WILSON B., IV.*	Morristown, N. J.	Hyde Park.
PARMELEE, GEORGE L., VII.*	Boston	15 Chester Park.
PERKINS, DWIGHT H., IV.*	Chicago, Ill.	9 Exeter St
PERLEY, CLARENCE W., III.	Lynn	Lynn.
PIERCE, HERBERT F., I.	South Braintree	South Braintree.
PITMAN, HAROLD A., II.	Somerville	Somerville.
POOL, GEORGE B., II.*	Forest Hills	Forest Hills.
PRINZ, GEORGE B., IV.*	Dayton, O.	611 Tremont St.
PROCTOR, WILLIAM, JR., IV.*	Arlington	Arlington.
QUIGLEY, EDWARD P., II.*	Pewee Valley, Ky.	Hotel Waquoit.
RANLETT, FOSTER P., I.	Newtonville	Newtonville.
RAY, JOHN, II.	Boston	116 Chandler St.
REDD, BENOIST S., II.*	Natchez, Miss.	25 Union Park.
REGAN, WILLIAM P., IV.*	Andover	348 Shawmut Ave.
ROBB, RUSSELL, VI.	Detroit, Mich.	620 Tremont St.
ROBINSON, MINER, II.*	West Newton	West Newton.
ROCKFELLOW, ANNIE G., IV.*	Mt. Morris, N. Y.	41 Upton St.
ROPER, GEORGE W., I.*	Norfolk, Va.	52 Dwight St.
SABINE, CHARLES W., JR., II.	Brookline	Brookline.
SAFFORD, FREDERICK H., VI.. . . .	Lawrence	Lawrence.
SAUNDERS, WALTER M., V.*	Olneyville, R. I.	
SAWYER, ALFRED H., II.	Concord	Concord.
SAYER, FREDERICK L., II.	New Bedford	31 Yarmouth St.
SCALES, GEORGE C., I.	Newton	Newton.
SHATTUCK, GEORGE C., IV.*	Nashua, N. H.	Nashua, N. H.
SHAW, WALTER K., II.	Lexington	Lexington.
SHERMAN, ADELAIDE, V.*	Roxbury	53 Norfolk St.
SILSBEE, WALTER E., II.	Lynn	Lynn.
SILVERBERG, DAVID, VI.	Washington, D. C.	241 W. Canton St.
SJÖSTRÖM, IVAR L., I.	Lawrence	Lawrence.
SMITH, EDWARD M., II.. . . .	N. Hampton, N. H.	N. Hampton, N. H.
SMITH, JOSEPH C., V.*	Providence, R. I.	25 Yarmouth St.
SMITH, J. WALDO, I.*	Lincoln.	Lincoln.
SMITH, MURRAY, IV.*	Boston	12 Atherton St.
SMITH, NOAH B., V.*	Washington, D. C.	336 Shawmut Ave.

TECHNIQUE.

SNOW, WILLIAM G., II. . . .	Watertown . . .	Watertown.
STETSON, FRANK O., V. . . .	Newton . . .	Newton.
STEVENS, CHARLES W., III.* . . .	Cambridge . . .	Cambridge.
STONE, CHARLES A., VI. . . .	Newton . . .	Newton.
SULLY, JOHN M., III. . . .	Cambridge . . .	Cambridge.
SWASEY, SUMNER E., III. . . .	Cambridgeport . . .	Cambridgeport.
SWEETLAND, RALPH, II.* . . .	Natick . . .	Natick.
TAYLOR, EVERETT K., IV.* . . .	South Orange, N. J. . . .	Cambridgeport.
TAYLOR, FREDERICK S., A.B., IV. . . .	Boston . . .	231 Marlboro St.
THOMPSON, SANFORD E., I. . . .	Newton Highlands, Newton Highlands.	
TOWNE, WALTER I., VI. . . .	Topsfield.	
TUCKER, GREENLEAF R., V.* . . .	Boston . . .	City Hospital.
UNDERHILL, WILLIAM W., II.* . . .	Winchester. . .	Winchester.
VERY, NATHANIEL T., II.* . . .	Salem . . .	Salem.
VINTON, RAYMOND P., IV.* . . .	Pomfret Centre, Ct. . . .	66 Mt. Vernon St.
VORCE, CLARENCE B., I. . . .	Farmington, Ct. . . .	115 Appleton St.
VOSE, RICHARD H., I.* . . .	Brookline . . .	Brookline.
WARREN, ALGERNON S., III. . . .	Newport, R. I. . . .	29 W. Cedar St.
WEBSTER, EDWIN S., VI. . . .	Boston . . .	232 Newbury St.
WHEELER, SAM., I.* . . .	Concord . . .	Concord.
WILLIAMS, ARTHUR S., VI. . . .	Boston . . .	15 Arlington St.
WINDETT, V., II. . . .	Chicago, Ill. . . .	132 Chandler St.
WOOD, FREDERICK J., II.* . . .	Boston . . .	237 W. Canton St.
WOODWARD, AMOS E., III. . . .	East Somerville . . .	East Somerville.
WOODWARD, HARVEY G., V.* . . .	Wheeling, Ala. . . .	75 Waltham St.
WRIGHT, JULIAN V., II.* . . .	Cincinnati, O. . . .	357 Columbus Ave.
WRIGHTINGTON, STEWART, V. . . .	Brookline . . .	Brookline.
WYNNE, PHILIP H., II. . . .	Boston . . .	121 Beacon St.
YOUNG, JOHN E., I. . . .	Danielsonville, Ct. . . .	147 Warren Ave.

SOPHOMORES, 195.





As he stood there, that Sophomore bold,
Thought himself tough, and oh! so old,
I looked him o'er, and said, "How young;
Quite innocent, too, men among."

TECHNIQUE.

❖ CLASS OF '88 ❖

OFFICERS.

President.

ARTHUR T. BRADLEE.

Vice-President.

L. A. FERGUSON.

Secretary.

GEORGE E. CLAFLIN.

Assistant Secretary.

E. W. HEATH.

HISTORY.

FOR ages and ages before the year one,
With all regularity old Solus, the Sun,
Used to gird up his loins, and when he was dressed,
Would get out of the east and start for the west;
And when he got there, at least it is said,
Would go out of sight and into his bed.
The ancients all wondered why he did so,
And some of them thought 'twas a regular go:
Some went so far as often remark,
If he's out of sight, why, we're in the dark.
No matter what nations were crushed out of sight,
His lordship, old Solus, ne'er let up a mite,—
Wasn't hustled or bustled, or rattled or worried;
To tell the plain truth, was not even hurried
Since the time of *beginnin'*, *began*, and *begun*,
From when we were *non est* to when we were *sum*.
The Sun from the Parcae learned the lines of all Fate,
To the Future and History of old '88;
And he knew that a time in the future was coming
When enlightening the world would keep him a-running;

TECHNIQUE.

And he knew all the facts concerning our class,
Our "Force" in the "Absolute," also our "Mass."
So he was saving his strength, for how well he knew,
When we got a-going, he'd have plenty to do
To enlighten professors in giving us light,
To make perfectly clear the paths that are right,—
That loafing is bad, should always be stopped,
Or, alas! from your marks you'll surely be dropped;
For the old ancient saying of "Go to the ant,"
Of "observing her ways," is nothing but cant.
With modern improvements: "My son, here's a check;
Go, grind like a grindstone—go to the *Tech*.
Don't think you are smart, and go trusting to luck,
Or play pool or billiards; you'll surely get stuck."

We entered as Freshmen, two ninety-three strong,—
But stay there a minute, for now I am wrong;
Before I make statements, I'd best have a care:
Besides all the *strong* were four or five *fair*.
For Science and so forth, with wise, pretty heads,
To the Tech were seen going—I mean our "Coeds."
The boys all thought of the fair ones, how sweet,
While instructors caught on in a way hard to beat:
And then, in explaining a simple reaction,
Aside from their duty, there seemed some attraction;
And they, of course, had some good honest scruples
About leaving alone such promising pupils.
But then, we all know 'twas all for the best,
(Who was also the prettiest) so I'll give them a rest.

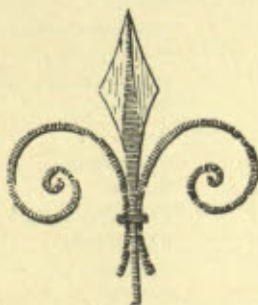
'Midst many forebodings the annuals came,
And when they were gone, we weren't quite the same.
Some were famous for H's and C's;
Some were for cursing their F's and their D's—
Unfortunate youths, who had somehow got plowed,
And on their petitions received, "Not allowed;"
Or to a professor, perhaps, were "referred,"
So that work in that subject was somewhat deferred.

We've weathered some storms, passed over some shoals,—
Have made a few touchdowns, have kicked a few goals.
Though formerly drawing threatened to kill us,
And chemistry seemed a-going to spill us,

TECHNIQUE.

Old English was dry, and French seemed no use,
Except for occasionally raising the deuce;
Math'matics were tough (or more than improper),
And occasionally gave us the —— of a cropper.
But with all of our trials of those who survive,
Our hundred and eight have come out alive,—
Alive for physics, descriptive and history;
For chronic math'matics, whose curves are a mystery;
For drawing, surveying, and for all studies such
As mechanicism, shopwork, and likewise for Dutch.

Our courses are chosen, professions selected,
And now for "exams," which are always expected
To give us "straight tips" of the Semies, and so forth,
That we may get through and not have to go forth
For getting behind, and forgetting our lectures,—
For basing our faith on uncertain conjectures.
Though troubles have been, though troubles may come,
Ahead in the future is plenty of fun—
Fun for the Civil, Mechanical, Miner;
Fun for the Chemist and the Chronic whiner;
Fun for the Architect and Electrical chap,
And for the Special, and irregular snap,
But in the future, whate'er be our fate,
Rah! rah! and a tiger; whoopla—'88!



: Freshman Class :

ABBOTT, LEON M.	Keene, N. H.	193 West Canton St.
ALLEY, GEORGE R.	Jamaica Plain	Revere St.
AMORY, ARTHUR, JR.*	Boston	133 Marlboro St.
ANDREWS, CLINTON O.	Lawrence	Lawrence.
APPLETON, EDMUND K.	Haverhill	298 Columbus Ave.
ASHTON, ALBERT C.	Somerville	Somerville.
AYER, ARTHUR W.	East Somerville	East Somerville.
BADGER, ABRAM H.	Chicago, Ill.	287 Columbus Ave.
BAILEY, HAYDEN G.	Boston	63 Chauncy St.
BAILEY, HARRY H.	Malden	Malden.
BALDWIN, ANNIE F.*	Boston	241 Columbus Ave.
BALDWIN, GEORGE C.*	Barton, Vt.	467 Columbus Ave.
BANES, ROBERT C.	Philadelphia, Pa.	286 Beacon St.
BARDWELL, ARTHUR F.	Springfield	22 Yarmouth St.
BARTLETT, SPAULDING	Webster	288 Newbury St.
BASFORD, GEORGE M.	Boston	Parker Hill Ave.
BATES, CHARLES H.	Boston	41 Mt. Vernon St.
BATES, HARRY W.	Newton Centre	Newton Centre.
BATES, STURGIS G.	Greenup, Ky.	16 Ashburton Pl.
BEACH, EDWARD J.	Dubuque, Ia.	1204 Washington St.
BEALS, CHARLES E.	Stoughton	Stoughton.
BIXBY, WILLARD G.	Salem	Salem.
BLAGDEN, EDWARD R.	Greenfield	84 Charles St.
BLAIR, DONALD M.	Boston	31 Upton St.
BLISS, ZENAS W.	Providence, R. I.	41 Fairfield St.
BORDEN, CHARLES N.	Fall River	369 Columbus Ave.
BOUTWELL, FREDERIC S.	Andover	Andover.
BRADLEY, FREDERICK W.	Lowell	Lowell.
BRAINERD, FREDERICK H.	So. Englewood, Ill.	Boston St.
BRALEY, JASPER W., JR.	New Bedford	East Boston.
BREWER, NATHANIEL, 3d	Swampscott	Swampscott.

TECHNIQUE.

BROWN, LYMAN	Boston	80 Mt. Vernon St.
BROWN, HARRY W.	Marblehead	Marblehead.
CABOT, JOHN W.	Mansfield	Mansfield.
CALKINS, FREDERIC E.	Chicago, Ill.	331 Columbus Ave.
CARTWRIGHT, JAS. W., Jr.*	Boston	503 Columbus Ave.
CHADWICK, J. C.*	Boston	38 West Cottage St.
CHENEY, CHARLES	S. Manchester, Ct.	Jamaica Plain.
CILLEY, FRANK H.*	Dorchester	Dudley St.
CLEMENT, HARRY W.	Rutland, Vt.	311 Columbus Ave.
CODMAN, THOMAS N.	South Lincoln	South Lincoln.
CONANT, ELBRIDGE R.	Acton.	Acton.
CRAIGIN, HENRY A.	Boston	41 Fairfield St.
CROSSMAN, FRED. A.	Providence, R. I.	20 Milford St.
CROWNSHIELD, B. B.*	Boston	164 Marlboro St.
CURTIS, WILLIAM G.	Abington	Abington.
CUTTER, ROLAND N.	Winchester	Winchester.
DAME, FRANK L.	Boston	19 Temple Pl.
DAVENPORT, WILLIAM S.	Roxbury	190 Dudley St.
DAVIS, ARTHUR L.	San Francisco, Cal.	85 Dartmouth St.
DEETZ, CHARLES H.	Sellersville, Pa.	311 Columbus Ave.
DEWING, FRED M.*	Holliston	Holliston.
DODGE, CHARLES B.	Skowhegan, Me.	22 Wyoming St.
DOW, WILLIAM H.	Portland, Me.	42 Concord Sq.
DRAPER, JAMES S.	Canton	Canton.
DUANE, WILLIAM M.	West Newton	West Newton.
DUNBAR, KINSLEY.	Canton	Canton.
DUNPHE, CARROLL S.	East Bridgewater	East Bridgewater.
DURFEE, NATHAN	Fall River	369 Columbus Ave.
DWELLEY, EDWIN F.	West Hanover	West Hanover.
DYAR, HARRISON G.	Rhinebeck, N. Y.	170 W. Chester Park.
EDWARDS, ARTHUR V.	Milton	Milton.
ELDER, HERMAN S.*	Lewiston, Pa.	345 Columbus Ave.
ESTABROOK, WILLARD W.	Boston	42 Rutland Sq.
EWEN, ALEXANDER S.	Fitchburg	Fitchburg.
FAIRBAIRN, JOHN T.	Hyde Park.	Hyde Park.
FESSENDEN, R. G.*	Boston	155 Beacon St.
FIELD, FRANK R.	Greenfield	84 Charles St.
FISKE, J. PARKER B.	Auburndale	Auburndale.
FORRISTALL, ARTHUR M.	Boston	172 West Newton St.
FRENCH, EDWARD V.	Lynn	Lynn.
FRENCH, HOLLIS	Boston	200 Commonw'th Av.
GANNETT, EARL W.	Omaha, Neb.	127 St. Botolph St.
GARDINER, IRVING L'H.	Milford, Pa.	6 Allston St.
GILBERT, JAMES P.	Jamaica Plain	Chesnut Ave.

TECHNIQUE.

GILMAN, CHARLES W.	Palisades, N. Y.	86 Mt. Vernon St.
GOODALE, JOSEPH L.*	Cambridge	Cambridge.
GOODRICH, DAVID P.	South Boston	801 Broadway.
GREENWOOD, JOSEPH N.	Lawrence	Lawrence.
GROSE, CHAS. W.	North Abington	North Abington.
GUPPY, BENJAMIN W.	Jamaica Plain	Myrtle St.
HALL, PRESCOTT F.*	Brookline	Brookline.
HALL, RODERICK D.	Longwood	Longwood.
HAM, FRED.	East Somerville	East Somerville.
HARDING, GEORGE C.	Pittsfield	Auburndale.
HARRINGTON, EDWARD M.	Reading	Reading.
HART, FRANCIS	New Bedford	Jamaica Plain.
HAWKINS, PAUL R.	Springfield	111 Warren Ave.
HAZARD, SCHUYLER	Georgetown, S. C.	Braintree.
HILL, FOSTER B.	Billerica	Billerica.
HILLS, FREDERIC A.	Newtonville	Newtonville.
HOBART, HENRY M.	Boston	60 West Rutland Sq.
HOBBS, FRANKLIN W.	Brookline	Brookline.
HOLLIS, FREDERICK S.	Newton Highlands,	Newton Highlands.
HOOVER, RICHARD	Boston	19 Forest Ave.
HOPKINS, FRED. L.	Lawrence	Lawrence.
HOWARD, HENRY*	Longwood	Longwood.
HOWE, GEORGE E.	Boston	7 Bowdoin St.
HUNT, HARRY H.	Melrose	Melrose.
HUNTOON, EDMUND J. B.	Canton	Canton.
HUTCHINS, EDWARD S.	Providence, R. I.	5 St. James Ave.
HYDE, JOHN S.	Bath, Me.	105 Pembroke St.
JOHNSON, WILLIAM STONE	Saxonville	Saxonville.
JOHNSON, WILLIAM S.	Lynn	Lynn.
JONAS, FRANK B.	New Orleans, La.	101 Boylston St.
KAUFMAN, GEORGE C.	Syracuse, N. Y.	196 West Canton St.
KEAN, ALEXANDER L.*	Elizabeth, N. J.	1 Oxford Terrace.
KENDRICKEN, PAUL J.	Boston	376 Dudley St.
KILHAM, WALTER H.	Beverly	Beverly.
KINSMAN, ARTHUR D.	Ipswich	Beverly.
KNAPP, WILLARD P.	Mooers, N. Y.	50 Chandler St.
KUNHARDT, LEWIS H.	Melrose Highlands,	Melrose Highlands.
LAUDER, GEORGE B.	Concord, N. H.	U. S. Hotel.
LA ROSE, ANTHIME W.	Albany, N. Y.	62 Berkeley St.
LATTA, LOUIS M.	Boston	180 Commonw'th Av.
LAWS, FRANK A.	Brockton	Brockton.
LEWIS, WILLIAM W.	Hyde Park	Hyde Park.
LORING, HARRISON, Jr.*	South Boston	789 Broadway.
MANNING, J. WOODWARD	Reading	Reading.

TECHNIQUE.

MARCY, GEORGE D.	Portsmouth, N. H.	41 Grey St.
MARSH, EDMUND P.	Newton	Newton.
MAURAN, J. LAWRENCE	Providence, R. I.	Newton.
MAY, JOHN E., JR.	Philadelphia, Pa.	25 Lambert Ave.
MCCARTHY, WILLIAM P.	Lowell	Lowell.
MCCONNELL, GEORGE B.	Roxbury	153 Blue Hill Ave.
MEADE, FRANK B.*	Cleveland, O	Hotel Berwick.
MERRICK, SUMNER B.	Arlington Heights,	Arlington Heights.
MERRILL, W. H., JR.	Boston	61 Chester Sq.
MILDHAM, SAMUEL H.	Neponset	Neponset.
MOORE, CARLOS B.	Brookline.	Brookline.
MORGAN, ROGER	Springfield.	111 Warren Ave.
MORSE, CHARLES H.	Millbury	482 Columbus Ave.
MOWER, FRANK A.	Lynn	Lynn.
NASH, FRANK C.	Cherryfield, Me..	407 Columbus Ave.
NEWELL, SAMUEL M.	West Newbury	23 Austin St.
NORRIS, ALMON E.	Lexington	Lexington.
NORRIS, CLARENCE G.	Hyde Park.	Hyde Park.
OLZENDAM, LOUIS H.*	Manchester, N. H.	29 Union Park.
ORROK, GEORGE A.	Dorchester	Olney St.
PAINÉ, SUMNER*	Boston	87 Mt. Vernon St.
PALMER, HAROLD P.	Somerville	Somerville.
PARK, W. IRVING	Groton	82 Appleton St.
PEARSON, GARDNER W.	Lowell	Lowell.
PEASE, CALVIN E.	Dayton, O.	Hotel Clifford.
PENDLETON, LYMAN B.	Stonington, Ct.	Newton.
PEIRCE, EUGENE E.	Abington	Abington.
PIERCE, FRANK L.*	Springfield.	44 Chandler St.
PIETSCH, THEODORE W.	Chicago, Ill.	40 Clifford St.
PIKE, CLAYTON W.	Fryeburg, Me.	1 Concord Sq.
PILLSBURY, EDWIN S.	Derry Depot, N. H.	32 Clarendon St.
PLIMPTON, WALDO L.*	West Newton	West Newton.
PLUMER, WILLIAM G.	Peabody	Peabody.
POMEROY, HERBERT M.	Denver, Col.	523 Columbus Ave.
POWER, CHARLES W.	Pittsfield	19 Upton St.
PUTNAM, ALBERT E.	West Newton	West Newton.
RANNO, FRED W.	Manchester, N. H.	364½ Tremont St.
RAY, VICTOR	Boston	116 Chandler St.
REYNOLDS, RALPH W.*	Fall River	26 Appleton St.
RICHARDSON, GEORGE L.	San Rafael, Cal	85 Dartmouth.
ROGERS, HARRY L.	Orchard Lake, Mich.	17 Upton St.
ROLLINS, MONTGOMERY	Dover, N. H.	214 Columbus Ave.
ROUNDS, GEORGE W.	Malden	Malden.
RUFFIN, JULIEN B.	Old Church, Va.	290 Columbus Ave.

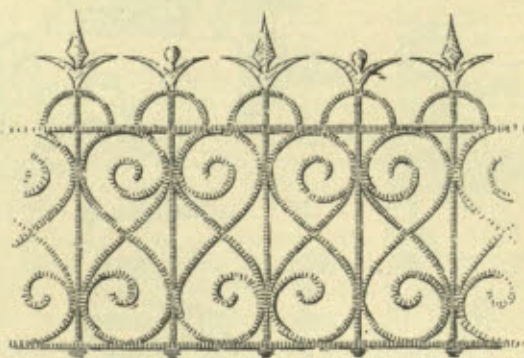
TECHNIQUE.

RUSSEL, RICHARD L.	Pottsville, Pa.	198 Beacon St.
RUSSELL, GEORGE F.	Lawrence	143 Boylston St.
SANBORN, FRANK E.	Roxbury	103 Moreland St.
SEAVEY, HERBERT T.	Canton	Canton.
SHELDON, SAMUEL B.	Manchester	Manchester.
SHEPARD, EDWARD V.	Salem	Salem.
SHERMAN, GEORGE B.	Watertown	Watertown.
SIMPSON, CHARLES L.	Kansas City, Mo.	298 Columbus Ave.
SIMPSON, GEORGE P.	Montreal, P. Q.	243 Warren St.
SMITH, HARRY D.	Boston	16 Bond St.
SMITH, WILLIAM L.	Boston	360 Marlboro St.
SMYTHE, FRANK A.	Somerville	Somerville.
SPALDING, KALUDY	Auburndale	Auburndale.
SPRING, MARCUS T.	Danvers	Danvers.
STEDMAN, WILLIAM A.	Newport, R. I.	6 Park Sq.
STEVENS, EVERETT L.	Newburyport	Newburyport.
STEWART, ROWLAND W.	Bangor, Me.	
STICKNEY, DELIA*	Danvers	Danvers.
STONE, GEORGE G.	Evanston, Ill.	57 Clarendon St.
STONE, GEORGE W.*	Madisonville, O.	West Medford.
TENNEY, W. H., Jr.	Dorchester	Trull St.
THOMAS, ALBERT E.	South Easton	South Easton.
THOMAS, FRED A.	Woonsocket, R. I.	20 Rutland Sq.
THURBER, WILLIAM B.	Plymouth	Plymouth.
TRUESDELL, ARTHUR E.	West Stockbridge	Newton.
TUTEIN, CONSTANTINE D.	Revere	Revere.
TUTTLE, HERBERT C.	Concord	Concord.
VAN NOSTRAND, FRANK B.	Charlestown	10 Auburn St.
WADSWORTH, OLIVER F., Jr.	Boston	139 Boylston St.
WALES, GEORGE C.	Boston	202 Commonw'th Av.
WALKER, CHARLES R.*	Cambridgeport	Cambridgeport.
WALKUP, THOMAS, Jr.	Chicago, Ill.	132 Chandler St.
WARNER, CHARLES H.	Fall River	275 Newbury St.
WATSON, ARTHUR P.	Sharon	Sharon.
WATSON, GERTRUDE L.*	Dorchester	Mather Street.
WHIPPLE, GEORGE C.	Chelsea	Chelsea.
WHITE, JOSEPH B.	Hanson	Hanson.
WHITING, JASPER	Charlestown	100 Main St.
WHITMORE, GEORGE A.	Lowell	Lowell.
WHITNEY, FRANK P.	Pittsfield	592 Adams St.
WILLIAMS, ROBERT C.	Marquette, Mich.	127 Pembroke St.
WILLIAMS, RUFUS P.*	Boston	150 Warren Ave.
WILLIAMS, THEODORE G.	Roxbury	28 Highland P'k Ave.
WILLIM, WILLIAM B.	Stillwater, Minn.	364½ Tremont St.

TECHNIQUE,

WILLISTON, ARTHUR L. . . .	Cambridge . . .	Cambridge.
WILSON, BENJAMIN F., JR. . . .	Norfolk, Va. . . .	26 Berwick Park.
WILSON, HORACE M.*	Cambridge	Cambridge.
WOOD, J. DELANO	New Bedford	25 Somerset St.
WRIGHT, MINTURN T.	Philadelphia, Pa. . . .	115 Berkeley St.
WUICHET, WALTER G.	Dayton, O.	62 Berkeley St.
YOUNG, HENRY G.	Groton	153 West Canton St.

FRESHMEN, 214.



TECHNIQUE.

◇ CLASS OF '89 ◇

OFFICERS.

President.

HOLLIS FRENCH.

Vice-President.

J. P. B. FISKE.

Secretary.

H. G. YOUNG.

HISTORY.

YES, we have a history; for our life, though short, has been eventful. A glance at our susceptible countenances would suffice to tell to any one accustomed to translate facial expression, that the last six months had been, for us, filled with anxiety, and hope, and fear, and bitter longing; that the future is, for us, thick with manly purpose and the expectation of great ambition.

But six short months ago a noble army, the flower of the youth of the land, we rallied to the call of '89, and gave battle to the hosts of questions pressing hard upon us. That was a hard-fought field. Many a sturdy heart received most fearful blows, wholly unfitting them to renew the engagement in the fall; many beat an inglorious retreat, leaving, in their confusion, unbroken columns of questions and problems; some, who got within the walls, still bear marks of the direful contest that only time and attention will efface. But, be it to our passing credit and high honor, a goodly number overcame, their claims were all allowed, and unconditional surrender was acceded them.

And now we look steadily forward to the time when we shall plant the flag of '89 on the highest pinnacles of Learning's tower. Already our lines are forming in the drill; already we are climbing Learning's iron stairs, and wrestling with Mathematics, Chemistry, Drawing, English, French, alike. Already we are in the field, and who can say that we do Cant-on our defeats more than we do Hyde our victories.

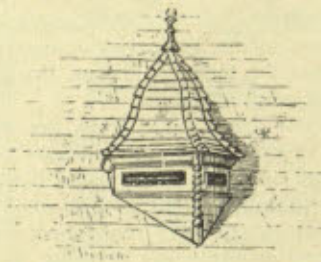
TECHNIQUE.

We held our class-meeting, and very much regret that an opportunity to make the popinjays of '88 realize their insignificance, was taken from us by one greater than we.

Boston's noble sons have extended their hands to grasp our shekels; her fair daughters have smiled on our efforts to please them; the D. M. cordially appropriates our pennies, while the M. D. gently stows away our dollars.

And now, as we close this first leaf of our history, we beseech you to look upon our maiden efforts with indulgence, and bear in mind the fact that we are, as yet, but buds of promise. Do not nip us with the frosts of cold reserve, and we shall yield a noble fruitage in the harvesting of '89.

HISTORIANS.



❖ School of Mechanic Arts ❖

: Second Year Students :

ATWOOD, FRED M.*	Taunton	Salem.
BALL, JAMES T. *	Stansted, P. Q.	Chelsea.
BENSON, HARRY P.	Salem	Salem.
BUSH, HARRY G.*	New Orleans, La.	47 Chandler St.
CLARK, OTIS R.*	Derry, N. H.	32 Clarendon Hotel.
DAWSON, WILLIAM F.	Jamaica Plain	Jamaica Plain.
EDWARDS, WILLIAM T.*	Pittsburg, Pa.	374 Columbus Ave.
GODDARD, FRANK C.	Woburn	Woburn.
GRUSH, CHARLES E.*	Beverly	Beverly.
HERRICK, CHARLES H.*	Winchester	Winchester.
HOLMES, CHARLES E.*	Melrose	Melrose.
HOWE, BENJAMIN M.	Natick	Natick.
KEEP, J. H., Jr.*	Norwich, Ct.	128 Marlboro St.
KILLINGER, JOHN W., Jr.*	Lebanon, Pa.	189 W. Canton St.
MAXIM, HIRAM P.	Hyde Park	Hyde Park.
MCGRAW, FRED M.*	Portland, N. Y.	50 Chandler St.
PORTER, RUFUS K.*	Calais, Me.	Bellevue St.
PRATT, NATHAN R.	Sudbury	Sudbury.
RAYMOND, J. W., Jr.*	Beverly	Beverly.
RICHARDSON, WALTER P.	Salem	Salem.
SCHNEIDT, FREDERIC A.	Boston	59 Fayette St.
SMITH, WILLIAM C.*	Brighton	Parson St.
STEWART, SAMUEL B., Jr.*	Lynn	Lynn.
SUTHERLAND, REYNOLD H.*	Lynn	Lynn.
TRIPP, THAXTER N.	Lynn	Lynn.
TURNER, WILLIAM P.	Isle au Haut, Me.	Hotel Clifton.
WALKER, AMBROSE*	Boston	237 Beacon St.
WHITNEY, FRED. A.	Leominster	61 Chandler St.
WOOLDRIDGE, N. S.	Pittsburg, Pa.	2 Columbus Sq.
WRIGHT, WALTER G.*	Lowell	Lowell.

SECOND YEAR, 30.

: First Year Students :

BIXBY, JOHN L., Jr.*	Arlington Heights, Arlington Heights.
BOCKUS, CHARLES E.	Dorchester Dorchester.
BULLARD, ALBERT M.*	Boston Hotel Edinburgh.
CUMMINGS, WILL R.*	Lawrence Lawrence.
CURRIER, GUY W.*	Lawrence 61 Clarendon St.
CLAFLIN, ADELBERT E.*	Hopkinton Clarendon Hotel.
DAMON, H. E.*	Somerville Somerville.
GLEASON, ALBERT H.	Rock Bottom Rock Bottom.
GLEASON, HALL*	West Medford West Medford.
GREELEY, GUY H.*	Nashua, N. H. . . . 290 Columbus Ave.
HUTCHINSON, EDWARD P.	Danvers Centre . . . Danvers Centre.
LYNDE, FRANK W.	Melrose Melrose.
MAURAN, MAX*	Providence, R. I. . . 68 Winthrop St.
MAYHEW, AARON H.*	Milford Milford.
MEISER, RUDOLPH J.*	Cincinnati, O. . . . 3 Worcester Sq.
MOORE, JOSEPH W.*	Roxbury 117 Dale St.
MOORHEAD, JAMES K.	Pittsburg, Pa. 2 Columbus Sq.
OSGOOD, EDWARD G.*	Bellows Falls, Vt. . . 189 W. Canton St.
PICKLES, ROBERT F.*	Lawrence Lawrence.
PULLMAN, FREDERIC A.	New York, N. Y. . . . Lynn.
RUGGLES, HORACE F.	Brookline Brookline.
SMITH, GILBERT H.	Boston 2 Granville Pl.
SPERRY, HORACE B.	Oakland, Cal. Hotel Worcester.
SPRAGUE, GEORGE W.*	Pittsburg, Pa. 14 Holyoke St.
STEVENS, GEORGE H.*	Pittsfield 377 Columbus Ave.
TAYLOR, KENNETH M.*	Brookline Brookline.
THOMAS, JOHN H.	Louisville, Ky. . . . 357 Columbus Ave.
TAPP, WILL W.	Louisville, Ky. . . . 357 Columbus Ave.
VAN SANDS, HORACE*	Middletown, Ct. . . . 61 Clarendon St.
WILSON, FRANK S.	Brighton Brighton.

FIRST YEAR, 30.

Lowell · School · of · Practical · Design

: Students :

AKIN, THOMAS B.	New Bedford . . .	New Bedford.
BARSTOW, ANNIE H.	New Bedford . . .	New Bedford.
BONNEY, JOHN C. G.	New Bedford . . .	New Bedford.
BROWN, ADELAIDE L. C.	Hamilton	172 W. Newton St.
BRYANT, ALBERT	Melrose	Melrose.
CENTER, LIZZIE M.	Gloucester	Gloucester.
CODDING, WILLIAM A.	New Bedford . . .	New Bedford.
COFFEY, ELLA C.	Boston	4 Gardner Ave.
CROWTHER, FRANK	Canton	Canton.
CURTIS, MARION B.	Boston	15 Holyoke St.
DICKINSON, MARION	Springfield	232 W. Canton St.
DOANE, JULIA S.	Newtonville	Newtonville.
EMERY, FRED A.	Boston	201 Ruggles St.
FARNHAM, ONSVILLE F.	Lowell	28 Robinson St.
FELTON, LOUIS E.	Natick	Natick.
FOSTER, WINFRED C.	Fitchburg	Fitchburg.
FOWLE, WILLARD K.	Woburn	Woburn.
FRENCH, ISABELLE C.	Dedham	Dedham.
FULLER, MARGARET	Cambridge	Cambridge.
GARDNER, HARRIET E.	Brockton	Brockton.
GOERING, EDWIN B.	Boston	16 Beethoven St.
GOODWIN, GEORGIE I.	Boston	12 Gray St.
GOULD, MARY B.	Boston	29 Union Park.
GREEN, FRED W.	Boston	365 Silver St.
HADLEY, WALTER C.	New Bedford	New Bedford.
HALL, ALBERT G.	Boston	7 Walden Park.
HAUSHALTER, LEONA	Glenwood	Glenwood.
HAWES, NELLIE L.	Dorchester	Harrison Sq.
HAWES, WILLIAM C.	New Bedford	New Bedford.
HENCHMAN, RUSSELL B.	Hyde Park	Hyde Park.
HOOGS, MARGARETE I.	Hyde Park	Hyde Park.
HOYT, MABEL M.	Chelsea	Chelsea.

TECHNIQUE.

JENNINGS, PHILIP B.	Warren	Malden.
JOHNSON, CHARLES F.	Portland, Me.	31 Buckingham St.
KING, S. ROSCOE	Bradford	Cambridge.
KNOWLAND, JOHN B., JR.	Middleboro.	Middleboro.
LAMPRY, BELLE	Boston	137 High St.
LAWRIE, FRED H.	East Boston	77 Webster St.
MATHEWSON, FRANK C.	Providence, R. I.	18 Claremont Park.
NEALLEY, GRACE H.	Dover, N. H.	Dover, N. H.
POPE, WILLIAM F.	Leominster	25 Pinckney St.
RAND, JAMES L. G.	Dover, N. H.	14 Gates St.
REED, EATON V.	South Weymouth,	South Weymouth.
RICHARDS, CAROLINE	Boston	33 Hollis St.
RICKER, EVERETT W.	Jamaica Plain	Jamaica Plain.
ROBBINS, ANNA S.	Dorchester	204 Dartmouth St.
ROBINSON, LILLIAN V.	Boston	286 Beacon St.
SHEEHY, WILLIAM C.	New Bedford	New Bedford.
SJÖSTRÖM, EBBA C. S.	Lawrence	Lawrence.
SLOANE, BERTHA L.	Hyde Park	Hyde Park.
SMITH, ANNETTE	East Boston	177 Lexington St.
STEDMAN, JOSEPH C.	Jamaica Plain	Jamaica Plain.
SWEET, MARY R.	Hyde Park	Hyde Park.
TIRRELL, HERBERT W.	East Weymouth	East Weymouth.
TURNER, FRANCES E.	Vineland, N. J.	7 Hereford St.
UNDERWOOD, JOHN C.	Groton	Groton.
UNDERWOOD, WESTERN	Boston	643 Tremont St.
VOGEL, EMMA C.	South Boston	53 B St.
WHIPPLE, LILLIAN W.	Salem	Salem.
WHITMAN, GRACE	Newton	Newton.
WILSON, J. H.	Jamaica Plain	Lamartine St.

TOTAL, 61.

: Summary :

SCHOOL OF INDUSTRIAL SCIENCE.	
Graduate Students	19
Seniors	67
Juniors	132
Sophomores	195
Freshmen	214
	627
Deduct names counted twice	19
	608
SCHOOL OF MECHANIC ARTS.	
First Year	30
Second Year	30
	60
LOWELL SCHOOL OF PRACTICAL DESIGN	61
TOTAL	729

GRADUATES.

SCHOOL OF INDUSTRIAL SCIENCE	386
SCHOOL OF MECHANIC ARTS	26
LOWELL SCHOOL OF PRACTICAL DESIGN	136
TOTAL	548

: Graduation Exercises :

CLASS OF '85

TUESDAY, JUNE 2, 1885.

INTRODUCTION PROFESSOR RUNKLE.

READING OF ABSTRACTS, AND TITLES OF THESES,

AND

Presentation of Diplomas.

CHARLES RICKETSON ALLEN New Bedford, Mass.
Nitrogen in Sewage.

DAVID BAKER Auburndale, Mass.
Treatment of an Argentiferous Manganese Ore by Amalgamation.

EDWARD RAYMOND BENTON, Ph.D. Newton Center, Mass.
Some Points in Theatre Construction.

HEYWOOD COCHRAN Louisville, Ky.
An Investigation of the Modulus of Elasticity and some other Properties
of Cast Iron.

EDWARD HENRY DEWSON, Jr. Quincy, Mass.
An Experimental Study of the Balancing of the Action of the Reciprocating
Parts of a Locomotive.

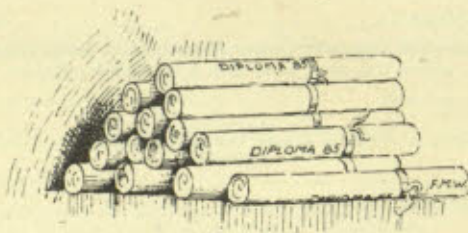
FREDERICK FOX, Jr. Portland, Me.
Albertite.

TECHNIQUE.

- THOMAS WILDER FRY Chicago, Ill.
Results of Experiments on the Steam Engines in the Mechanical Engineering Laboratory of the Massachusetts Institute of Technology.
- ROBERT RHEA GOODRICH South Boston, Mass.
Concentration of Calumet Sand for Copper.
- WALTER KENDRICK HARRINGTON Newport, R. I.
Design for a Wrought Iron Arched Bridge, to Carry the Main Avenue Across the Pond in the Boston Public Garden.
- ELEAZER BARTLETT HOMER Belmont, Mass.
Design for a Theatre.
- FRANK HERBERT LORD Somerville, Mass.
A Study of the Effect of the Reciprocating Parts on the Crank-Pin Pressure of Certain Engines.
- TRACY LYON Oswego, N. Y.
An Investigation of the Valve Gear of Several Types of Stationary Engines.
- HUGH MACRAE Wilmington, N. C.
Copper Refining.
- HENRY MARTIN Lowell, Mass.
Action of Bromine on the Substituted Anilides.
- ALLYNE LITCHFIELD MERRILL Cambridge, Mass.
Experiments on the Slipping and Friction of Oak-Tanned Leather Belts.
- EBEN GILES MERRILL Chelsea, Mass.
A Comparison of Tubes and Current Meters and an Investigation of Sub-surface Velocities, principally in Rectangular Flumes.
- EVERETT MORSS Boston, Mass.
The Smelting of Vershire Copper Ore and of Argentiferous Galena Concentrates.
- FREDERICK HAYNES NEWELL Bradford, Pa.
The Geology of the Bradford (Pa.) Oil Rocks.
- JOSEPH EDSON NUTE Boston, Mass.
The Sewerage of Malden, Mass.
- MARCELLA IMELDA O'GRADY Boston, Mass.
Studies in the Comparative Anatomy of the Sympathetic Nervous System.

TECHNIQUE.

- FRANK ALBERT PICKERNEL South Boston, Mass.
Electro-motors and their Efficiency.
- RICHARD HENRY PIERCE, A.B. Hopkinton, Mass.
Measurement of Strong Currents and High Electro-motive Forces.
- NEWBERT MOSES RANDALL East Boston, Mass.
The Smelting of Calumet "Black Jack" for Black Copper.
- OTIS TALBOT STANTIAL Melrose, Mass.
Treatment of Sombrefete Ore by Patera and Russell Processes.
- HENRY PAUL TALBOT Holliston, Mass.
Decomposition of Paraffine Hydrocarbons by Heat.
- GEORGE PHILIAS VANIER Boston, Mass.
Concentration of Low Grade Ores.
- ERASTUS WORTHINGTON, Jr. Dedham, Mass.
System of Water Supply for the Town of Canton, Mass.



: Certificates Awarded :

TO

CHARLES ALEXANDER HEATH Brookline, Mass.

Of the School of Mechanic Arts.

IDA A. BRAINERD Hyde Park, Mass.

SARAH A. DREW Cambridge, Mass.

LAURA J. FISK Shelburne, Mass.

LEWIS G. FLAGG Hanover, N. H.

NELLIE F. GAGE Boston, Mass.

GEORGE O. IRISH New Bedford, Mass.

SARAH N. MACOMBER Boston, Mass.

FRANK H. MARTIN Providence, R. I.

FRED W. NOYES Melrose, Mass.

ULYSSES S. G. RAWLINGS Boston, Mass.

JAMES F. SMITH Boston, Mass.

FRED A. SPRINGER Marlboro, Mass.

WILL C. SWAIN Dover, N. H.

GEORGE A. D. TEW Worcester, Mass.

WALTER A. UNDERWOOD Boston, Mass.

ABBA I. WARD Boston, Mass.

MARY A. WHITE Chelsea, Mass.

EMILY H. WILSON Needham, Mass.

Of the Lowell School of Practical Design.

: Alumni Association :

OF THE

MASSACHUSETTS INSTITUTE OF TECHNOLOGY.

OFFICERS.

President.

HOWARD A. CARSON, '69.

Vice-President.

S. E. TINKHAM, '73.

Secretary.

GEORGE F. SWAIN, '77.

Executive Committee.

The PRESIDENT, VICE-PRESIDENT, and SECRETARY.

S. M. FELTON, Jr., '73 Term expires 1886.

S. J. MIXTER, '75 " " 1887.

Alumni Committee on the School.

J. RAYNER EDMANDS, '69 Term expires 1887.

C. O. PARSONS, '73 " " 1886.

F. G. STANTIAL, '79 " " 1888.

Trustees of the Alumni Fund.

JOSEPH STONE, '68 Term expires 1887.

HOWARD A. CARSON, '69 " " 1889.

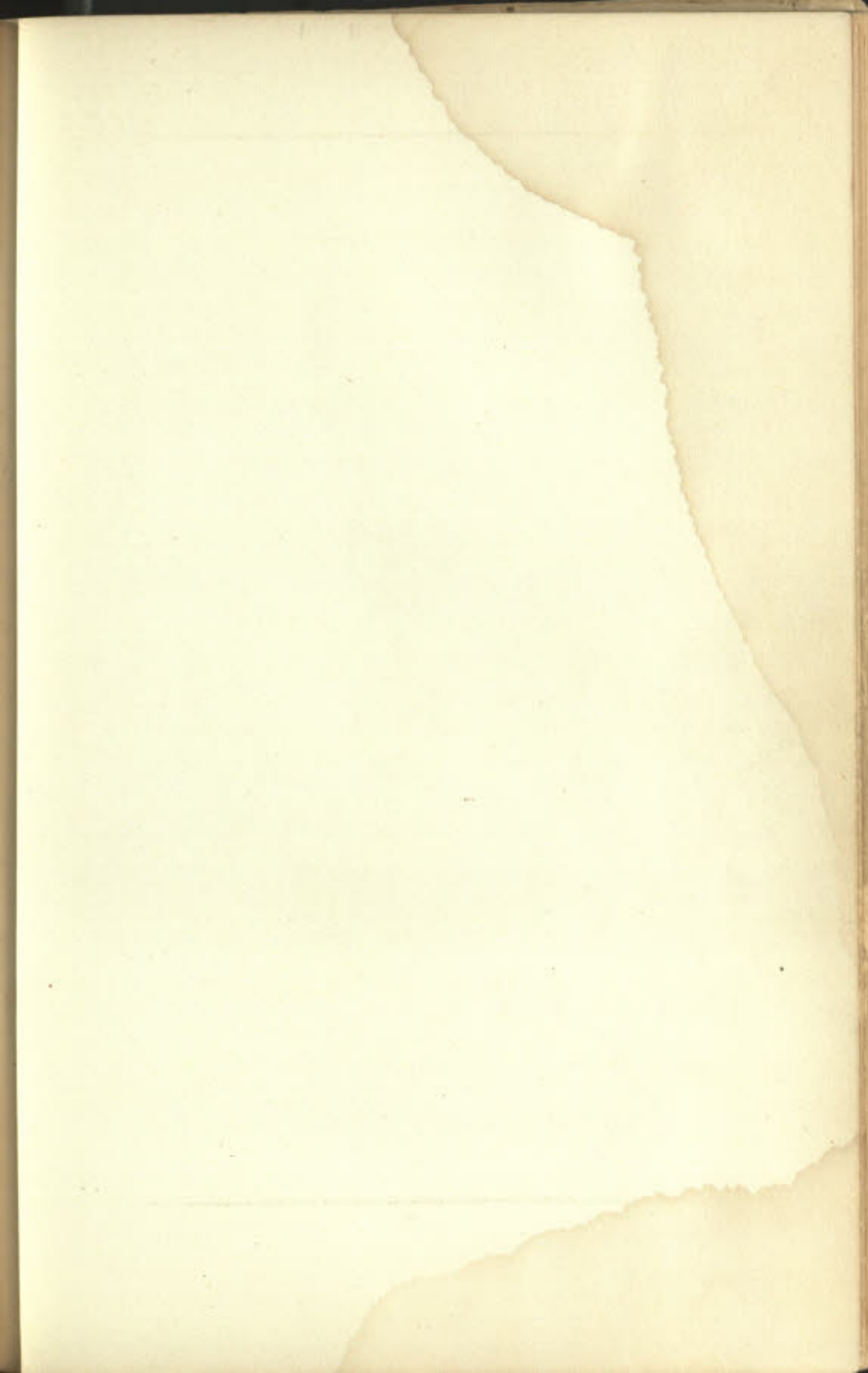
JAMES P. TOLMAN, '68 " " 1891.



: Sigma Chi :

ROLL OF CHAPTERS.

1855.	A.	Ohio Wesleyan University.
1857.	H.	University of Mississippi.
1858.	A.	Indiana State University.
1859.	E.	Indiana Asbury University.
1859.	O.	Dickinson College.
1859.	Ψ.	University of Virginia.
1863.	Θ.	Pennsylvania College.
1864.	K.	University at Lewisburg.
1866.	Z.	Washington and Lee University.
1866.	P.	Butler University.
1867.	Φ.	Lafayette College.
1867.	M.	Denison University.
1869.	Ω.	Northwestern University.
1871.	X.	Hanover College.
1872.	Π.	Howard College.
1872.	T.	Roanoke College.
1872.	Σ. Σ.	Hampden-Sydney College.
1873.	B.	Wooster University.
1874.	Γ. Γ.	Randolph-Macon College.
1874.	Δ. Δ.	Purdue University.
1876.	Z. Z.	Centre College.
1877.	Θ. Θ.	University of Michigan.
1880.	Δ. X.	Wabash College.
1881.	K. K.	Illinois Industrial University.
1882.	Z. Ψ.	University of Cincinnati.
1882.	X. Ψ.	University of Louisiana.
1882.	A. Γ.	Ohio State University.
1882.	A. Z.	Beloit College.
1882.	A. H.	University of Iowa.
1882.	A. Θ.	Massachusetts Institute of Technology.
1883.	A. Δ.	Stevens Institute of Technology.
1883.	A. E.	University of Nebraska.
1883.	A. I.	Illinois Wesleyan University.
1883.	A. K.	Hillsdale College.
1884.	A. Λ.	Wisconsin State University.
1884.	A. M.	Virginia Military Academy.
1884.	Φ. Φ.	University of Pennsylvania.
1884.	A. Ξ.	University of Kansas.
1884.	A. Nu.	University of Texas.





DREKA.FRIA.

∴ Sigma Chi Fraternity ∴

ALPHA THETA CHAPTER.

ESTABLISHED MARCH 22, 1882.

ACTIVE MEMBERS.

WM. M. TAYLOR.

THEODORE STEBBINS.

FREDERICK W. PUTNAM.

CHARLES WOOD.

HARRY B. MERRIAM.

DAVID VAN ALSTINE.

FREDERIC P. GULLIVER.

EDGAR A. FROST.

ALBERT D. CURRIER.

FREDERICK H. MUHLENBERG.

MAURICE DU PONT.

GUY KIRKHAM.

JULIAN V. WRIGHT.

J. S. G. B. RAY.

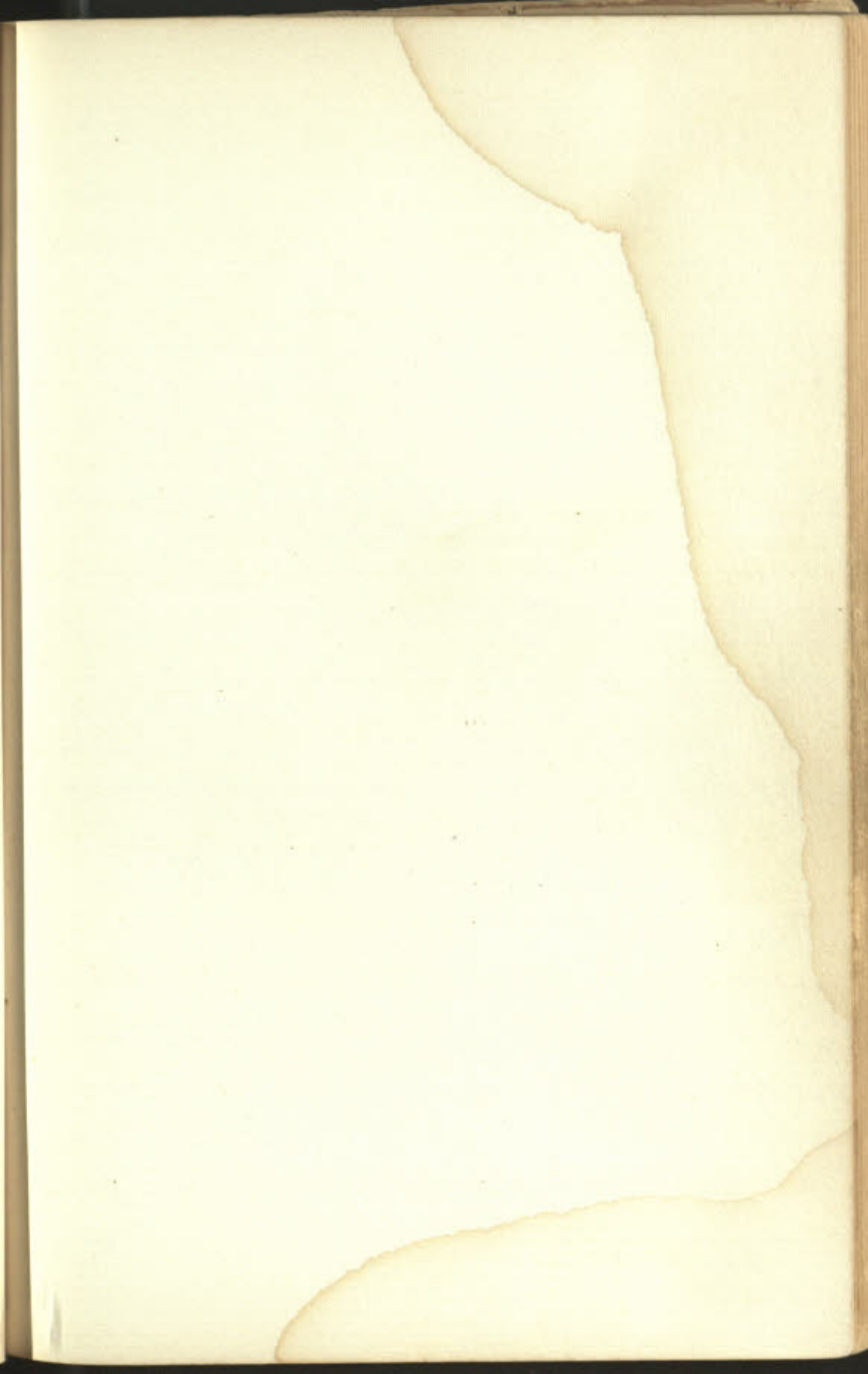
J. H. MCCORTNEY.

N. P. AMES CARTER.

∴ Theta Xi ∴

ROLL OF CHAPTERS.

1864. A. Rensselaer Polytechnic Institute.
1867. B. Yale College.
1874. F. Stevens Institute of Technology.
1885. Δ. Massachusetts Institute of Technology.





J.A. Lovell & Co. Boston

1851.

: Beta Xi Fraternity :

DELTA CHAPTER.

MEMBERS.

ABRAM H. BADGER.
WARNER J. BANES.
MORTON E. COBB.
WILLIAM B. DOUGLAS.
GEORGE O. DRAPER.
LYMAN FARWELL.

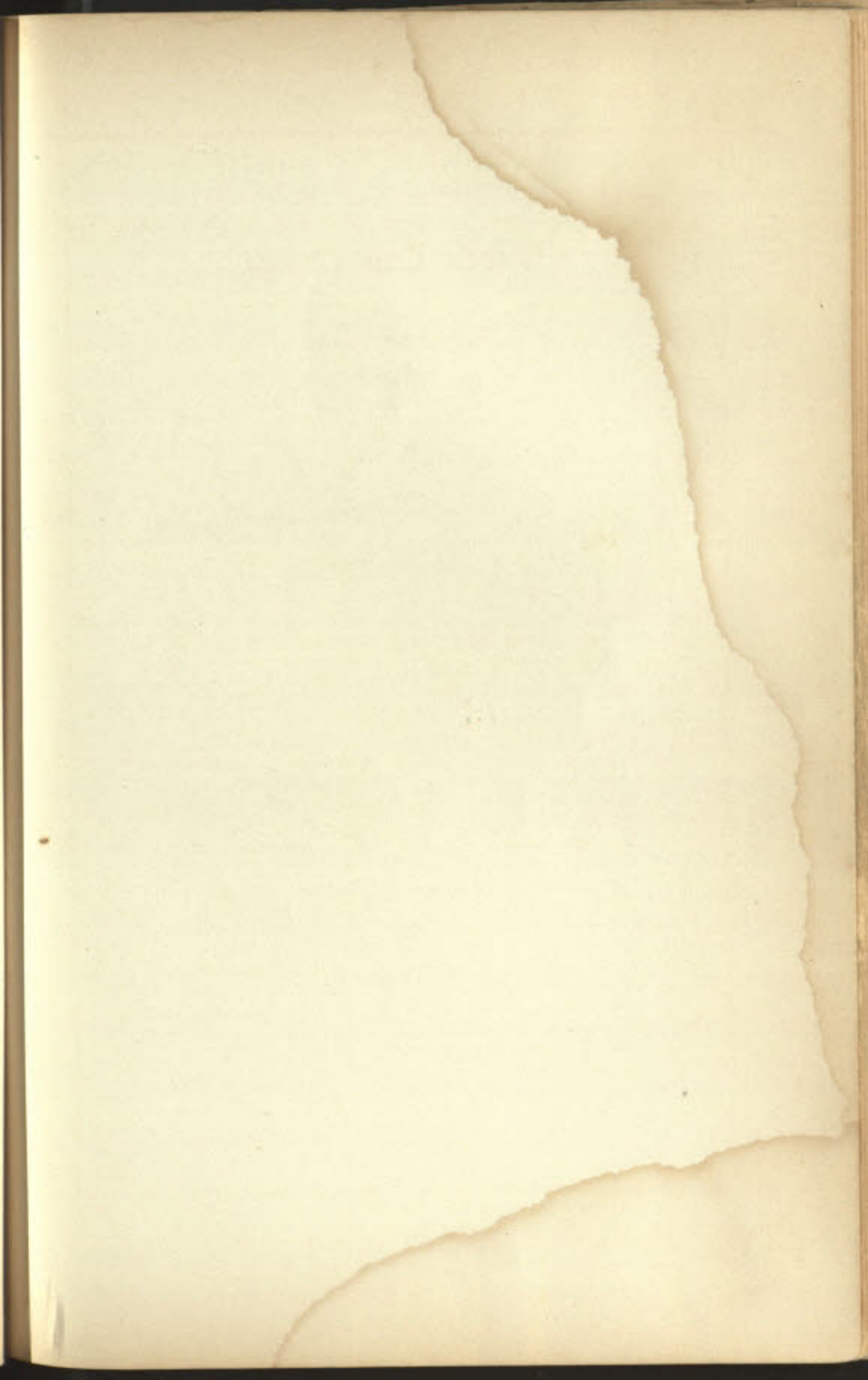
EDWARD W. HEATH.
JAMES H. MIRRLEES.
JOHN L. SHORTALL.
TIMOTHY W. SPRAGUE.
SOLOMON STURGES.
FREDERICK THOMPSON.

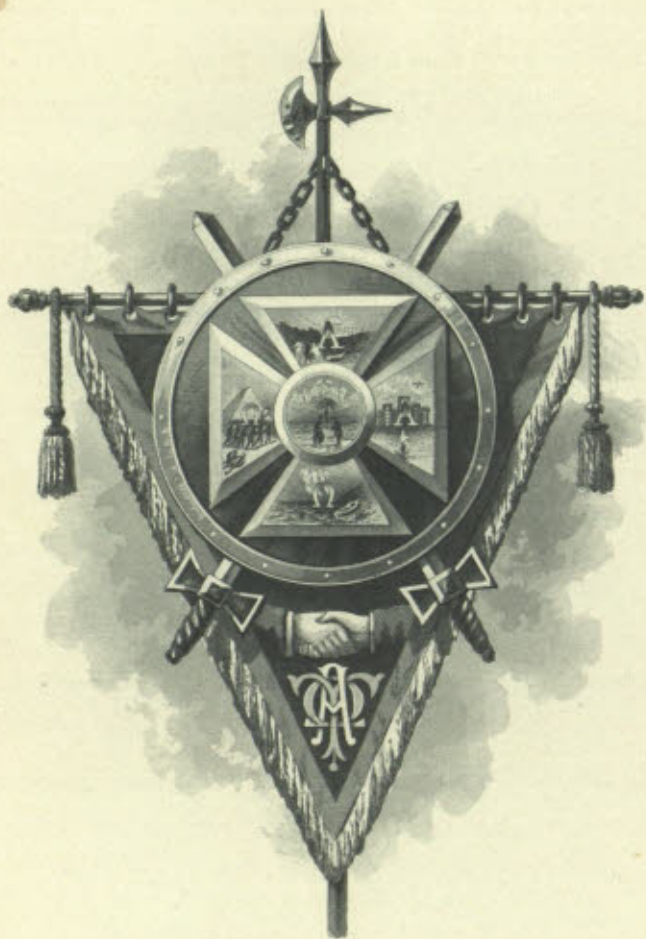
: Alpha Tau Omega :

FOUNDED SEPTEMBER 11, 1865.

ROLL OF ACTIVE CHAPTERS.

1865.	VIRGINIA BETA	Washington and Lee Univ'y.
1868.	VIRGINIA DELTA	University of Virginia.
1869*	VIRGINIA EPSILON	Roanoke College.
1884.	KENTUCKY ZETA	Central University.
1870*	KENTUCKY MU	Kentucky Military Institute.
1877.	TENNESSEE OMEGA	University of the South.
1878.	GEORGIA ALPHA BETA	University of Georgia.
1879.	NORTH CAROLINA ALPHA DELTA	University of North Carolina.
1879.	ALABAMA ALPHA EPSILON	} Alabama Agricultural and Mechanical College.
1880.	GEORGIA ALPHA ZETA	
1881.	NORTH CAROLINA ALPHA ETA	_____
1881.	PENNSYLVANIA TAU	University of Pennsylvania.
1881.	GEORGIA ALPHA THETA	Emory College.
1881.	NEW JERSEY ALPHA KAPPA	Stevens Inst. of Technology.
1881.	MICHIGAN ALPHA MU	Adrian College.
1882.	OHIO ALPHA NU	Mt. Union College.
1882.	NEW YORK ALPHA OMICRON	St. Lawrence University.
1882.	PENNSYLVANIA ALPHA RHO	Lehigh University.
1882.	TENNESSEE ALPHA TAU	S. W. Presbyterian University.
1882.	PENNSYLVANIA ALPHA UPSILON	Pennsylvania College.
1884.	OHIO ALPHA PSI	Wittenberg College.
1883.	SOUTH CAROLINA ALPHA PHI	South Carolina College.
1884.	FLORIDA ALPHA OMEGA	University of Florida.
1885.	IOWA BETA ALPHA	Simpson Centenary College.
1885.	ALABAMA BETA BETA	Southern University.
1885.	MASSACHUSETTS BETA GAMMA	Mass. Institute of Technology.
1885.	ALABAMA BETA DELTA	University of Alabama.





OPERA PVBLA.

∴ Alpha Tau Omega ∴

MASSACHUSETTS BETA GAMMA CHAPTER.

ESTABLISHED 1885.

IN URBE.

M. S. HARLOW (N. J., A.K.)

CLASS OF '87.

WM. L. HARRIS.

WALTER H. GLEASON.

T. D. BRAINERD.

QUINTARD PETERS.

J. A. CAMERON.

H. B. BRAINERD.

C. D. UNDERHILL.

CLASS OF '88.

W. L. DEARBORN.

F. W. HOADLEY.

HAROLD BINNEY.

: Other Fraternities Represented :

ALPHA DELTA PHI.

J. C. SMITH Brunonian Chapter.

BETA THETA PI.

H. M. CARTER Alpha Eta Chapter.

A. P. FOLWELL, A.B. Kappa Chapter.

THOS. C. KING, A.B. Alpha Mu Chapter.

CHI PSI.

HARRY W. CLARK Psi Alpha Chapter.

HENRY J. HORN, Jr. Alpha Nu Chapter.

DELTA UPSILON.

ELLISON C. MEANS Marietta Chapter.

GEORGE F. REYNOLDS Northwestern Chapter.

KAPPA ALPHA.

(SOUTHERN ORDER.)

B. S. REDD Eta Chapter.

PHI KAPPA PSI.

JOHN E. DOAK Alpha Chapter, of California.

C. H. GARDINER Alpha Chapter, of Dist. of Columbia.

ARTHUR R. NICKELS Carlton College Chapter.

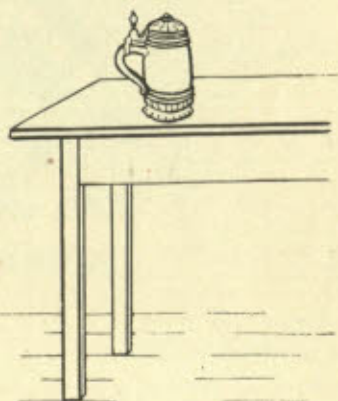
PSI UPSILON.

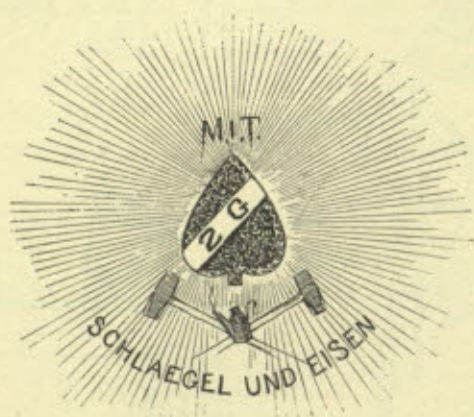
GEO. W. PATTERSON, Jr., A.B. Beta Chapter.

SIGMA PHI.

MAURICE P. VIELÉ Delta Chapter, of New York.

LOCAL SOCIETIES





: 2 G. Society :

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JAMES E. SIMPSON.

Secretary.

NORMAN Q. STEWART.

Treasurer.

ARTHUR C. ANTHONY.

HENRY SOUTHER, Jr., G.K.T.

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CHARLES L. BURLINGHAM.

FRANK D. CARNEY.

WILLIAM H. CHADBOURNE.

WALTER R. INGALLS.

JAMES E. SIMPSON.

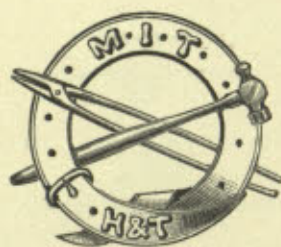
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NORMAN Q. STEWART.

TIMOTHY W. SPRAGUE.

ELWOOD C. WILSON.

GRANGER WHITNEY.



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SOLOMON STURGES.

S. W. BOWLES, JR.

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WALTER C. FISH.

JULIAN A. CAMERON.

HENRY D. SEARS.

JOHN S. G. B. RAY.

HAROLD O. BINNEY.

THE HISTORY OF THE

FRANCIS



: C. B. A. :

FOUNDED 1884.

OFFICERS.

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Vice-President.

HENRY B. BALL.

* Sentinel.

HENRY F. BIGELOW.

Secretary.

ALGERNON S. C. WARREN.

Treasurer.

F. L. V. HOPPIN.

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MANUEL DE AJURIA.

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ELLERY C. COFFIN.

WILLIAM L. DEARBORN.

ALGERNON S. C. WARREN.

FRANCIS L. V. HOPPIN.

RICHARD DEVENS.

ARTHUR T. BRADLEE.

MINTURN T. WRIGHT.

OLIVER F. WADSWORTH, Jr.



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GUY KIRKHAM.

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HENRY D. SEARS.

SOLOMON STURGES.

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FRED. F. BARBOUR.
WILLIAM S. BLISS.
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WALTER C. BRACE.
HENRY B. BRAINERD.
THOMAS D. BRAINERD.
FRANK G. BURGESS.
JULIAN A. CAMERON.
FRANK D. CARNEY.
EDWARD G. CRAIGHEY.
MORTON E. COBB.

STEPHEN E. COOMBS.
GEORGE F. CURTISS.
GEO. O. DRAPER.
JESSE L. R. ELIOT.
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JOHN M. FOX.
JOSEPH B. GAY.
WALTER H. GLEASON.
EDWARD O. GOSS.
C. F. M. GUILD.
FREDERIC P. GULLIVER.
WILLIAM L. HARRIS.

TECHNIQUE.

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HENRY F. HILL.	FRANK L. SOLOMON.
CHARLES L. HOLMES.	HOLLON C. SPAULDING.
OREN S. HUSSEY.	TIMOTHY W. SPRAGUE.
EDWARD A. JONES.	JAMES H. STANWOOD.
CHARLES B. KENDALL.	JOHN W. STEARNS.
HARRY W. KIMBALL.	NORMAN Q. STEWART.
GUY KIRKHAM.	HENRY F. STODDARD.
BENJ. C. LANE.	SOLOMON STURGES.
JOSEPH B. LOEWENTHAL.	GEORGE E. SYLVESTER.
GEORGE L. MANNING.	GILES TAINTOR.
JAMES H. MIRRLISS.	EDWARD G. THOMAS.
HERBERT W. NORTHEY.	WILLIAM R. THOMAS.
GEORGE F. PATTERSON.	FREDERICK THOMPSON.
QUINTARD PETERS.	WALTER S. THOMPSON.
CHARLES A. PROCTOR.	FREDERICK C. TODD.
FRANZ H. SCHWARZ.	HARRY F. TOTMAN.
HENRY D. SEARS.	F. MANTON WAKEFIELD.
WILLARD T. SEARS.	GRANGER WHITNEY.
FRANK E. SHEPARD.	JOSEPH T. WHITNEY.
CHARLES P. SMITH.	HERBERT A. WILCOX.
JOHN L. SHORTALL.	ARTHUR S. WILLIAMS.



SONG OF SOCIETY OF '87.

WE meet again, my boys!
Our hearts brimful of joys,
Keeping whatever annoys
From Eighty-seven.
If disappointment brings
Dark days on its black wings,
"We hope for better things,"—
There rests our heaven.

Joined in our studies here,
Joined in our hours of cheer,
Drawn closer year by year
In friendship fond:
Magnet and armature,
Circuit of friendship pure,
Long may thy power endure,
A pleasing bond!

GUY KIRKHAM.

: Society of '88 :

OFFICERS.

President.

GEORGE C. DEMPSEY.

Vice-President.

HARRY C. MOORE.

Secretary.

GEORGE U. G. HOLMAN.

Treasurer.

HENRY J. HORN, Jr.

Entertainment Committee.

LORENZO B. NEWELL.

ELLISON C. MEANS.

HOWARD G. HODGKINS.

MEMBERS.

HENRY S. ADAMS.
WILL S. ALDRICH.
HIRAM E. BALDWIN.
JAMES C. T. BALDWIN.
HENRY D. BATES.
WILLIAM M. BEAMAN.
HENRY F. BIGELOW.
HAROLD O. BINNEY.
WINSLOW BLANCHARD.
JOHN BLODGETT.
NATHANIEL I. BOWDITCH.
ARTHUR T. BRADLEE.

BENJ. G. BUTTOLPH.
EDWARD G. CAUGHEY.
STEPHEN CHILD.
GEORGE E. CLAFLIN.
RUSSELL M. CLEMENT.
SYLVANUS H. COBB.
ARTHUR J. CONNER.
CHARLES H. CROMWELL.
EUGENE S. DANIELL.
WILLIAM L. DEARBORN.
GEORGE C. DEMPSEY.
RICHARD DEVENS.

TECHNIQUE.

MAURICE DU PONT.
EDGAR F. DUTTON.
RICHARD EPPES, Jr.
LOUIS A. FERGUSON.
THEODORE A. FOQUE.
AMORY P. FOLWELL.
STEJIRAU FUKUZAWA.
JAMES E. FULLER, Jr.
WALTER C. GAGE.
AMBROSE P. GAINES.
WILLIAM H. GERRISH.
EDWARD S. GOULD.
EDWARD H. GRAVES.
GEORGE W. HAMBLETT.
GEORGE L. HARVEY.
JOHN W. HAWES.
EDWARD W. HEATH.
EDWARD W. HERRICK.
GEORGE U. G. HOLMAN.
HOWARD G. HODGKINS.
FRANCIS L. V. HOPPIN.
HENRY J. HORN, Jr.
HERBERT M. HOWES.
ALEXANDER JARECKI.
LEWIS E. JOHNSON.
EDWIN O. JORDAN.
WILLIAM T. KEOUGH.
JOHN W. LINZEE, Jr.
BENJ. C. LOCKETT.
ERNEST S. MAY.
ELLISON C. MEANS.
CHARLES G. MERRELL.
SUMNER B. MERRICK.
FRANK A. MOORE.
HARRY C. MOORE.
WILLIAM E. MOTT.
CHARLES H. MOWER.
SAMUEL G. NEILER.
LORENZO B. NEWELL.
ADDISON D. NICKERSON.
HAROLD P. PALMER.
CLARENCE W. PERLEY.
EDWARD P. QUIGLEY.
FOSTER RANLETT.
BENOIST S. REDD.
RUSSELL ROBB.
FREDERICK H. SAFFORD.
GEORGE C. SCALES.
WALTER E. SILSBEE.
DAVID SILVERBERG.
IVAR L. SjöSTRÖM.
WILLIAM G. SNOW.
CHARLES W. STEVENS.
CHARLES A. STONE.
JOHN SULLY.
SUMNER E. SWASEY.
RALPH SWEETLAND.
WILLIAM W. UNDERHILL.
RICHARD H. VOSE.
ALGERNON S. WARREN.
EDWIN S. WEBSTER.
SAMUEL WHEELER.
ARTHUR S. WILLIAMS.
VICTOR WINDETT.
FREDERICK J. WOOD.
AMOS E. WOODWARD.
JULIAN V. WRIGHT.
STEWART WRIGHTINGTON.
PHILIP H. WYNNE.

: Society of '89 :

THE Society of '89 met for the first time November 21st. Mr. Bardwell was elected temporary chairman, and the following committee was appointed to draw up a constitution and by-laws:—

MESSRS.

BARDWELL.	LA ROSE.
H. G. BAILEY.	SIMPSON.
OLZENDAM.	YOUNG.

Among those present, the following gentlemen signified their intention of becoming members of the Society:—

MESSRS.

YOUNG.	SIMPSON.
CLEMENT.	APPLETON.
BAILEY (H. G.).	MARCY.
BANES.	BATES (H. W.).
BARDWELL.	OLZENDAM.
PIERCE.	CHENEY.
BADGER.	EWEN.
BLISS.	HAWKINS.
DURFEE.	HYDE.
CHADWICK.	AYER.
LA ROSE.	BAILEY (H. N.).
MORGAN.	MORSE.
DUNPHE.	DURFEE.

The regular formation was not completed in time for publication.

∴ R₂ S. ∴

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W. D. WINDOM.

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C. BELLE KENNEY.

JAMES D. LLOYD.
WILSON H. LOW.
ARTHUR A. NOYES.
L. KIMBALL RUSSELL.

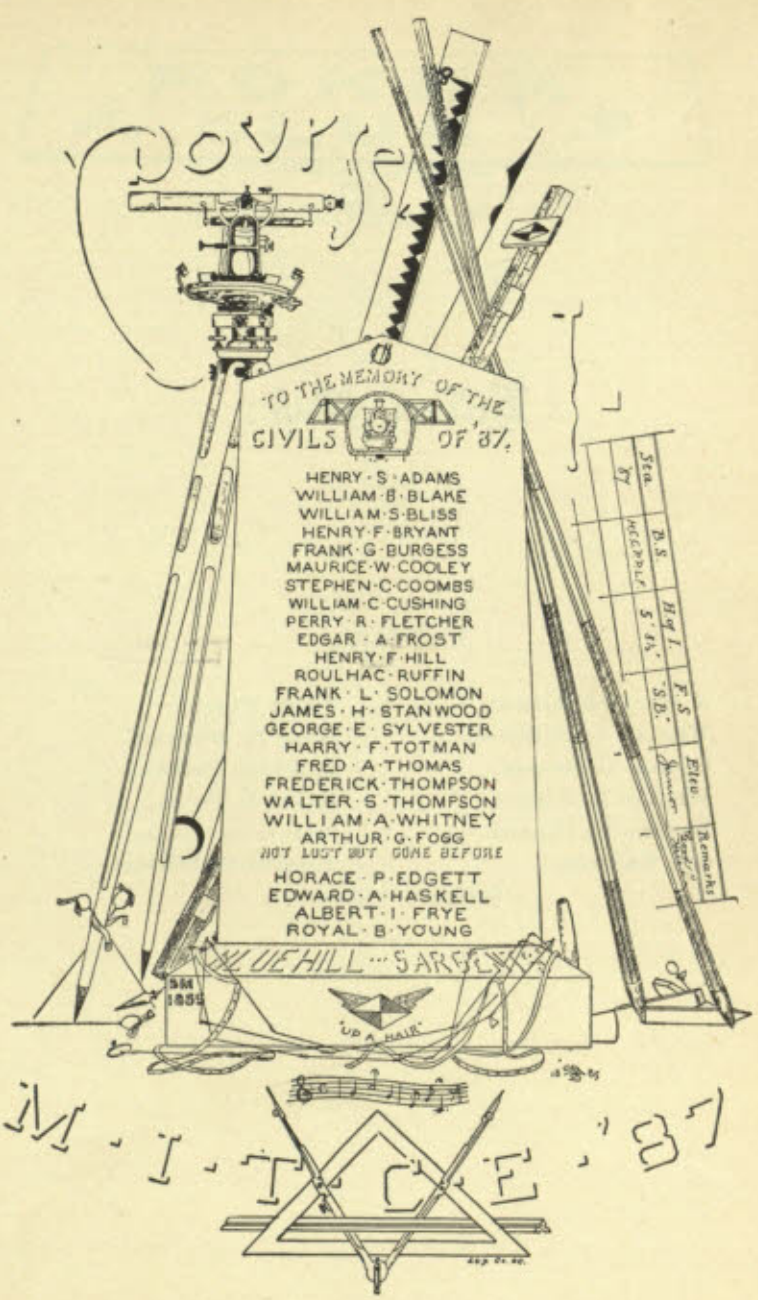
: '86 Civils :



LOUIS R. COBB.
LOUIS F. CUTTER.
FRED. E. FOSS.
WILLIAM F. JORDAN.
FRANK L. LOCKE.

HARRY B. MERRIAM.
ARTHUR G. ROBBINS.
J. WALDO SMITH.
SAMUEL C. STICKNEY.
LAWRENCE M. THACHER.

CHARLES WOOD.



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 CIVILS OF '87.

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- WILLIAM · B · BLAKE
- WILLIAM · S · BLISS
- HENRY · F · BRYANT
- FRANK · G · BURGESS
- MAURICE · W · COOLEY
- STEPHEN · C · COOMBS
- WILLIAM · C · CUSHING
- PERRY · R · FLETCHER
- EDGAR · A · FROST
- HENRY · F · HILL
- ROULHAC · RUFFIN
- FRANK · L · SOLOMON
- JAMES · H · STANWOOD
- GEORGE · E · SYLVESTER
- HARRY · F · TOTMAN
- FRED · A · THOMAS
- FREDERICK · THOMPSON
- WALTER · S · THOMPSON
- WILLIAM · A · WHITNEY
- ARTHUR · G · FOGG
- NOT LOST BUT GONE BEFORE
- HORACE · P · EDGETT
- EDWARD · A · HASKELL
- ALBERT · I · FRYE
- ROYAL · B · YOUNG

Sea	Hgt	F.S.	Elev	Remarks
W	5' 4 1/2"	S.B.		

W. DE HILL SARGENT

UP A HAIR

M - I - T - C - E '87

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GEORGE O. DRAPER.

WILLIAM L. HARRIS.

EDWARD W. HERRICK.

GUY KIRKHAM.

ROGER MORGAN.

JAMES H. MIRRLESS.

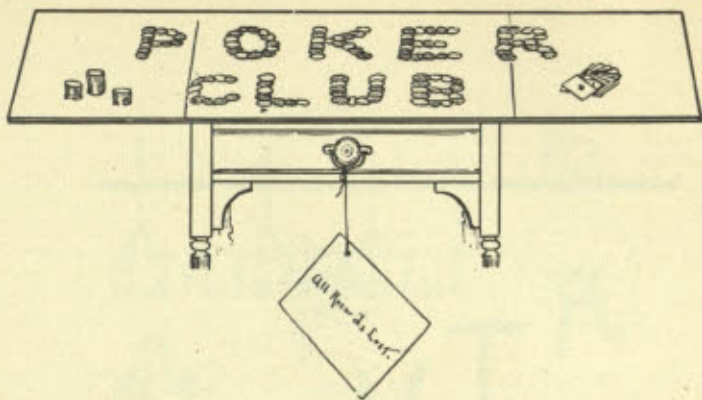
QUINTARD PETERS.

HENRY D. SEARS.

JOHN L. SHORTALL.

TIMOTHY W. SPRAGUE.

SOLOMON STURGES.







1884-85.

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H. M. STEELE, '87.

A. H. TWOMBLY, '87.

W. L. DEARBORN, '88.

: Outdoor Fall Meeting :

UNION GROUNDS, NOV. 1, 1884.

<i>100 Yards Dash</i>	F. R. YOUNG, '86	10 3-5 s.
<i>One Mile Walk</i>	G. W. FARMER, '86	8 m. 24 1-2 s.
<i>Half Mile Run</i>	H. F. HILL, '87	2 m. 17 3-4 s.
<i>Running High Jump</i>	W. L. DEARBORN, '88	5 ft. 4 in.
<i>One Mile Run</i>	E. L. PIERCE, '86	5 m. 25 s.
<i>Putting Shot</i>	F. R. YOUNG, '86	32 ft. 7 1-2 in.
<i>Two Mile Bicycle Race</i>	H. SOUTHER, Jr., '87	7 m. 55 1-2 s.
<i>Quarter Mile Run</i>	L. R. COBB, '86	58 2-5 s.
<i>Throwing Base-ball</i>	W. B. DOUGLAS, '87	300 ft. 6 in.
<i>Running Broad Jump</i>	M. E. COBB, '87	17 ft. 4 1-2 in.
<i>120 Yards Hurdle Race</i>	SOLOMON STURGES, '87	19 3-5 s.
<i>Kicking Foot-ball</i>	SOLOMON STURGES, '87	129 ft.
<i>Standing Broad Jump</i>	H. F. HILL, '87	9 ft. 2 in.
<i>220 Yards Dash</i>	G. F. STEELE, '85	26 3-5 s.
<i>Three-legged Race</i>	HILL, '87, PIERCE, '86.	

SUMMARY.

'85 won	1
'86 "	5
'87 "	7
'88 "	1

: Indoor Winter Meeting :

DECEMBER 20, 1884.

<i>Fence-vault (Hd'cp)</i> . . .	W. L. DEARBORN, '88 (1 1-2 in.),	6 ft. 6 5-8 in.
<i>Putting Shot</i>	F. R. YOUNG, '86	33 ft. 3 1-2 in.
<i>Running High Jump</i> . . .	F. R. YOUNG, '86	5 ft. 3 1-2 in.
<i>Indian Club Swinging</i> . .	G. L. BILLINGS, '87	
<i>Tug of War</i>	CLASS '86	
<i>Fencing</i>	W. H. LOW, '86	
<i>Running High Kick</i> . . .	H. F. HILL, '87	8 ft. 5 1-2 in.
<i>Feather-weight Sparring</i> .	E. P. QUIGLEY, '88	
<i>Light-weight Sparring</i> .	H. P. DUKER, '87	

SUMMARY.

'86 won	4
'87 "	3
'88 "	2

: Indoor Spring Meeting :

MARCH, 1888.

<i>Parallel Bars</i>	H. M. STEELE, '87
<i>Run'g High Jump (Hd'cp)</i>	J. L. KIMBALL (2 in.) 5 ft. 6 in.
<i>Putting Shot</i>	J. F. CUNNINGHAM, U. A. A. C., 34 ft. 10 in.
<i>Tug of War</i>	B. Y. M. C. A.
<i>Standing High Jump</i>	F. R. YOUNG, '86 4 ft. 10 in.
<i>Pole Vault</i>	P. R. FROTHINGHAM, H. A. A., 9 ft.
<i>Running High Kick</i>	W. S. PHILLIPS 9 ft. 1 in.
<i>Feather-weight Sparring</i>	J. D. WILLIAMS, U. A. A. C.
<i>Light-weight Sparring</i>	H. TAGGARD, B. Y. M. C. U.
<i>Middle-weight Sparring</i>	M. H. CLYDE, H. A. A.

∴ M. J. T. Q. C. ∴

1885-86.

President.

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T. D. BRAINERD, '87.

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THEODORE STEBBINS, '86.

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S. W. BOWLES, '87.

W. L. DEARBORN, '88.

_____ '89.



: Best College Records :

EVENT.	HOLDER.	COLLEGE.	RECORD.
<i>100 Yards Dash</i>	WENDELL . . .	Harvard . .	10 s.
<i>220 Yards Dash</i>	BAKER	Harvard . .	22 2-5 s.
<i>Quarter Mile Run</i>	BAKER	Harvard . .	50 1-4 s.
<i>Half Mile Run</i>	GOODWIN . . .	Harvard . .	2 m. 4-5 s.
<i>One Mile Run</i>	CUYLER	Yale	4 m. 37 3-5 s.
<i>120 Yards Hurdle Race</i> .	MULFORD . . .	Columbia .	17 1-2 s.
<i>One Mile Walk</i>	ELDRIDGE . . .	Columbia .	7 m. 7 4-5 s.
<i>Two Mile Bicycle Race.</i> .	DEAN	Harvard . .	6 m. 28 s.
<i>Running High Jump</i> . . .	PAGE	Un. of Pa. .	6 ft. 1-4 in.
<i>Standing High Jump</i> . . .	SOREN	Harvard . .	5 ft. 1 1-2 in.
<i>Pole Vault</i>	TOLER	Princeton .	10 ft. 1 in.
<i>Putting Shot</i>	ROHRBACH . . .	Lafayette .	38 ft. 1 in.
<i>Fence Vault.</i>	ATKINSON . . .	Harvard . .	7 ft. 3 3-4 in.
<i>Standing Broad Jump.</i> . .	LARKIN	Princeton .	10 ft. 3 3-8 in.
<i>Running Broad Jump</i> . . .	JENKINS	Columbia .	21 ft. 3 in.
<i>Running High Kick.</i> . . .	FOGG	Harvard . .	9 ft. 2 3-4 in.
<i>Throwing Hammer</i>	KIP	Harvard . .	88 feet.

: Best Institute Records :

<i>100 Yards Run</i>	F. R. YOUNG, '86	10 3-5 s.
<i>220 Yards Run</i>	L. R. COBB, '86	26 1-5 s.
<i>Quarter Mile Run</i>	L. R. COBB, '86	58 2-5 s.
<i>Half Mile Run</i>	H. F. HILL, '87	2 m. 17 3-4 s.
<i>One Mile Run</i>	E. L. PIERCE, '86	5 m. 24 s.
<i>120 Yards Hurdle Race</i>	S. STURGES, '87	19 2-5 s.
<i>One Mile Walk</i>	J. DUFF, '81	8 m. 16 s.
<i>Two Mile Bicycle Race</i>	H. SOUTHER, Jr., '87	7 m. 55 s.
<i>Running High Jump</i>	{ G. L. HEINS, '82 } { J. L. KIMBALL, '87 }	5 ft. 6 in.
<i>Standing High Jump</i>	F. R. YOUNG, '86	4 ft. 10 in.
<i>Pole Vault</i>	E. T. STURGIS, '84	9 ft. 4 in.
<i>Putting Shot (16 lbs.)</i>	P. R. FLETCHER, '87	34 ft. 9 1-2 in.
<i>Fence Vault</i>	W. T. RIPLEY, '82	7 ft 2 in.
<i>Standing Broad Jump</i>	H. F. HILL, '87	9 ft. 2 in.
<i>Running High Kick</i>	T. C. DU PONT, '83	8 ft. 8 in.
<i>Running Broad Jump</i>	M. E. COBB, '87	17 ft. 4 1-2 in.

The Base Ball.
* Association.



1884-85.

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Captain.

W. B. DOUGLAS, '87.

SUMMARY OF GAMES FOR 1885.

1. APRIL 11th, at Cambridge.—HARVARD, 11; TECHS, 4.

TWOMBLY, '87, 3d b.; KENDRICKEN, M. A., r. f. and s. s.; DOUGLAS, '87, 2d b.; THOMAS, '87, p.; STURGES, '87, 1st b.; BUSH, M. A., c. and l. f.; KIRKHAM, '87, c. f.; FLETCHER, '87, l. f. and r. f.; CLEMENT, '88, s. s. and c.

2. APRIL 18th, on Union Grounds, Boston.—DARTMOUTH, 17; TECHS, 3.

TWOMBLY, '87, s. s.; CARLETON, '87, 3d b.; DOUGLAS, '87, 2d b.; THOMAS, '87, p.; BUSH, M. A., r. f.; KENDRICKEN, M. A., l. f.; CLEMENT, '88, c.; STURGES, '87, 1st b.; KIRKHAM, '87, c. f.

TECHNIQUE.

3. APRIL 21st, at Providence.—TECHS, 5; BROWN, 2.
TWOMBLY, '87, 3d b.; CARLETON, '87, s. s.; DOUGLAS, '87, 2d b.;
THOMAS, '87, p.; CLEMENT, '88, c.; KIMBALL, '87, r. f.; SANDS, '85,
l. f.; STURGES, '87, 1st b.; KIRKHAM, '87, c. f.
4. APRIL 25th, at Cambridge.—HARVARD, 19; TECHS, 5.
TWOMBLY, '87, 3d b.; CARLETON, '87, s. s.; DOUGLAS, '87, 2d b.;
THOMAS, '87, p.; CLEMENT, '88, c.; KIRKHAM, '87, c. f.; KIMBALL,
'87, l. f.; BUSH, M. A., r. f.; STURGES, '87, 1st b.
5. MAY 6th, at Haverhill, Mass.—HAVERHILLS, 12; TECHS, 10.
TWOMBLY, '87, 3d b.; CARLETON, '87, s. s.; DOUGLAS, '87, 2d b.;
THOMAS, '87, p.; CLEMENT, '88, c.; KIRKHAM, '87, c. f.; KIMBALL,
'87, r. f.; BRAINERD, '86, l. f.; STURGES, '87, 1st b.
6. MAY 9th, Union Grounds.—BEACONS, 16; TECHS, 7.
TWOMBLY, '87, 3d b.; CARLETON, '87, s. s.; DOUGLAS, '87, 2d b.;
THOMAS, '87, l. f.; HOWES, '88, p.; KIRKHAM, '87, c. f.; KIMBALL,
'87, r. f.; BRAINERD, '86, c.; STURGES, '87, 1st b.; CLEMENT, '88, l. f.
7. MAY 16th, Union Grounds.—TUFTS, 6; TECHS, 5.
TWOMBLY, '87, 3d b. and c. f.; CARLETON, '87, s. s.; DOUGLAS,
'87, 2d b.; THOMAS, '87, p.; CLEMENT, '88, c.; KIRKHAM, '87, c. f. and
3d b.; KIMBALL, '87, r. f.; BRAINERD, '86, l. f.; STURGES, '87, 1st b.



Y
TECHNIQUE.

BATTING AVERAGES.

PLAYERS.	GAMES.	AT BAT.	RUNS.	1ST BASE.	T. B.	AVERAGE 1ST B.	AVERAGE T. B.
THOMAS . . .	7	32	7	11	12	.343	.375
BRAINERD . .	3	12	3	4	6	.333	.500
DOUGLAS . . .	7	31	6	10	12	.323	.387
FLETCHER . .	1	4	2	1	1	.250	.250
KIMBALL . . .	5	19	3	4	4	.210	.210
KENDRICKEN .	2	10	0	2	3	.200	.300
STURGES . . .	7	26	2	5	9	.192	.346
CLEMENT . . .	6	26	2	5	7	.192	.269
CARLETON . .	6	29	5	5	7	.173	.241
TWOMBLY . . .	7	33	7	5	8	.151	.242
KIRKHAM . . .	7	25	2	3	3	.120	.120
BUSH	3	13	0	1	1	.076	.076
HOWES	1	4	0	0	0	.000	.000
SANDS	1	4	0	0	0	.000	.000

TECHNIQUE.

FIELDING AVERAGES.

PLAYERS.	P. O.	A.	E.	AVERAGE.
KIMBALL . . .	4	0	0	1.000
SANDS	0	0	0	1.000
STURGES . . .	65	1	4	.943
TWOMBLY . . .	7	12	3	.864
THOMAS	7	73	22	.784
KIRKHAM . . .	7	0	2	.777
DOUGLAS . . .	15	16	14	.689
CARLETON . . .	8	10	9	.667
CLEMENT . . .	56	9	35	.650
BRAINERD . . .	8	5	11	.542
HOWES	0	10	14	.417
BUSH	2	4	12	.333
FLETCHER . . .	0	0	1	.000
KENDRICKEN . .	0	0	2	.000

: Class Nine of '89 :

Catcher.

CLEMENT.

Pitches.

BATES.

1st Base.

SEAVEY.

2d Base.

EWEN.

3d Base.

AYER (*Captain*).

Short-stop.

KENDRICKEN.

Left Field.

RUSSELL.

Center Field.

THOMAS.

Right Field.

MARCY.

GAMES PLAYED.

CANTONS vs. '89 12-9
HYDE PARK vs. '89 4-18



1884-85.

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Manager.	Captain.
SOLOMON STURGES, '87.	P. R. FLETCHER, '87.

TEAM.

	Rushers.	
HERRICK, '88.	MAHON, '86.	VORCE, '88.
STEELE, '85.	FLETCHER, '87 (<i>Center</i>).	COOLEY, '87.
	LADD, '88.	
	Quarter-back.	
	DOUGLAS, '87.	
	Halves.	
WINSOR, '86.		TWOMBLY, '87.
	Full-back.	
	SHORTALL, '87.	
	Substitutes.	
BARTLETT, '86	BOWLES, '87.	TAINTOR, '87.

GAMES PLAYED.

HARVARD vs. TECHS	43-5
HARVARD vs. TECHS	43-0
TUFTS vs. TECHS	4-6
TUFTS vs. TECHS	27-0
WILLIAMS vs. TECHS	10-0

: '87 Freshman Eleven :

Rushers.		
HUNT. CABOT.	MAHON. FLETCHER (<i>Center</i>). SHORTALL.	LA TROBE. COOLEY (<i>Captain</i>).
Quarter-back.		
DOUGLAS.		
Halves.		
WINSOR.		TWOMBLY.
Full-back.		
DORRANCE.		

SUMMARY OF GAMES.

TUFTS vs. '87	6-6
ADAMS vs. '87	0-2
EXETER vs. '87	22-4
ANDOVER vs. '87	30-0
HARVARD '87 vs. '87	Forfeited by HARVARD.

: Football Association :

1885-86.

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Secretary and Treasurer.

H. D. SEARS, '87.

Manager.

W. L. DEARBORN, '88.

Captain.

M. W. COOLEY, '87.

Advisory Committee.

J. M. SMITH, '86.

JOHN L. SHORTALL, '87

W. L. DEARBORN, '88.

ROGER MORGAN, '89.

TEAM.

Rushers.

VORCE, '88.

TWOMBLY, '87.

BOWLES, '87 (*Center*).

FLETCHER, '87.

LADD, '88.

COOLEY, '87.

PETERS, '87.

Quarter-back.

HERRICK, '88.

Halves.

HOLDEN, '88.

STURGES, '87.

Full-back.

SHORTALL, '87.

Substitutes.

TAINTOR, '87.

WADSWORTH, '89.

DEVENS, '88.

MAHON, '86.

TECHNIQUE.

SUMMARY OF GAMES FOR 1885.

1. EXETER, MASS., October 17th.—EXETER *vs.* TECHNOLOGY.
Rushers: TWOMBLY, BOWLES, TAINTOR, FLETCHER, LADD, COOLEY. Quarter-back: HERRICK. Halves: MOULTON, HOLDEN. Full-back: STURGES. Score: EXETER 26, TECHNOLOGY 10.
Referee: MR. FINNEY, Princeton, '84.
- *2. WILLIAMSTOWN, MASS., October 24th.—WILLIAMS *vs.* TECHNOLOGY.
Rushers: HERRICK, VORCE, BOWLES, FLETCHER, LADD, PETERS, COOLEY. Quarter-back: TWOMBLY. Halves: HOLDEN, STURGES. Full-back: RAY. Score: WILLIAMS, 2 touchdowns, 1 goal from field; TECHNOLOGY, 1 touchdown, 1 goal; 19-6.
Referee: MR. PHILLIPS, Harvard, '86.
- *3. UNION GROUNDS, October 27th.—TUFTS *vs.* TECHNOLOGY.
Rushers: SHORTALL (TAINTOR), VORCE, BOWLES, FLETCHER, LADD, PETERS, COOLEY. Quarter-back: HERRICK. Halves: HOLDEN, STURGES. Full-back: RAY (SHORTALL). Score: TECHNOLOGY, 1 touchdown, 2 goals; TUFTS, 1 touchdown; 16-4.
Referee: MR. PEABODY, Harvard, '87.
4. UNION GROUNDS, October 31st.—YALE *vs.* TECHNOLOGY.
Rushers: TWOMBLY, VORCE, BOWLES, FLETCHER, LADD, PETERS, COOLEY. Quarter-back: HERRICK. Halves: HOLDEN, STURGES. Full-back: SHORTALL. Score: YALE, 2 touchdowns, 4 goals, 3 goals from field; TECHNOLOGY, 2 safeties; 51-0.
Referee: MR. TWOMBLY, Yale, '84.
5. NEWTONVILLE, November 4th.—NEWTONS *vs.* TECHNOLOGY.
Rushers: DEVENS, VORCE, FLETCHER, BOWLES, LADD, PETERS, COOLEY. Quarter-back: HERRICK. Halves: KIRKHAM, STURGES. Full-back: SHORTALL. Score: TECHNOLOGY, 1 touchdown, 2 goals; NEWTONS, 1 touchdown, 1 safety; 18-4.
Referee: MR. SCUDDER, of Newton.
- *6. UNION GROUNDS, November 7th.—WILLIAMS *vs.* TECHNOLOGY.
Rushers: TWOMBLY, VORCE, FLETCHER, BOWLES, LADD, PETERS, COOLEY. Quarter-back: HERRICK. Halves: HOLDEN, STURGES. Full-back: SHORTALL. Score: TECHNOLOGY, 2 touchdowns, 1 goal; WILLIAMS, 0; 14-0.
Referee: MR. FINNEY, Princeton, '84.

TECHNIQUE.

*7. UNION GROUNDS, November 11th. — TUFTS *vs.* TECHNOLOGY.

Rushers: TWOMBLY, VORCE, FLETCHER, BOWLES, LADD, PETERS, COOLEY. Quarter-back: HERRICK. Halves: HOLDEN, WADSWORTH (STURGES). Full-back: SHORTALL. Score: TECHNOLOGY, 23 touchdowns, 3 goals; TUFTS 0; 110-0.

Referee: MR. FILMORE, Harvard, '89.

*8. UNION GROUNDS, November 14th. — AMHERST *vs.* TECHNOLOGY.

Rushers: TWOMBLY, VORCE, FLETCHER (TAINTOR), BOWLES, LADD, PETERS, COOLEY. Quarter-back: HERRICK. Halves: HOLDEN, KIRKHAM (DEVENS). Full-back: SHORTALL. Score: TECHNOLOGY, 5 touchdowns, 2 goals; AMHERST, 0; 32-0.

Referee: MR. BROOKS, Harvard, '87.

*9. AMHERST, MASS., November 21st. — AMHERST *vs.* TECHNOLOGY.

Rushers: TWOMBLY, VORCE, FLETCHER, BOWLES, LADD, PETERS, COOLEY. Quarter-back: HERRICK. Halves: HOLDEN, DEVENS. Full-back: SHORTALL. Score: TECHNOLOGY, 9 goals, 6 touchdowns; AMHERST, 1 safety; 80-0.

*10. SPRINGFIELD, MASS., November 25. — WILLIAMS *vs.* TECHNOLOGY.

Rushers: WILLIAMS — CARSE, FLINT, FIELD, JOHNSON, BIGELOW, BRUSIE, BIDWELL. Quarter-back: WENWORTH. Halves: TAFT, SAFFORD. Full-back: PERSON.

Rushers: TECHNOLOGY — TWOMBLY, VORCE, FLETCHER, BOWLES, LADD, PETERS, COOLEY. Quarter-back: HERRICK. Halves: HOLDEN, STURGES. Full-back: SHORTALL. Score: WILLIAMS, 1 goal, 2 touchdowns; TECHNOLOGY: 1 goal, 1 touchdown, 2 safeties; 18-10.

Referee: MR. WHITING, Amherst, '85

*Championship Games.

Northern Inter-Collegiate Football Association

OFFICERS, 1885-86.

President.

P. R. FLETCHER,
Technology.

Vice-President.

W. F. WHITING,
Amherst.

Secretary.

S. H. TYNG,
Williams.

Treasurer.

N. A. WHITE,
Tufts.

RECORD OF TEAMS.

TEAMS.	WILLIAMS.	TECHNOLOGY.	TUFTS.	AMHERST.	<i>Games Won.</i>	<i>Points Scored.</i>
WILLIAMS	—	2	2	2	6	189
TECHNOLOGY	1	—	2	2	5	268
TUFTS	0	0	—	2	2	34
AMHERST	0	0	0	—	0	35
<i>Games Lost</i>	1	2	4	6		
<i>Points Scored Against,</i>	45	46	218	217		

: Championship Games :

1885-86.

Oct. 17.	WILLIAMS . . . 49	TUFTS . . . 0	At Williamstown.
Oct. 24.	WILLIAMS . . . 19	TECHNOLOGY . 6	" Williamstown.
Oct. 24.	TUFTS . . . 22	AMHERST . . . 10	" Amherst.
Oct. 27.	TECHNOLOGY . 16	TUFTS . . . 4	" Boston.
Oct. 31.	WILLIAMS . . . 57	AMHERST . . . 0	" Williamstown.
Nov. 6.	WILLIAMS . . . 28	TUFTS . . . 0	" Boston.
Nov. 7.	TECHNOLOGY . 14	WILLIAMS . . . 0	" Boston.
Nov. 11.	TECHNOLOGY : 110	TUFTS . . . 0	" Boston.
Nov. 13.	TUFTS . . . 8	AMHERST . . . 5	" Boston.
Nov. 14.	TECHNOLOGY . 32	AMHERST . . . 0	" Boston.
Nov. 18.	WILLIAMS . . . 18	AMHERST . . . 15	" Amherst.
Nov. 21.	TECHNOLOGY . 80	AMHERST . . . 0	" Amherst.
Nov. 25.	WILLIAMS . . . 18	TECHNOLOGY . 10	" Springfield.

'89 Class Eleven

OFFICERS.

President.

A. W. LA ROSE.

Manager, Secretary, and Treasurer.

A. H. BADGER.

Captain.

A. S. EWEN.

TEAM.

Rushers.

EWEN.
SHELDON.

CHENEY.
CHADWICK.
MARCY.

LA ROSE.
KENDRICKEN.

Quarter-back.

PORTER.

Halves.

DUAN.

DURFEE.

Full-back.

DANE.

GAMES PLAYED.

ENGLISH HIGH SCHOOL vs. '89 4-0
NEWTONS vs. '89 28-0

TECHNOLOGY
CYCLING CLUB.



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First Lieutenant.

EDW. O. GOSS, '87.

Second Lieutenant.

MONTGOMERY ROLLINS, '89.

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H. W. BATES.

W. BLANCHARD.

W. C. BRACE.

F. BRETT.

GEO. BUSFORD.

E. G. CAUGHEY.

S. CHILD.

TECHNIQUE.

S. H. COBB.
JAS. C. DUFF.
M. DU PONT.
W. P. FRINK.
A. M. FORRISTALL.
E. O. GOSS.
E. H. GRAVES.
B. W. GUPPY.
R. D. HALL.
E. W. HEATH.
H. M. HOBART.
J. C. HOBART.
H. G. HODGKINS.
H. M. HOWES.
E. S. HUTCHINS.
B. C. LANE.
G. LANDER.
S. M. LATTA.
B. C. LOCKETT.
E. P. MARSH.
W. H. MERRILL, Jr.

JAS. NEAVE.
G. W. PATTERSON.
C. E. PEASE.
Q. PETERS.
— PRATT.
M. ROLLINS.
F. E. SHEPARD.
J. L. SHORTALL.
H. SOUTHER.
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W. H. TENNEY, Jr.
H. F. TOTMAN.
S. WHEELER.
F. A. WHITNEY.
F. A. WILDGRAM.
A. T. WILLISTON.
F. S. WILSON.
F. J. WOOD.
J. V. WRIGHT.



THE CANOE CLUB

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Vice-President.

S. WALLACE BOWLES.

Secretary and Treasurer.

S. W. BOWLES.

MEMBERS.

STEPHEN
WALLACE
BOWLES

Literary

and

Musical

Organizations



: The Tech :

1884-85.

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F. W. HOADLEY, '88.

Advertising Agent.

THEODORE STEBBINS, '86.



1885 - 86.

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GUY KIRKHAM, '87.

F. L. V. HOPPIN, '88.

Advertising Agent.

THEODORE STEBBINS, '86.

HISTORY OF "THE TECH."

IT was certainly a very modest beginning, and I find myself smiling at this little brown-covered magazine, with its sixteen pages, that I once knew by heart; but it was a beginning, and as such the same feeling of fatherly pride comes over me that we fellows enjoyed when this identical copy came fresh from the printers. It would be difficult to determine, exactly, who founded *The Tech*; but certain it is, that H. Ward Leonard, '83, was the leading spirit, and A. W. Walker, '82, an able and earnest coadjutor.

After the waning of the *Spectrum*, which went out with the class of '74, there were periodical attempts to start a paper, but they failed, for lack of support.

The fall of 1881 brought with it a large and enthusiastic class: many important improvements were contemplated at the Institute. About October 15th a mass-meeting was held in Room 4, Rogers, now Room 15, which was packed to overflowing. A committee was appointed, and a week later their plans were submitted and adopted at another rousing meeting. The first Board of Directors and Editors was as follows:—

DIRECTORS.

President

H. WARD LEONARD, '83.

Secretary.

HENRY F. ROSS, '82.

Treasurer.

I. W. LITCHFIELD, '85.

WALTER B. SNOW, '82.

H. B. GALE, '83.

A. STUART PRATT, '84.

EDITORS.

Editor-in-Chief.

ARTHUR W. WALKER.

G. W. MANSFIELD, '82.

F. F. JOHNSON, '84.

GEO. J. FORAN, '83.

ARTHUR D. LITTLE, '85.

HARVEY S. CHASE, *Civil and Mechanical Engineering.*

GRANVILLE TEMPLE SNELLING, *Architecture.*

CHAS. H. TOMPKINS, Jr., *Mining and Chemistry.*

Sporting Editor.

R. TILDEN GIBBONS.

General Advertising Agent.

SAMUEL M. MUNN.

TECHNIQUE.

The first issue came out on the day before Thanksgiving, four years ago. The assistance of the football team was necessary to conduct the papers in safety to a little room way up under the roof, where they were distributed. Ah, but that was a triumph for you! An immense table barricaded the open door, and behind it were assembled the entire directorial and editorial boards. How every line and point in the make-up was discussed, and how keenly we relished the jokes and cuts which now aggravate my rheumatism every time I look at them. It was glory enough to stand there and pass out the papers to the howling mob that blocked the halls and five flights of stairs.

Thus *The Tech* started. It has been successful beyond expectation; but only a few who are acquainted with its inside history know the many hours and months of work that has made it what it is, and on more than one occasion it has seemed as if the only reward would be certain failure.

The events of Commencement Day, 1882, are impressed so vividly on my memory that they can never be forgotten.

It was in Huntington Hall, on that day, that Ex-President Rogers died while addressing the graduating class.

It was Decoration Day; and as no reporters were present, I was anxious to get as full a report for *The Tech* as possible. I was bending over my notes, when suddenly there was an impressive pause—it seemed for a moment as if all held their breath. As I looked up, my first impression was that the stage had given way: Professor Rogers had fallen, and graduates and professors had risen half-way in their chairs of one accord. For a moment every one was paralyzed. Those nearest sprang forward to render assistance—but the need had gone; the simple, noble spirit that a moment before had breathed in the words still fresh in my note-book, had left the body forever.

Tenderly they lifted and bore him away; softly the audience dispersed; and in a few moments the hall was deserted, save by the gloom of the shadow of death.

THERE was a strange coincidence connected with the sad death of Professor Rogers. As I entered the hall, I noticed that the clock directly opposite the stage had stopped, and the hands pointed to twelve. It was within a few minutes of noon that he died.

DURING the first two years, *The Tech* published full-page heliotypes of its three Presidents, William B. Rogers, John D. Runkle, and Francis A. Walker; also Ralph Huntington and Dr. W. J. Walker, with a steel engraving of Jacob Bigelow.

TECHNIQUE.

The cuts were a source of constant agony to the unfortunate director who had charge of that department, and who was expected to furnish at least one for every number.

On one occasion, when the artistic larder was empty, Walker was unrelenting; but a compromise was effected by my promising to have a cut of the Institute fire-apparatus on time. Now, this was a constant target of ridicule for the chief editor, and I was forgiven when in the issue next day he saw this:—



A BIRD'S-EYE VIEW OF THE M. I. T. FIRE-APPARATUS.

("Tech" Office Fire-Escape in lower left-hand corner.)

NOTWITHSTANDING a few unkind and undeserved sentiments that have crept into print, the faculty and assistants have always been on the most friendly terms with the paper. Profs. Nichols, Atkinson, and Cross were almost constant contributors to the column of books and periodicals for reference, and that of M. I. T. publications. Prof. Rogers was much interested in it, and inclosed his subscription in a kind note. Prof. Runkle was always a well-wisher; and an occasional twinkle would steal through two pairs of glasses when he made some charitable allusions to its contents in the class-room.

It is to Pres. Walker that we owe the room *The Tech* now occupies. For some time after we were obliged to give up the top story, we took possession of the reading-room. I was on the room committee; and although the executive had no place to give us, we regularly haunted his room twice a week. The courtesy and many kindnesses we received made it seem almost an honor to be put off.

Nearly all the professors have been contributors to the paper, the only titled individual from the outer world being the Hon. General Daniel Pratt.

At one time there was a mythical personage in the mining laboratory who went by the name of Hadley. In response to a kind notice posted on the bulletin, several freshmen ('86) sought him in that lower region, and procured passes to the fair.

TECHNIQUE.

A few days after, the following notice was found in the letter-rack :—

BOSTON, Oct. 7, 1882.

MR. J. G. HADLEY :

Dear Sir,—Passes bearing your name, "on account of Hadley's contract for M. I. T. Freshmen," are being presented. No officers of this corporation are aware of any contract with you. We therefore decline to honor these passes, and await your explanation.

Yours truly,

J. T. WOOD,

Secretary and Gen'l Manager, Institute Fair.

Another unique communication directed to the "Machinery School, Boston," ran as follows :—

STATE CENTRE, February 21st.

Will you please tell me how Your institution is run and what its aim is and if You Would experiment on Preptual motion for half the enterprise in the united States if You had a good theory advanced that looks reasonable and the cost would not be more than the cost of a dump-cart.

Yours truly,

MARSHALL COUNTY, IOWA.

THE Presidents of the Board of Directors and Editors-in-Chief since *The Tech* started, are as follows :—

Presidents of Directors.

1881-82. H. WARD LEONARD, '83.
1882-83. H. WARD LEONARD, '83.
1883-84. HARRY W. TYLER, '84.
1884-85. { I. W. LITCHFIELD, '85.
 { A. R. MCKIM, '85.

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1882-83. HARVEY S. CHASE, '83.
1883-84. { ARTHUR D. LITTLE, '85.
 { C. S. ROBINSON, '85.
1884-85. THOMAS W. FRY, '85.

I. W. L.



ANNUAL,

*PUBLISHED BY MEMBERS OF THE JUNIOR CLASS OF THE
MASSACHUSETTS INSTITUTE OF TECHNOLOGY.*

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SOLOMON STURGES.

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Albert E. Leach



84-5
GLEE



First Bass

Thos. W. Fry

John G. Howard

T. W. Sprague

N. Q. Stewart

Second Bass

Wm. A. Whitney

John L. Shortall

Thos. A. Fox

P. R. Fletcher

E. B. Homer, Director

C. D. Underhill, Accompanist

: Concerts of Glee Club :

1884-85.

Chickering Hall, January 8, 1885.

CONCERT OF TECHNOLOGY GLEE CLUB AND ORCHESTRA.

Hotel Vendome, April 14, 1885.

RECEPTION AND HOP OF TECHNOLOGY GLEE CLUB.

Floor Manager.

FRANK L. LOCKE.

Aids.

ALBERT L. CUSHING.

JOHN L. SHORTALL.

TIMOTHY W. SPRAGUE.

NORMAN Q. STEWART.

Chickering Hall, May 5, 1885.

CONCERT OF TECHNOLOGY GLEE CLUB AND ORCHESTRA.

SEASON 1885-86.

OFFICERS.

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Member at Large.

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Librarian.

GEORGE L. MANNING.

Secretary and Treasurer.

HERBERT A. RICHARDSON.

MEMBERS.

First Violin.

EDWARD G. THOMAS, '87.

GEORGE L. MANNING, '87.

FRANK B. MEADE, '89.

Second Violin.

HORACE M. WILSON, '89.

ARTHUR W. JONES, '89.

GEORGE P. SIMPSON, '89.

First Cornet.

CHARLES A. BARTON, '87.

Second Cornet.

WILLIAM S. JOHNSON, '89.

Clarinet.

JOSEPH E. CHANDLER, '89.

Flute.

JAMES P. LYNDE, '86.

HERBERT A. RICHARDSON, '87.

GEORGE C. KAUFMAN, '89.

Cello.

CHARLES W. GILMAN, '89.

Bass.

IRVING L'H. GARDNER, '89.

Piano.

THEODORE W. PIETSCH, '89.

: Double Quartet :

SOCIETY OF '88.

Conductor.

L. B. NEWELL.

First Tenors.

J. E. FULLER, JR.

B. C. LOCKETT.

Second Tenors.

E. S. DANIELL.

G. U. G. HOLMAN.

First Basses.

G. E. CLAFLIN.

J. C. T. BALDWIN.

Second Basses.

G. L. HARVEY.

G. C. SCALES.

Pianist.

R. M. FAY.

: Senior Ball :

ODD FELLOWS HALL, APRIL 10, 1888.

Floor Manager.

C. R. RICHARDS, '85.

Committee.

JAS. C. DUFF, '86.

S. R. BARTLETT, '86.

CHAS. WOOD, '86.

A. L. CUSHING, '87.

J. L. SHORTALL, '87.

H. C. SPAULDING, '87.

GEO. C. DEMPSEY, '88.

RICHARD DEVENS, '88.

W. L. DEARBORN, '88.

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1884-85.

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CHAS. WOOD, '86.

A. L. CUSHING, '87.

J. V. WRIGHT, '88.

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1885-86.

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J. P. B. FISKE, '89.



THAT LITTLE GAME.

(RONDEAU.)

THAT little game, when she and I
Played chess together, cosily,
Beneath the flaring parlor jet,
A prize it brought to me; and yet
I lost it, I can testify.

For when my knight came sweeping by,
And took her queen summarily,
She pouted archly, in a pet—
That little game!

And as she pressed, defiantly,
Her fan, it somehow chanced—that I—
Well, how it was I just forget,
But there I won *my* queen, Janet,
Although I lost quite hopelessly
That little game.



PARKER HOUSE, FEBRUARY 20, 1885.

Supper Committee.

EDWARD A. HASKELL.
GUY KIRKHAM.

GEORGE O. DRAPER.
HOLLON C. SPAULDING.

Toast-Master.

FREDERICK C. TODD.

Gastronome.

GUY KIRKHAM.

TOAST LIST.

Our Alma Mater FRANK E. SHEPARD.

"Each day, each hour, her name I'll—
My morning and my evening song;
And when in death my vows shall cease,
My children shall the note prolong."—*Goldsmith.*

President Walker BENJAMIN C. LANE.

"Take him for all in all, we
Shall not look upon his like again."—*Shakespeare.*

The Ladies CHARLES D. UNDERHILL.

"Trust her not—she's fooling thee."

Athletics SOLOMON STURGES.

"But 'twas a famous victory."—*Southey.*
"Go thou and do likewise."—*Luke.*

TECHNIQUE.

The Faculty THOMAS A. FOX.

"And there's one rare, strange virtue in their speeches.
The secret of their mastery—They are short."—*Halleck*.

Football PERRY R. FLETCHER.

"But yesterday and Cæsar might have stood against the world."—*Anon.*

The Baby CHARLES E. PRATT.

"A lovely being, scarcely formed or moulded;
A rose with all its sweetest leaves yet folded."—*Byron.*

The "Semmies" ARCHER C. CORNS.

"Boast not thyself of to-morrow; for thou knowest not what a day may
bring forth."—*Proverbs.*

"The Tech" HOLLON C. SPAULDING.

"Good things should be praised."—*Anon.*

Rum FRANK G. BURGESS.

"I drink no more than a sponge."—*Ravellis.*

Boston ALBERT L. CUSHING.

"Alone must thou stand, O City!
Alone at the bar of judgment."—*Anon.*

'87 EDWARD H. HASKELL.

"Comparisons are odious things."—*Anon.*



: Seniors' Evening :

JUNE 1, 1885.

Programme.

OVERTURE	QUINTETTE.
SONG	GLEE CLUB.
HISTORY	F. H. NEWELL.
ZITHER SOLO	R. E. RICHARDSON.
POEM	C. S. ROBINSON.
SONG	H. J. WILLIAMS.
FLUTE SOLO	E. B. HOMER.
PROPHECY	R. H. PIERCE.
SONG	GLEE CLUB.

Committee of Arrangements.

FROM ASSOCIATION OF CLASS OF 1885.

CHARLES R. RICHARDS.
THOS. W. FRY.

ELEAZER B. HOMER.
MORRIS L. GREELEY.

SIDNEY WILLIAMS.



: Occupations of Alumni :

Whole number of Alumni	386
Whole number living	363
Manufacturing business	64
Edifying youthful minds	60
In business	44
Railroading	40
Civil Engineers	39
Chemists	29
Mining Engineers	17
Mechanical Engineers	14
Architects	10
Students	9
Lawyers	8
Electricians	7
Draughtsmen	7
Physicians	3
Miscellaneous	12

THREE SENIORS.

THREE Seniors went sailing out into the world,
Out into the world with a smiling face;
Each told of his honors, with parchment unfurled,
And then very quickly they sought for a place.
For students must work, and scholars must weep,
And there's so much to learn, there is no time to sleep.
And the Prof's are always pushing.

Three Seniors kept writing, day in and day out;
They ransacked the town for a salary tall;
They lived very cheaply on beer and sauer-kraut,
But their board bill kept growing in spite of it all.
For students must work, and scholars must weep,
While annuals threaten, and studies are deep,
And the Prof's are always crowding.

Three barbers are shaving for ten cents a head;
Their studies are ended, their life-work begun.
If you ask for the reason, 'tis easily read:
They studied things many, but mastered not one.
For students must work, and scholars must weep,
Vacation is coming, and then we can sleep—
And good-bye to the Tech' and its grinding.

STUDENT asks Bursar if he shall make out a check for his bill. Bursar answers in the affirmative, so student goes to the table to write. At this moment the President appears at the Bursar's window with a draft to be cashed. Bursar still continuing writing, calls out, "Where do you come from?" "Boston," answers the President.



: M. J. T. Battalion :

1885-86.

OFFICERS.

Major.

J. P. B. FISKE.

Adjutant.

H. D. SMITH.

Quartermaster.

P. R. HAWKINS.

Sergeant Major.

G. C. WHIPPLE.

Captains.

HOLLIS FRENCH.

G. M. BASFORD.

W. W. LEWIS.

S. H. MILDRANE.

First Lieutenants.

F. L. DAME.

A. W. LA ROSE.

HENRY L. ROGERS.

F. A. HILLS.

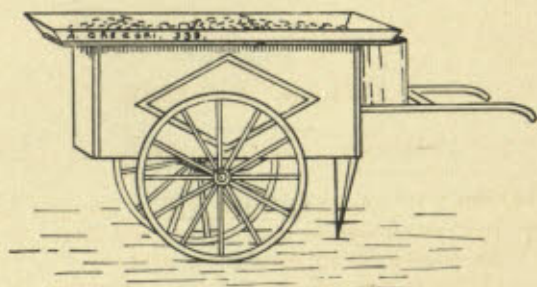
Second Lieutenants.

C. E. BEALS.

E. S. HUTCHINS.

W. H. TENNEY, Jr.

F. E. CALKINS.



CHESTNUTS

"Is Mr. Hadley here?"

"DER Esel begegnete dem Wolfe."—*C. P. O.*

"AND the thing is done."—*F. D. R.*

PAPYROGRAPHS must go!

"MR. WALL here?"—*H. K. B.*

"HE smiles and smiles, and yet he is a villain."—*El Mahdi.*

Now is the time to subscribe.

"PLEASE draw the shades."—*S. W. H.*

"A TYPICAL specimen."—*W. O. C.*

"WHAT makes the wind blow?"—*P-f-f-r.*

"HORSE-CHESTNUT and chestnut horse."—*W. P. A.*

THE last class to give a Freshman Ball—'85.

A "LAB." REVERIE.

RESPECTFULLY DEDICATED TO THE CO-EDS.

SLOWLY th' unwilling filtrate trickles through,
Just fast enough to need my constant care;
So, leaning on my desk, I idly stare —
(Through rising fumes that make our inner air
Rival the outer heaven's serener blue)
Across to that row,—last and loveliest,—where
Fair forms relieve the else oppressive view.

Vaguely I wonder,—as my truant mind
Follows their deft manipulations—how
To such monotonous routine confined,
Their softer natures they can rashly bind
Never to take aught but the scholar's vow,
Forget "the proper study of mankind,"
And never, save at *Pallas'* altar bow.

Now one there is, methinks (no matter which),
Whom I would gladly save, if I but could,
From living Learning's slave—a doubtful good,
To be instead a goddess—and her niche
My heart: her shrine! Ah, modern witch,
With wand of glass, if you but understood —
"Hood! Hood! For heaven's sake, *put that in the Hood!*"

L.

: The Howl and Eating Club :



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: Departments :

I.



SCENE: Charles River. Open watch.

He: "Big hand goes around this way; little hand goes around this way; and my hand goes around this way—o—e."

She: ———.

ENGLISH with Mr. Porter.

"FAVORITE drinks," etc., will be furnished upon application.

II.



THERE was a young Junior named Stoddard,
Who found himself very much bothered:

He performed a great feat,
With a long welding heat,
And his tongs will have to be "soldered."

THERE was a professor named Lanza,
Who thought he would strike a bonanza;

So he wrote a big book,—
Many pages it took,—
And filled up with stickers each stanza.

TECHNIQUE.

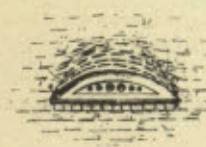
III.



It is rumored that the publication of C-rn-y's notes on "Moisture in Magnetite" has been delayed, in order that they may be bound in with the forthcoming fifty-dollar edition of L-nd-'s "K. K. K." tables.

As "H's" thousand-trip ticket on the Boston & Lowell is now used up, he has been contenting himself with dreaming of the future and practicing building fires.

IV.



ASK J. L. S. to explain the advantages of the American plan.

H. B. S. P. thinks ten by twelve about the right size.

"GENTLEMEN will not; others must not."

V.



AN '88 man recently reported for work in the burette room. Upon asking for instructions, he was told by the assistant that he was to calibrate, interpolate, titrate, calculate, equate, evaluate, and ———. Though he did not hesitate, the Soph was seen to evacuate, and it is supposed he has gone to investigate.

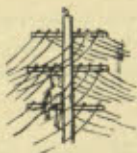
THE question was recently asked us, "What is the difference between K-nd-ll's whiskers and a closed mantel bed?" We are awaiting the answer.

WE have from the very best authority the following question, asked by a student of one of the instructors in chemistry: "Are our mortars to grind our solutions in?"

TECHNIQUE.

VI.

ELECTRICAL Fruit — Shock-ley apples.



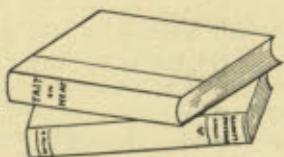
QUERY: Who was the Electrical that toddled home after the Springfield game?

VII.



We revel in smells neither savory nor sweet;
Remarkable odors your entrance will greet.
Though the students all say, the best way they can,
It's no place to be skinned "by-a-logical" man.

VIII.



PROF. H—— recently made a great discovery; viz., that the height of Graylock obtained by the method of the boiling point of water agrees very closely with that obtained by the Civil Service.

IX.



COURSE II. FROM A JUNIOR'S STANDPOINT.

MECHANICS is tiresome? Well, I should—but wait,
Just listen awhile and you'll see:
I've had such a struggle with Ganot and Tait,
A rest is a blessing to me.

You've heard the old adage of "too many cooks:"
To Course II. it exactly applies;
And were I to mention the cost of our books,
I'll warrant you'd open your eyes.

'Tis said that G. Lanza is pontiff supreme;
We'll meet him next winter, I trow;
(For though we oft see him in fancy's fond dream,
We've all we can buckle to now.)

In slide-valves, eccentrics (back-action and front),
And cut-offs, at ev'ry degree,
You never could find, I care not where you hunt,
A professor like Cecil H. P.

Another instructor I'll have to omit,
And mention him some other time;
(His name is peculiar, and hard to make fit,
Unless you make liquor the rhyme).

And Samuel Stephens can also be seen,
His locus is room 43;
He sets you to drawing some queer old machine,
And marks all your drawings N. G.

Our friend Mr. Merrill we must not pass o'er,
We've plenty of room on the page;
He, too, was a Junior in—yes, '84,
And seems to be wise for his age.

I might keep on talking, and speak of the past,
Of Schwamb, and of Burrison, too:
But by-gones are by-gones, and time passes fast,
And I've fifty-odd problems to do.

So I'll leave you to ponder on what has been said,
And say if it isn't all true;
Oh, the books? Well, I'll tell you, they're only half read,
And then sold at discount for new.

: Republican Torchlight Parade :

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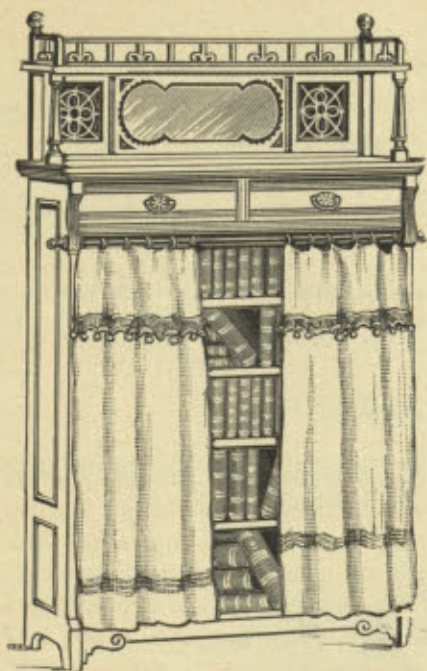
: Epilogue :

TO the reader of the foregoing pages we express the hope that the results of our efforts are such as to merit approbation. Whether modestly or otherwise, we assume such to be in some measure the case, and thank you for your appreciation of our endeavors.

The following pages are no less worthy of your careful perusal, and will, we trust, be of mutual advantage to you, and to those who have so courteously and heartily given financial support to **TECHNIQUE**. It is hardly necessary for us to say that the firms represented in our advertising columns are among the leading houses in their respective departments, and that students who are strangers in the city, can go to them with *entire confidence*. Remember, that "one good turn deserves another," and accordingly give a share of your patronage to those who have advertised with us, and be sure and mention **TECHNIQUE**.

Hoping that this last piece of advice may have the desired effect, we lay down our pen with a sigh of relief, our only wish being that you may have more reason to commend, than condemn, the

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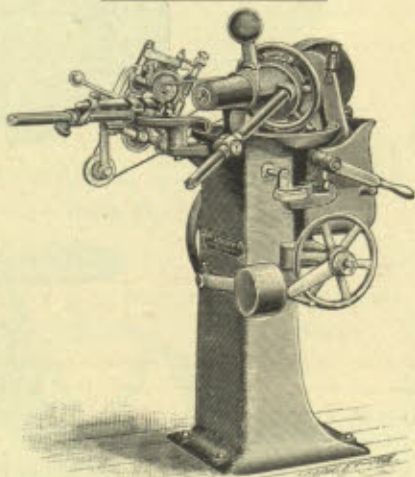
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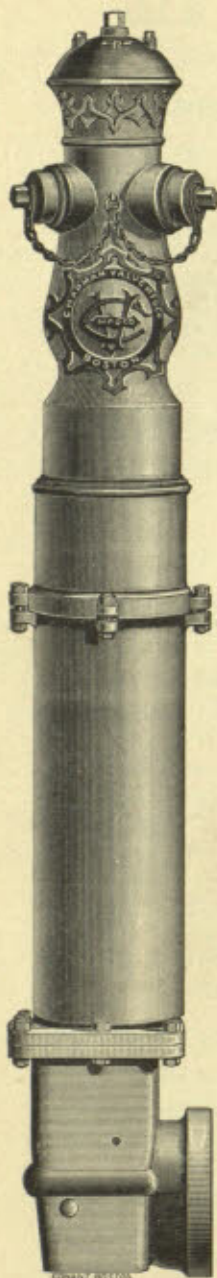
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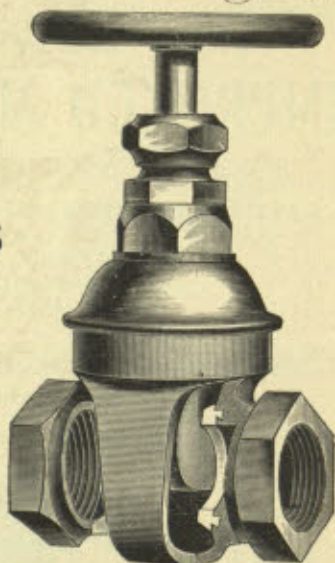
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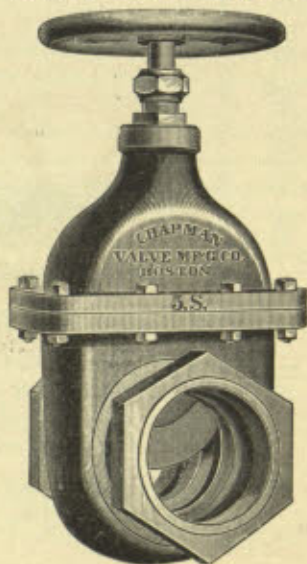
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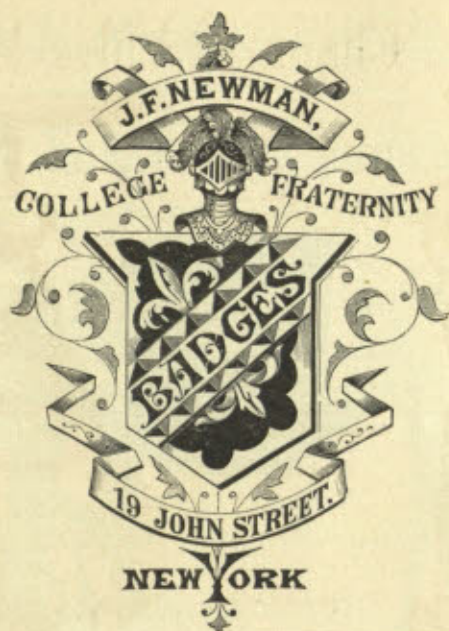


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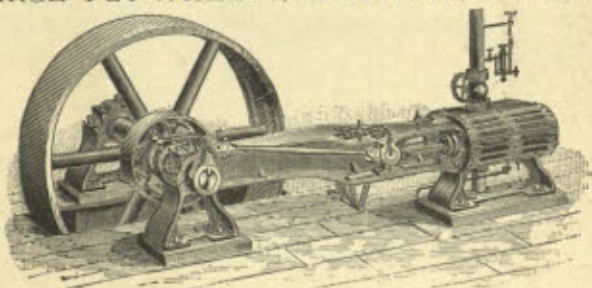


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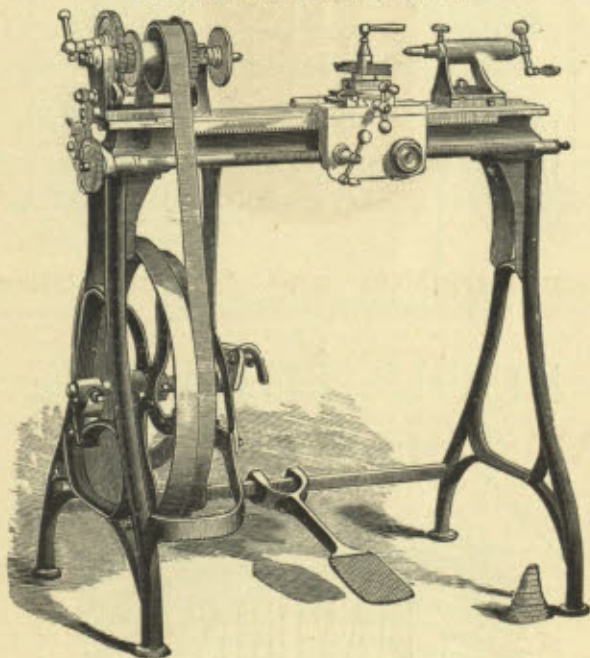
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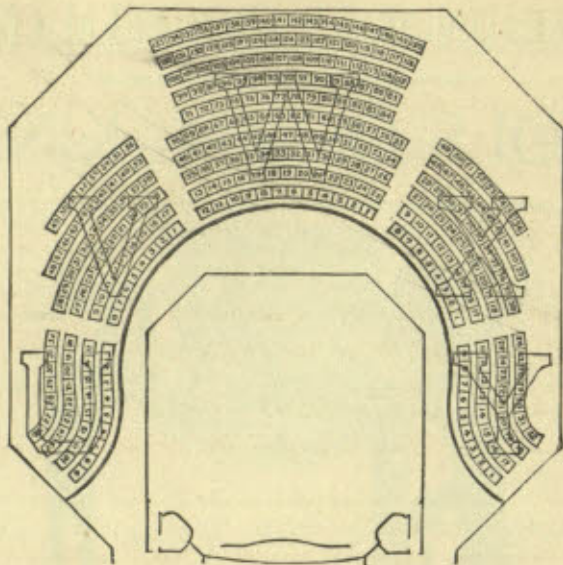


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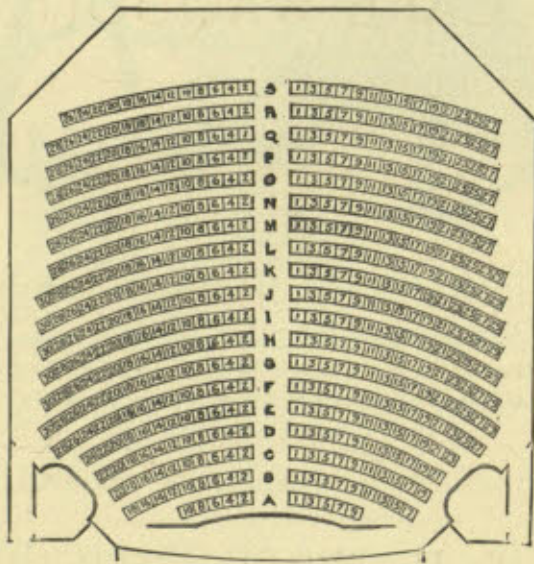
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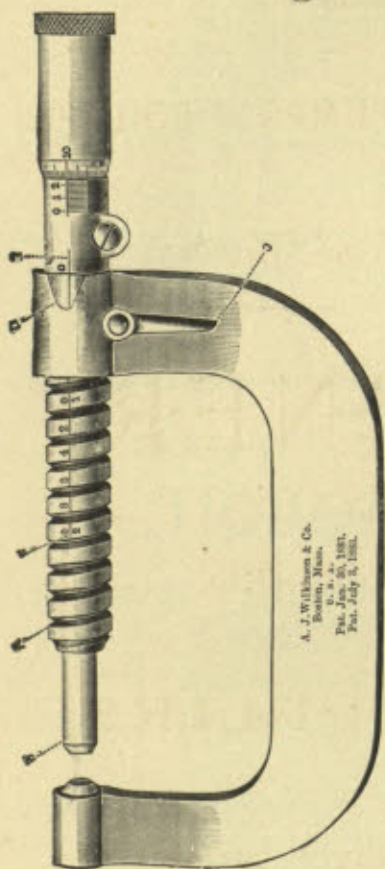
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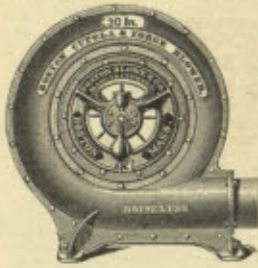
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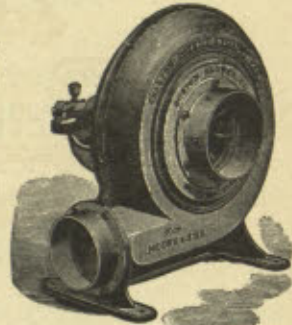
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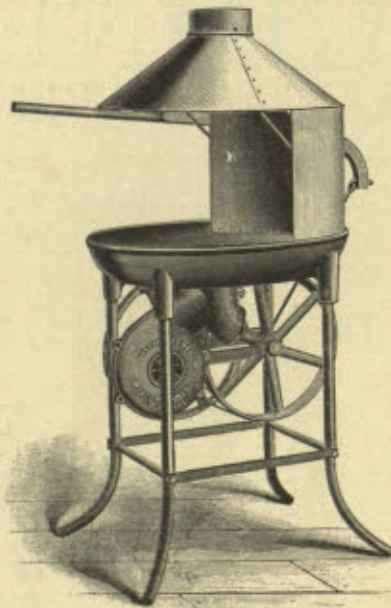
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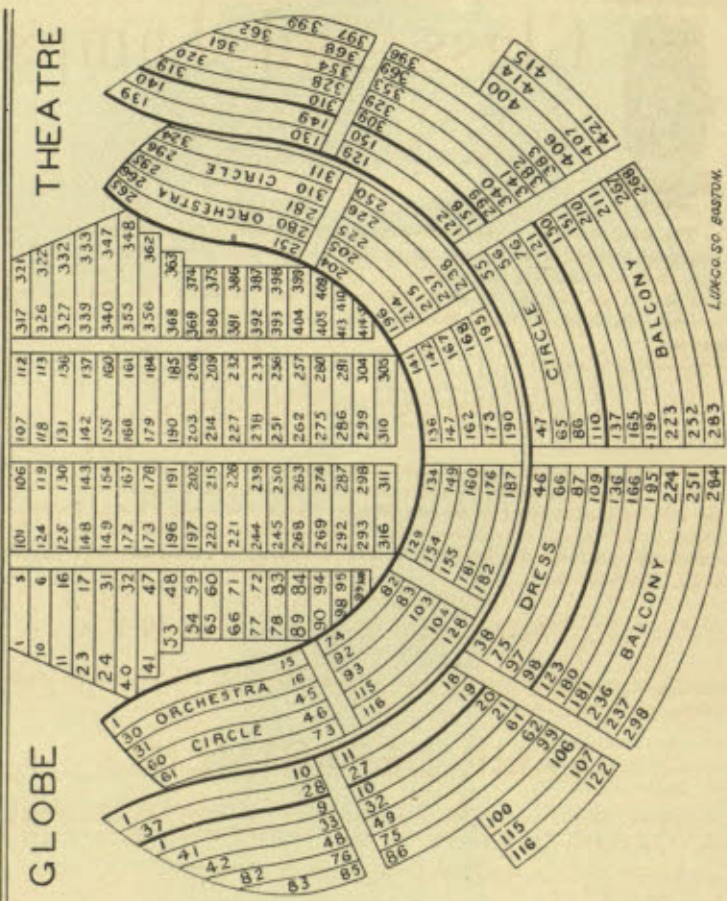
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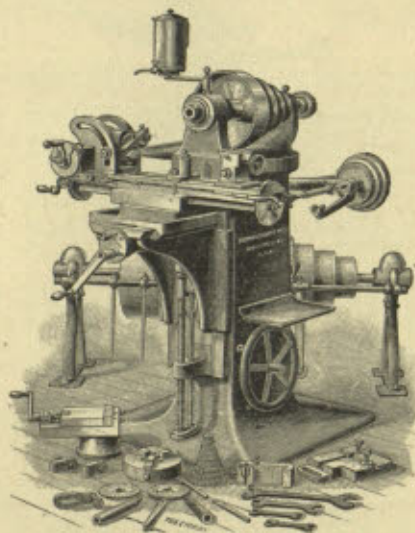
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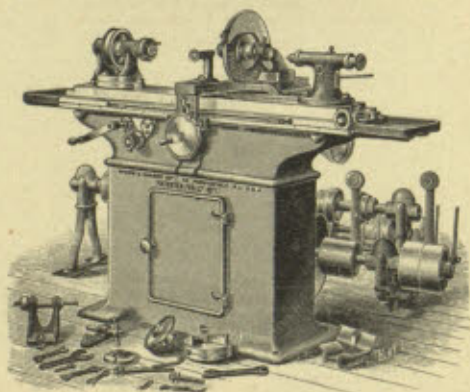
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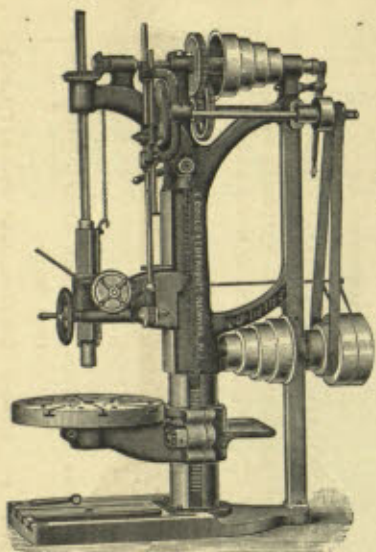
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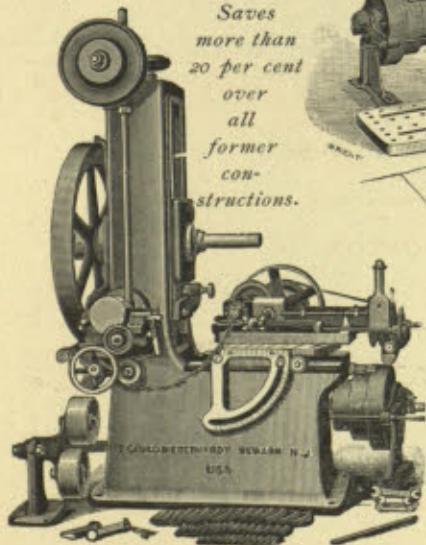


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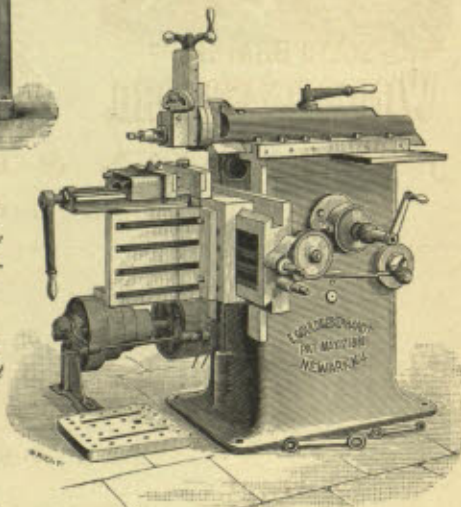
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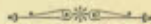
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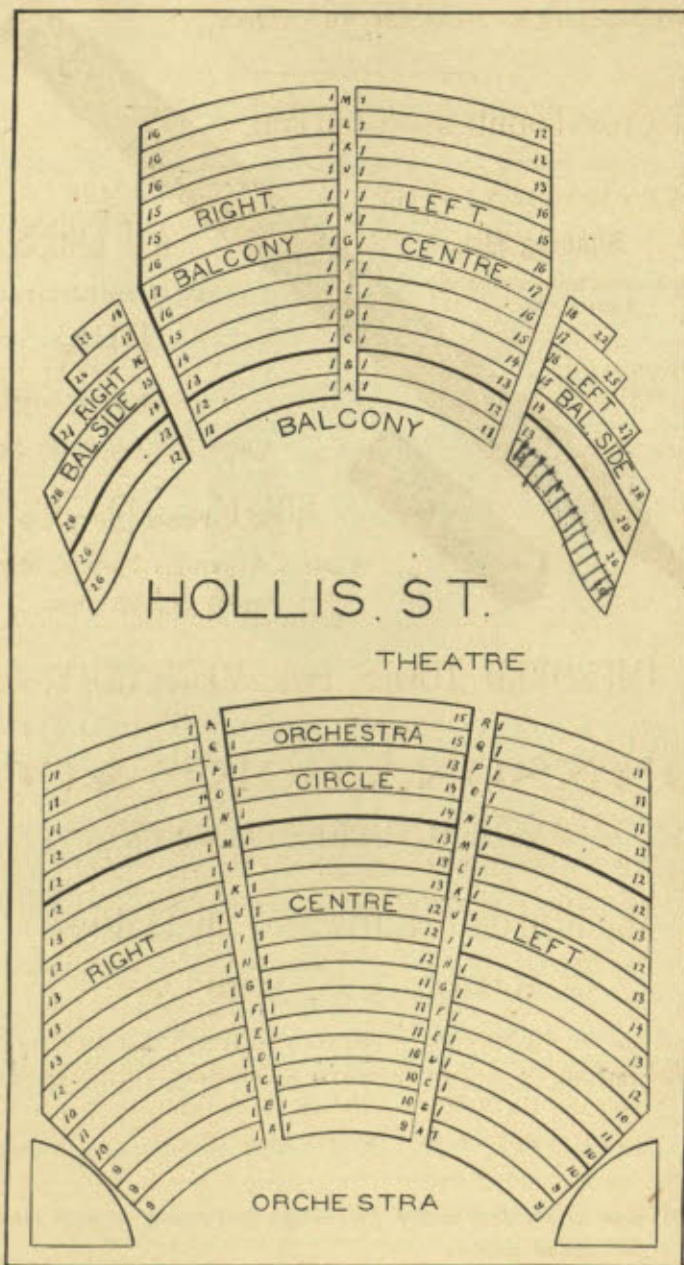
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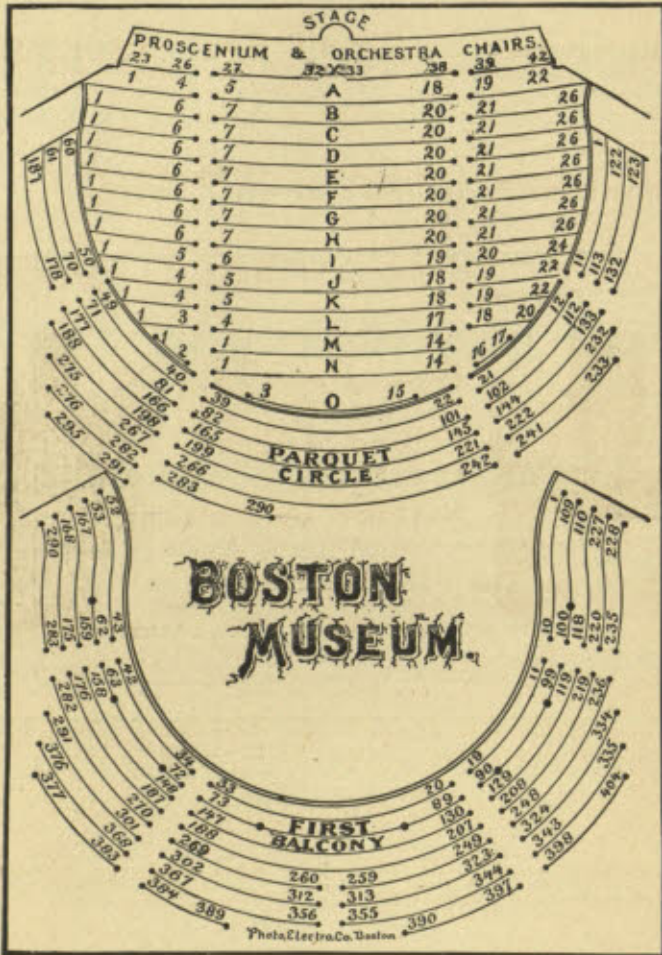
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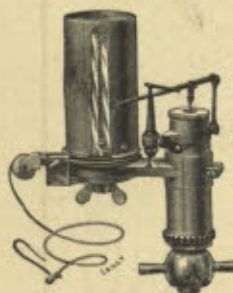
Bourdon Pressure Gauges

WITH

LANE'S IMPROVEMENT,

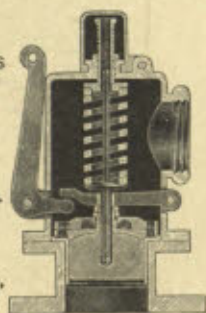
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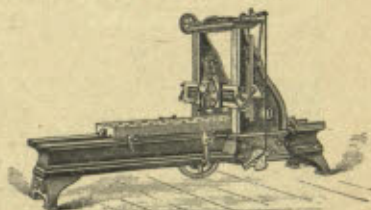
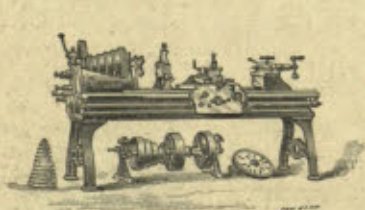
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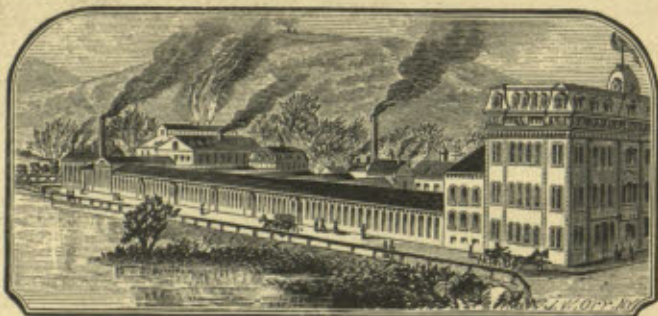
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Iron Planers,
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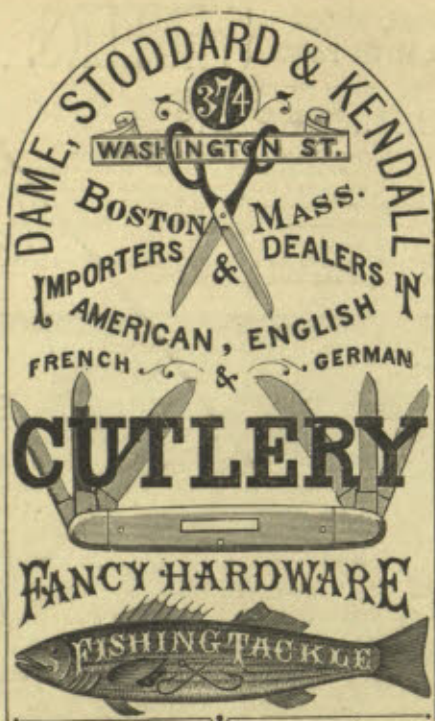
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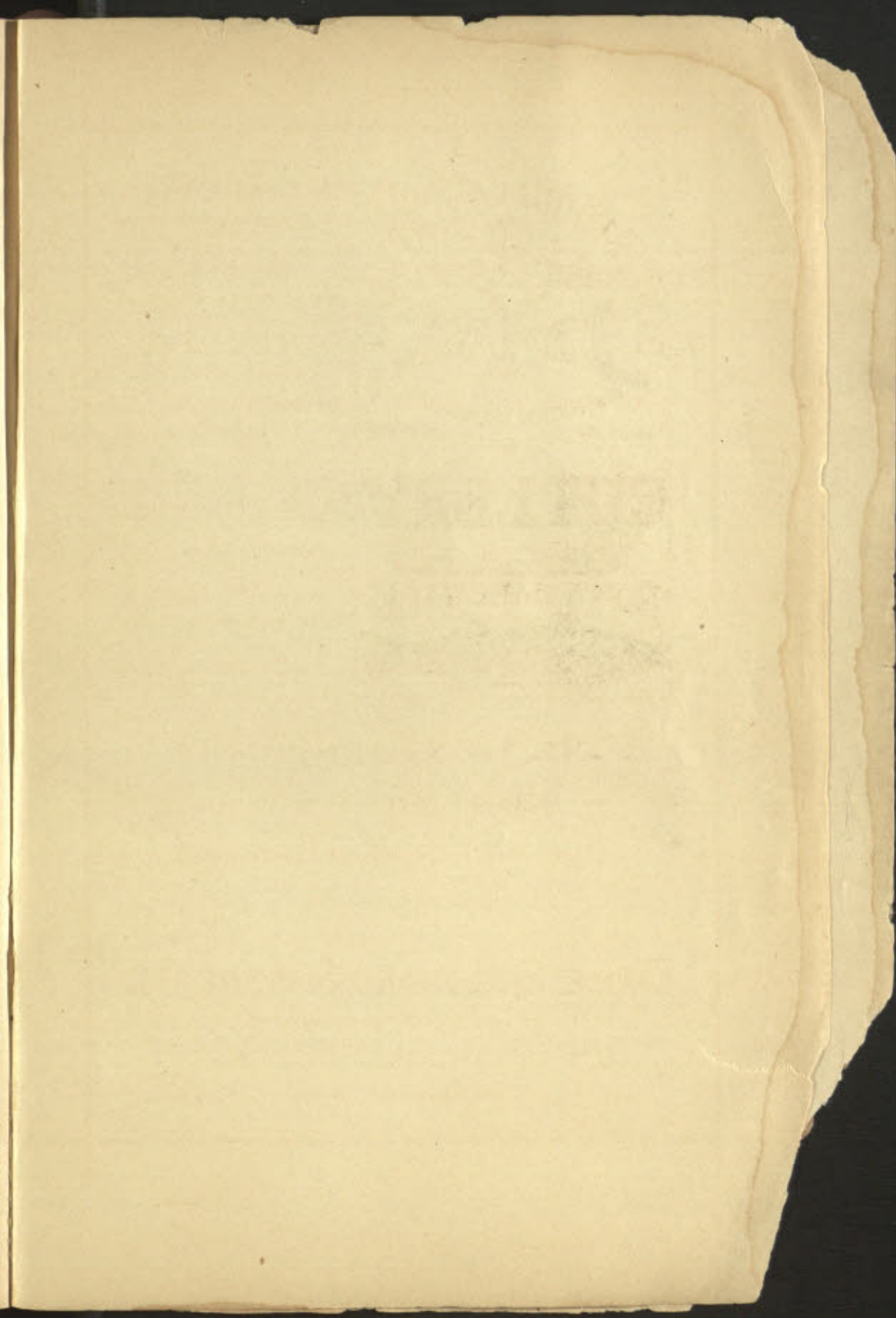
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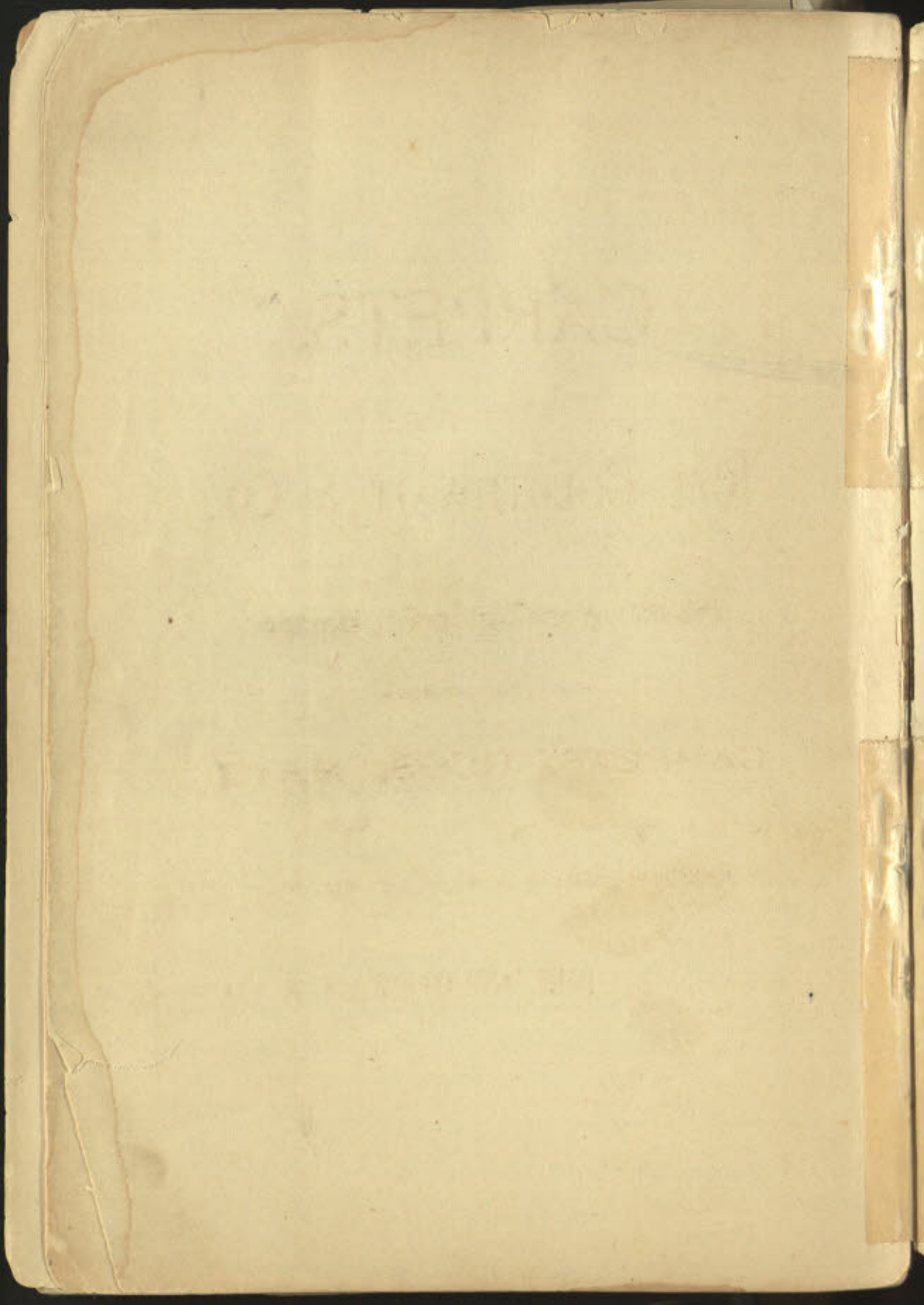
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