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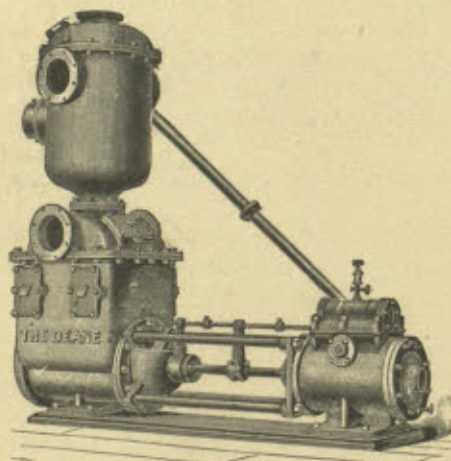


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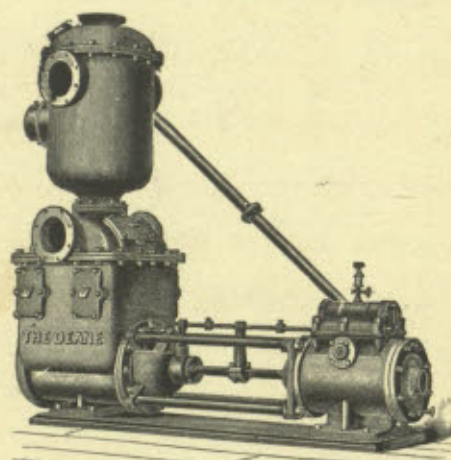
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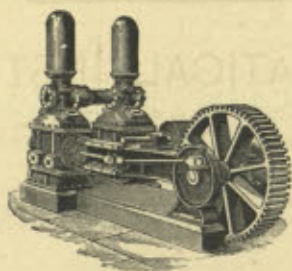
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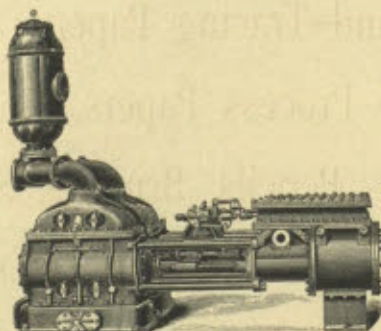


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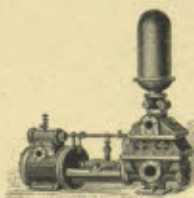
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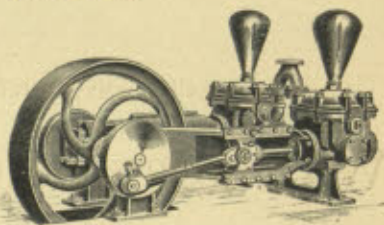


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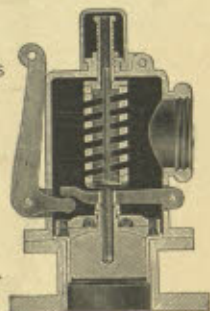
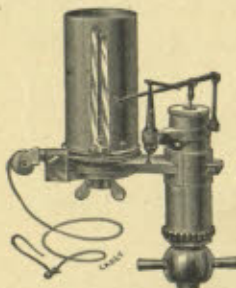
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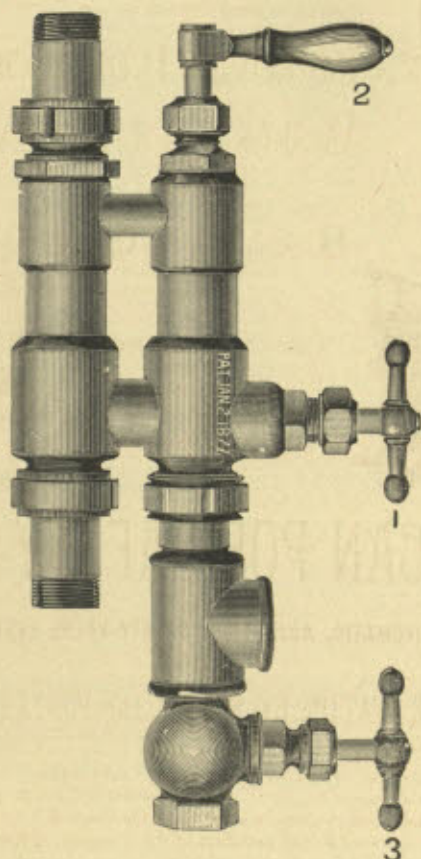
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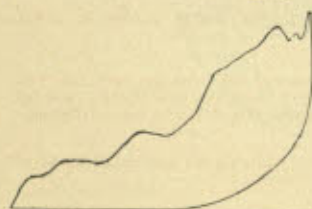
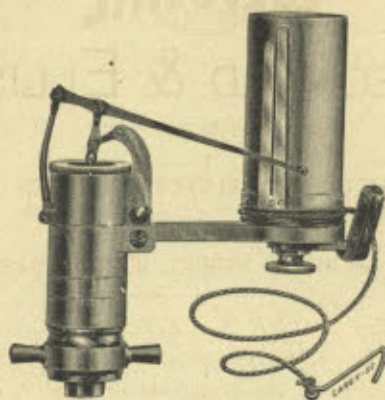
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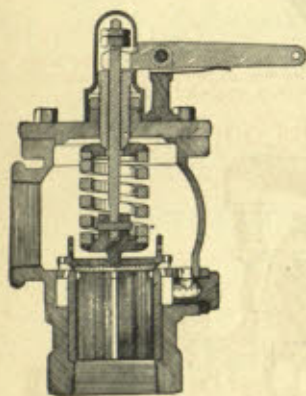
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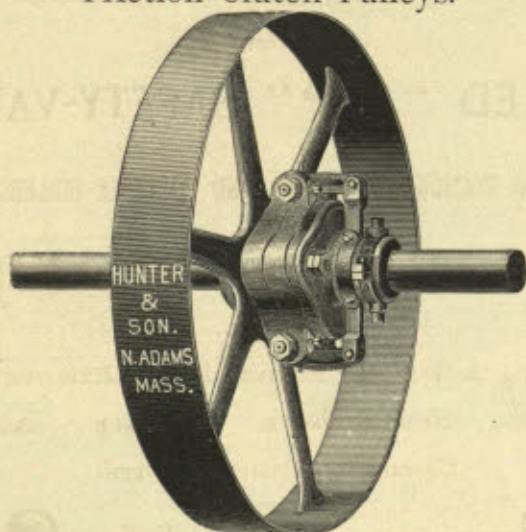
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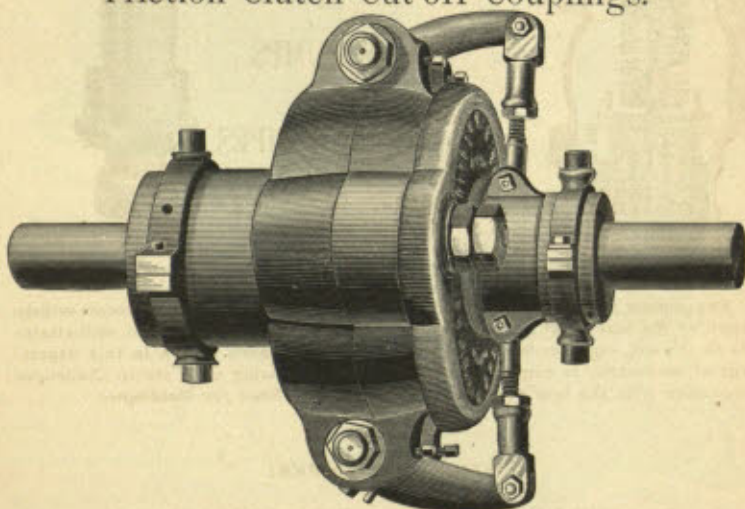
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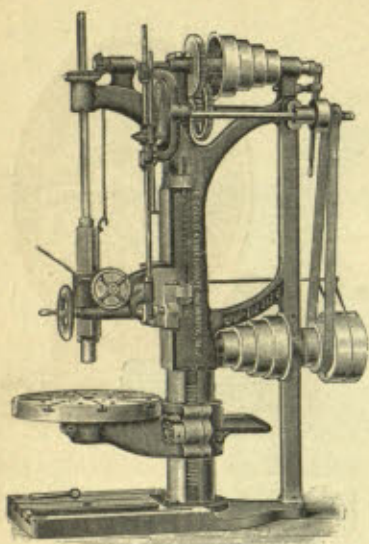


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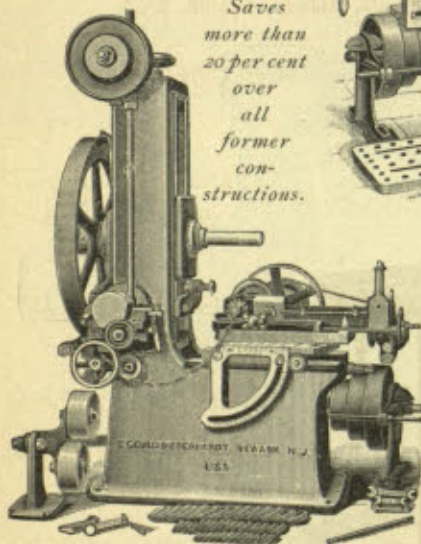


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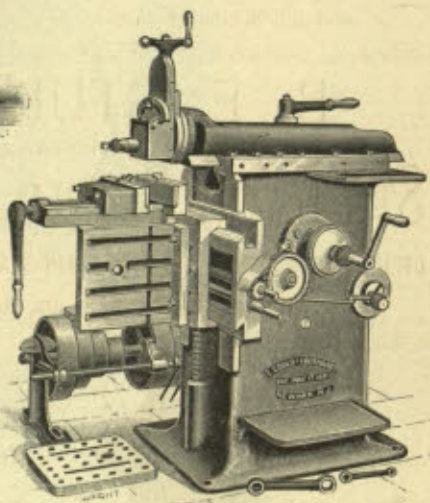
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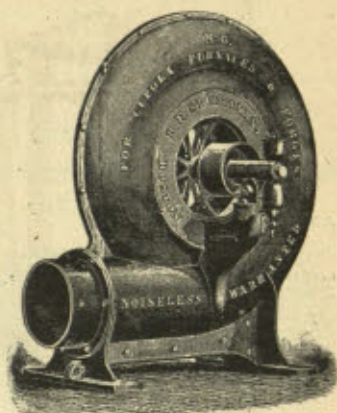
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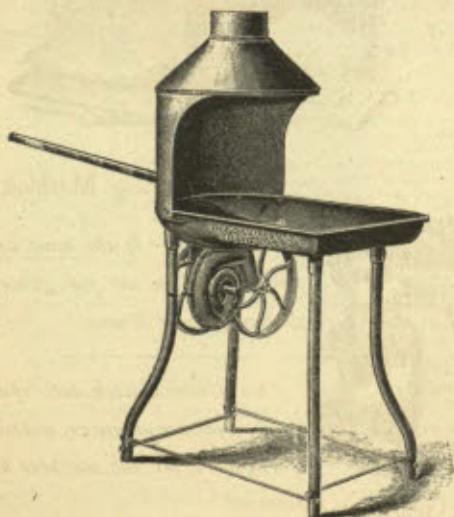
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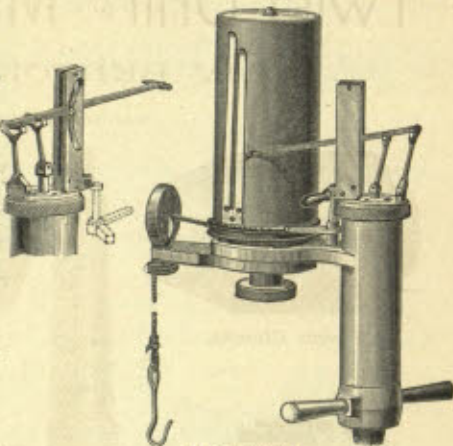
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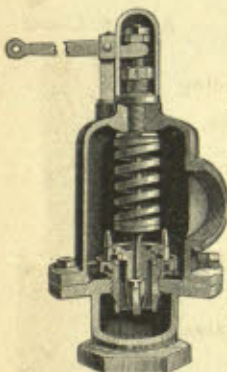
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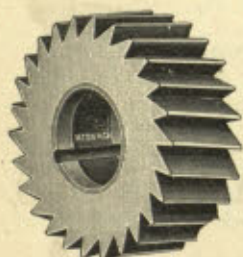
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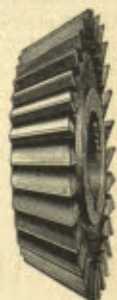


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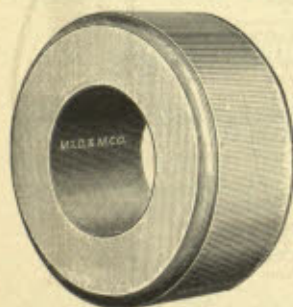


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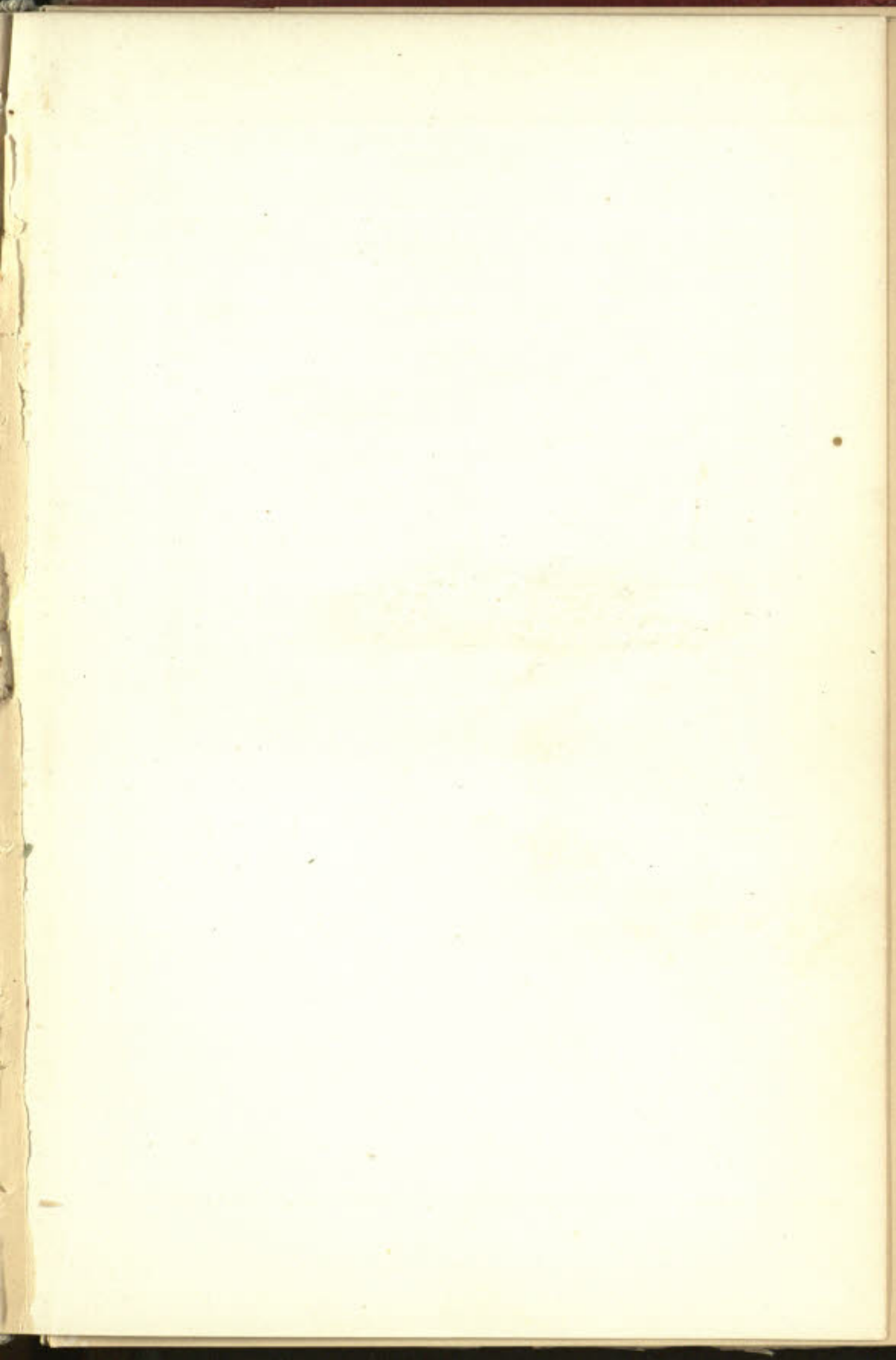
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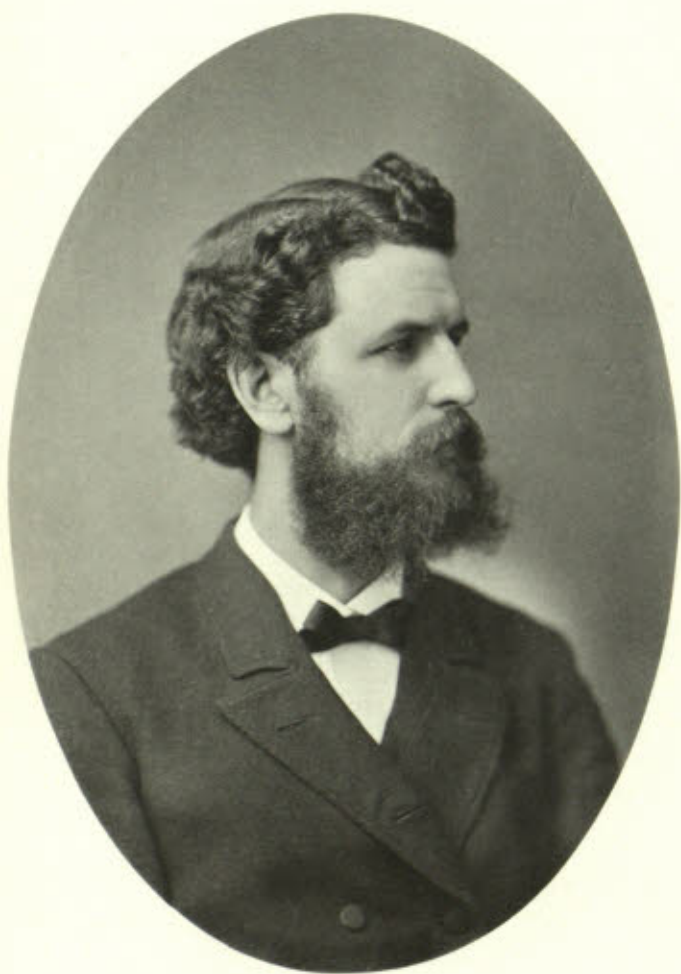
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1886.

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: Introduction :

"All is finished, and at length
Has come the bridal day
Of beauty and of strength."

AND what but perfection can result from the union of beauty and strength!

By this we do not mean to imply that the *TECHNIQUE* is absolute perfection; but, as the editors, we feel a pardonable pride in Vol. II., and claim that we have made a long stride toward perfection as the limit.

In the publication of the present volume we have made numerous changes in the arrangement of material,—which we are sure will be approved,—and have introduced many new features, of whose success we feel confident.

We have thought it best to spice our pages with a few personal hits, feeling that they would cause an interest which is wanting in a mere list of societies and clubs,—which list we have, however, striven to render complete.

Most of those who may find their names among the grinds, will, we are sure, take the allusions in good part; and those who feel that "blood alone can heal their wounds," will be accommodated by our business manager, who has arranged with two of the heaviest men on the foot-ball team to meet such persons at their leisure, and convince them of their error.

We extend our hearty thanks to the many Institute men, both professors and students, who have assisted us in the literary work, and to the numerous business firms through whose financial aid in advertising in our pages much of our success is due.

As to supporting the editors in the expense which has been incurred in publication, we will say nothing, feeling assured that this year every man will do his part.

THE EDITORS.

: Calendar :

FOR 1886-87.

School year began	Monday, Sept. 27, 1886.
TECHNIQUE issued	Thursday, Dec. 23, 1886.
Second term will begin	Tuesday, Feb. 1, 1887.
Degrees Conferred	Tuesday, May 31, 1887.
First Entrance Examinations	{ Thursday, June 2, 1887. Friday, June 3, 1887.
Second Entrance Examinations	{ Tuesday, Sept. 20, 1887. Wednesday, Sept. 21, 1887.
Examinations for Advanced Standing	Thursday, Sept. 22, 1887.
School year of 1887-88 will begin	Monday, Sept. 26, 1887.

FOR 1887-88.

School year will begin	Monday, Sept. 26, 1887.
Second term will begin	Tuesday, Jan. 31, 1888.
Degrees conferred	Tuesday, May 29, 1888.
First Entrance Examinations	{ Thursday, May 31, 1888. Friday, June 1, 1888.
Second Entrance Examinations	{ Tuesday, Sept. 18, 1888. Wednesday, Sept. 19, 1888.
Examinations for Advanced Standing	Thursday, Sept. 20, 1888.
School year of 1888-89 will begin	Monday, Sept. 24, 1888.

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of the
• OFFICERS • AND • STUDENTS •
of the
Massachusetts Institute.
• OF • TECHNOLOGY •

• FOR • THE • YEAR •

• 1886-7 •

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The Senior—oh! so far above us—
 Appreciates his sterling worth:
 "I cannot run with underduffers,
 Because, you know, I own the earth."

TECHNIQUE.

÷ CLASS OF '87 ÷

Colors, Orange and French Blue.

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History.

A YEAR has slipped by since the historian, in the first volume of *TECHNIQUE*, penned the doings of '87's members; and now, "once more the tocsin's clarion note doth ring to arms." (This quotation means that the editors are after us for "copy.")

Modern improvements have their drawbacks, most decidedly. We have just rung up the central office and tried to connect with our private Muse, but the telephone wires are being buried, and the Olympian line is cut out for the present; so here we are,—cast on our own resources.

Our last year's Class-President, Mr. Todd, followed the example of his illustrious predecessors, and the classic, or rather scientific, shades of Rogers see him no more. A few other familiar faces are missed from among us, but the majority of the class returned this fall in excellent trim for a final struggle with t-square, test-tube, or what not.

Most of the absent ones are filling positions for which their studies specially fitted them; one or two were prevented from returning by illness; while one was gone from among us almost without warning, just before the close of the last school-year, having passed life's examination with highest honors, and leaving a life-long influence upon his classmates.

A number of the class spent the summer months abroad, and from the tales they tell we should judge that Europe must have worn a pecul-

TECHNIQUE.

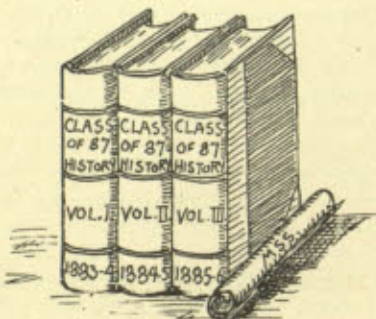
iar roseate hue during their entire stay. They were evidently full—of enjoyment.

The class-tree has been a subject of deep concern to the class-officers, and a movement is on foot to have it tested in the App. Mech. Laboratory, to see if it will stand the strain of another winter. It narrowly escaped destruction during the summer,—owing to the abnormal appetite of a cab-horse which was left standing in front of the Rogers building;—but the prompt action of John, the janitor, saved the noble standard of our hopes from an untimely fate. The horse is now being used to prevent priming in the steam-boilers of the Institute.*

The class has suffered more or less from heart troubles since last year, and in some instances the affection has become chronic. One of our popular chemists has already made arrangements for constant and tender care; and although his case is beyond recovery, we do not consider it at all fatal, and trust that "his only troubles may be little ones." Another class-mate, although still a miner, was recently overheard, at a florist's, inquiring the price of orange-blossoms, and further developments are anxiously awaited.†

As a class, we may with due modesty take pride in '87's position in the Institute's doings, and our hope now is that we may have as good a record in our chosen lines of study, as we have already earned in the Tech's athletic, social, and musical life.

O Juniors and Freshmen, and Sophomores, too,
Who think you are doing your best,
Imagine that Seniors have nothing to do,
And treat our complaints as a jest,—
Just wait till you get there, and after you do.
You'll sigh in your turn for a rest.



* See "How to Ru(i)n a Boiler," by M. E. Cobb.

† How about that, H.?

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BENJAMIN G. BUTTOLPH	Buffalo, N. Y. . .	
FRED B. COLE	Kingston	Kingston.
BERTRAND R. T. COLLINS	Great Falls, N. H.	87 Appleton St.
CHARLES H. CROMWELL	Baltimore, Md.	
RICHARD DEVENS	Boston	19 St. James Ave.
JOHN E. DOAK*	Stockton, Cal. . .	85 Dartmouth St.
FRANCIS M. DONNELL*	Houlton, Me. . . .	24 Hancock St.
HENRY F. EASTMAN	Lowell	Lowell.
FRED E. ELLIS*	Melrose	Melrose.
RICHARD EPPES, JR.	City Point, Va. . .	233 W. Canton St.
BERTRAM P. FLINT	Roxbury	27 Linwood St.
THEODORE A. FOQUE	Malden	Malden.
ARTHUR B. FRIZELL*	Boston	75 Linden St.
WALTER C. GAGE*	Warren	Somerville.
WILLIAM H. GERRISH	Lowell	Lowell.
GEORGE W. HAMBLET	Lawrence	Lawrence.
SELWYN L. HARDING	Cambridge	Cambridge.
GEORGE L. HARVEY	Chicago, Ill. . . .	74 Chandler St.
EDWARD W. HERRICK	Northampton . . .	311 Columbus Ave.
CHARLES L. HOLMES*	Waterbury, Ct. . .	296 Columbus Ave.
FRANK M. JAMES	Haverhill	72 Chandler St.
ALEXANDER JARECKI*	Erie, Penn.	
LEWIS E. JOHNSON*	Waterloo, Ia. . . .	25 Berwick Park.
WILLIAM J. KEOUGH	E. Boston	25 Maverick St.
FRANK M. LADD*	Uncasville, Ct. . .	26 Holyoke St.
ARTHUR S. MANN	West Medway . . .	West Medway.
HARRY C. MOORE	Brookline	Brookline.
FREDERICK H. MUHLENBERG,*	Boston	117 Chandler St.
LORENZO B. NEWELL	Newton Centre . .	Newton Centre.
JOHN RAY	Boston	116 Chandler St.
BENOIST S. REDD*	Natchez, Miss. . .	Brookline.
ODIN B. ROBERTS	Boston	81 Mt. Vernon St.
ALFRED H. SAWYER	Concord	Concord.
FREDERICK L. SAYER	New Bedford . . .	31 Yarmouth St.
WALTER K. SHAW	Lexington	Lexington.
EDWARD M. SMITH	No. Hampton, N. H.	No. Hampton, N. H.
WILLIAM G. SNOW	Watertown	Watertown.
RALPH SWEETLAND*	Natick	Natick.
CHARLES L. WEIL*	North Andover . .	North Andover.
JULIAN V. WRIGHT*	Cincinnati	312 Columbus Ave.

TECHNIQUE.

MINING ENGINEERING.

WILLIAM M. BEAMAN*	Rutland, Vt.	20 Worcester Sq.
CHARLES L. BROWN*	Stoughton	Stoughton.
FRANK I. CAPEN	Stoughton	Stoughton.
AMBROSE P. GAINES*	Nashville, Tenn.	3 Columbus Sq.
FREDERIC P. GULLIVER	Norwich, Ct.	
CHARLES F. HASTINGS	West Newton	West Newton.
ELLISON C. MEANS*	Ashland, Ky.	215 W. Canton St.
CLARENCE W. PERLEY*	Lynn	Lynn.
JOHN M. SULLY	Cambridge	Cambridge.
A. SYDNEY WARREN	Newport, R. I.	29 West Cedar St.
AMOS E. WOODWARD	East Somerville	East Somerville.
HARVEY G. WOODWARD*		34 Union Park.

ARCHITECTURE.

WILL S. ALDRICH*	Freeport, Me.	50 Union Park.
HENRY D. BATES	Racine, Wis.	236 W. Canton St.
HENRY F. BIGELOW	Clinton	34 Mt. Vernon St.
WILLIAM W. BOSWORTH*	Roxbury	Hotel Warren.
JOSEPH E. CHANDLER*	Plymouth	Plymouth.
CLIFFORD F. CROSBY*	Framingham	Framingham.
SIMON B. EISENDRATH*	Chicago, Ill.	102 Dartmouth St.
J. EDWARD FULLER, Jr.	Worcester	311 Columbus Ave.
EDWARDS J. GALE*	Exeter, N. H.	Newton.
IRVING T. GUILD*	Lynn	Lynn.
JOSEPH J. HALL*	Atlanta, Ga.	Lexington.
HOWARD G. HODGKINS*	Boston	77 Montgomery St.
THOMAS R. KIMBALL*	Omaha, Neb.	
FRANK B. MEADE*	Cleveland, O.	29 Berwick Park.
FRANK A. MOORE	Worcester	311 Columbus Ave.
WILSON B. PARKER*	Morristown, N. J.	310 Columbus Ave.
DWIGHT H. PERKINS*	Chicago, Ill.	127 Pembroke St.
WILLIAM PROCTOR, Jr.*	Arlington	Arlington.
CLARY E. RAY*	Washington, D. C.	
ANNIE G. ROCKFELLOW*	Mt. Morris, N. Y.	67 Chandler St.
GEORGE C. SHATTUCK*	Nashua, N. H.	Nashua, N. H.
MURRAY SMITH*	Boston	12 Atherton St.
EVERETT K. TAYLOR*	So. Orange, N. J.	310 Columbus Ave.
FREDERICK S. TAYLOR*	Boston	231 Marlboro St.

TECHNIQUE.

CHEMISTRY.

HERBERT S. BIRD	City Mills	City Mills.
J. T. NORWOOD BRAITHWAITE*	Cleveland, O.	12 Somerset St.
RUSSELL H. COLBY	Leominster	Charlestown.
ARTHUR J. CONNER	Boston	437 Columbus Ave.
GEORGE C. DEMPSEY*	Lowell	Lowell.
ADDIE E. EDWARDS*	Winooski, Vt.	Bradford.
JAMES T. GREELEY*	Nashua, N. H.	290 Columbus Ave.
GEORGE L. HEATH	Everett	61 Haverhill St.
EDWARD C. HOLTON	Winchester	Winchester.
MARY HUTCHESON*	Boston	Hotel Copley.
ISABEL F. HYAMS*	Boston	1 Sharon St.
JAMES W. LOVELAND	East Boston	25 Princeton St.
GEORGE V. McLAUTHLIN	E. Bridgewater	E. Bridgewater.
CHARLES G. MERRELL	Cincinnati, O.	21 Pinckney St.
ADELAIDE SHERMAN*	Roxbury	53 Norfolk St.
CLARENCE W. SMITH*	Cambridge	86 Prospect St.
JOSEPH C. SMITH*	Providence, R. I.	
NOAH B. SMITH*	Washington, D. C.	106 Appleton St.
FRANK O. STETSON	Newton	Newton.
GREENLEAF R. TUCKER*	Boston	City Hospital.
FRED C. WELD	Jamaica Plain	Forest Hill St.

ELECTRICAL ENGINEERING.

JAMES C. T. BALDWIN*	Jamaica Plain	Pond St.
HAROLD O. BINNEY	Boston	76 Mt. Vernon St.
WILLIAM H. BLOOD, Jr.	Auburndale	Auburndale.
DAVID A. CENTER	Gloucester	Gloucester.
FRANK P. CHENEY	Lowell	Lowell.
GEORGE E. CLAPLIN	Providence, R. I.	12 Highland Ave.
SYLVANUS H. COBB	Hyde Park	Hyde Park.
EDWARD COLLINS, Jr.	Milton	Milton.
MAURICE DU PONT*	Wilmington, Del.	312 Columbus Ave.
EDGAR F. DUTTON	Boston	534 Warren St.
LOUIS A. FERGUSON	South Boston	121 K St.
GEORGE U. G. HOLMAN	East Boston	20 Chelsea St.
ARTHUR W. JONES	Roxbury	Norfolk House.
FRED R. NICHOLS	Keene, N. H.	
GEO. B. POOL	Forest Hills	3604 Washington St.
CHARLES A. PETERSON	Boston	180 Cambridge St.

TECHNIQUE.

RUSSELL ROBB	Detroit, Mich.	148 Warren Ave.
FREDERICK H. SAFFORD	Lawrence	Lawrence.
DAVID SILVERBERG*	Washington, D.C.	24 Greenwich Park.
CHARLES A. STONE	Newton	Newton.
WALTER I. TOWNE	Topsfield	
EDWIN S. WEBSTER	Boston	232 Newbury St.
ARTHUR S. WILLIAMS	Boston	15 Arlington St.

NATURAL HISTORY.

EDWIN O. JORDAN	Auburndale	Auburndale.
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BIOLOGY.

HAROLD G. GROSS	Eureka, Cal.	604 Tremont St.
WILLIAM L. HARRIS	No. Wilmington	No. Wilmington.

PHYSICS.

LOUIS G. SCHULTZ*	Phillipsburg, N. J.	Alpha House.
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GENERAL COURSE.

NATHANIEL I. BOWDITCH*	Framingham	29 Commonw'th Ave.
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The Junior—gallant, proud, and clever—
 Owns to the fact he has a heart;
 And to his best girl makes it ever
 Necessary with it to part.

TECHNIQUE.

❖ CLASS OF '88 ❖

Colors, Crimson and Black.

OFFICERS.

President.

ARTHUR T. BRADLEE.

Vice-President.

LOUIS A. FERGUSON.

Secretary.

GEORGE E. CLAFLIN.

Treasurer.

STEJIRAU FUKUZAWA.

Sergeant-at-Arms.

RUSSELL M. CLEMENT.

History.

IT had been the original intention of the historian to start with "Once more," and so on; but as this makes the third once Eighty-Eight has gathered herself up and collected the *débris*, we unanimously decided to dispense with "once more." Last year we got there like Old Mother Hubbard, Mr. Eli, and the opponents of the "Bijou Nine." We got there; it is perfectly evident that the above is a fact; but how? is the question that Europe is just on the verge of kicking up such a rumpus about.

We soon made up our minds that we would have to get up and be doing, or we would go down done up. We turned out in full force for Physics. Physics, without any question, has more extremely interestingly delicate and beautiful experiments than a few. It was at these entertainments that some of us asked questions three times a week, which evidently were not difficult, for they were quickly answered; and it was just here that *one* of us asked questions once a month. These, however, were rarely answered; possibly because they did not refer to

TECHNIQUE.

the previous lecture, possibly because we did not wish to disagree with Ganot. It was, indeed, these latter questions on the absolute that made such havoc with our staying powers.

While in optics, the *ne plus tough* of Physics, the "frequent source" of error was great, some of our light reflected (and got a pass or a credit, perhaps), some was dispersed (went into business), some was absorbed (by '89).

In English we caught the latest ripples stirred up by breezes from Atkinson, and found out that although it is not so important for an engineer *to be able to use elegant English* explaining why his bridge fell down, as it is for him to build the structure according to Swain in the first place. English, nevertheless, is good, and there are many handy things that are important for an engineer to know. We also can tell you that a very prominent engineer of Damfinowhere, South America, backs up English, and says it comes very handy for an engineer.

We found Mechanism was strongly inclined to be too many for us, or we too few for it; but by linking ourselves together, and catching on to a parallel motion, we found that we could slide through, though, according to the report from the Faculty's indicator, there must have been considerable friction, and a good deal of steam which went to waste.

Outside of the recitation-room, that is, in Athletics "Eighty-Eight" proved she was about all right. We pulled "Eighty-Nine's" tug-of-war team, also members of the class who backed their team, but yielded gracefully to the tugging of the heavenly synonym who celebrated the event with a supper, about half the class doing the right thing, as usual. Our Department League played some great games last year, the artistic posters of the Electrical-Civil game being coolly stolen by some ruffian.

Our elevens are now undergoing a process of championship games, and there ought to be some good playing, for we have plenty of rushers and half-backs; and certainly Course IX. can furnish the snaps, while we look to the specials for our fall-backs. In '88 are eighty-four regular grinds and sixty-three specials, who are going to take Time by the forelock, if he will allow himself to be so taken in a crowd; and with Bradlee in the chair, and Fukuzawa at the cash-box, look out for us, for we are coming in '88.



TECHNIQUE.

'88 CLASS SONG.

AIR — "CLEMENTINE."

I N our studies, waxing harder,
Here we're joined in heart and hand :
Thus we've reached our second year,
And become a Soph'more band.
There's the lady in the bird-cage,
Who so languidly says " No,"
When you ask her so politely
If you have a note or so.
Then there's William, dear old William,
Who so shakes the building down
With the stamping of many bipeds,
Which his powers in Rhetoric drown.

Oh ! my friends and fellow-classmates,
Join in song,—it's getting late ;
Raise your voice, and sing your loudest
For the Class of '88 !

Also Webster, the great wonder,
Whose large, mathematical mind
Lays us out when to the board
He sends us a proof to find !
Dr. Drown to the chemists
Has asserted his great might :
We can no longer work in shirtsleeves,
For he says it is not right.
In our German,—there's where Otis,
That old chestnut, rakes up,
Of "*die Taube und die Biene*,"
And it always break us up !

CHO.

With what sorrow do we try to
Digest all of Faunce's curves !
Can't we ever make him leave us,
To meet the fate which he deserves ?
Then there's Charley, who talks about
" This interesting fact : "

TECHNIQUE.

Oh, with this and many others
My poor brain is sadly racked!
There's the Arch'tect, clean and tidy,
Who makes plans and houses dear:
He thinks he's going to haul in boodle
By the stuff he learneth here! CHO.

There's the Miner,—poor old devil!—
Who gloats o'er the thought of gold,
And longs to dig it up by handfuls;
Before it's done, though, the day'll be cold!
There's the Civil, wan and weary
From surveying miles of land,
Putting in and pulling out pins;
But he's got a lot of sand!
But it's hard luck when he finds that
A point which he must get,
Comes exactly in the middle
Of a mud-pond, deep and wet! CHO.

Oh! the Electrical fellow,
With his Leyden jars and wires:
What a *shocking* joke it would be
If by *currents* he retires!
There's the glided panacea
For all ills, both cold and strange:
It's the Chapel, good and holy,
Called by some "Brunswick Exchange!"
Let us have a rousing cheer for
The flags which we have won:
May they always cheer our hearts up,
To show the world what we have done! CHO.

F. L. V. HOPPIN.

A. S. WARREN.

: Sophomore Class :

CIVIL ENGINEERING.

ARTHUR F. BARDWELL*	Springfield	218 Columbus Ave.
FRANK H. CILLEY*	Dorchester	601 Dudley St.
ELBRIDGE R. CONANT*	Acton	Acton.
ROLAND N. CUTTER	Winchester	Winchester.
CHARLES H. DEETZ	Sellersville, Pa.	196 W. Canton St.
WILLIAM H. DOW	Portland, Me.	42 Concord Sq.
WILLIAM M. DUANE	West Newton	West Newton.
EDWIN F. DWELLEY	West Hanover	West Hanover.
CHARLES W. GROSE	North Abington	North Abington.
BENJAMIN W. GUPPY	Jamaica Plain	8 Myrtle St.
PAUL R. HAWKINS*	Springfield	312 Columbus Ave.
SCHUYLER HAZARD.	Georgetown, S. C.	Braintree.
WILLIAM S. JOHNSON.	Saxonville	Saxonville.
JOHN E. MAY, Jr.	Philadelphia, Pa.	19 St. James Ave.
SAMUEL H. MILDRAH.	Neponset	Neponset.
SAMUEL M. NEWELL	West Newbury	336 Shawmut Ave.
CLARENCE G. NORRIS	Hyde Park	Hyde Park.
LYMAN B. PENDLETON	Stonington, Conn.	34 Buckingham St.
FRED. W. RANNO	Manchester, N. H.	69 Montgomery St.
GEORGE L. RICHARDSON	San Rafael, Cal.	85 Dartmouth St.
RICHARD L. RUSSEL	Pottsville, Pa.	198 Beacon St.
EDWARD V. SHEPARD.	Salem	Salem.
WALTER E. SILSBEE	Lynn	1 Columbus Sq.
CHARLES L. SIMPSON.	Kansas City, Mo.	517 Columbus Ave.
FRANK A. SMYTHE.	Somerville	Somerville.
GEORGE C. WHIPPLE	Chelsea	Chelsea.

MECHANICAL ENGINEERING.

WILLIAM H. ATTWILL*	Lynn	Lynn.
ARTHUR W. AYER	East Somerville	East Somerville.

TECHNIQUE.

HAYDEN G. BAILEY	Boston	208 Dartmouth St.
GEORGE M. BASFORD	Boston	Parker Hill Ave.
CHARLES H. BATES*	Boston	41 Mt. Vernon St.
CHARLES E. BEALS	Stoughton	Stoughton.
WILLARD G. BIXBY	Salem	Salem.
ZENAS W. BLISS	Providence, R. I. . . .	41 Fairfield St.
CHARLES N. BORDEN	Fall River	369 Columbus Ave.
E. LYMAN BROWN*	Boston	80 Mt. Vernon St.
HENRY A. CRAIGIN	Boston	41 Fairfield St.
FRED A. CROSSMAN	Providence, R. I. . . .	20 Milford St.
ARTHUR L. DAVIS	Boston	85 Dartmouth St.
NATHAN DUFEE	Fall River	269 Columbus Ave.
HERMAN S. ELDER*	Lewiston, Pa. . . .	362 Columbus Ave.
WILLARD W. ESTABROOK*	Boston	42 Rutland Sq.
JOHN T. FAIRBAIRN	Hyde Park	Hyde Park.
EDWARD V. FRENCH	Lynn	Lynn.
IRVING L'H. GARDINER	Milford, Pa. . . .	6 Allston St.
FRANKLIN W. HOBBS	Brookline	Brookline.
EDWARD S. HUTCHINS	Providence, R. I. . . .	5 St. James Ave.
PAUL J. KENDRICKEN*	Boston	376 Dudley St.
LEWIS H. KUNHARDT	Melrose Highlands, Melrose Highlands.	
WILLIAM W. LEWIS	Hyde Park	Hyde Park.
HARRISON LORING, Jr.*	South Boston	789 Broadway.
EDMUND P. MARSH*	Newton	Newton.
SUMNER B. MERRICK	Arlington Heights, Arlington Heights.	
FRANK C. NASH*	Cherryfield, Me. . . .	336 Shawmut Ave.
ALMON E. NORRIS	Lexington	Lexington.
FRANK L. PIERCE*	Springfield	
FRANK E. SANBORN	Roxbury	103 Moreland St.
SAMUEL B. SHELDON*	Manchester	Manchester.
HARRY D. SMITH	Boston	16 Bond St.
WILLIAM B. THURBER	Plymouth	Plymouth.
WILLIAM W. UNDERHILL	Winchester	Winchester.
JOSEPH B. WHITE*	North Hanson	North Hanson.
ARTHUR L. WILLISTON	Cambridge	Cambridge.
VICTOR WINDETT	Chicago, Ill. . . .	296 Columbus Ave.
WALTER G. WINCHETT	Dayton, O. . . .	62 Berkeley St.

MINING ENGINEERING.

FREDERICK H. BRAINERD	So. Englewood, Ill. . . .	Dorchester.
ARTHUR M. FORRISTALL	Boston	172 W. Newton St.
VICTOR RAY	Cincinnati, O. . . .	116 Chandler St.

TECHNIQUE.

JASPER WHITING	Charlestown	100 Main St.
ROBERT C. WILLIAMS	Marquette, Mich.	127 Pembroke St.
BENJAMIN F. WILSON, Jr.	Norfolk, Va.	26 Berwick Park.

ARCHITECTURE.

JOHN W. BEMIS*	Cambridge	Cambridge.
F. EARLE CALKINS*	Chicago, Ill.	353 Columbus Ave.
CHARLES H. CONVERSE*	Newton	Newton.
EDWARD A. CRANE*	Taunton	Taunton.
CHARLES W. DAWSON*	Lowell	Lowell.
HEINRICH C. DITTRICH*	Kansas City, Kan.	63 Camden St.
ARTHUR V. EDWARDS	Milton	Milton.
CHARLES R. EDGERTON*	Little Rock, Ark.	75 Chandler St.
DAVID P. GOODRICH	South Boston	801 Broadway.
ALFRED H. GRANGER*	Zanesville, O.	43 W. Newton St.
ADOLPH HALLENBERG*	Louisville, Ky.	357 Columbus Ave.
GEORGE C. HARDING*	Pittsfield	41 Appleton St.
RICHARD HOOKER	Roxbury	19 Forest Ave.
JOSEPH L. JOYCE*	Boston	84 Terrace St.
GEORGE C. KAUFMAN*	Syracuse, N. Y.	196 W. Canton St.
DANIEL D. KEARNS*	Roxbury	77 Quincy St.
WALTER H. KILHAM	Beverly	Beverly.
ANTHIME W. LA ROSE*	Albany, N. Y.	68 Chandler St.
CHARLES R. LA ROSE*	Albany, N. Y.	68 Chandler St.
FRANK H. MARTIN*	Providence, R. I.	
EDWIN J. MEYERS*	Evansville, Ind.	420 Columbus Ave.
EDWARD T. NEWTON*	Holyoke	371 Columbus Ave.
JOHN F. O'BRIEN*	Boston	Chardon St.
HERMAN PARKER*	Boston	228 Com'nw'lth Ave.
THEODORE W. PIETSCH	Chicago, Ill.	40 Clifford St.
CHARLES B. PITMAN*	Somerville	Somerville.
WILLIAM G. PLUMER	Peabody	Peabody.
JOHN H. RANKIN*	Lock Haven, Pa.	16 Bulfinch St.
GEORGE W. STONE*	Madisonville, O.	West Medford.
HERMAN W. TAMKIN*	Syracuse, N. Y.	14 St. Charles St.
PAUL. H. TRACY*	Boston	620 Tremont St.
OLIVER F. WADSWORTH, Jr.	Boston	139 Boylston St.
GEORGE C. WALES	Boston	202 Com'nw'lth Ave.

CHEMISTRY.

SPAULDING BARTLETT	Webster	3 Oxford Terrace.
EDWARD J. BEACH	Dubuque, Ia.	1,204 Washington St.

TECHNIQUE.

NATHANIEL BREWER, 3d*	Swampscott	Swampscott.
JAS. W. CARTWRIGHT, Jr.*	Boston	503 Columbus Ave.
FRED CRABTREE	Lawrence	Lawrence.
WILLIAM S. DAVENPORT	Roxbury	190 Dudley St.
HARRISON G. DYAR	Rhinebeck, N. Y.	170 W. Chester Park.
JAMES P. GILBERT*	Jamaica Plain	Chestnut Ave.
EDWARD M. HARRINGTON	Reading	Reading.
FRED S. HOLLIS*	Newton Highlands	Newton Highlands.
FRED. L. HOPKINS	Lawrence	Lawrence.
HENRY HOWARD*	Longwood	Mountfort St.
MARCUS T. SPRING*	Danvers	Danvers.
GEORGE G. STONE*	Evanston, Ill.	108 Boylston St.
HERBERT C. TUTTLE*	Concord	Concord.
CHARLES R. WALKER.	Cambridgeport	Cambridgeport.
WILLIAM B. WILLIM*	Stillwater, Minn.	69 Montgomery St.

ELECTRICAL ENGINEERING.

FREDERICK W. BRADLEY	Lowell	420 Columbus Ave.
J. NORMAN BULKLEY	New York, N. Y.	204 W. Springfield St.
FRANK L. DAME	Boston	19 Temple Place.
KINSLEY DUNBAR	Canton	Canton.
J. PARKER B. FISKE	Auburndale	Auburndale.
HOLLIS FRENCH.	Boston	200 Com'nw'lth Ave.
EARL W. GANNETT	Omaha, Neb.	127 St. Botolph St.
FRED HAM	Somerville	Somerville.
FRANCIS HART	New Bedford	Jamaica Plain.
HENRY M. HOBART	Boston	60 W. Rutland Sq.
HARRY H. HUNT	Melrose	Melrose.
GEORGE B. LAUDER*	Concord, N. H.	306 Columbus Ave.
FRANK A. LAWS	Brockton	Brockton.
J. LAWRENCE MAURAN	Providence, R. I.	
WILLIAM H. MERRILL	New York, N. Y.	304 Columbus Ave.
CLAYTON W. PIKE.	Fryeburg, Me.	165 Boylston St.
CHARLES W. POWER	Pittsfield	19 Upton St.
GEORGE W. ROUNDS	Malden	Malden.
WILLIAM L. SMITH	Boston	360 Marlboro St.
ARTHUR E. TRUESDELL	West Stockbridge	Newton.
FRANK B. VAN NOSTRAM	Charlestown	10 Auburn St.
CHARLES H. WARNER	Fall River	275 Newbury St.
GEORGE A. WHITMORE	Boston	Hotel Helvetia.
FRANK P. WHITNEY	Boston	592 Adams St.
THEODORE G. WILLIAMS	Boston	28 Highland Pk. Ave.

TECHNIQUE.

BIOLOGY.

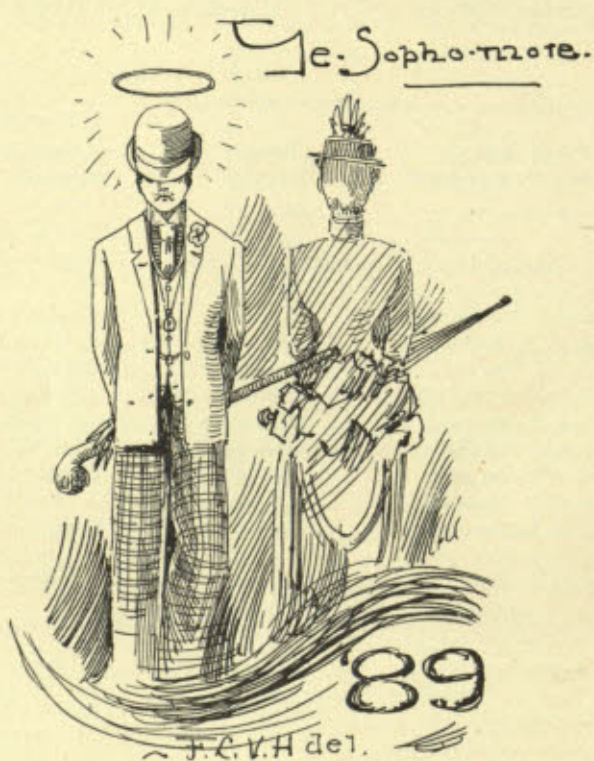
ANNIE F. BALDWIN* . . . Boston . . . 61 Clarendon St.
ALEXANDER L. KEAN* . . . Elizabeth, N. J. . . 1 Oxford Terrace.

PHYSICS.

HORACE P. EDGETT . . . Beverly . . . Beverly.
ARTHUR D. KINSMAN* . . . Ipswich . . . Beverly.

GENERAL COURSE.

FREDERIC S. BOUTWELL . . . Lowell . . . Lowell.
CHARLES B. DODGE . . . Skowhegan, Me., 12 Bowdoin St.
RALPH M. FAY . . . Xenia, O. . . 199 West Newton St.
MONTGOMERY ROLLINS . . . Dover, N. H. . . 239 West Canton St.
GEORGE F. RUSSELL . . . Lawrence . . . 143 Boylston St.
J. DELANO WOOD* . . . New Bedford . . 4 Mt. Vernon St.
STURGIS G. BATES* . . . Greenup, Ky. . . 16 Ashburton Place.
GEORGE D. MARCY* . . . Portsmouth, N. H.
WALTER H. TENNEY* . . . Dorchester . . * Trull St.



Oh! who is this, with lordly mien,
 Who owns no power or law,
 Who says his "I" with relish keen?
 It is the Sophomore.

TECHNIQUE.

❖ CLASS OF '89 ❖

Colors, Navy Blue and White.

OFFICERS.

President.

J. P. B. FISKE.

Vice-President.

G. M. BASFORD.

Secretary.

G. C. WALES.

Treasurer.

F. L. DAME.

Sergeant-at-Arms.

W. B. THURBER.

History.

"**A**PPPLICANTS for admission will please file attendance papers in Room 11." These words, neatly printed on a bulletin, marked the beginning of our history,—the history of the class of '89. Since then we have passed through one year's ordeals, and though the dangerous Semies and the fatal Annuals have caused several of our number to graduate prematurely, we are, on the whole, feeling quite well.

Our first class-meeting was a success; and although our many friends and admirers in '88 attempted to contribute amusement, they concluded not to after a short experience.

Mr. Hollis French was elected President *pro tem.*, and later Mr. H. D. Smith filled the presidential chair, having been elected with all due pomp and *éclat*, according to the laws set down in the newly adopted constitution.

An attempt was made in the fall of '85 to form a class society; but doubt and darkness shrouded it in gloom, and little was heard of it save an occasional query, "Is unconstitutionality illegal?" But in the fall of '86 vigorous steps were taken, and the society of '89 was exhumed, and is now a brilliant example of what a class society should be.

TECHNIQUE.

At the Winter Games of the Athletic Club our tug-of-war team pulled '88 off the cleats, but, owing to a slight misunderstanding as to the time, allowed them to drop back and take with them a foot or so of rope; but *really*, you know, we had them.

But where we distinguished ourselves on the cleats, was at the February meeting. On that occasion the Harvard Sophomores were our victims, and great was the rejoicing thereat in '89.

We also ran an eleven and a nine, but pressure of study did not allow sufficient practice, or we would have attained a higher level than we did.

But drill must not be forgotten. '89 distinguished herself with the musket, introducing guard-mounting for the first time, at the Prize Drill. A party of military men from '89 visited Fort Warren in the spring, and returned with highly developed ideas on heavy ordnance.

Then came the dreaded Annuals. But we will not pause at this phase of our history. Suffice it to say that we are still here,—that is, most of us are.

Now, no longer as Freshmen, we begin to appreciate the beauties of Analytic Geometry; Descrip. has resistless charms for us; and Physics calls us all together with the soul-stirring war-cry of $E=\frac{1}{2}\omega^2\Sigma mr^2$. Now we know all about the "*Esel*" who "*begegnete einem hungrigen Wolfe*;" and "*Le travail de l'homme*" is forgotten in the absorbing interest of "*Die wilde Taube und die Biene*."

But this history has now reached the present time, so let us close, and in the future, as in the past, look out for '89's greatness.



: Freshman Class :

ARTHUR H. ADAMS	Watertown . . .	Watertown.
WILLARD C. ALDRICH	Somerville . . .	Somerville.
EVERETT F. ARMINGTON	Weymouth . . .	Weymouth.
ALBERT C. ASHTON	Somerville . . .	Somerville.
FRANK W. ATWOOD	East Boston . . .	81 Lexington St.
CYRUS C. BABB	Boston	12 Somerset St.
SAMUEL W. BABBITT	Fairhaven . . .	Cambridgeport.
JOSEPH B. BAKER	South Boston . . .	819 Broadway.
JOHN L. BATCHELDER, Jr. . . .	Jamaica Plain . . .	Pond St.
EDWARD M. BEALS	Boston	125 Newbury St.
ELISHA B. BIRD	Dorchester . . .	122 Cottage St.
ARTHUR B. BELLOWS	Walpole, N. H. . .	272 Newbury St.
CHARLES B. BEASOM*. . . .	Nashua, N. H. . .	30 Appleton St.
JOHN B. BLOOD	Newburyport . . .	Newburyport.
FEDERICO Y CORBACHO BLUME*	Lima, Peru . . .	16 E. Brookline St.
J. CRISTOBEL BLUME	Lima, Peru . . .	48 Chester Sq.
J. EDGAR BORDEN	Fall River . . .	Auburndale.
AUSTIN D. BOSS*	Willimantic, Ct. . .	4 Moreland St.
WILLARD L. BOWKER	Walpole	Walpole.
ALEXANDER S. BRADLEY	Hyde Park, Ill. . .	Dorchester.
EDWARD F. BRAGG	Taunton	Taunton.
HORACE L. BRAND	Chicago, Ill. . .	12 Yarmouth St.
DANIEL W. BRINTNALL*. . . .	Charlestown . . .	76 High St.
ALBERT F. BROWN	Roxbury	106 Ziegler St.
EDWARD D. BROWN	Reading	Reading.
HARRY W. BROWN	Marblehead . . .	Marblehead.
RALPH G. BROWN	Boston	486 Columbus Ave.
HARRISON S. BUFFUM	Providence, R. I. . .	
HARRY B. BURLEY*	No. Epping, N. H. . .	Charlestown.
ADRIANNA V. BUNKER	Auburndale . . .	Auburndale.
ROBERT G. W. BUTTERS	Haverhill	291 Columbus Ave.
GARY M. CALKINS	Chicago, Ill. . .	353 Columbus Ave.
DUNCAN CAMPBELL	Pawtucket, R. I. . .	102 Revere St.
MORTEN CARLISH	Cincinnati, O. . .	295 Columbus Ave.
CHESTER V. CARLTON	Milford, N. H. . .	Winchester.
JAMES A. CARNEY	Lowell	Lowell.
GEORGE D. CHAPMAN	Fitchburg	66 Chester Sq.
MARY CHAPMAN*	Boston	52 Bowdoin St.
ARTHUR E. CHASE*	Leominster . . .	325 Columbus Ave.

TECHNIQUE.

FRANCIS B. CHOATE	Salem	Salem. *
CHARLES O. CHURCHILL	Abington	Abington.
HOMER C. CLAPP	South Boston	729 E. Fourth St.
EDWARD A. CLARK	Jamaica Plain	Greenough Ave.
JAMES CLARK, Jr.	Louisville, Ky. . . .	
HARRY W. CLEMENT	Rutland, Vt. . . .	316 Shawmut Ave.
THOMAS N. CODMAN	South Lincoln	South Lincoln.
WINTHROP COFFIN*	Auburndale	Auburndale.
WILLIAM H. COLLINS	Phoenix, R. I. . . .	118 Chandler St.
WALTER F. COOK	Dorchester	Boston St.
JOHN G. CRANE	Taunton	Taunton.
WILLIAM L. CREDEN	South Boston	940 Broadway.
HARRY W. CURTIS	Marlboro	Marlboro.
WILLIAM G. CURTIS	Abington	Abington.
OTIS DANIELL	Franklin, N. H. . . .	474 Columbus Ave.
W. FISHER DANIELL, Jr. . . .	Franklin, N. H. . . .	474 Columbus Ave.
JOHN C. E. DE BULLET	Carroll, Md. . . .	Hotel Brunswick.
ALEXANDER J. DELANO	Boston	231 Dudley St.
JOHN O. DEWOLF	Greenfield	14 Winthrop St.
GEORGE W. DODD	Boston	12 Newbury St.
FRED H. DODGE	Toledo, O. . . .	80 W. Newton St.
WALTER J. DORE	Chicago, Ill. . . .	150 Chandler St.
FRANK W. DUNBAR	Canton	Canton.
PIERRE S. DU PONT	Philadelphia, Pa. . . .	436 Columbus Ave.
GORDON EATON	Holliston	Holliston.
GEORGE F. ELDRIDGE	Hyde Park	Hyde Park.
WALTER ELLIS	Newton	Newton.
GUY C. EMERSON	Orland, Me. . . .	413 Shawmut Ave.
WILLIAM H. FENN	Jersey City, N. J. . . .	426 Columbus Ave.
WILLIAM I. FINCH	Scranton, Pa. . . .	369 Columbus Ave.
FREDERIC T. FISCHER	Highland Park, Ill. . . .	517 Columbus Ave.
CHARLES F. FITTS	Haverhill	Haverhill.
WILLIAM P. FLINT	Brookline	Walnut St.
SAMUEL D. FLOOD	Hyde Park, Ill. . . .	19 St. James Ave.
CASSIUS M. FOSTER	Toledo, O. . . .	80 W. Newton St.
GEORGE W. FULLER	West Medway	West Medway.
EDMUND D. GARFIELD	Fitchburg	Cambridge.
MARY E. GILBRETH*	Boston	156 W. Chester Park.
G. ABBOTT GILMAN*	Newton	Newton.
GEORGE L. GILMORE	Charlestown	212 Bunker Hill St.
HALL GLEASON*	West Medford	West Medford.
JOHN W. GLIDDEN	De Kalb, Ill. . . .	60 W. Rutland Sq.
FRANCIS GOODHUE, Jr. . . .	Brattleboro, Vt. . . .	32 W. Cedar St.
HARRY M. GOODWIN	Boston	3 Townsend St.
FRANK P. GOWING*	Boston	4 Marlboro St.
WILLIAM R. GREENE	Riverpoint, R. I. . . .	Brookline.
FRANK M. GREENLAW	Roxbury	5 Willoughby Pl.

TECHNIQUE.

EDITH T. GUILD*	Boston	108 Marlboro St.
HERBERT W. HADDOCK	Michigan City, Ind.	Auburndale.
WILLIAM HAGUE*	Tidionte, Pa.	Wollaston Heights.
GEORGE E. HALE	Chicago, Ill.	Dorchester.
FREDERIC B. HALL	Charlestown	70 Winthrop St.
JOHN R. HALL	Longwood	Sewal Ave.
RODERICK D. HALL	Boston	376 Columbus Ave.
EDGAR L. HAMILTON	Fond du Lac, Wis.	361 Columbus Ave.
FREDERIC E. HARNDEN	Boston	34 Rutland Sq.
WILLIAM HASKINS	Medford	Medford.
GEORGE L. HAWES	Newton Centre	Newton Centre.
CHARLES HAYDEN	Boston	166 Newbury St.
SOPHIA G. HAYDEN	Jamaica Plain	325 Lamartine St.
JOHN P. HEYWOOD	Chicago, Ill.	78 Temple St.
LEONARD M. HILLS	Amherst	148 W. Canton St.
GEORGE A. HILTON	Cambridge	Cambridge.
EDWARD S. HOLMES	Plymouth	Plymouth.
EUGENE A. HOLMES	Medford	Medford.
LEMUEL B. HOLMES	Kingston	Kingston.
S. ELLSWORTH HORTON	Windsor Locks, Ct.	46 Savin St.
GILBERT HUBBARD	West Newton	West Newton.
FRANCIS F. HUSSEY	West Newton	West Newton.
JOHN S. HYDE	Bath, Me.	105 Pembroke St.
KARL H. HYDE	Neponset	Neponset.
S. FOSTER JAKUES	Newburyport	Newburyport.
WILLIAM H. JOHNSON	Haverhill	291 Columbus Ave.
HARRY W. KERNS	Chicago, Ill.	156 W. Chester Park.
RICHARD H. KIMBALL	Concord, N. H.	
FRED E. KINGSBURY	Keene, N. H.	Mount Auburn.
FRANKLIN KNIGHT	Lynn	Lynn.
CHARLES KOCH	Cincinnati, O.	37 Greenwich Park.
LOUIS M. LATTA	Boston	180 Commonw'th Av.
BERTRAM A. LENFEST	Wakefield	Wakefield.
JOHN C. LEE*	Roxbury	145 Cedar St.
ERNEST A. LESNEM	Ottawa, Can.	Newton Highlands.
ASHERTON LORING	South Boston	789 Broadway.
GEORGE B. LOYNES	Lee	Newton Centre.
MOSES LYMAN, Jr.	Waverly, N. Y.	2 Columbus Sq.
WALLACE MACGREGOR	East Braintree	East Braintree.
ERNEST M. A. MACHADO	Salem	Salem.
EDWARD R. MAKER	Melrose	Melrose.
BERTRAM H. MANN	Weymouth	Weymouth.
WILLIAM A. MARSHALL*	Belfast, Me.	46 Union Park.
WALDO A. MARTIN	Milton	Milton.
WISNER B. MARTIN	San Francisco, Cal.	Cambridge.
GEORGE B. McBEAN	New York, N. Y.	314 Columbus Ave.
FRANK A. McDONALD	Ellsworth, Me.	148 W. Newton St.

TECHNIQUE.

JAMES MEAD	Gr'nd Rapids, Mich.	86 Mt. Vernon St.
GEORGE E. MERRICK	Holyoke	98 Chandler St.
HENRY MESIER	Wappinger's Falls,	115 Berkeley St.
FREDERICK METCALF	Providence, R. I.	69 Clarendon St.
EVERETT S. MITCHELL	Boston	15 Hayward Pl.
BURDETT MOODY	Deadwood, Dak.	17 Upton St.
FREDERICK C. MOODY	Boston	116 Appleton St.
S. WALLACE MOORE	Newton	Newton.
CABOT J. MORSE	Boston	16 Fairfield St.
MARY L. W. MORSE*	Poland, O.	
S. ARTHUR MOSS	New Berlin, N. Y.,	2 Columbus Sq.
WILLIAM MOSSMAN	Mattapan	Mattapan.
WILLIAM L. MURDOCK	Woburn	Woburn.
HENRY A. NASH, Jr.*	North Weymouth,	North Weymouth.
CHARLES R. NASON	Hartford, Ct.	Dorchester.
GEORGE L. NELSON	Geneva, N. Y.	157 Boylston St.
ALLAN H. NEWELL	Stockton, Cal.	82 W. Newton St.
JAMES S. NEWTON*	Holyoke	371 Columbus Ave.
NORMAN G. NIMS	Keene, N. H.	Somerville.
EDWARD A. NORTHEY	Salem	Salem.
HARRY L. NOYES	Boone, Ia.	Parker Hill Ave.
JOSEPH K. NOYES	Binghamton, N. Y.,	2 Columbus Sq.
GEORGE A. ORROK	Dorchester	38 Olney St.
GEORGE C. OSBORNE	Tate, Ga.	Newtonville.
GEORGE A. PACKARD	Wakefield	Wakefield.
WILLIAM R. PEYTON	Duluth, Minn.	154 Warren Ave.
OSCAR W. PICKERING*	Malden	Malden.
WILLIAM B. POLAND		116 West Newton St.
HENRY H. POPE	Mattapan	Mattapan.
FREDERICK W. POTTER*	Gr'nd Rapids, Mich.	20 Beacon St.
EVANS PRESTON	Boston	Hotel Berkeley.
EDWARD B. RAYMOND	Somerville	Somerville.
CARLETON A. READ	Bolton	Bolton.
WILLIAM B. REED	Westfield	304 Columbus Ave.
WILLIAM K. REED	Columbus, O.	98 Appleton St.
MABELLE K. REMICK*	Everett	Everett.
JOHN F. REYNOLDS	Marblehead	Marblehead.
C. WINSOR RICE	Winchester	Winchester.
CHARLES E. RIPLEY	Rutland, Vt.	79 Waltham St.
WILLIAM L. RIPLEY	Newton	Newton.
HAROLD B. ROBERTS	Boston	81 Mt. Vernon St.
EDWARD ROBINSON	Hudson	Hudson.
GRAHAM ROBINSON	East Taunton	East Taunton.
ALLEN H. ROGERS	South Boston	707 East Broadway.
MINNIE ROGERS	Jamaica Plain	53 Bowe St.
WILLARD H. ROOTS	Little Rock, Ark.	75 Chandler St.
FREDERICK P. ROYCE	Boston	256 Newbury St.

TECHNIQUE.

SCHUYLER SCHIEFFELIN . . .	New York, N. Y.,	1 St. James Ave.
HUGO E. SCHROETER . . .	Roxbury . . .	7 Sudbury Place.
FRANCIS P. SEARS* . . .	Boston . . .	85 Mt. Vernon St.
HERBERT T. SEAVEY*. . .	Canton . . .	Canton.
CHARLES W. SHERMAN . . .	Kingston . . .	Kingston.
EDMUND P. SIMPSON . . .	Lowell . . .	Lowell.
HOWARD C. SLATER . . .	Providence, R. I.,	85 Dartmouth St.
GEORGE A. SONNEMAN . . .	Boston . . .	288 Tremont St.
MARTIN O. SOUTHWORTH . . .	Stoughton . . .	Stoughton.
HENRY P. SPAULDING . . .	Newton . . .	Newton.
ANDREW H. SPRING . . .	Somerville . . .	Somerville.
ARTHUR B. STEARNS . . .	Framingham . . .	Framingham.
EDWARD B. STEARNS . . .	Dorchester . . .	58 Magnolia St.
BENTON STURGES . . .	Lake Geneva, Wis.,	150 Chandler St.
THOMAS J. STURTEVANT . . .	Geneva, N. Y.,	South Framingham.
FREDERICK W. SWANTON . . .	Bath, Me. . .	1 Columbus Sq.
GEORGE P. TALLANT . . .	San Francisco, Cal.,	1 St. James Ave.
GEORGE W. TAYLOR* . . .	Morristown, N. J.,	115 Berkeley St.
GORDON H. TAYLOR . . .	East Cambridge .	East Cambridge.
FRANCIS C. P. THOMAS . . .	Oswego, N. Y.,	129 Dartmouth St.
HERBERT A. THOMPSON . . .	Amherst . . .	116 West Newton St.
WILLARD C. TILSON*. . .	Malden . . .	Malden.
JOHN H. TOWNE . . .	Stamford, Ct. . .	64 Mt. Vernon St.
THAXTER N. TRIPP . . .	Lynn . . .	Lynn.
SAMUEL F. TUCKERMAN . . .	Roxbury . . .	10 Lambert St.
GARDNER T. VOORHEES . . .	Cambridgeport .	Cambridgeport.
HENRY M. WAITE . . .	Toledo, O. . .	80 West Newton St.
ELTON D. WALKER . . .	Taunton . . .	Taunton.
ROBERT T. WALKER . . .	Greenfield . . .	14 Winthrop St.
C. MORRIS WATSON . . .	Jamaica Plain . .	26 Greenough Ave.
LYMAN O. WARREN . . .	Brighton . . .	Brighton.
LEONARD C. WASON . . .	Brookline . . .	Brookline.
GEORGE F. WELD . . .	Norfolk, Va. . .	
WILLIAM F. WELLS . . .	New Haven, Ct.,	37 Greenwich Park.
LEON WERTHEIMER . . .	Allegheny, Pa. .	
FRANKLIN W. WHITE . . .	Boston . . .	Hotel Berwick.
WILLIS R. WHITNEY* . . .	Jamestown, N. Y.,	524 Tremont St.
ERNEST P. WHITTEN . . .	Roxbury . . .	59 School St.
NATHAN B. WILBER*. . .	Bridgewater . .	
WILLIAM M. WILCOX . . .	Dorchester . . .	3 Wheatland Ave.
WILLIAM D. WILLES . . .	Bath, Me. . .	60 West Rutland Sq.
ARTHUR R. WILSON*. . .	Oakland, Cal. .	38 Upton St.
EDWARD H. WOOD . . .	Beverly . . .	Beverly.
HARRY WOOD . . .	Natick . . .	Natick.
WILLIAM B. WOOD . . .	Arlington . . .	Arlington.
ANDREW W. WOODMAN . . .	Chelsea . . .	Chelsea.
GEORGE M. WOODWARD . . .	E. Prov.Center, R.I.	102 Revere St.



Here's the Fresh, — a youthful sight, —
A course in "English" taking
He's a voluntary "chapel-ite,"
His road to heaven making (?).

TECHNIQUE.

❖ CLASS OF '90 ❖

Colors, Crimson and White.

OFFICERS.

President.

W. H. JOHNSON.

Vice-President.

E. B. STEARNS.

Secretary and Treasurer.

E. B. POLAND.

Sergeant-at-Arms.

J. S. HYDE.

History.

ONCE again the slow-revolving wheels of time have brought us to a new school-year; and once again the Institute, ever growing in usefulness and popularity, receives its new class of embryo architects, engineers, and chemists who may some day astonish the world by their knowledge, as they have occasionally astonished their instructors by their ignorance.

Upon us is laid the task of writing a history of this class. This will be a somewhat difficult thing to do, as we have not been here long enough to have much of a history; still, there are a few distinguishing points about the class of '90 which may well be handed down to posterity, among which is our record in athletics. Of this every Freshman, great and small, from Hayden to Holmes, may well be proud; for have we not defeated the Soph's in one of the finest games of foot-ball ever seen? That little affair, called by the ignorant "a rush," was really nothing of the kind. When we put our heavy-weights, like Holmes, to the front, and turn out in full force, with our men strengthened by the strict military discipline which we are compelled to undergo, where is the Sophomore class that can stand against us? Echo answers, "Where!"

They would find themselves beaten, even if some of our men do wear knee-breeches.

In tennis, too, we claim the championship, as our man has defeated all opponents. The upper-class men will have to hunt a little longer to find a man to beat Beals. These little stories show what we can do, and a brilliant future may be expected for the class of '90 in the Athletic department.

TECHNIQUE.

Awhile ago we made a little excursion to Cambridge, to assist our Harvard brethren in their celebration. If noise and a general good time may be called assistance, our success was complete and entire. Such little eccentricities as tipping over ash-barrels, appropriating a few healthy-looking signs, and removing decorations from the bridge, are nothing but the indications of a playful disposition and an exuberance of animal spirits in some of the class. Of course '89 viewed these proceedings with scorn, and from their superior (?) position looked down with derision on the innocent amusements of the Freshmen. It is a curious fact that as soon as a man becomes a Sophomore he seems to forget all about his having been a Freshman at one time, and, with inhuman glee, delights to torture the latter unfortunates.

But while we have paid some attention to other things besides our studies, it must not be supposed that these latter have been neglected. Daily have we wrestled with T-square and compass, and translated pages of French with all the confidence, if not all the accuracy, of a native. Almost any day the visitor to the laboratory will be regaled with pleasant (?) odors, beautiful explosions, and other nice things as the industrious Freshman makes impossible compounds. At other times we turn our minds to days long past, and, like "Brudder Smif," we wonder whether the Celts came "previously before or previously after" the Danes, and trace those ancient and highly mysterious Aryans in their windings in and out among the countries of Europe.

And so, when we consider that we have the best foot-ball team, the best tennis-player, the largest man, the smallest man, and, no doubt, the smartest man in the Tech,—with all these and the certainty of being Soph's some day, we have reason to congratulate ourselves for the past, and look forward with bright hopes to the future.





SCHOOL OF MECHANIC ARTS.



: Second Year Students :

CHARLES E. BOCKUS, Jr. . . .	Dorchester . . .	Ashland St.
ALBERT H. GLEASON	Rock Bottom . . .	84 W. Rutland Sq.
EDWARD P. HUTCHINSON . . .	Danvers Centre . .	Danvers Centre.
FRANK W. LYNDE	Melrose	Melrose.
HORACE F. RUGGLES	Brookline	3 Harvey St.
HORACE B. SPERRY		741 Tremont St.

: First Year Students :

GEORGE V. BAKER	Roslindale	Roslindale.
ARTHUR S. DAVIS	Somerville	Somerville.
JAMES L. DEAN	Shrewsbury	Shrewsbury.
WILLIAM EDWARDS	Quincy	Quincy.
GEORGE J. ELDER	East Boston	12 Falcon Street.
STETSON G. HINDES	Burlington, Vt. . .	Lexington.
CHARLES O. LENZ	Providence, R. I. .	

TECHNIQUE.

HORACE G. LOBENSTINE . . .	Chicago, Ill. . .	544 Columbus Ave.
ALEC F. MACDONALD . . .	Chelsea . . .	Chelsea.
H. DWIGHT MILLER . . .	Sacramento, Cal.,	323 Columbus Ave.
CHARLES H. PUTNAM . . .	Fitchburg . . .	204 W. Springfield St.
ARTHUR C. SAVAGE . . .	Hyde Park . . .	Hyde Park.
DARIUS B. SMITH . . .	Pine Meadow, Ct.	
PHILIP W. STANFORD . . .	Poughkeepsie, N.Y.	141 Warren Ave.
JESSE F. STEVENS . . .	Boston . . .	581 Tremont St.

: Special Students :

ALBERT M. BULLARD . . .	Boston . . .	Hotel Edinburg.
WALTER S. DODD . . .	Roxbury . . .	43 Moreland St.
WILLIAM H. GROVER . . .	Charleston, S. C.	
HERBERT A. HUNTING . . .	Charlestown . .	Charlestown.
FRANK M. LEAVITT . . .	Roxbury . . .	24 Akron St.
WILLIAM A. MORSE . . .	Foxboro . . .	
ROBERT F. PICKELS . . .		41 Bodwell St.
CHARLES J. RIDGWAY . . .	Everett . . .	
GILBERT H. SMITH . . .	Dorchester . . .	2 Granville Pl.
ROBERT B. SMITH . . .	Lawrence . . .	Lawrence.
FRED N. STEVENS . . .	No. Hoosac, N. Y.	
WILL W. TAPP . . .	Louisville, Ky. .	420 Columbus Ave.
JOHN H. THOMAS . . .	Louisville, Ky. .	
CHARLES G. TREFETHEN . .		
AMBROSE WALKER . . .	Boston . . .	237 Beacon St.

LOWELL SCHOOL OF PRACTICAL DESIGN.

: Students :

THOMAS B. AKIN	New Bedford . .	New Bedford.
GRACE T. BAKER	Weymouth . . .	Weymouth.
ANNIE H. BARSTOW	New Bedford . .	New Bedford.
GRACE C. BLOOD	Lowell	Lowell.
JOHN C. G. BONNEY	New Bedford . .	New Bedford.
ADELAIDE L. C. BROWN	Boston	172 W. Newton St.
ALBERT BRYANT	Melrose	Melrose.
ANNIE P. CAMPBELL	Boston	180 Harrison Ave.
LIZZIE M. CENTER	Gloucester . . .	Gloucester.
WILLIAM A. CODDING	New Bedford . .	New Bedford.
ELLA C. COFFEY	Roxbury	4 Gardner Ave.
LUONA COHN	Hough's Neck . .	
FRANK CROWTHER	Canton	Canton.
MARION B. CURTIS	Boston	133 St. Botolph St.
JULIA S. DOANE	Newtonville . .	Newtonville.
FRED A. EMERY	Boston	201 Ruggles St.
LOUIS E. FELTON	Natick	Natick.
WINIFRED C. FOSTER	Fitchburg	
WILLARD K. FOWLE	Woburn	Woburn.
ISABELLE C. FRENCH	Dedham	Dedham.
HARRIET E. GARDNER	Brockton	Brockton.
GEORGE I. GOODWIN	Boston	12 Gray St.
FRED W. GREEN	Boston	365 Silver St.
WALTER C. HADLEY	New Bedford . .	New Bedford.
ALBERT G. HALL	Boston	7 Walden Park.
LEONA M. HAUSHALTER	Glenwood	Glenwood.
NELLIE L. HAWES	Dorchester . . .	Harrison Sq.
WILLIAM C. HAWES	New Bedford . .	New Bedford.

TECHNIQUE.

RUSSEL B. HENCHMAN, Jr. . . .	Hyde Park . . .	Hyde Park.
MARGARET I. HOOGS	Hyde Park . . .	Hyde Park.
LOTTIE E. HOWELL	Melville, N. J. . .	40 Berkeley St.
WILLIAM C. HUNT	New Bedford . . .	New Bedford.
PHILIP B. JENNINGS	Warren	Warren.
THOMAS E. KNOWLAND	Middleboro . . .	Middleboro.
BELLE LAMPREY	Charlestown . . .	137 High St.
FRED H. LAWRIE	Medford	Glenwood Station.
FRANK C. MATHEWSON	Providence, R. I. .	18 Claremont Park.
GRACE H. NEALLEY	Dover, N. H. . .	
ELIZA PHILBRICK	Newton Centre . .	Newton Centre.
JAMES L. G. RAND	Dover, N. H. . .	14 Gates St.
EATON V. REED	South Weymouth, .	South Weymouth.
CAROLINE RICHARDS	Boston	33 Hollis St.
ANNA S. ROBBINS	Dorchester . . .	11 St. James Ave.
LILIAN V. ROBINSON	Boston	286 Beacon St.
WILLIAM C. SHEEHY	New Bedford . . .	New Bedford.
EBBA S. C. SjöSTRÖM	Lawrence	Lawrence.
ANNETTE SMITH	East Boston . . .	177 Lexington St.
WILLIAM C. SMITH	Taunton	Taunton.
SUSIE M. STANTIAL	Melrose	Melrose.
JOSEPH C. STEDMAN	Jamaica Plain . .	Jamaica Plain.
CLARABEL STETSON	Roxbury	9 Copeland Pl.
THOMAS E. STRAHAN	Chelsea	121 Belli'gham St.
MARY R. SWEET	Hyde Park	Hyde Park.
JAMES H. THOMPSON	Elmira, N. Y. . .	516 Shawmut Ave.
HERBERT W. TIRRELL	East Weymouth . .	East Weymouth.
FRANCES E. TURNER	Boston	7 Hereford St.
CARLETON J. UNDERWOOD	Fitchburg	
EMMA C. VOGEL	South Boston . . .	53 B St.
GRACE WHITMAN	Newton	Newton.

: Summary :

SCHOOL OF INDUSTRIAL SCIENCE.

	SER.	JUN.	SOPHS.	TOTAL
Civil Engineering	10	24	26	60
Mechanical Engineering	27	45	39	111
Mining Engineering	10	12	6	28
Architecture	3	24	33	60
Chemistry	10	21	17	48
Electrical Engineering	15	23	25	63
Biology and Natural History	1	3	2	6
Physics	1	1	2	4
General Course	4	1	9	14
TOTALS	81	154	159	394
Freshmen				243

637

SCHOOL OF MECHANIC ARTS.

Second Year	6
First Year	15
Specials	15

36

LOWELL SCHOOL OF PRACTICAL DESIGN,

59

TOTAL 732

IN MEMORIAM.

PROFESSOR WILLIAM RIPLEY NICHOLS,

CLASS OF '69,

DIED JULY 14, 1886.

WILLIAM COOK,

DIED AUGUST 27, 1886.

IN MEMORIAM.

JAMES HENRY MIRRLEES,

CLASS OF '87,

DIED APRIL 27, 1886.

ABRAM HUNT BADGER,

CLASS OF '89,

DIED JULY 18, 1886.

: Graduation Exercises :

CLASS OF '86,

TUESDAY, JUNE 1, 1886.

INTRODUCTION THE PRESIDENT.

READING OF ABSTRACTS AND TITLES OF THESES,

AND

. Presentation . of . Diplomas .

FREDERICK FOX, JR., S. B. Portland, Me.
Occluded Gases in Iron.

GEORGE PENNELL ABORN Wakefield, Mass.
Experiments on the Flow of Steam through Orifices.

ARTHUR COX ANTHONY Boston, Mass.
The Treatment of Certain Silver-bearing Ores by the Process of Pan
Amalgamation.

DANA PRESCOTT BARTLETT Boston, Mass.
The Electrical Transmission of Power. (*With H. E. H. Clifford.*)

BIRNEY CLARK BATCHELLER Wallingford, Vt.
A Design for a Fork-Hanger.

WILLIAM LORD BRAINERD So. Englewood, Ill.
Design for a Union Station for a System of Elevated Railways.

TECHNIQUE.

- JOHN KINGSBURY BURGESS Dedham, Mass.
An Investigation on the Tensile and Transverse Strengths of Cast-Iron.
(With M. A. Vile.)
- CHARLES LINCOLN BURLINGHAM Chicago, Ill.
Geology of the Rowe (Mass.), Pyrite Deposit.
- WILLIAM HOBBS CHADBURN, Jr. Wilmington, N. C.
Siemens-Martin Process of Steel Manufacture as Practiced at the Norway
Iron Works, South Boston.
- HARRY ELLSWORTH HOUGHTON CLIFFORD . . . South Boston, Mass.
The Electrical Transmission of Power. (With D. P. Bartlett.)
- WILLIAM LESTER CHURCH Malden, Mass.
An Experimental Study of a Weston Dynamo. (With C. M. Wilder.)
- LOUIS RENO COBB Chicago, Ill.
Sanitary House Drainage.
- FRANCIS HENRY CRANE Stoughton, Mass.
Compound Winding of Dynamos. (With H. P. Merriam.)
- LOUIS FAYERWEATHER CUTTER Winchester, Mass.
Portable Barometers.
- CHARLES CUTLER DOE Boston, Mass.
The Regeneration of the Uterine Mucous Membrane of the Cat after
Parturition.
- ORRIN SAGE DOOLITTLE Wallingford, Conn.
The Composition of Boston Illuminating Gas.
- JAMES CHARLES DUFF Charlestown, Mass.
The Action of Phosphoric Acid on the Alcohols of the Fat Series.
- GEORGE WHITLOCK FARMER Rutland, Vt.
A Description of the Ames Petroleum Engine, with Results of Some
Experiments.
- EDWARD SANBORN FOSS Malden, Mass.
The Action of Dilute Nitric Acid on the Substituted Aromatic Amides.
- FRED EUGENE FOSS (*A. B., Bates College*) Lewiston, Me.
Design for a Highway Bridge across the Androscoggin River at Lewiston,
Me. (With W. F. Jordan.)

TECHNIQUE.

- THEODORE RENO FOSTER Boston, Mass.
An Investigation of the Strength and Elasticity of Shafting under combined
Twisting and Bending.
- ALEXANDER STANLEY GARFIELD Lexington, Mass.
Investigation of Several Formulæ and Tables Giving the Relation between
the Temperature and Pressure of Saturated Steam.
(With E. L. Pierce, Jr.)
- DAVID LEWIS HATHAWAY Rochester, Mass.
The Joy Valve Gear.
- EDWARD EVERETT HIGGINS Chelsea, Mass.
Tests of a Commercial Storage Battery.
- WILLIAM JOHN HOPKINS New Bedford, Mass.
Measurement of the Strength of Telephone Currents, with Some Special
Experiments in Blake Contacts.
- WALTER RENTON INGALLS Lynn, Mass.
The Treatment of a Low Grade, Blendous Silver Ore.
- WILLIAM FREDERICK JORDAN Auburn, Me.
Design for a Highway Bridge across the Androscoggin River at Lewiston,
Me. (With F. E. Foss.)
- CARRIE BELLE KENNEY East Boston, Mass.
The Determination of Small Quantities of Illuminating Gas in Air.
- JOHN A. MCCALLUM LAWRENCE St. John, N. B.
Design for a Hot Forge Nut Press, with Experiments on Shearing Strength
of Hot Iron.
- ALBERT ERNEST LEACH Newtonville, Mass.
Results of Tests made on the Harris-Corliss and Porter-Allen Engines at
the Mass. Inst. of Technology.
- FRANK LOVERING LOCKE Boston, Mass.
A Plan for Improvement of the Railroad Terminal Facilities of Boston,
Mass.
- WILSON HENRY LOW Brookline, Mass.
Manufacture of Aluminum, and Study of its Sulphur Compounds.
- ELGOOD CHAUNCY LUFKIN Titusville, Pa.
The Efficiency and Economy of Different Coals used for Steam Generating
Purposes. (With E. F. Miller.)

TECHNIQUE.

- JAMES PORTER LYNDE Athol, Mass.
Lixiviation and Amalgamation of Silver Ore.
- ALEXANDER RICE MCKIM Jamaica Plain, Mass.
A Discussion of the Relative Merits of Metallic and Wooden Sleepers for
Railroads.
- HARRY BAKER MERRIAM Fort Scott, Kan.
Railroad Signals.
- HENRY PARKER MERRIAM Lawrence, Mass.
Compound Winding of Dynamos. (*With F. H. Crane.*)
- EDWARD FURBER MILLER. Cambridge, Mass.
The Efficiency and Economy of Different Coals used for Steam Generating
Purposes. (*With E. C. Lufkin.*)
- EDGAR HUIDEKOPER MUMFORD Dorchester, Mass.
An Experimental Study of the Surface Condenser.
- ARTHUR AMOS NOYES Newburyport, Mass.
Action of Heat on Ethylene.
- EDWARD LILLIE PIERCE, JR. Milton, Mass.
An Investigation of Several Formulæ and Tables Giving the Relation be-
tween the Temperature and Volume of Saturated Steam.
(*With A. S. Garfield.*)
- GEORGE FRANK REYNOLDS Evanston, Ill.
Experiments on the Balancing of the Reciprocating Parts of the Locomotive.
- CHARLES FRANKLIN RICHARDSON Brooklyn, N. Y.
The Effect of Different Temperatures upon the Tensile Strength of Steel
Boiler-Plate.
- ARTHUR GRAHAM ROBBINS Carlisle, Mass.
A Discussion of the Methods Employed for the Control of Rivers and the
Prevention of Floods.
- LUCIUS KIMBALL RUSSELL Arlington, Mass.
Action of Cochituate Water on Galvanized, Brass, and Kalameined Pipes.
- JOHN FRANKLIN SEAVEY Boston, Mass.
An Investigation of the Valve Gear of a few Stationary Engines.
- WILLIAM EDWIN SHEPARD Hartford, Conn.
On the Inverse Electro-Motive Force of the Voltaic Arc.

TECHNIQUE.

- JAMES ELISHA SIMPSON Lawrence, Mass.
Smelting of an Argentiferous Galena and Treatment of Matte by the Augustin Process.
- THEODORE STEBBINS Omaha, Neb.
Researches in Relation to Cable Telephony.
- AUGUSTUS BURBANK STOUGHTON Philadelphia, Pa.
The Comparative Evenness of Cotton Slivers and Slubber Roving, Manufactured According to the American or English Process.
(With C. D. Turnbull.)
- WILLIAM MODE TAYLOR Indianapolis, Ind.
An Experimental Determination of the Pressures on Lathe and Planer Tools. (With D. Van Alstine.)
- CHARLES DALE TURNBULL Boston, Mass.
The Comparative Evenness of Cotton Slivers and Slubber Roving, Manufactured According to the American or English Process.
(With A. B. Stoughton.)
- DAVID VAN ALSTINE Louisville, Ky.
An Experimental Determination of the Pressures on Lathe and Planer Tools. (With W. M. Taylor.)
- MAURICE AUGUSTUS VIELE (*B. S., Hobart College*) . . . Geneva, N. Y.
An Investigation on the Tensile and Transverse Strengths of Cast-Iron.
(With J. K. Burgess.)
- CHARLES MORRIS WILDER Cincinnati, Ohio.
An Experimental Study of a Weston Dynamo. (With W. L. Church.)
- ELWOOD JUSTIN WILSON Jamaica Plain, Mass.
Plattner's Chlorination Process.
- CHARLES WOOD Edinburgh, Scot.
A Design for the Superstructure for the Proposed Cantilever Bridge over the St. Lawrence River at Lachine, P. Q.
- CHARLES HERBERT WOODBURY Lynn, Mass.
Design of Builder Motion and Driving Mechanism of the Roving Frame.
- VERNOR FRANK WORCESTER Chelsea, Mass.
The Transmission of Power by Rope Gearing.
- FRED ROPES YOUNG Brookline, Mass.
Concentration of Calumet Sand.

: Certificates Awarded :

TO

HARRY P. BENSON	Salem, Mass.
WILLIAM F. DAWSON	Jamaica Plain, Mass.
BENJAMIN M. HOWE	Natick, Mass.
JOHN W. KILLINGER, Jr.	Lebanon, Pa.
HIRAM P. MAXIM	Hyde Park, Mass.
NATHAN R. PRATT	Sudbury, Mass.
WALTER P. RICHARDSON	Salem, Mass.
FREDERIC A. SCHNEIDT	Boston, Mass.
THAXTER N. TRIPP	Lynn, Mass.
WILLIAM P. TURNER	Isle au Haut, Me.
NORMAN S. WOOLDRIDGE	Pittsburg, Pa.

Of the School of Mechanic Arts.

EDWIN B. GOERING	Boston, Mass.
MABEL M. HOYT	Chelsea, Mass.
WILLIAM F. POPE	Leominster, Mass.
EVERETT W. RICKER	Jamaica Plain, Mass.
WESTERN UNDERWOOD	Boston, Mass.
JOHN H. WILSON	Jamaica Plain, Mass.
LILIAN W. WHIPPLE	Salem, Mass.

Of the Lowell School of Practical Design.



THE
CLASS OF '86
MASS. INSTITUTE
OF
TECHNOLOGY

*Request your Presence
with Friends at*

*The
Class Day Exercises*

*Monday May 31st
at 10:30 o'clock*

End Eng to Paris

: Class Day :

THE first Class Day exercises ever held by the students of the Institute of Technology, took place on Monday, May 31, 1886, under the energetic auspices of the class of '86.

To be sure, the class of '85 held simple exercises in the evening the previous year; but the plan of devoting a day to the class celebration was introduced by '86, and proved so satisfactory that the custom will probably be continued by other classes.

In the morning, in Huntington Hall, the exercises consisted of a bright and brief variety of class history, poem, and prophecy, interspersed with instrumental and vocal music.

The stage was tastefully decorated with hydrangea and scarlet geranium, with a background of palms, and was occupied by the class officers, the Glee Club, and the Institute Orchestra. The rest of the graduating class, numbering fifty-nine members, had seats in front of the platform.

Mr. James E. Simpson presented the history of the quiet, useful course of the class in a very neat and spicy style.

The poet, Mr. Louis F. Cutter, reviewed, in a lighter measure, the events of the class history, tracing, in humorous allusions well appreciated by the class, its course, until a note from "Jimmy Socrates" entitled each member to a degree.

A confident and highly laudatory view of the future of the class was given by Albert E. Leach, in his Prophecy. Submarine telegraphs, intercolonial railways, and great scientific inventions were vividly portrayed as work of the brilliant class of '86; and the one young lady member was to teach chemistry to a new institute for young women near the old building. Singing by the Glee Club and music by the orchestra were very much enjoyed, and the class closed its exercises with a rousing "M. I. T., 'rah, 'rah, 'rah, '86!"

The afternoon was reserved for the Seniors' reception in the hall of the new building, while the M. I. T. Orchestra furnished delightful

TECHNIQUE.

music, dancing and promenading making a pleasant afternoon's programme.

The decorations gave a cheerful look to the hall, and the brilliant costumes of the ladies added to the effect. Refreshments were served in the architectural room. The reception was characterized by much informality, and seemed to give the best encouragement for repetition by other classes.

CLASS OFFICERS.

President.

FRANK L. LOCKE.

Vice-President.

HARRY E. H. CLIFFORD.

Secretary.

HENRY P. MERRIAM.

Treasurer.

THEODORE R. FOSTER.

Committee of Arrangements.

W. H. LOW.

J. S. NEAVE.

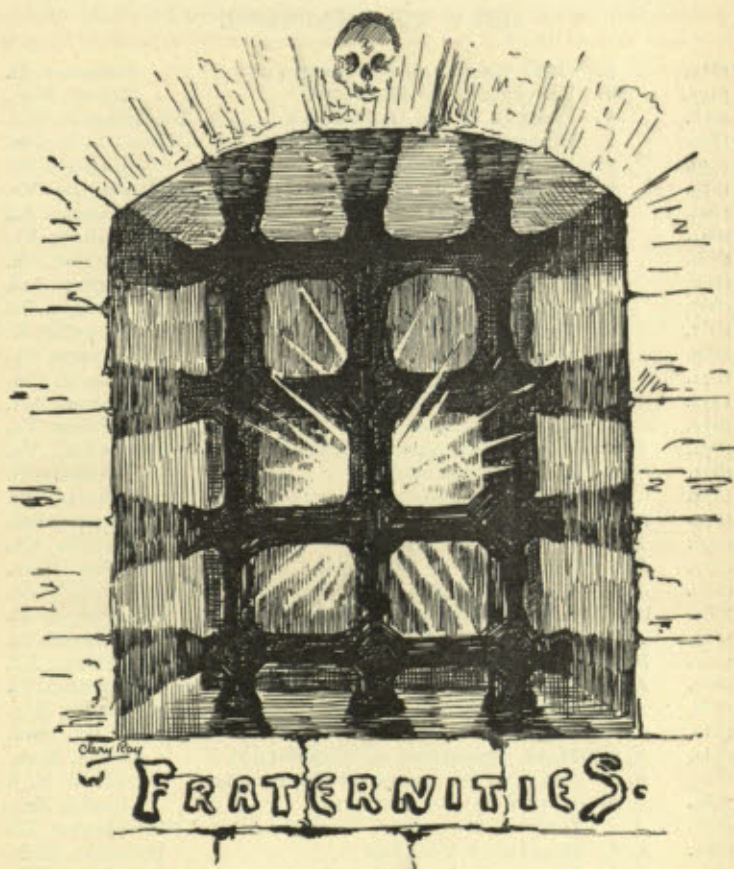
F. L. LOCKE.

J. E. SIMPSON.

F. E. FOSS.

THEODORE STEBBINS.

H. E. H. CLIFFORD.

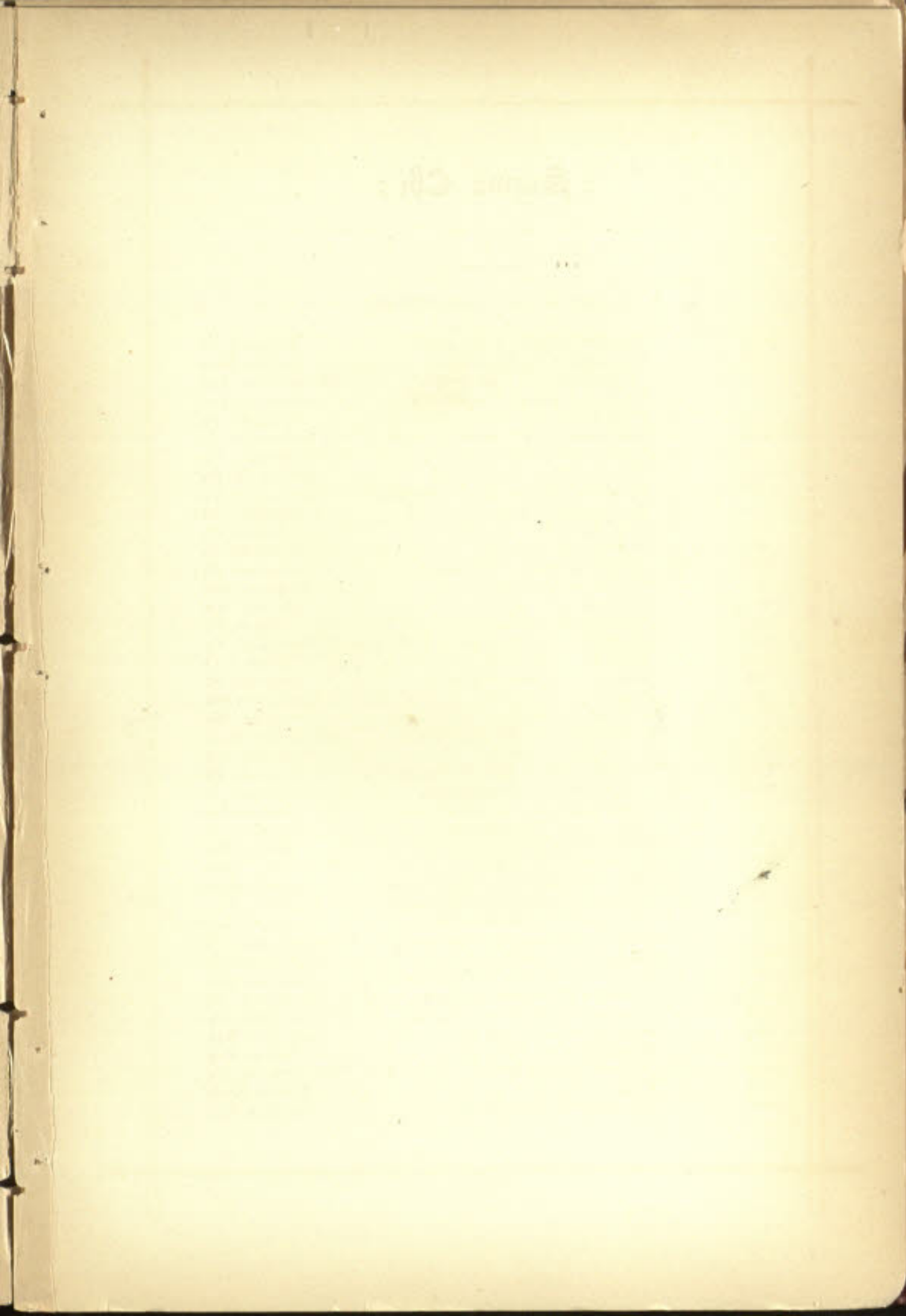


: Sigma Chi :

FOUNDED 1855-

ROLL OF CHAPTERS.

*1855.	A.	OHIO WESLEYAN UNIVERSITY	Delaware, O.
1857.	H.	UNIVERSITY OF MISSISSIPPI	Oxford, Miss.
1858.	A.	INDIANA STATE UNIVERSITY	Bloomington, Ind.
1859.	E.	INDIANA ASBURY UNIVERSITY	Greencastle, Ind.
1859.	O.	DICKINSON COLLEGE	Carlisle, Pa.
1859.	Y.	UNIVERSITY OF VIRGINIA	University, Va.
1863.	Θ.	PENNSYLVANIA COLLEGE	Gettysburg, Pa.
1864.	K.	UNIVERSITY AT LEWISBURG	Lewisburg, Pa.
1866.	Z.	WASHINGTON AND LEE UNIVERSITY	Lexington, Va.
1866.	P.	BUTLER UNIVERSITY	Urvington, Ind.
1867.	Φ.	LAFAYETTE COLLEGE	Easton, Pa.
1867.	M.	DENISON UNIVERSITY	Granville, O.
1869.	Ω.	NORTHWESTERN UNIVERSITY	Evanston, Ill.
1871.	X.	HANOVER COLLEGE	Hanover, Ind.
*1872.	Π.	HOWARD COLLEGE	Marion, Ala.
1872.	T.	ROANOKE COLLEGE	Salem, Va.
1872.	Σ. Σ.	HAMPDEN-SYDNEY COLLEGE, Hampden-Sydney Col., Va.	
1873.	B.	WOOSTER UNIVERSITY	Wooster, O.
1874.	Γ. Γ.	RANDOLPH-MACON COLLEGE	Ashland, Va.
1874.	Δ. Δ.	PURDUE UNIVERSITY	Lafayette, Ind.
1876.	Z. Z.	CENTER COLLEGE	Danville, Ky.
1877.	Θ. Θ.	UNIVERSITY OF MICHIGAN	Ann Arbor, Mich.
1880.	Δ. X.	WABASH COLLEGE	Crawfordsville, Ind.
*1881.	K. K.	ILLINOIS INDUSTRIAL UNIVERSITY	Champaign, Ill.
1882.	Z. Φ.	UNIVERSITY OF CINCINNATI	Cincinnati, O.
1882.	X. Φ.	UNIVERSITY OF LOUISIANA	New Orleans, La.
1882.	A. Γ.	OHIO STATE UNIVERSITY	Columbus, O.
1882.	A. Z.	BELOIT COLLEGE	Beloit, Wis.
1882.	A. H.	UNIVERSITY OF IOWA	Iowa City, Iowa.
1882.	A. Θ.	MASS. INSTITUTE OF TECHNOLOGY	Boston, Mass.
1883.	A. Δ.	STEVENS INSTITUTE OF TECHNOLOGY	Hoboken, N. J.
1883.	A. E.	UNIVERSITY OF NEBRASKA	Lincoln, Neb.
1883.	A. I.	ILLINOIS WESLEYAN UNIVERSITY	Bloomington, Ill.
*1883.	A. K.	HILLSDALE COLLEGE	Hillsdale, Mich.
1884.	A. A.	WISCONSIN STATE UNIVERSITY	Madison, Wis.
*1884.	A. M.	VIRGINIA MILITARY ACADEMY	Lexington, Va.
1884.	Φ. Φ.	UNIVERSITY OF PENNSYLVANIA	Philadelphia, Pa.
1884.	A. E.	UNIVERSITY OF KANSAS	Lawrence, Kas.
1884.	A. Nu.	UNIVERSITY OF TEXAS	Austin, Tex.
1886.	A. O.	TULANE UNIVERSITY	New Orleans, La.
1886.	A. II.	ALBION COLLEGE	Albion, Mich.
1886.	A. B.	UNIVERSITY CALIFORNIA	Berkeley, Cal.





DEBRA. PUGA.

: Sigma Chi Fraternity :

ALPHA THETA CHAPTER.

ESTABLISHED MARCH 22, 1882.

MEMBERS.

FREDERICK P. GULLIVER.

FREDERICK H. MUHLENBURG.

MAURICE DU PONT.

JULIAN V. WRIGHT.

JOHN RAY.

CLARY E. RAY.

ARTHUR F. BARDWELL.

VICTOR RAY.

ALEXANDER H. JARECKI.

JAMES S. NEWTON.

WALTER C. BRACE.

CLARENCE B. VORCE.

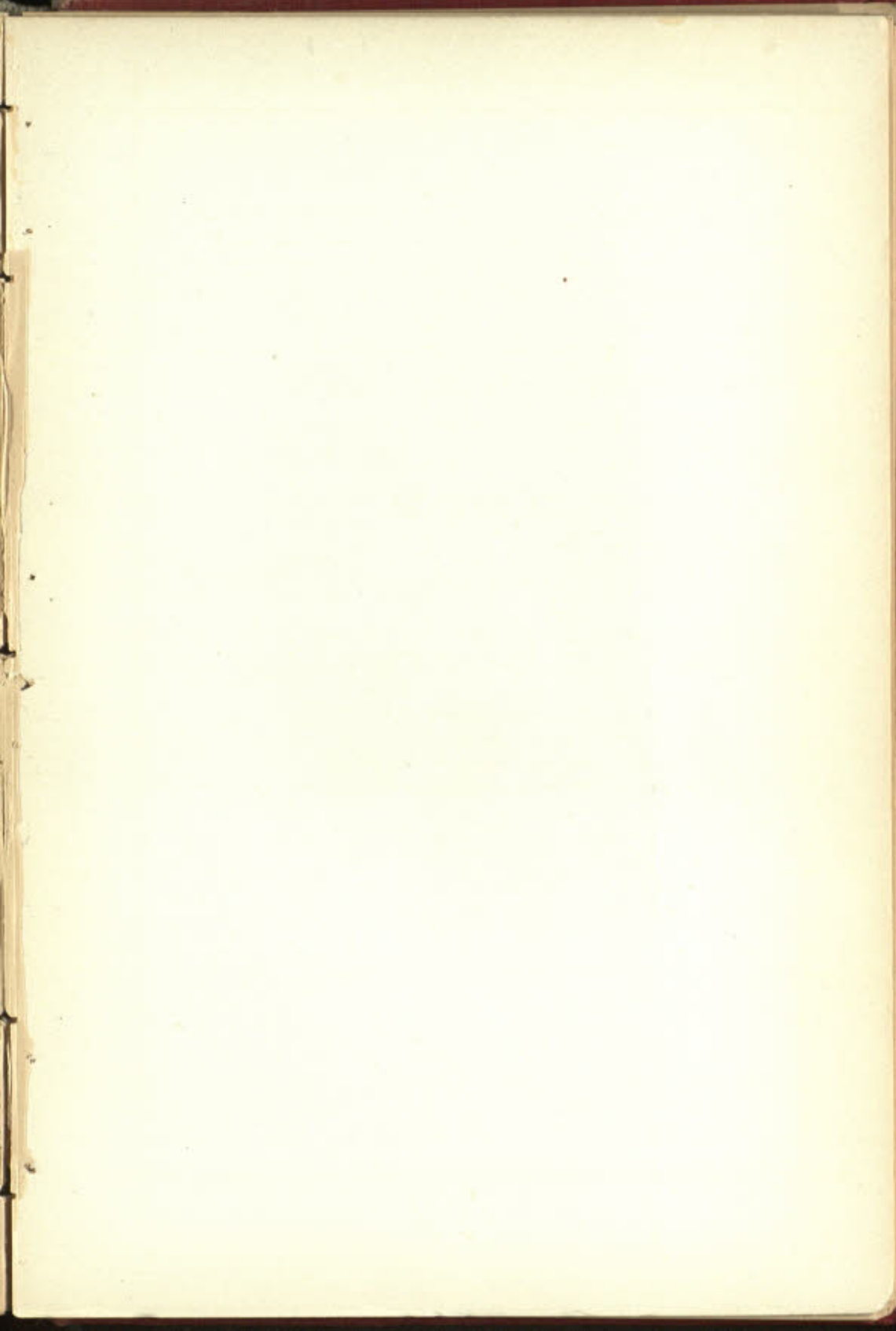
FRANK M. LADD.

NATHANIEL I. BOWDITCH.

: Theta Xi :

ROLL OF CHAPTERS.

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





J.A. Lloyd & Co. Boston.

1861.

: Theta Xi Fraternity :

DELTA CHAPTER.

MEMBERS.

STURGIS GOODWIN BATES.
EDWARD LYMAN BROWN.
FREDERICK EARL CALKINS.
MORTON EDDY COBB.
HENRY JOHN CONANT.
GEORGE OTIS DRAPER.
RALPH MORSE FAY.

LYMAN FARWELL.
STEJIRAU FUKUZAWA.
HAROLD GORDON GROSS.
ANTHIME WATSON LA ROSE.
RICHARD LEE RUSSEL.
TIMOTHY WILSON SPRAGUE.
FREDERICK THOMPSON.

: Alpha Tau Omega :

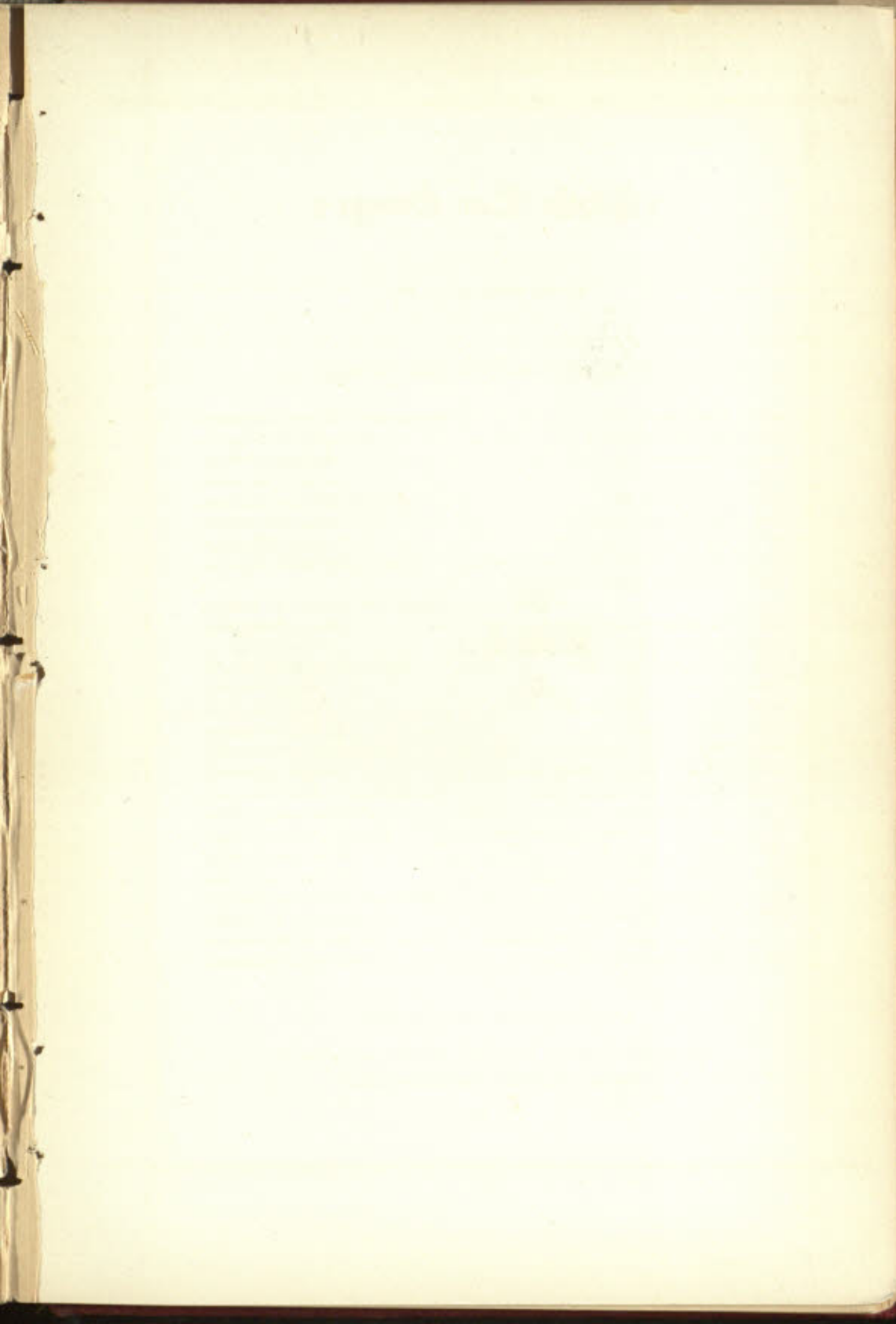
FOUNDED SEPTEMBER 11, 1865.

ROLL OF ACTIVE CHAPTERS.

1865.	VIRGINIA BETA	Washington and Lee University.
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	Mercer University.
1881.	NORTH CAROLINA ALPHA ETA	_____
1881.	PENNSYLVANIA TAU	University of Pennsylvania.
1881.	GEORGIA ALPHA THETA	Emory College.
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.
1883.	SOUTH CAROLINA ALPHA PHI	South Carolina College.
1884.	OHIO ALPHA PSI	Wittenberg College.
1884.	FLORIDA ALPHA OMEGA	University of Florida.
1885.	IOWA BETA ALPHA	Simpson Centennary College.
1885.	ALABAMA BETA BETA	Southern University.
1885.	MASSACHUSETTS BETA GAMMA . .	Mass. Institute of Technology.
1885.	ALABAMA BETA DELTA	University of Alabama.

STATE ALUMNI ASSOCIATIONS.

ALABAMA, GEORGIA, VIRGINIA, FLORIDA, KENTUCKY,
SOUTH CAROLINA, NORTH CAROLINA.





: Alpha Tau Omega :

MASSACHUSETTS BETA GAMMA CHAPTER.

ESTABLISHED 1885.

CLASS OF 1887.

WILLIAM LINCOLN HARRIS.

QUINTARD PETERS.

WALTER HOWARD GLEASON.

JULIAN ABBOT CAMERON.

DWIGHT BRAINERD.

HENRY BOIES BRAINERD.

CLASS OF 1888.

WILLIAM LANGDON DEARBORN.

HAROLD OSGOOD BINNEY.

HENRY FORBES BIGELOW.

ALGERNON SYDNEY WARREN.

RUSSELL ROBB.

RICHARD DEVENS.

CLASS OF 1889.

CHARLES CHENEY.

CLASS OF 1890.

BENTON STURGES.

: Other Fraternities Represented :

ALPHA DELTA PHI.

J. C. SMITH Brunonian Chapter.

BETA THETA PI.

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

CHI PHI.

FRANK L. PACKARD Iota Chapter.

CHI PSI.

H. W. CLARK Psi Alpha Chapter.

H. J. HORN, Jr. Alpha Nu Chapter.

DELTA KAPPA EPSILON.

J. W. CASE University of Michigan.

F. M. McDONNELL Chi Chapter.

F. S. TAYLOR Harvard University.

DELTA UPSILON.

ELLISON C. MEANS Marietta Chapter.

DELTA TAU DELTA.

L. G. SCHULTZ Chapter Nu.

KAPPA ALPHA.

SOUTHERN ORDER.

B. S. REDD Eta Chapter.

PHI KAPPA PSI.

C. H. GARDNER . . . Alpha Chapter, of District of Columbia.

ARTHUR R. NICKELS Carlton College Chapter.

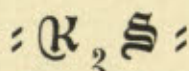
PSI UPSILON.

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

J. NORMAN BULKLEY Lambda Chapter.







1886-87.

OFFICERS.

President.

CHAS. B. KENDALL, '87.

Vice-President.

GEORGE C. DEMPSEY, '88.

Secretary.

J. B. LOEWENTHAL, '87.

Treasurer.

EDWIN O. JORDAN, '88.

Executive Committee.

JAMES T. GREELEY, '88.

H. W. CLARK, '87.

B. C. LANE, '87.

MEMBERS.

J. W. CARTWRIGHT.

H. W. CLARK.

A. J. CONNOR.

G. C. DEMPSEY.

W. A. GLEASON.

J. T. GREELEY.

E. O. JORDAN.

C. B. KENDALL.

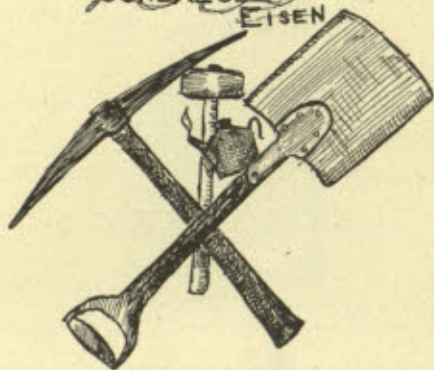
B. C. LANE.

J. B. LOEWENTHAL.

C. G. MERRELL.

C. W. SMITH.

SCHLÄGEN UND
EISEN



: 2 G Society :

OFFICERS.

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GRANGER WHITNEY.

Vice-President.

HENRY SOUTHER, Jr.

Secretary.

SYDNEY WARREN.

Treasurer.

FRANK D. CARNEY.

ELLISON C. MEANS, G. K. T.

MEMBERS.

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WALTER C. BRACE.

FRANK D. CARNEY.

PHILIP A. MOSSMAN.

ARTHUR R. NICKELS.

TIMOTHY W. SPRAGUE.

GRANGER WHITNEY.

SYDNEY WARREN.

ELLISON C. MEANS.

IN BOSTON.

G. H. GUSTIN, '8-.

CAPT. D. A. LYLE, '84.

EVERETT MORSS, '85.

ARTHUR C. ANTHONY, '86.

N. G. ROBERTSON, '8-.



: Hammer and Tongs :

OFFICERS.

President.

W. C. FISH, '87.

Vice-President.

J. A. CAMERON, '87.

Secretary.

H. C. SPAULDING, '87.

Treasurer.

H. D. SEARS '87.

ACTIVE MEMBERS.

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WALTER CLARK FISH, '87.

HAROLD OSGOOD BINNEY, '88.

JULIAN ABBOT CAMERON, '87.

HENRY DARRAH SEARS, '87.

GEORGE WASHINGTON PATTERSON, Jr., '87.

HOLLON CURTIS SPAULDING, '87.

CHARLES NEWTON BORDEN, '89.

GEORGE OTIS DRAPER, '87.

NATHAN DURFEE, '89.

JOHN LAWRENCE MAURAN, '89.

GEORGE FRANKLIN CURTISS, '87.

NATHANIEL INGERSOLL BOWDITCH '88.

HARRY WHITMORE KIMBALL, '87.

JOSEPH NORMAN BULKLEY, '89.





OFFICERS.

President.

H. F. BIGELOW.

Vice-President.

O. F. WADSWORTH.

Sentinel.

J. LAWRENCE MAURAN.

Secretary.

SYDNEY WARREN.

Treasurer.

HAROLD BINNEY.

MEMBERS.

H. F. BIGELOW.

HAROLD BINNEY.

WILLIAM L. DEARBORN.

SYDNEY WARREN.

A. T. BRADLEE.

RICHARD DEVENS.

O. F. WADSWORTH.

J. L. MAURAN.

C. H. BATES.



: Society of '87 :

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JOS. BERTHOLD LOEWENTHAL.	GRANGER WHITNEY.
GILBERT WYLIE MORRISON.	JOSEPH TILTON WHITNEY.
OSCAR EUGENE NUTTER.	HERBERT AUGUSTUS WILCOX.

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.



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POEM OF SOCIETY OF '88.

ONCE more, my boys, we're gathered here,
In friendship fond and loving;
Long may the memory of it cheer
Our hearts, where'er we're moving.

No, never shall our souls forget
The friends we found so cordial-hearted;
Dear shall be the days we met,
And dear the night we parted.

Oh! if regrets, however sweet,
Must with the lapse of time decay,
Yet still, when thus in mirth we meet,
Fill high to those who're far away.

And when we're scattered far apart
In the future, what'er our fate,
Let each one treasure in his heart
The memory of Eighty-Eight!

SYDNEY WARREN.

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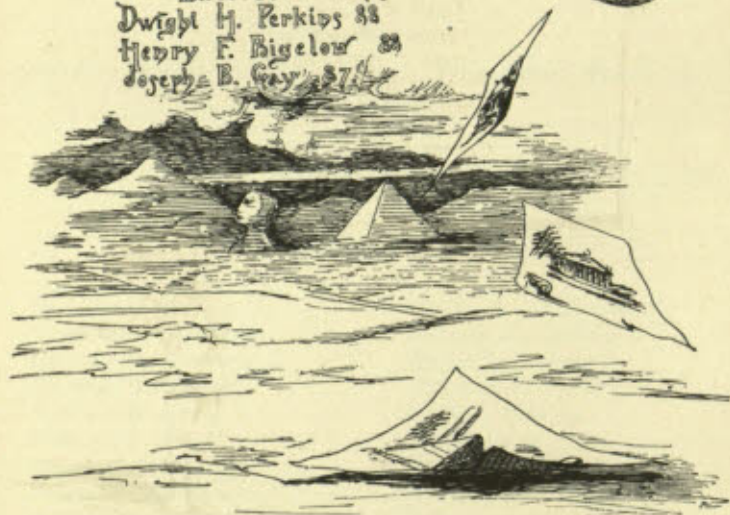
MIT ARCHITECTURAL SOCIETY.

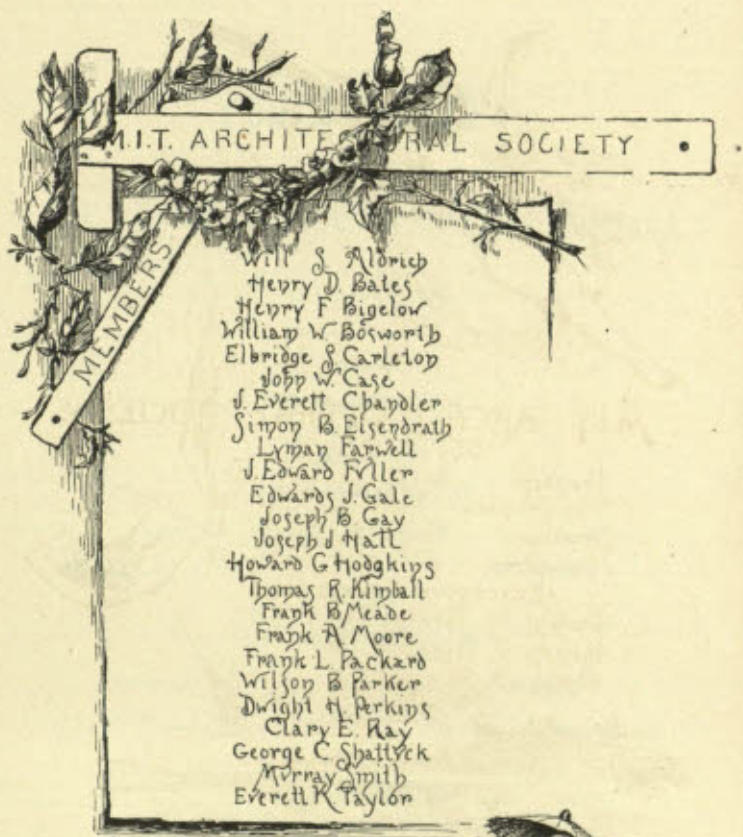
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OF '87.

Motto: "Semper macaroni tetrapique."

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1886-87.

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RUSSELL ROBB, '88.

— — —, '89.

— — —, '90.

: Indoor Winter Meeting :

DECEMBER 19, 1886.

<i>Fence-vault</i>	6 ft. 8 in.	W. L. DEARBORN, '88.
<i>Putting Shot</i>	34 ft.	P. R. FLETCHER, '87.
<i>Running High Kick</i>	8 ft. 6 in.	S. STURGES, '87.
<i>Standing High Jump</i>	4 ft. 8 1-2 in.	F. R. YOUNG, '86.
<i>Running High Jump</i>	5 ft. 2 3-4 in.	R. DEVENS, '88.
<i>Tug of War</i>		CLASS OF '87.

SUMMARY.

'86 won	1
'87 "	3
'88 "	2

: Indoor Spring Meeting :

MARCH 4, 1886.

<i>Parallel Bars</i>	N. P. A. CARTER, '87.
<i>Running High Jump</i> . . . 5 ft. 3-4 in. . .	R. DEVENS, '88.
<i>Running High Kick</i> . . . 8 ft. 11 in. . .	W. S. PHILLIPS, B. Y. M. C. U.
<i>Fence-vault</i> 6 ft. 7 in. . .	W. L. DEARBORN, '88.
<i>Putting Shot</i> 38 ft. 3 in. . .	J. D. RYAN, B. Y. M. C. A.
<i>Pole-vault</i> 9 ft.	H. F. HILL, '87.
<i>Standing High Jump</i> . . . 4 ft. 7 in. . .	F. G. CURTISS, B. Y. M. C. A.
<i>Tug of War</i>	'89.
<i>Feather-weight Sparring</i>	WILLIAMS, B. Y. M. C. A.
<i>Light-weight Sparring</i>	G. U. ASHE HARVARD.
<i>Middle-weight Sparring</i>	J. P. ROCHE, B. Y. M. C. A.

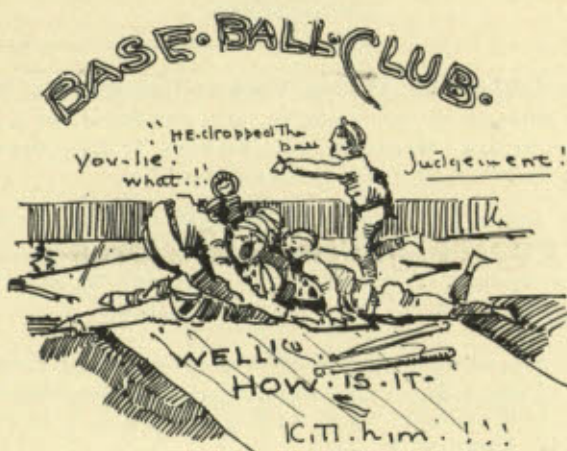
: Best American College Records :

UP TO OCTOBER 1, 1886.

EVENT.	RECORD.	HOLDER.	COLLEGE.
<i>100 Yards Dash</i> . . .	10 s. . . .	E. J. WENDELL . .	Harvard.
<i>220 Yards Dash</i> . . .	22 s. . . .	W. BAKER . . .	Harvard.
<i>Quarter Mile Run</i> . . .	50 1-4 s. . .	W. BAKER . . .	Harvard.
<i>Half Mile Run</i> . . .	2 m. 1-5 s. . .	W. BAKER . . .	Harvard.
<i>One Mile Run</i> . . .	4 m. 37 3-5 s.,	T. DE W. CUYLER,	Yale.
<i>Three Mile Run</i> . . .	16 m. 21 1-2 s.,	E. C. STIMSON . .	Dartmouth
<i>120 Yards Hurdle</i> . . .	17 s. . . .	W. H. LUDINGTON,	Yale.
<i>One Mile Walk</i> . . .	7 m. 1 s. . .	E. B. WRIGHT . .	Harvard.
<i>Two Mile Walk</i> . . .	15 m. 10 1-2 s.,	H. H. BEMIS . .	Harvard.
<i>Three Mile Walk</i> . . .	24 m. 14 2-5 s.,	H. H. BEMIS . .	Harvard.
<i>Seven Mile Walk</i> . . .	58 m. 52 s. .	H. H. BEMIS . .	Harvard.
<i>Two Mile Bicycle Race</i> .	6 m. 17 s. . .	G. A. E. KOHLER .	Uni. of Pa.
<i>Running High Jump</i> . .	6 ft. 1-2 in. .	W. B. PAGE . . .	Uni. of Pa.
<i>Standing High Jump</i> . .	5 ft. 1 1-4 in.,	W. SOREN . . .	Harvard.
<i>Running Broad Jump</i> . .	21 ft. 3 1-2 in.,	O. BODLESEN . .	Columbia.
<i>Standing Broad Jump</i> . .	10 ft. 3 3-8 in.,	F. LARKIN . . .	Princeton.
<i>Pole Leaping</i> . . .	10 ft. 7 3-4 in.,	L. D. GODSHALL .	Lafayette.
<i>Throwing the Hammer</i> .	95 ft. 11 in. .	A. B. COX . . .	Yale.
<i>Putting the Shot</i> . . .	40 ft. 1 1-2 in.,	D. B. CHAMBERLAIN,	Harvard.

: Best Institute Records :

<i>100 Yards Run</i>	10 3-5 s.	F. R. YOUNG, '86.
<i>220 Yards Run</i>	26 1-5 s.	L. R. COBB, '86.
<i>Quarter Mile Run</i>	58 2-5 s.	L. R. COBB, '86.
<i>Half Mile Run</i>	2 m. 17 3-4 s. . . .	H. F. HILL, '87.
<i>One Mile Run</i>	5 m. 24 s.	E. L. PIERCE, '86.
<i>120 Yards Hurdle Race</i> . .	19 2-5 s.	S. STURGES, '87.
<i>One Mile Walk</i>	8 m. 16 s.	J. DUFF, '81.
<i>Two Mile Bicycle Race</i> . .	7 m. 55 s.	H. SOUTHER, Jr., '87.
<i>Running High Jump</i> . . .	5 ft. 6 in.	{ G. L. HEINS, '82. J. L. KIMBALL, '87.
<i>Standing High Jump</i> . . .	4 ft. 10 in.	F. R. YOUNG, '86.
<i>Pole Vault</i>	9 ft. 4 in.	E. T. STURGIS, '84.
<i>Putting Shot (16 lbs.)</i> . .	34 ft. 9 1-2 in. . . .	P. R. FLETCHER, '87.
<i>Fence Vault</i>	7 ft. 2 in.	W. T. RIPLEY, '82.
<i>Standing Broad Jump</i> . . .	9 ft. 2 in.	H. F. HILL, '87.
<i>Running High Kick</i>	8 ft. 8 in.	T. C. DU PONT, '83.
<i>Running Broad Jump</i> . . .	17 ft. 4 1-2 in. . . .	M. E. COBB, '87.
<i>Tennis Singles</i>	E. M. BEALS, '90.



1886.

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Summary of Games for 1886.

I. APRIL 8th, on Boston Grounds, Boston. — BOSTON, 10; TECHS, 0.

THOMAS, '87, p.; AYER, '89, 3d b.; CLEMENT, '88, c.; MARCY, '89, r. f.; CARLETON, '87, s. s.; STURGES, '87, l. f.; RUSSEL, '89, c. f. and 2d b.; CARPENTER, 2d b. and c. f.; EWEN, 1st b.

TECHNIQUE.

2. APRIL 14th, on Union Grounds, Boston.—DARTMOUTH, 5; TECHS, 2.
THOMAS, '87, p.; AYER, '89, 3d b.; CLEMENT, '88, c.; CARLETON, '87, s. s.; MARCY, '89, r. f.; STURGES, '87, l. f.; EWEN, '89, 1st b.; KIRKHAM, '87, 2d b.; COLLINS, '88, c. f.
3. APRIL 17th, on Holmes Field, Cambridge.—HARVARD, 11; TECHS, 1.
THOMAS, '87, s. s. p; AYER, '89, 3d b.; CLEMENT, '88, c.; CARLETON, '87, p., s. s.; RUSSEL, '89, 2d b.; MARCY, '89, r. f.; WRIGHT, '88, l. f.; EWEN, '89, 1st b.; KIRKHAM, '87, c. f.
4. APRIL 21st, on Union Grounds, Boston.—HARVARD, 7; TECHS, 1.
THOMAS, '87, p.; CARLETON, '87, s. s.; CLEMENT, '88, c.; AYER, '89, 3d b.; RUSSEL, '89, 2d b.; KENDRICKEN, '89, l. f.; EWEN, '89, 1st b.; KIRKHAM, '87, c. f.
5. APRIL 24th, Union Grounds, TUFTS, 12; TECHS, 5.
THOMAS, '87, p.; CARLETON, '87, 2d b.; CLEMENT, '88, c.; AYER, '89, 3d b.; RUSSEL, '89, s. s.; MARCY, '89, r. f.; KENDRICKEN, '89, l. f.; EWEN, '89, 1st b.; KIRKHAM, '87, c. f.; BILLINGS, '87, 2d b.
6. APRIL 27th, Union Grounds, BOSTON BLUES, 9; TECHS, 0.
THOMAS, '87, p.; CARLETON, '87, 2d b.; CLEMENT, '88, c.; DEVENS, '88, 3d b.; RUSSEL, '89, s. s.; BILLINGS, '87, c. f.; MARCY, '89, r. f.; KENDRICKEN, '89, l. f.; EWEN, '89, 1st b.
7. MAY 1st, at Melrose.—BEACONS, 9; TECHS, 6.
THOMAS, '87, p.; CARLETON, '87, 2d b.; CLEMENT, '88, c.; AYER, '89, 3d b.; RAY, '88, s. s.; MARCY, '89, r. f.; RUFFIN, '89, l. f.; EWEN, '89, 1st b.; BILLINGS, '87, c. f.
8. MAY 17th, Union Grounds.—BROWN, 12, TECHS, 3.
THOMAS, '87, p.; CARLETON, '87, 2d b.; CLEMENT, '88, c.; AYER, '89, 3d b.; KENDRICKEN, '89, l. f.; SMITH, '88, s. s.; MARCY, '89, r. f.; EWEN, '89, 1st b.; BILLINGS, '87, c. f.
9. MAY 31st, at Providence.—BROWN, 5; TECHS, 3.
THOMAS, '87, p.; CARLETON, '87, 2d b.; CLEMENT, '88, c.; EWEN, '89, 1st b.; AYER, '89, 3d b.; KENDRICKEN, '89, l. f.; BILLINGS, '87, c. f.; MARCY, '89, r. f.; HOPPIN, '88, s. s.

TECHNIQUE.

Batting Averages.

PLAYERS.	GAMES.	AT BAT.	RUNS.	1st BASE HITS.	TOTAL BASE HITS.	AVERAGE 1st BASE.	AVERAGE TOTAL BASE.
CLEMENT . .	9	38	3	11	12	.289	.315
RUFFIN . . .	2	7	3	2	2	.285	.285
AYER	8	32	1	6	10	.188	.312
THOMAS . . .	9	38	1	6	8	.158	.210
EWEN	9	29	3	4	4	.138	.138
MARCY	9	32	3	4	5	.125	.156
KENDRICKEN .	5	17	1	2	2	.118	.118
CARLETON . .	9	34	3	3	3	.088	.088
BILLINGS . . .	5	12	1	1	1	.083	.083
RUSSELL . . .	5	16	0	0	0	.000	.000
KIRKHAM . . .	4	12	1	0	0	.000	.000
STURGES . . .	2	6	0	0	0	.000	.000
DEVENS. . . .	1	3	0	0	0	.000	.000
HOPPIN	1	4	0	0	0	.000	.000
RAY	1	2	1	0	0	.000	.000
COLLINS . . .	1	3	0	0	0	.000	.000
WRIGHT . . .	1	3	0	0	0	.000	.000
CARPENTER . .	1	2	0	0	0	.000	.000

Cup offered by Alpha Tau Omega for best batting average awarded to CLEMENT, '88.

TECHNIQUE.

Fielding Averages.

PLAYERS.	GAMES.	PUT OUTS.	ASSISTS.	ERRORS.	TOTAL CHANCES.	AVERAGE.
STURGES	2	2	0	0	2	1.000
HOPPIN	1	0	2	0	2	1.000
COLLINS	1	2	0	0	2	1.000
EWEN	9	58	3	9	70	.871
CLEMENT	9	96	11	20	127	.842
RUSSELL	5	7	5	3	15	.800
THOMAS	9	3	85	23	111	.793
KIRKHAM	4	10	3	4	17	.765
WRIGHT	1	2	0	1	3	.666
CARLETON	9	13	18	17	48	.646
AYER	8	6	9	9	24	.625
KENDRICKEN . .	5	8	1	7	16	.563
DEVENS	2	2	2	3	7	.555
RUFFIN	2	2	3	4	9	.555
MARCY	9	2	1	3	6	.500
RAY	1	0	1	1	2	.500
BILLINGS	5	5	0	7	12	.417
CARPENTER . . .	1	0	0	1	1	.000



FOOTBALL TEAM.

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TEAM.

Rushers.

VORCE, '88.

GOODHUE, '90.

TAINTOR, '87 (*center*).

LADD, '88.

BARTLETT, '87.

TRACY, '90.

DAME, '89.

Quarter-back.

HERRICK, '88 (*Captain*).

Halves.

DEARBORN, '88.

DUANE, '89.

Full-back.

DEVENS, '89.

Substitutes.

KIMBALL, '87.

WADSWORTH, '89.

FISH, '87

DURFEE, '89.

Summary of Games for 1886.

1. UNION GROUNDS, October 9th.—HARVARD *vs.* TECHNOLOGY.

Rushers: VORCE, BARTLETT, DAME, TAINTOR, LADD, TRACY, GOODHUE. Quarter-back: HERRICK. Halves: DUANE, WADSWORTH. Full-back: DEVENS. Score: HARVARD, 48; TECHNOLOGY, 0.

Referee: MR. FILMORE, Harvard, '89.

2. ANDOVER, October 14.—ANDOVER *vs.* TECHNOLOGY.

Rushers: VORCE, BARTLETT, DAME, TAINTOR, LADD, TRACY, GOODHUE. Quarter-back: HERRICK. Halves: DUANE, WADSWORTH (GREENE). Full-back: DEVENS. Score: ANDOVER, 18; TECHNOLOGY, 16.

Referee: MR. KNOWLTON, Andover.

3. NEW HAVEN, October 16th.—YALE *vs.* TECHNOLOGY.

Rushers: VORCE (STEARNS), TRACY, DAME, TAINTOR, LADD, CLEMENT, GOODHUE. Quarter-back: HERRICK. Halves: DUANE, BARTLETT. Full-back, DEVENS. Score: YALE, 96; TECHNOLOGY, 0.

Referee: MR. PETERS, Yale, '89.

4. CAMBRIDGE, October 20th.—HARVARD *vs.* TECHNOLOGY.

Rushers: GOODHUE, KIMBALL, DAME, TAINTOR, LADD, LA ROSE, TRACY. Quarter-back: ELLIS. Halves: DUANE, KENDRICKEN. Full-back: DEVENS. Score: HARVARD, 59; TECHNOLOGY, 0.

Referee: MR. KIMBALL, Harvard, L. S.

*5. AMHERST, October 23d.—AMHERST *vs.* TECHNOLOGY.

Rushers: VORCE, KIMBALL, DAME, TAINTOR, LADD, TRACY, GOODHUE. Quarter-back: HERRICK. Halves: DUANE, DEARBORN. Full-back: DEVENS. Score: AMHERST, 18; TECHNOLOGY, 0.

Referee: MR. WATSON, Amherst Agricultural College.

6. UNION GROUNDS, October 29th.—DARTMOUTH *vs.* TECHNOLOGY.

Rushers: VORCE, KIMBALL, GROSS, TAINTOR, LADD, BARTLETT, TRACY. Quarter-back: HERRICK. Halves: DUANE, DEARBORN (DURFEE). Full-back: DEVENS. Score: DARTMOUTH, 11; TECHNOLOGY, 6.

Referee: MR. MERRILL, Dartmouth.

TECHNIQUE.

*7. UNION GROUNDS, November 3d.—WILLIAMS *vs.* TECHNOLOGY.

Rushers: VORCE, BARTLETT, DAME, TAINTOR, LADD, TRACY, GOODHUE. Quarter-back: HERRICK. Halves: DUANE, DEARBORN (BEMIS). Full-back: DURFEE. Score: TECHNOLOGY, 14; WILLIAMS, 14.

Referee: MR. KELLEY, Harvard Medical.

*8. UNION GROUNDS, November 4th.—AMHERST *vs.* TECHNOLOGY.

Rushers: VORCE, BARTLETT, DAME, TAINTOR, LADD, TRACY, GOODHUE. Quarter-back: HERRICK. Halves: DUANE, BEMIS. Full-back: DEVENS. Score: TECHNOLOGY, 22; AMHERST, 0.

Referee: MR. KELLEY, Harvard Medical.

9. EXETER, November 6th.—EXETER *vs.* TECHNOLOGY.

Rushers: VORCE, KIMBALL, DAME, TAINTOR, LADD, TRACY, GOODHUE. Quarter-back: HERRICK. Halves: DUANE, DEARBORN. Full-back: DEVENS (STEARNS). Score: TECHNOLOGY, 22; EXETER, 6.

Referee: MR. FALLOWS, Amherst, '86.

*10. WILLIAMSTOWN, November 13th.—WILLIAMS *vs.* TECHNOLOGY.

Rushers: VORCE, TRACY, DAME, TAINTOR, LADD, BARTLETT, GOODHUE. Quarter-back: HERRICK. Halves: DEARBORN, DUANE. Full-back: DEVENS. Score: WILLIAMS, 21; TECHNOLOGY, 0.

Referee: MR. KELLEY, Harvard Medical.

11. UNION GROUNDS, November 17th.—HARVARD *vs.* TECHNOLOGY.

Rushers: FISH, TRACY, BARTLETT, TAINTOR, KIMBALL, GOODHUE, VORCE. Quarter-back: HERRICK. Halves: DUANE, DEARBORN. Full-back: WADSWORTH. Score: HARVARD, 62; TECHNOLOGY, 0.

Referee: MR. KELLEY, Harvard Medical.

*12. COLLEGE HILL, November 19th.—TUFTS *vs.* TECHNOLOGY.

Rushers: VORCE, TRACY, LADD, TAINTOR, DAME, BARTLETT, FISH. Quarter-back: HERRICK. Halves: DUANE, DEARBORN. Full-back: DEVENS. Score: TECHNOLOGY, 28; TUFTS, 8.

Referee: MR. SMITH, Harvard, '87.

* Championship Games.

Northern Inter-Collegiate Football Association

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MR. GALLETTY.
Tufts.

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MR. HASKELL.
Amherst.

Record of Teams.

TEAMS.	WILLIAMS.	AMHERST.	TECHNOLOGY.	TUFTS.	Games Won.	Points Scored.
WILLIAMS	—	1	1	1	3	130
AMHERST	1	—	1	2	4	64
TECHNOLOGY	*	1	—	2	3	66
TUFTS	0	0	0	—	0	24
Games Lost	1	2	2	5		
Points Scored Against,	20	72	61	129		

* Tie game.

TECHNIQUE.

Championship Games.*

Oct. 20.	WILLIAMS . . 61	TUFTS . . . 0	At College Hill.
Oct. 23.	AMHERST . . 18	TECHNOLOGY 0	" Amherst.
Oct. 27.	TECHNOLOGY <i>vs.</i> TUFTS (forfeited by Tufts),		" Boston.
Oct. 30.	AMHERST . . 6	WILLIAMS . 4	" Amherst.
Nov. 3.	TECHNOLOGY . 14	WILLIAMS . 14	" Boston.
Nov. 3.	AMHERST . . 18	TUFTS . . . 4	" College Hill.
Nov. 4.	TECHNOLOGY . 22	AMHERST . . 0	" Boston.
Nov. 9.	AMHERST . . 22	TUFTS . . . 12	" Amherst.
Nov. 13.	WILLIAMS . . 21	TECHNOLOGY, 0	" Williamstown.
Nov. 19.	TECHNOLOGY . 28	TUFTS . . . 8	" College Hill.
Nov. 20.	WILLIAMS . . 30	AMHERST . . 0	" Williamstown.

* No championship awarded.

: '89 Sophomore Eleven :

<hr/>		
Rushers.		
SHELDON.	DAME (<i>Captain</i>).	LA ROSE.
BAILEY.	MARCY.	CRAIGIN.
	WOOD.	
• Quarter-back.		
	KENDRICKEN.	
Halves.		
DUANE.		WADSWORTH.
Full-back.		
	DURFEE.	

Games Played.

'90 vs. '89 4-0.

: '90 Freshman Eleven :

<hr/>		
Rushers.		
GOODHUE (<i>Captain</i>).	KEARNS.	TRACY.
GILMAN.	HAMILTON.	DELANO.
	CHOATE.	
Quarter-back.		
	BEALS.	
Halves.		
STEARNS.		WELD.
Full-back.		
	RIDDLE.	

Games Played.

ENGLISH HIGH-SCHOOL vs. '90 6-6
 '89 vs. '90 0-4



Technology

Tennis

Association

1886-87.

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Tournament.

FINAL SINGLES, FIRST PLACE.

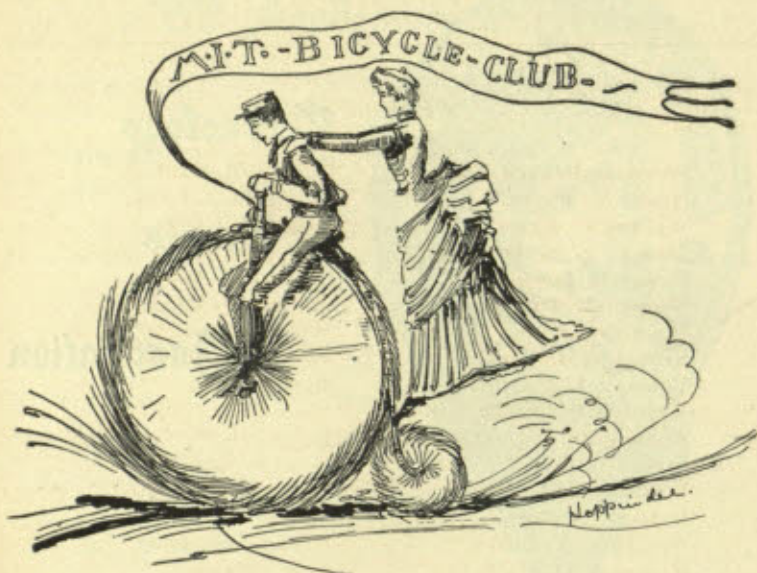
BEALS, '90, beat CHASE, '88: 5-7, 3-6, 6-0, 6-4, 6-3.

FINAL SINGLES, SECOND PLACE.

CHASE, '88, beat SMITH, '88: 6-1, 6-0, 8-6.

FINAL DOUBLES.

Not yet finished.



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EDWARD S. HUTCHINS, '89.

First Lieutenant.

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Second Lieutenant.

SAMUEL H. MILDRAH, '89.

Bugler.

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TECHNIQUE.

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E. S. WEBSTER, '88.

Chaplain.

REV. G. C. WALES.

*Harvard.



AN attempt to form a Lacrosse Club was made this fall by Messrs. Martin and Latta; but, owing to the lateness of the season, it was decided to postpone the organization of the Club until next spring, when it is hoped a lively interest will be taken in the game.



DURING the past two years, Athletics at the Institute have been making great strides toward the goal of honor.

We sent delegates to the convention of the Northern Inter-Collegiate Foot-Ball Association in '85, and Mr. Fletcher, Technology, '87, was elected President. The team we put on the field that year, though misfortune overtook it on the final day, was a splendid success, making a grand struggle for the championship. Our in-door and out-door meetings were eminently successful, being conducted with that skill and good judgment so characteristic of Technology men. At the "open-to-all" meetings we carried off the lion's share of the prizes, our Freshmen pulling the Harvard Sophomores off the cleats in the tug-of-war.

At base-ball we lacked that vim and confidence so markedly prominent in our foot-ball team. The '88 Sophomore League did much to increase the interest in base-ball, bringing into notice many splendid players who otherwise could not have been induced to play.

Again this fall, '88 has shown her usual promptness and desire to encourage and increase the interest in athletics, by forming a foot-ball league similar to that in base-ball.

This year our 'varsity foot-ball team, though much lighter than that of last year, and composed mainly of new men, has done nobly, and much of the credit is due to the popular Captain Herrick, '88, who has worked with untiring zeal to bring the team up to, and higher than, the standard attained last year. That he has succeeded in a great measure is evident to any one who has followed closely the playing of the team,—the decided improvement in the half-back play, the solid blocking and fine tackling of the rush line, being most noticeable.

There is only one drawback to athletics at the Institute, and it is, indeed, a very grave one,—we have no campus. It is this very fact which keeps so many of our best men out of athletic sports. It is true, indeed, we have a very fair gymnasium; but how infinitely superior is out-door exercise, where one can enjoy his sport with all the vigor and life of manhood, and then return to his studies with clear mind and happy heart, ready to enter upon his work with that determination, zeal, and interest so necessary for complete success. It is the most sincere hope of all the students that the Institute will grasp the opportunity now presented for securing grounds for out-door games; not only that the students may enjoy themselves as in other colleges, but that the name of the Massachusetts Institute of Technology shall, before many years, stand foremost in the college world in athletics, as it does now in engineering science.

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AND

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1886-87.

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A TECHNICAL magazine, worthy of the leading scientific college of the country, was first proposed by Mr. Jas. T. Greeley, '88. Strongly encouraging views having been expressed by the President, professors, and students, a meeting was called on November 23d, at which representatives of the Senior and Junior classes organized as a committee of ten to consider the project. At a second meeting, held November 29th, the Committee reorganized as a Board of Editors, to undertake the publication of a periodical which should "adequately represent the position and progress of the Institute among technical institutions, record the results of the many valuable and original investigations here carried on, and provide our students with a summary of contemporary scientific work most meriting their attention," decided on its name, and adopted a constitution. The first number of the magazine will appear soon after the semis.



— ANNUAL —

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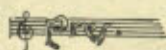
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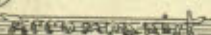
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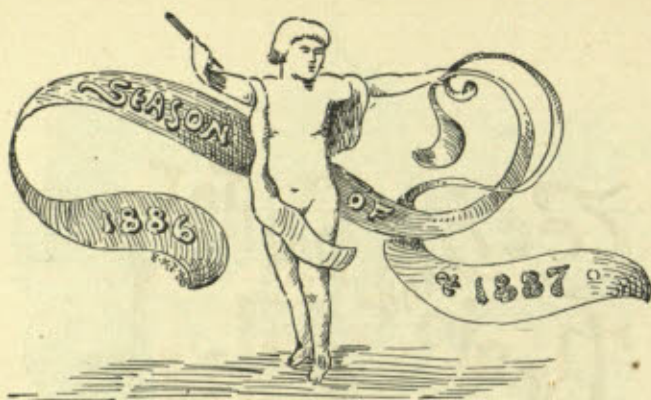
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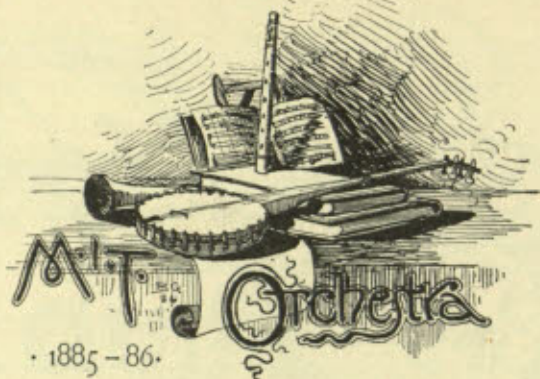
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"We know what we are, but know not what we may be."—*Shakespeare*.

The Pin GEO. U. G. HOLMAN.

"I do not set my life at a pin's fee."

Our Graduates DONALD M. BLAIR.

"The memory be green."

Athletics RICHARD DEVENS.

"Let's do it after the high Roman fashion."—*Shakespeare*.

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Society of '88 GEORGE C. DEMPSEY.

"A fellow-feeling makes us wondrous kind."—*Byron*.

The Cycling Club FRED. J. WOOD.

"A horse, a horse! my kingdom for a horse!"—*Shakespeare*.

The Baby HARRY C. MOORE.

"Behold the child, by nature's kindly law,
Pleased with a rattle, tickled with a straw;
Some livelier plaything may his youth delight—
A little louder, but as empty quite."

The Faculty JAMES T. GREELEY.

"I am not in the roll of common men."

'87 ALGERNON S. WARREN.

"The right thing, as usual"—*chestnuts*.

The Fraternities JULIAN V. WRIGHT.

"A friendship that, like love, is warm—
A love-like friendship, steady."—*Moore*.

The Courses HENRY J. HORN.

"Like a race—a matter of course."

The Ladies FRANCIS L. V. HOPPIN.

"Without the smile from partial beauty won,
Oh! what were man? A world without a sun."



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\$—

LIABILITIES (unpaid bills):

\$8.00.



: M. J. T. Battalion :

1886-87.

OFFICERS.

Major.

R. G. BROWN.

Adjutant.

D. CAMPBELL.

Quartermaster.

J. S. HYDE.

Sergeant-Major.

EDWARD F. SIMPSON.

Captains.

W. Z. RIPLEY.

H. C. CLAPP.

H. C. SLATER.

H. M. GOODWIN.

First Lieutenants.

G. W. TAYLOR.

G. L. GILMORE.

C. C. BABB.

S. W. MOORE.

Second Lieutenants.

A. H. ROGERS.

CHARLES HAYDEN.

W. L. BOWKER.

E. F. BRAGG.



DEPARTMENTS..



The Civils.

WE are—I am willing to gamble just a few that I am right there; we is, is not according to Gen. de Pratt,—we are not an Eighty-nine drum-corps, either on the march or on the retired list, without pay. We are Civils. Course I., one flight front, room 24, new building. If you want to see if we are regular, consult Illustrated Catalogue for 1886-87, now in the hands of D. E. Vil, Esq., with Franklin Press Printing Co., of Busting Mess. Having told you what we are and are not, I will now give you a condensed tip of our *repertoire*.

Every afternoon, including Wednesdays and Saturdays, field-work; Sundays, office-work. In our office-work we get up back work, and fix things up generally. In our field-work we do all sorts of acts. We measure, estimate, guess, and allow, and go back and measure over again all sorts of things, from the Boston Common to a one and a half inch bolt-head on the top of the Congress Street bridge. We measure the distance around the block and back, making the necessary corrections for temperature, pressure, and mistakes, being careful to put the date and numbers of the party in our notes. We make ourselves familiar with the length of our arm, our face, and the distance we can "see a man."

We take elevations,—that is, we take them if we can't get them from the city. We took the elevation of the highest point on the Blue Hill. B. H., however, has not suffered a bit, but is still able to give all high places along the coast, from here to Florida, a handicap, and discount them on Ella Vatine. At present we are engaged in some stupendous gymnastics on all varieties of bridges—pin bridges, rivet bridges, Bridge of Sighs,—the size being about that of the Dartmouth, or any other disreputable abridgment for wagon traffic. We are also over-working ourselves—working over draw-bridges, ferry-landings, time-tables, and drawing-tables, besides working over hours.

Now for what we are going to be and do. We are going to be Uncivil Engineers of the degree S. B. As to what we are going to do. The posters announcing our future doings are not up yet, but they will be published at some length in the *Engineering Gazette*, *Scientific American*, and the *Tech*. I will close with some of the words used by Mr. G. Stephenson and others:—



Here's to Course One, and here's to the Civil.

If it were not for Course One and the above-mentioned
Divil,

All the rivers, and swamps, and mountainous ridges,
Wouldn't have any roads or determinate bridges.

The Mechanicals.

AFTER the semi-annual flunk in chemistry, the weary Freshman begins to think over what course to choose. He grasps his catalogue, and commences with Course I. He quickly passes this over, however, and stops at Course II. Yes, very justly should he stop here, for this is the only course to select; the knowledge you will receive will save you from many mistakes in after life. If our worthy Secretary had graduated from this course, he would never make such a mistake as to mark an examination report "F all over." Any one will see the absurdity of this; therefore, Freshmen, avoid all imitations: see that your attendance-paper bears the words Course II.

This is the only course in which you will have plenty of time to make up back work,—if not during the school-year, at least during the summer vacation. You will almost immediately become thoroughly acquainted with what is meant by the "nights of labor,"—a subject of great importance to those who wish to understand the actions of the elliptic chuck, which most will receive at the semi-annuals, or, at least, a little later, when they become better acquainted with that laboratory mule. All those not understanding the subject thoroughly will be liable to get an early cut-off, or, to remedy it, will have to move their advance back another year.

After you have used up your ink in vainly endeavoring to get black enough lines on your tracing, you attempt to take a blue copy, mount upon the roof, being careful to place another person down by the Garden, to keep track of your tracing when the wind takes it; for the vibrations of the ether up there have considerable energy, and you sincerely wish that it would be transformed into anything else, barring heat—for we have more heat than we can bear from other sources G (7,000-7,015) Tait (pp. 1-13).

Having exposed your plate, as it seems to you, sufficient, you rush down-stairs, and in your hurry usually place tracing and all in the water. You find the lines hardly ever come out in your blue copy, but the water seldom fails to bring out lines upon your tracing. Men in other courses would undoubtedly swear; but a mechanical never swears—he always stops to apply those rules of rhetoric which he learned in his Freshman year, and thus expresses himself in words which would delight even our worthy profs, in English.

When you have matured slightly in your ideas of drawing, and have read thoroughly your notes, you may have the pleasure of visiting some distant machine-shop, to see whether such and such a machine has its proper dimensions. You hurry over to the destined place, lunch in one hand, sketchblock, etc., in the other, and upon arriving at the shop, dive amid a mess of oil, and fish up your assigned piece. The measurements

very seldom agree with what we know is right; still, it has been rumored that a machine will go together as well on paper as when made, — and often it seems as though that might be true; for it is painfully evident that a 5-8 bolt will not turn very freely in a 1-2 inch hole, notwithstanding allowance for wear. But the workshop: what bliss! It is here that every class does more work than any of its predecessors. What don't we do there? We bang our fingers, we melt our tongues and every other imaginable thing, we get a p., and are fully content.

Thus with these amusements and many others, such as Descriptive, Physics, our hardest study, English, and our daily visits to Ridler's, we plod along, going home feeling happier and brighter with the thought that "every day will be Sunday by and by."

For further particulars apply at Mech. Eng. drawing-room; and upon entering the room take first door on right.

The Miners.

COURSE III. MINING. The words before me bring up in memory the long, dreary hours spent in the chemical laboratory, where, like a chain-gang, we worked chained to our desks; the cold, oh! such cold days



spent in surveying, when one's numbed fingers could scarcely hold a pencil to take notes with. I shall long remember the old Muddy River survey (and it was a muddy river) that we made; how the brambles and burrs grew thick on the banks, and how every train that passed, by deflected the compass-needle just as I was about to take a reading.

But these things are all past and gone, buried with Physics, Analytic, and the rest, and now we wrestle with new studies. We are at present enjoying ourselves hugely with "Common Minerals and Rocks," in which we find as many "typical specimens" as ever. We have all had the fever, which we caught from our mining lectures, very badly — I mean the gold fever. For several weeks we wallowed in placers and rich gold-bearing sands, until we were all ready to go home, and go out secretly to the little creek in the neighborhood and wash its sands for gold. By heroic treat-

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ment, however, we passed the crisis, and are now doing quite well. We are looking eagerly forward now for the diamond fever, and expect to have lots of fun when it strikes in.

Chem. Lab. still sticks by us, and is faithful to the end. The monotony of the slow work of filtering precipitates that totally clog up the filter, is now and then relieved by a faint "boom;" but we are used to that now, and cry "hood" without looking up. Now and then we steal away and enter the athletic arena as a "Lab." team. Our contests in this field are well known. They have always resulted in victory—for the other side.

Throughout our tedious hours of labor we are comforted by one bright hope,—it is the one thing the miner looks forward to with feelings of delight:—it is to the time when he will be a Senior. Then, indeed, does he enjoy a well-merited rest—what some envious men from other courses might be tempted to call a "soft snap." But they are mistaken in that. If they think it is "soft," they can come and work in the mining lab. for a short time, and I am betting they will find it "hard."

Although we are few in numbers we have got lots of sand, and are every one of us right here. We are all going to get there, too, when 1888 comes along, and we are gambling on our prospects. We are the best course in the Institute, and we know it; but our modesty forbids our bringing forward proofs of our greatness.

We all intend to be rich men some day; and when that day comes you will hear from us again. Until then, adieu!

The Architects.

Editors of TECHNIQUE:—

Calling on an intimate friend the other day, I found his room deserted, and on the table this letter. As it had something in it about our department, I send it to you for publication; and although my friend doubtless wonders where it went to, I think he will see the joke when *TECHNIQUE* is published. Please omit the tender utterances which precede and follow the part marked.

Yours respectfully,

ARCHITECT."

THE LETTER.

BOSTON, MASS., Nov. —, 1886.

MY DEAR LILLIAN:—



THE other day I visited the Architectural Department of the Massachusetts Institute of Technology, having been often invited to do so by a friend who is a student there. When I heard that a number of drawings were on exhibition there, I decided to go and see them. As I entered the long drawing-room I was surprised to find it almost deserted; but one of the students informed me that most of the boys were that afternoon engaged in teaching the Chemists and Miners how to play



foot-ball. Passing in front of the long row of plaster-casts on one side of the room, I was amused by the arrangement of some of the statues. Venus of Melos and Apollo were standing lovingly side by side, and their scanty apparel was supplemented by the folds of a none-too-clean towel, which was artistically draped about both figures. A little beyond, Hercules was struggling under an enormous hat, probably a fit for some "freshman," which rested on his shoulders, entirely covering his head. Walking up the room, I came to a cage formed by shutting in the corner of the room with screens of stained glass. Within this sanctum was a young gentleman whom I at first took for a student; but from the way in which he was imparting information to a meek-looking "freshman," I concluded he must be the professor of the department, and, stepping up, I respectfully ad-



dressed him as such. He smilingly corrected me, remarking that his name was R. Turner Rembrandt, P.S., A.I.W.C., which I afterward found stood for Private Secretary and Assistant Instructor in Water Colors. With reeling brain I staggered into the library; but here a fine collection of drawings quickly revived me, by making me forget R. Turner, etc. I thought it rather strange that so many drawings should be marked second mention, for there cannot be much honor in receiving the same mention as fifteen or twenty others; and I hear that the students are indeed dissatisfied with this way of marking. At the entrance to the library were two locked glass cases, in which to post bulletins; but the boys had appropriated one of them, and turned it into a "Rogue's Gallery." Some of the sketches were very good likenesses, and I recognized the originals of two of them as second-year special students. As I went into the drawing-room from the library, the foot-ball men came marching in from the hall, and at their head was a rather tall youth with a heavy stubby brown beard. I immediately set him down as the king rogue, and as his picture was not in the gallery, I concluded that he must have the key to the bulletin-board. The boys were in high spirits, for they had shut out their opponents by a

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score of twenty-four to nothing. One of the boys told me that the Architects were always victorious, and they could beat any department at any game from foot-ball to poker,—but they preferred to play poker. I turned to go, but just then a pretty young lady came briskly into the room as though she belonged there. I immediately stopped to examine a cast of some architectural ornament, but I do not know what it was, for my attention was really fastened upon the new-comer. Yes, she was really a student of architecture; and although very much surprised, I nevertheless felt considerable respect for a young woman courageous enough to take up this grand but difficult profession; and as one to fifty-five is an intolerable proportion, I have no doubt *fifty-four* of the boys wished more young women would follow her example. It was getting late, and almost too dark to draw, although some of the boys still leaned over their drawing-



boards. Suddenly an apparition entered the lower end of the room, and my hair began to rise almost like one of the "rogue's" pompadour. In one hand the spectre held a dimly-lighted lantern, which seemed to make the room still more gloomy, and the fantastic shadows made my blood run cold; in the other hand it held a bunch of keys, which it menacingly rattled. From the remarks of the boys I guessed that this was a common visitor, and its name was Chestnut; so, taking courage, I cautiously approached the mysterious figure, and discovered that it was the janitor. This individual turned us all out; and as I walked away from the building the boys stopped a moment on the steps, and then one more cheer for the foot-ball victory rang out; and as I walked home to supper, over and over again I heard those victorious words, Ah there! T square! Rah! Rah!! Rah!!!

* * * * *

Yours forever,

To Miss _____,
Lexington, Ky.

The Chemists.

It is reported that a certain Senior Chemist, who had been sent by Prof. N. to the chemical library to formacide of its literature an encyclopediate article containing all which had been done, said, or thought, regarding the construction of a hydrous dimethylphosphosulphonic cacodylate of "Rough on Rats," fell fast asleep while endeavoring to decipher *Fontum Fluviorum que Origine ex Pluviis*, with the aid of Köhler, and did not awaken until late in the evening, when, as he supposed, all the students had left the building. Groping through the darkness to the door of the analytical laboratory, he was dazzled by a burst of light, and per-

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ceived, to his astonishment, that every burner in laboratory was lighted, and a swarm of busy-bodies was toiling among the desks.

"What in Gehenna does this mean?" demanded the sleeper.

"No unspiritual language here," replied a black-bearded form, squinting on him with a wash-bottle.

"Why, what are you?" inquired the sleeper, somewhat disconcerted to perceive, for the first time, that all the workers possessed a sort of doubtful transparency, like the flames of their Bunsen burners.

"Aren't you chemist enough to tell spirits when you see them?" returned the other. "We are the disembodied elements, or primary radicals, of the poor digs, who dream over their analyses all night. We are the boys who appropriate asbestos papers, gather in all the loose pincers and things, and smash all the glass and porcelain ware not discounted for at the end of the term. There goes one now;" and playfully snatching a beaker from his neighbor's desk, he sent it whizzing across the laboratory.

"By chromate!" said the owner, an amiable-looking ghost in spectacles, "if you don't dessicate up, I'll precipitate you into the middle of next term. You'd better hang a check around your neck," he continued to our observer, "or that little black-headed calculator over there will swear he lost you last week, and will shove you into a drawer, where you'll stay, like an agate mortar he borrowed of me, until you mortarfy."

"My folks haven't sent me a check for an age," replied the spectator; "besides, he doesn't look strong enough to do it."

"Don't you believe it," returned the other; "you just smell of him. He only came over from the Elm five minutes ago. We are going to make him get under the hood presently."

"If it's one of the co-ed's hoods, it will be all right," put in another. "Hullo, C.!" he continued to a stalwart form, who came sauntering along the row. "How does indigo?"

"Chestnuts," groaned the shape, retreating rapidly.

"Look at his face!" chuckled the other. "He's got the blues, azure as semies."

"Who is that?" asked our investigator, noticing a short, restless phantom, whose principal occupation seemed to be watching the others, and marking in a book.

"He's a smarter'n—all creation, so he thinks," growled a form near. "See him get on to that fire."

A dense smoke had suddenly arisen from a crock, near a group of exceptionally innocent-looking spirits, who began tooting dolefully on test-tubes, while the watcher just mentioned strode forward and tipped the contents of a wash-bottle in the crock. "Doesn't that make trouble?" queried the ex-sleeper.

"Nothing makes trouble, except for a fellow to get off his balance, or make too long weights," was the answer.

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In view of the latter hint our hero moved on, and asked the next man what he was doing.

"Slag," was the laconic reply.

"How do you do it?"

"Determine the silica by heating thirty days; copper, lead, iron, calcium, and magnesium, by luck; manganese and zinc, by guess; and the sulphur and phosphorous by difference."

"By difference!"

"Yes, by difference between the other fellows' results. Look it up in He--h's tables. All the third-year Miners have them.

As our mortal turned sadly away at this fresh revelation of depravity, a tall, slightly stooping figure, followed by a somewhat smaller form, with a green bandage over one eye, approached him.

"Won't you buy a quire of paper?" Institute stamp and all complete; red, green, or yellow; only eighty cents, and nearly all gone."

"No, thanks; but that dark ghost with a white tie, at the other end of the row, wants some." And while they were tackling him our hero escaped.

The Electricals.

Motto: "Ohm, sweet Ohm."

SHOULD a stranger happen some morning to drop into Room 15, New Building, what would greet his eyes? Twenty or thirty men gathered in clusters at every available table-corner,—here centered around some German paragon, there grouped about a Calculus fiend; but by far the greater majority would be consulting Maxwell, and giving vent to ideas of more or less originality, if not value. Here it was that the "gyratory intemolecular antidissociatory electrolytic conduction hypothesis" was first formulated to be expressed across the hall in Room 11. But here the bonafide '88 Electricals must succumb, however, and give the glory of this to one outside their regular division. Yes, these students, as you have already surmised, are from the Electrical Course, the cream of the whole school; few—but oh my! We say nothing of base-ball in their favor. "We did not come to the Tech to play ball," I heard a tired-looking grind say,

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after the game last year against the Civils. No! we did not come to play base-ball,—that was conclusively shown,—but foot-ball. Would the same remark apply here? What does South Boston say? And they were supported by some of the Architects, too. A little secret now I have to tell, which may disclose the cause of our success: In pursuance of our profession, the ball we always charge strongly with plus electricity, while one of our substitutes gives the goal behind which we wish to place the ball,—a very powerful negative charge: this in confidence. Notable rushers, having removed their glasses, also did good work, and did consent to touch “that dirty ball” with greater alacrity than was hoped. Thus in sports we do not lag behind.

I have heard it rumored that VI. is a snap course. This I flatly deny, and am backed by each and all of my associates, also the professors. What if we do have four afternoons off—they were given us to study in, and we take it for granted that they are spent in this way. No! VI. is no snap, but a terrible grind. Let any doubter step in and try it. Even the notable chemist, Mr. Co-n-r, '88, after three recitations in Electricity, was downed, and has left the field.

We have heard a prophecy that '88, Course VI., was to have a great future. What could be more fitting than that we all should shine as electric lights—but what more unlikely? And now, boys, join hands while “Charlie” turns the crank and distributes a few electric shocks. Strictly local.

A TUBE of force: The windpipe.

THE *Peltier* effect: A black eye.

AN astatic pair: J-n-s and S-fl-d.

A GOOD broom: A *brush* machine.

W-BS-ER and F-rg-s-n: see Bl- d.

C-LL-NS: Oh! what a marvel of electric might!

CH-NY and twenty-two others: “I don’t exactly understand.”

AN important question in a prison: The best best grouping of cells.

FER--SON: “Music has charms to soothe,” etc., but we must draw the line at a bad bagpipe.

DU P-NT: Says he would be happy if the earth were an equipotential surface (def. equipotential surface is one in which no *work* is required in passing from one point to another).

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S-FF-D: We are pleased to hear of the invention of this gentleman, by which one—presumably the inventor—is enabled to absorb the contents of text-books while eating, and even during sleep.

BL-D: It is better to have attempted a good thing and failed, than never to have tried at all.

This is an enigma only to be solved by a close inspection of the face of the subject.

Br-N-Y: Our automatic question-machine was put in first-class order during the summer vacation (being sent abroad for the purpose), and has returned in good working condition, with several new combinations added. It may be seen at any time, except at the beginning of an exercise.

The Biologicals.

MOST just and jovial Junior, tell me of the Biological. Does he grind, or does he lead a life of leisure?

O fanciful, frisky Freshman, the Biological, like all good Techs, must slave in never-ending toil! The laboratory is his home, and his microscope his pet. Miraculous it is his optics do not grow askew as he stares into the lens for hours together at some frail creature scarce a ten-thousandth of an inch in length.

The biological is expected to spend all his spare moments at the side-windows of the lab., studying motion and energy in the racquet wielder, as he jumps about like some demented grasshopper. Perchance in the study of yeast, the student is dragged against his will to some suburban brewery, and there is forced to imbibe the vile lager in oceans, that he may fearlessly grope about the dark and gloomy cellars, or boldly face those dreadful mice that "eat the malt that lay in the house that"—"Pfaff" built.

By music is the student of Course VII. stirred to greater exertions. "Forever" and some more sweet vocal strains float through the lab. in thrilling waves from the most noted singers in frog and feline worlds.

The spirit of economy bids the dissector buy a quart of cream and stew the protoplasm of some hopeless gobbler, whose osseous frame is wanted.

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In his locality the Biological is instituted cat-police. Sonorous Toms—not fleet of foot or skilled in dodging bottles—he takes in charge, and transports to regions of ether. And now and then a poodle seeks to view the lab.; but long and rich must be his pedigree for him to leave it, save in the waste-barrel, piece by piece. In perfumes, too, the Biological Lab. goes far beyond; but comparisons are odorous, and I will not use them.

Occasionally a bevy of fair damsels, in visiting the Tech, wanders into the lab. and endeavors to dissuade the cruel wretches from killing that "poor dear cat." But all in vain, for science is inexorable; and though tears are shed, the death must be.

Life in Course VIII. is therefore hard and painful, and the poor student often feels sadly "cut up" as he performs his cruel work.

The Physicists.

Not very many men in Course VIII.? Well, no; but so much the better fun.

Yes; we do have about the same course as the Electricals, only we have a better time. Why, the Physical Lab. is the best place at the Institute to spend an afternoon. You have a fine view of the tennis courts, and from the front windows you can see every one who goes by. You don't know how restful it is for the eyes, after blinking through a microscope till you are dizzy, to look up and watch some fair damsel flit by.



The part I liked best, though, was photography. You know we have it with Mr. Pickering, and that's half the fun. At first the fellows spoil about a dozen plates apiece, and get off some fine remarks, such as, "Shall I show you the picture before I develop it?"

Well after awhile, I managed to get a fairly decent negative, and here's a print from it. It was a view in the Architectural drawing-room; but I had all the rest of the picture painted out, so as to leave just this one figure. By the way, I made my fortune on that pic-

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ture. Every man in the department bought at least one; and one fellow, I think his name begins with F. took two dozen.



I always liked to take portraits, but I cannot seem to get a good one. Now here is an instantaneous shot that I made one day during a lecture. It is not a good likeness, you see, for it does not look half smart enough. I was offered five dollars for the negative of that picture, but I could not bear to part with it.

When we went outdoors to take views, I went down to the Public Garden, to see if I could not get something artistic. The other fellows all took Trinity and the New Old South, as usual. Well, after wandering round for a while I at last saw my chance, and hurriedly setting up my camera, I got this view. They were so busy that I had plenty of time to focus, and they did not notice me at all. You could not ask for anything better.



It's time for me to go to English now, and I would not be late for anything; but if you will come around to my rooms to-night, I will show you some better pictures that I took this summer.

What's that you say about Physics?

Well, now, you can just wager "there's no bacteria on Course VIII."

The Generals.

To the Editors of the TECHNIQUE:—

I have but a few moments in which to reply to your questions about Course IX., but will do my best.

In the first place, you are entirely wrong as to the difficulty of the course. It is, in reality, the hardest of the nine, and this is shown by the

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small number of students who have the courage to enter it,—most of these, even, being specials.

The course is a combination of the other eight, with some extra work in English added.

We do not hang around in one room all day, doing a little work now and then, and a vast deal of talking all the while! No! we have to travel from the upper floor of Roger's to the roof of Kidder Building, and then, perhaps, to the shops. We draw tariff maps and genealogical tables; we illustrate our lectures upon the tops of the desks; and we all get honors. Night after night we go to the theater to study Shakespeare and Dixey,

until we often become so disgusted with the "*bustle and variety of the modern stage*," that we spend whole days reading the old Greek dramatists.

Our Laboratory of English has not as yet become a tangible reality, but we hope ere long to be able to carry on our researches and analyses in language and history with as great facilities, as even the Chemists can boast. There are to be several

hoods in the new "lab" to be used in experimenting with tariff and other dangerous subjects.

The greatest value to me, however, in the course has been its civilizing and refining effects. I send you my photograph as taken just before entering the "Tech.," and also another, just finished. Such is the effect of a correct system of education.

I hope that these few lines will answer your questions, and I only wish that you would not get off any jokes on me in this year's *TECHNIQUE*; for I intend to purchase six if you do not, and shall not buy one if you do.

Yours truly,

G. RIND.

NOTE.—We have not published any grinds on Mr. R.





THE flower of '89 — La Rose.

WHAT makes the butterfly? — Miller.

HISTORICAL Food — The Diet of Worms.

'89 has a co-ed. She is a fine-looking Dame.

A NEW remedy for dyspepsia — Papin's Digester.

PORT-OPENING is said to be a common thing at a C B₃A dinner.

WHY should '88 wear mourning? — Because she has lost her Runkle.

THE '88 Chemists have a Connor on the *Tech* writing paper; they go Merrell-y along.

Prof. H. — "What is a pyrometer?"

L-nz-e, '88. — "An instrument used to determine the value of π ."

Prof. S. — "What is the odontograph?"

Mr. T., '88. — "It is a machine used by dentists for extracting teeth."

Found on an examination paper. — "An annular wheel is one which revolves once in a year."

COULD you find Say-r's *eccentricity* if you knew his *angular advance*? Certainly it equals infinity.

WHY should Eighty-Eight be the most social class in the Institute? — Because it never meets without a good *Horn*.

AN '88 Electrical says the reason the Lieut. Greeley expedition proved a failure, was that the party became "*polarized*."

Prof. D. — "I should like to have Mr. B-w-i-ch draw a sketch of the increase of *tacks*. Show how the tariff of 1828 *sat on* the above branch of the iron industry."

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B-WD-CH is an '87, '88, and an '89 man, and expects after the "Semies" to be the only man in the Institute who can boast of being a member of every class in the college.

Prof. O. — "Translate 'Es waren Puppenkinder, gefiederten Hennen, und Moosgärtchen.'"

W-nd-tt, '88. — "There were little dolls, chicken-roosts and beer gardens."

Prof. Otis. — "Mr. du P-nt, translate, 'Wenn der Himmel hell ist so ist das Wetter in Boston gewöhnlich gut.'"

Du P-nt, '88. — "When heaven becomes hell, then will the weather be good in Boston."

Prof. O. — "Mr. Ch-n-y, please translate, 'Das gefiel denn auch den Englischen kinder.'"

Ch-n-y, '88. — "That pleased also the angelic children."

Prof. O. — "That is a very angelic translation, Mr. Ch-n-y."

Prof. D. — (On the tariff question). "Please find out before next recitation why Mary Ann Doosleberry Ticklepitcher changed to be a protectionist. You can find it in the *New York Clipper*, Jan. 15, 1810. Also in the history of her life, pages 25 to 560. Bring in a well-written report."

ONE of the Foot-ball team says it *Taintor* pleasant game to play, and it is *Goodhue* don't belong to the team, because you can't *Duane*-ything but *Vorce* yourself upon every *Ladd* you meet; and the *Tracy* leaves upon you is more than the *Devens* is worth; and when you try for goal it is apt to *Be(a)mis*, even when you *Hadley* expect it, and such a *Gross* mistake is enough (if the fellow be a Freshman) to make *Kim-ball*, especially if his *Dame* is in the Grand Stand.

DREAM FACES.

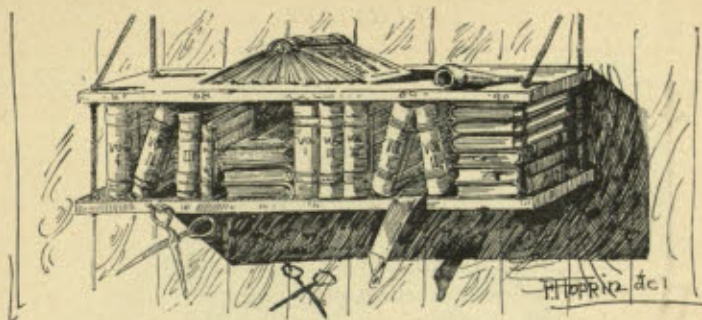
WHEN sometimes I've retired, oh! so tired,
I will dream of being mired, and then fired,
After some confounded hard exam.
Then before my weary eyes, in the guise
Of ghosts of every size, there will rise
Bits of all my studies, in a jam.

There's Mechanics, called Applied, at my side:
How its ghost will come and hide, and deride
All my efforts to eject him from my brain;
Forever with his *couples* in and out, all about,
He puts my sleepy *moments* all to rout, with a shout,
"Go it, cosine θ , once again."

Then with agony internal, quite infernal,
I perceive that fiend eternal, Isothermal,
With his sister Adi-batic on a tear.
There's the curve called hyperbolic on a frolic:
Only patience apostolic, or the colic,
Can with him at all compare.

The shade of Regnault, too, appears, all in tears;
While round him dance with jeers, and horrid leers,
Ten fiends, who feed him chestnuts burning hot.
He's eternally observing, without swerving,
While like snakes around him curving, so unnerving,
Are the lines he used to plot.

And so my poor disordered brain, once again
Sees in slumbers all the train oh! so plain,
Of things on which we're grinding at the Tech.
Big and little, large and small, one and all,
Press the fiends around me like a pall, till I crawl
Across the Common, just a wreck!



“Just from the Press.”

To the friends of the late H. O. B-n-n-y we are indebted for a copy of his “*How to be Late at Recitations.*” Seldom have we seen a more complete handbook upon any subject, and the author's long experience is shown by his method of *treating the subject*. The text is accompanied by many *cuts*, which illustrate the standard method of carrying cane, gloves, etc., while three steel engravings show the regulation smile perfectly. The Appendix is devoted to a graphic description of three of the author's most thrilling adventures with different professors, and contains many valuable hints. The volume is carefully bound in full calf, and may be had of the bookseller under the Berkeley.

“*How to See Boston: A Handbook for Freshmen.*” By E. P. Quigley, '88.—After a year and a half of practical experience the author retired from the Institute, and in his little cabin on the Western prairies, wrote the volume which lies before us. So great was the author's desire to depict truthfully the “Hub” as seen from the inside, that he was often absent from recitations a week at a time, and was regardless of F F's.

His chapters on the methods of applying red ochre are especially noteworthy. Bound in wine color, with gold edges.

Feeling the crying need among the Freshmen for some book which will enable them to select the right one of the nine courses offered by the Institute, Mr. B-w-d-tch, '88, has brought out his “*How to Do It; or, A Soft Snap,*” with introduction by F. C. T-dd, '87. Knowing the amount of time and labor put upon this subject by the authors, we do not hesitate to recommend it in the highest terms to the members of the class of '90, and hope that through its help they may be saved much of the suffering endured by previous classes. It may be obtained at the Coggswell Fountain, near the West Street entrance to the Common.

PAMPHLETS RECEIVED.

“*Cheek; or, The Architectural Department.*” 63 pp. By a Member.

“*What I Know about Electricity.*” (Large type.) 2. pp. A. W. Jones.



Rogues' Gallery—Architectural Department.

—
AH! THERE, T-SQUARE—RAH! RAH!! RAH!!!

—
“It lacks unity.”—*H. G. H.*

“Mr. Bidjelow here?”—*J. S-and-ck-r.*

“Architecturals' Ball.”—*W. L. D-rb-n.*

“Old clo's vit you like die papher on die vall.”—*K-ufm-n.*

“George Hatchet Washington.”—*“Biggie.”*

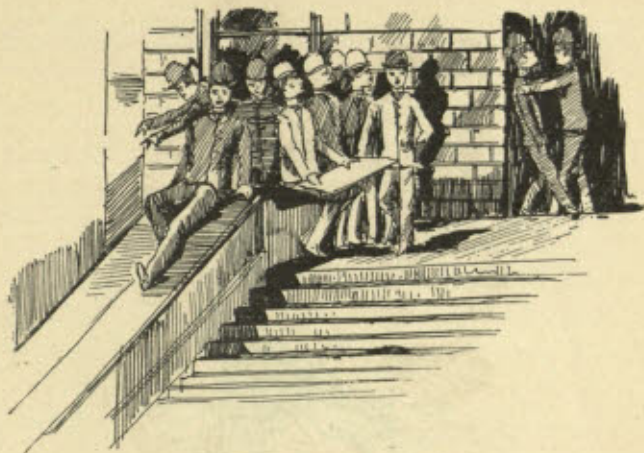
“I vants die Institoot deeshcount.”—*E-s-and-a-h.*

“Yes, Cupid calls oftener than he used to.”—Ask *“Eddie.”*

“Ven you again plays feetchballs, aint it?”—*D-ttr-ch.*

“It has dormers on it.”—*E. L.*

“It is said that two architects who are studying Geology, entered the Old Elm one night and procured *quartz* of *rhy-olite* and *lemon-ite* and *cider-ite* and other *g-neiss* things which a *dolomite*.



"THE HOME OF THE FRESH."

Echoes from the Reading-Room.

Prof. O. — "Mr. B., what is a parallelobiped?"

B. '90. — "It is an animal with two parallel legs."

THEY say we have a poet in the Freshman laboratory; he does the *Bard-well*.

"SAY, Fred., what is this *desecrated geometry* that the second-year men have?"

IN spite of W. P. A.'s religious lectures last year, the Freshmen are now under the dominion of the *Pope*.

"O WHAT a rush was there, my fellow-men! Then you and I and all of us fell down, and yelling Sophomores triumphed over us!" '90.

THE class of '90 has inaugurated a new system for carrying on Freshman meetings. When a man is nominated for any office, he is immediately called upon to rise and show himself; and the class, noticing his soft and verdant appearance, are assured that he is a Freshman, and the meeting then proceeds.

"THE LAY OF THE LAST MINSTREL."

LIVES there a boy with head so red,
Who never to himself has said,
"I wish my head would blacker be"?
And place himself beneath a tree
To watch the movements of a bee?
If such there be, go mark him well
When he his mournful tale doth tell
How red his hair; how sad his eye;
How he avoids the passer-by.
High though his collar, large his cane,
Boundless his cheek, as man can claim —
Despite his collar, cane, and cheek,
The wretch, through many a painful week,
Shunned by the maidens of his town,
And by his comrades shouted down,
Shall find through life nor rest nor peace;
And, gladly dying, seek release
From the vast train that made
His life but toil and pain.

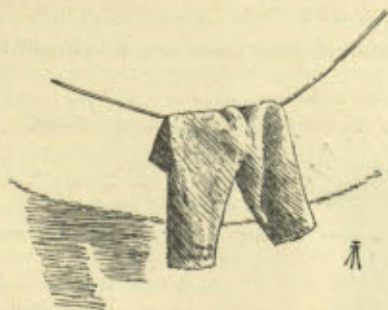
GREAT SCOTT.

: Quotations :

- "HAIL, new-waked atom!" — *Ha-d-u*, '90.
- "THE pen is mightier than the sword." — *J. P. M.*
- "A MAN he was to all the students *dear*." — *Ridler*.
- "MAN wants but little here below." — *J. P. B. F.*, '89.
- "NOR ceased he from study night or day." — *D-tt-n*, '88.
- "A BRACE of sinners for no good." — *M-tt and H-rn*, '88.
- "A DEAL of skimble skamble stuff." — *W. P. A.'s English*.
- "EARTH has not anything to show more fair." — *B-ld-in*, '88.
- "A LION among ladies is a most dreadful thing." — *Underhill*, '87.
- "THEN he will talk—good gods! how he will talk!" — *Sp-ld-ng*, '87.
- "As it fell upon a day
In the merry month of May." — *Physics Exam*.
- "ETERNAL smiles his emptiness betray,
As shallow streams run dimpling all the way." — *C-lby*, '88.
- "OUR armies swore terribly in Flanders, but nothing to this." —
C-bb, '88.
- "Two lovely berries moulded on a single stem." — *Co-nn-r and M-rr-ll*, '88.
- "A MAN who could make so vile a pun, would not scruple to pick a pocket." — *W-rr-n*, '88.

CLASS HONORS.

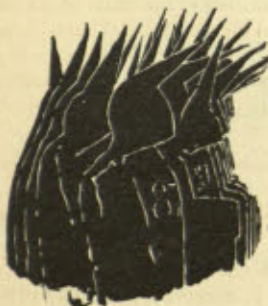
EACH class has its separate honors,
Of but one we intend to speak;
You will find the others recorded
Elsewhere in this *TECHNIQUE*.
'90 has only entered,
But it gets there just the same:
Below we give its portrait,
But we dare not give its name.



: A Midnight Trial :

IT was a dark and stormy evening in October. For three days an easterly storm had made the life of the people of Boston a constant burden, and on the evening in question, the sharp east wind drove the rain in blinding dashes into the faces of those whose lot it was to brave the storm.

As the hour of twelve was indicated by the electric dial in a neighboring pawn-shop, a crowd of muffled students turned quickly into one of the narrow streets in the vicinity of the Albany Depot, and hastened toward a doorway in one of the large brick storehouses to be found in that locality.



Entering, they ascended several flights of rickety stairs, and their shadowy forms flitted about in the demi-jour of a gloomy apartment, whose walls and furniture were of a dull black.

Coats were removed, and each member of the company donned a long black mantle, upon the breast of which was inscribed, in brilliant yellow, the number "87." A black mask completed the disguise; and while some of the members securely barred both door and windows, others brought forth a small table, upon which was a coil of rope and a naked dagger. Soon all were seated about the emblems of their secret order, and when all was again quiet the president arose and spoke as follows:—

TECHNIQUE.

"Fellow-Classmates, and Members of the Secret Order of '87:—

"It is now three years since we came together as Freshmen — three full years since, in our desire for fame, we made the solemn vows to use all our energy, individually and collectively, to bring into notice the class of '87. Still further, our oath bound us to use all our efforts to increase the glory of '87 as a class, and never to allow a thought of benefit to self to come into our plans.

"Brothers, one of our number has broken this solemn oath. He has basely used for his own ends a brilliant opportunity to bring forward the class of '87, and we will now hear his reply to the charge. Let the guilty one be brought forward."

The prisoner, who was none other than the notorious H. C. S——, came forward, between two guards, and the president said sternly:—

"You are charged with devising and using for your personal ends a scheme which, in your own words, is called 'The Techs in Mexico.'"

With these words the president produced a handbill bearing the fatal sentence, and held it toward the prisoner, who shrank back, a deadly pallor overspreading his countenance.

"What have you to say in defense of your atrocious crime?" continued the president. "Aztec(h)s and members of '87, we demand an explanation!"

"Honored president," began the prisoner, "one without a susceptible heart would look lightly upon my excuse, but such as it is I offer it to you. I have reason to believe that there is one who loves me." He bowed his head, but unnecessarily, for it was hardly light enough to see his blushes. "My work prevented me from seeing her as often as I could have wished, but to assure her of my constancy, each morning I wore a rose in my coat, that she might see it as I passed her window. Now, the variety which matched my,—my—" again the blushes were hidden by the darkness, and the prisoner, growing bolder, continued. "The variety which matches my whiskers is expensive, and seeing no way out of the difficulty, I fell under the temptation. I broke my oath, and benefited myself instead of advancing the glory of '87."

All recognized the gravity of the offense, and a deathlike stillness hung over the assembly.

At length a husky voice whispered, "Lynch him!" and a murmur of approval ran through the crowd.

The president arose and again addressed the meeting. "You are right," said he; "the severest of punishments is deserved. But the prisoner has confessed his crime, and we can appreciate the terrible power of the temptation which overwhelmed him. There is something which he values next, perhaps, to his life; and will it not satisfy you if these be taken?"

TECHNIQUE.

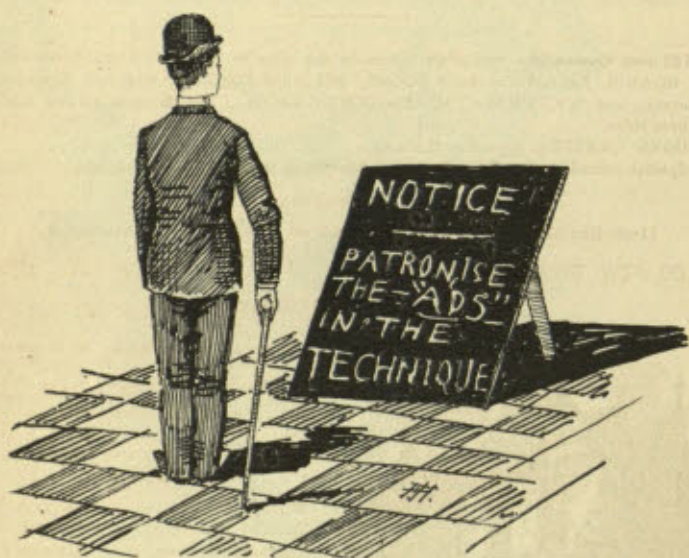
Consent to this was unanimously expressed, and the president called forth two executioners, who bound the prisoner securely in a chair. There was a stropping of razors and beating of lather, and the executioners, in Dixey's most approved style, soon laid the silken auburn whiskers in curly heaps upon the floor. Some carelessness had caused a scratch, from which the blood was oozing, but the president, remembering what the little *mädchen*, Elsbet, did under similar circumstances, said, "*Shorty streife du das Spinnweben von dem Zimmerdecke herunter.*" The application of this proved successful in stopping the flow, and the electricals brought forward appliances by which every root of hair was destroyed.



The object of the meeting was now accomplished; and after allowing the prisoner to gather up the remnants of his departed beauty, the shadowy forms descended the creaking stairs and disappeared, leaving the disgraced member to find his own way home. And he sighed, as he ran his hand over his smooth skin, for now no longer could he feel a titillation as the wind blew through his whiskers.







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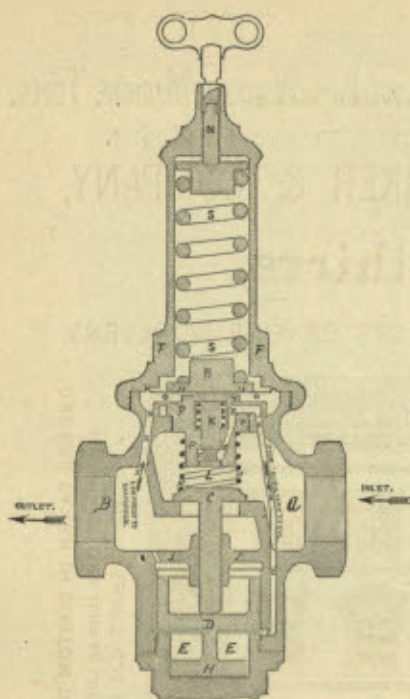
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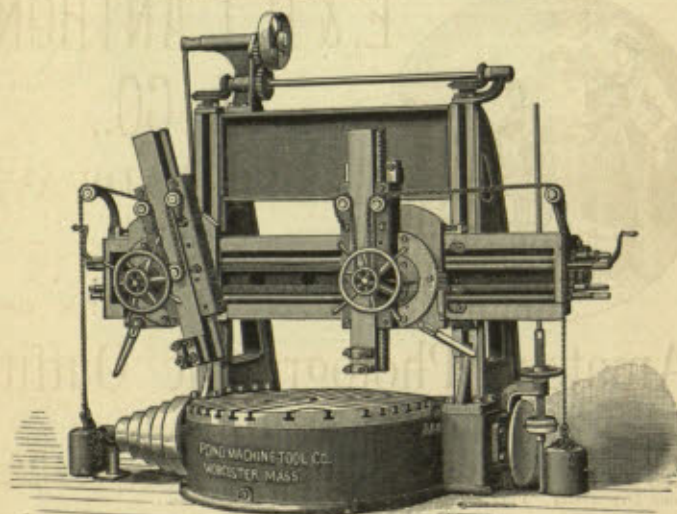
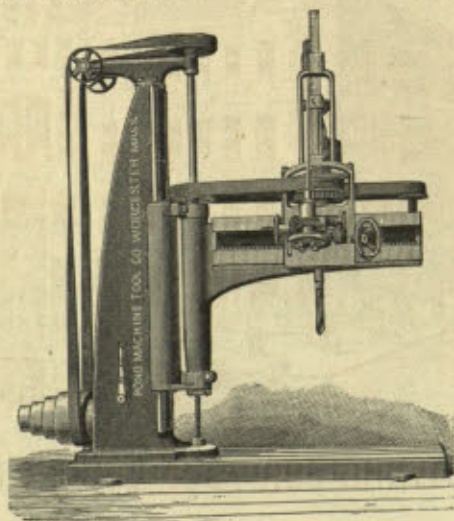
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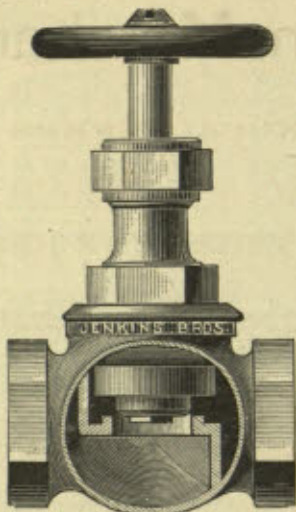
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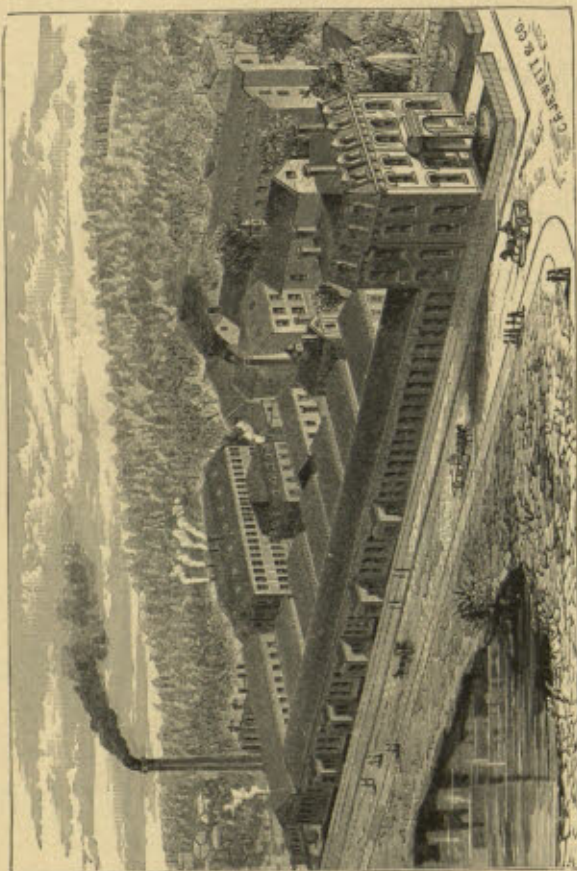
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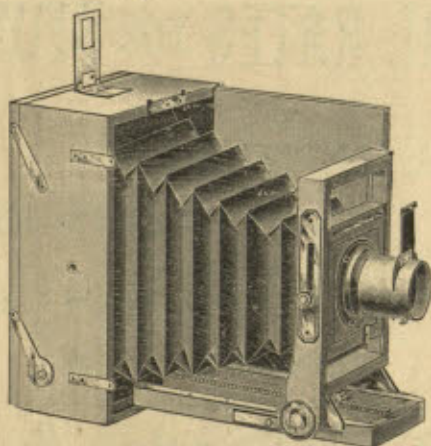
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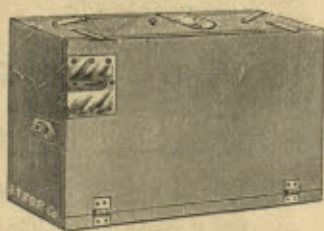
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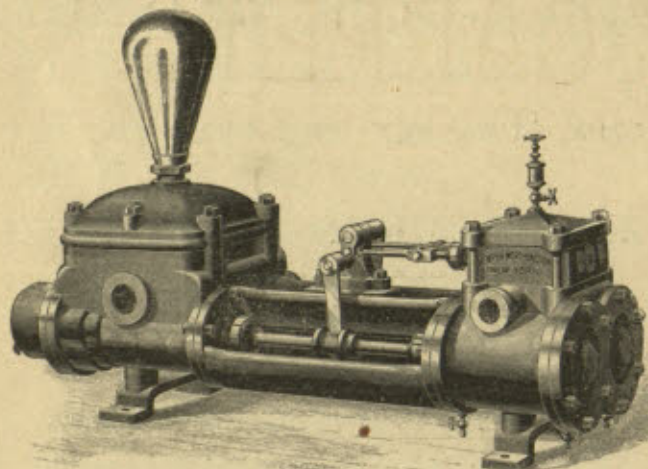
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