

OFFICIAL REGISTER

OF THE

Officers and Cadets

OF THE

U. S. MILITARY ACADEMY

West Point, N. Y.

JUNE, 1889.

BOARD OF VISITORS,

JUNE, 1889.

Appointed by the President of the United States.

1. General LEW WALLACE (*President*).....CRAWFORDSVILLE, INDIANA.
2. Rev. Dr. ARTHUR EDWARDS (*Secretary*).....CHICAGO, ILLINOIS.
3. Professor LEROY D. BROWN.....RENO, NEVADA.
4. Rev. Dr. B. W. CHIDLAW.CLEVES, OHIO.
5. Dr. NATHAN S. LINCOLN.WASHINGTON, D. C.
6. Professor C. M. PINKERTON.....PERRY, IOWA.
7. Captain CHAS. KING, U. S. A., retired.....MILWAUKEE, WISCONSIN.

Appointed by the President of the Senate.

- 8 Hon. CUSHMAN K. DAVIS.ST. PAUL, MINNESOTA.
9. Hon. JOHN W. DANIEL.....LYNCHBURGH, VIRGINIA.

Appointed by the Speaker of the House of Representatives.

10. * Hon. GEORGE W. STEELE.....MARION, INDIANA.
11. Hon. SAMUEL S. YODER.....LIMA, OHIO.
12. Hon. SAMUEL M. ROBERTSON.....BATON ROUGE, LOUISIANA.

* Not present.

UNITED STATES MILITARY ACADEMY,
WEST POINT, NEW YORK.

Superintendent.

*Colonel JOHN G. PARKE, Corps of Engineers,
Brevet Major General, U. S. A.

Military Staff.

1st Lieutenant WILLIAM C. BROWN, 1st Cavalry, *Adjutant.*

Captain WILLIAM F. SPURGIN, 21st Infantry, *Treasurer, and Quartermaster and Commissary of Cadets.*

Captain CHARLES W. WILLIAMS, Assistant Quartermaster, U. S. A., *Quartermaster of the Military Academy, Post Quartermaster, and Disbursing Officer.*

Captain DOUGLAS M. SCOTT, Commissary of Subsistence, U. S. A., *Post Commissary of Subsistence, and Post Treasurer.*

Major HENRY R. TILTON, Surgeon, U. S. A., *Post Surgeon.*

Captain WILLIAM L. KNEEDLER, Assistant Surgeon, U. S. A.

*Relinquished command of the Military Academy, and Post of West Point, June 24, 1889.

Academic Staff.

Professors whose service at the Academy, as Professor, exceeds 10 years, have the assimilated rank of Colonel, and all other Professors the assimilated rank of Lieutenant-Colonel.

DEPARTMENT OF NATURAL AND EXPERIMENTAL PHILOSOPHY.

Peter S. Michie,	Professor.	(14 Feb., 1871.)
1st Lieutenant SEDGWICK PRATT, 3rd Artillery,	} <i>Assistant Professor.</i>	
1st Lieutenant JAMES S. PETTIT, 1st Infantry,		
2d Lieutenant JOHN B. BELLINGER, 5th Cavalry,	} <i>Instructors.</i>	
1st Lieutenant WALLACE MOTT, 8th Infantry,		
	} <i>In Charge of Observatory and Astro- nomical Observations.</i>	

DEPARTMENT OF MODERN LANGUAGES.

George L. Andrews,	Professor.	(28 Feb., 1871.)
*1st Lieutenant EUGENE A. ELLIS, 8th Cavalry,	} <i>Assistant Professor of the French Lan- guage.</i>	
*1st Lieutenant JOHN R. TOTTEN, 4th Artillery,		
1st Lieutenant J. F. REYNOLDS LANDIS, 1st Cavalry,	} <i>Assistant Professor of the Spanish Lan- guage.</i>	
1st Lieutenant WARREN P. NEWCOMB, 5th Artillery,		
1st Lieutenant HENRY T. ALLEN, 2d Cavalry,	} <i>Instructors.</i>	
2d Lieutenant BENJAMIN ALVORD, 20th Infantry,		
2d Lieutenant WILLIAM W. FORSYTH, 6th Cavalry,		

DEPARTMENT OF DRAWING.

+Charles W. Larned,	Professor.	(25 July, 1876.)
1st Lieut. MONTGOMERY M. MACOMB, 4th Artillery,	} <i>Assistant Professor.</i>	
1st Lieutenant HAMILTON ROWAN, 2d Artillery,		
2d Lieutenant GEORGE H. CAMERON, 7th Cavalry,	} <i>Instructors.</i>	

*To be relieved from duty at the Military Academy, Aug. 28, 1889.

†Absent with leave since May 9, 1889. S. O. No. 95, A. G. O., April 24, 1889.

DEPARTMENT OF MATHEMATICS.

Edgar W. Bass,	Professor.	(17 April, 1878.
1st Lieutenant JOHN A. LUNDEEN, 4th Artillery,	} <i>Assistant Professor.</i>	
1st Lieutenant WRIGHT P. EDGERTON, 2d Artillery,		
1st Lieutenant CHARLES R. NOYES, 9th Infantry,	} <i>Instructors.</i>	
*1st Lieutenant HARRY TAYLOR, Corps of Engineers,		
1st Lieutenant HARRY C. BENSON, 4th Cavalry,		
1st Lieutenant ALFRED B. JACKSON, 9th Cavalry,		
2d Lieutenant HENRY C. HODGES, JR., 22d Infantry,		
2d Lieutenant SAMUEL D. FREEMAN, 10th Cavalry,		

DEPARTMENT OF CHEMISTRY, MINERALOGY, AND GEOLOGY.

Samuel E. Tillman,	Professor.	(21 Dec., 1880.
1st Lieutenant JOHN P. WISSER, 1st Artillery,	} <i>Assistant Professor.</i>	
1st Lieut. ERASMUS M. WEAVER, JR., 2d Artillery,		
†1st Lieutenant EUGENE J. SPENCER, Corps of Engineers,	} <i>Instructors.</i>	
2d Lieutenant WILLIAM F. FLYNN, 8th Cavalry,		

DEPARTMENT OF HISTORY, GEOGRAPHY, AND ETHICS.

William M. Postlethwaite, Chaplain,	Professor.	(21 Dec., 1881.
1st Lieutenant FRANK L. DODDS, 9th Infantry,	} <i>Assistant Professor.</i>	
2d Lieutenant FRANCIS J. KERNAN, 21st Infantry,		} <i>Instructor.</i>

DEPARTMENT OF LAW.

William Winthrop, Lieutenant-Colonel and Deputy Judge- Advocate General, U. S. A.,	Professor.	(28 Aug., 1886.
1st Lieutenant FRANK L. DODDS, 9th Infantry,	} <i>Instructors.</i>	(By assignment under Act of 6 June, 1874
2d Lieutenant FRANCIS J. KERNAN 21st Infantry,		

*Relieved from duty at the Military Academy, June 19, 1889.

†To be relieved from duty at the Military Academy, Aug. 28, 1889.

DEPARTMENT OF CIVIL AND MILITARY ENGINEERING.

James Mercur,	Professor.	(29 Sept., 1884.)
*1st Lieutenant GEORGE W. GOETHALS, Corps of Engineers,	} <i>Assistant Professor.</i>	
1st Lieutenant HARRY F. HODGES, Corps of Engineers,		
1st Lieutenant IRVING HALE, Corps of Engineers,	} <i>Instructors.</i>	

DEPARTMENT OF TACTICS.

Lieut. Col. Hamilton S. Hawkins, 23d Infantry,	} Commandant of Cadets and In- structor of Tactics. (1 Feb., '88.)	
Captain JOSEPH H. DORST, 4th Cavalry,		} <i>Senior Assistant Instructor of Cavalry</i> <i>Tactics.</i>
1st Lieutenant JOHN D. C. HOSKINS, 3d Artillery,	} <i>Senior Assistant Instructor of Artillery</i> <i>Tactics.</i>	
1st Lieutenant CHARLES J. CRANE, 24th Infantry,		} <i>Senior Assistant Instructor of Infantry</i> <i>Tactics. Commanding Company of</i> <i>Cadets.</i>
1st Lieutenant EDWARD E. HARDIN, 7th Infantry,	} <i>Assistant Instructor of Tactics. Com-</i> <i>manding Company of Cadets.</i>	
1st Lieut. WILLIAM W. GALBRAITH, 5th Artillery,		} <i>Assistant Instructor of Tactics. Com-</i> <i>manding Company of Cadets.</i>
1st Lieutenant JOHN A. JOHNSTON, 8th Cavalry,	} <i>Assistant Instructor of Tactics.</i>	
2d Lieutenant DANIEL L. TATE, 1st Cavalry,		} <i>Assistant Instructor of Tactics. Com-</i> <i>manding Company of Cadets.</i>

DEPARTMENT OF ORDNANCE AND GUNNERY.

Captain Henry Metcalfe, Ordnance Department,	} Instructor.	(28 Aug., '86.)
Captain ORIN B. MITCHAM, Ordnance Department,		
	} <i>Assistant Instructor.</i>	

DEPARTMENT OF PRACTICAL MILITARY ENGINEERING.

Captain George McC. Derby, Corps of Engineers,	} Instructor.	(4 Jan., '89.)
1st Lieutenant JOHN BIDDLE, Corps of Engineers,		
	} <i>Assistant Instructor.</i>	

Herman J. Koehler,	Master of the Sword.
Arthur A. Clappé,	Teacher of Music.

*To be relieved from duty at the Military Academy, Aug. 28, 1889.

CLASSIFICATION OF CADETS.

The Cadets are arranged in four distinct classes, corresponding with the four years of study. The Cadets employed on the first year's course constitute the **FOURTH CLASS**; those on the second year's course the **THIRD CLASS**; those on the third year's course the **SECOND CLASS**; and those on the fourth year's course the **FIRST CLASS**.

The academic year commences on the 1st of July. On, or before, that date the result of the examination held in the preceding month is announced and Cadets are advanced from one class to another. At no other time shall a Cadet be advanced from one class to another, unless prevented by sickness, or authorized absence, from attending at the aforesaid examination; in which case a special examination shall be granted him; but in no case shall a Cadet be advanced from one class to another without having passed a satisfactory examination by the Academic Board.

NOTE.—Names marked thus * are to be attached to the next Army Register, in conformity with a regulation for the government of the Military Academy, requiring the names of the most distinguished Cadets, not exceeding five in each class, to be reported for this purpose at each Annual Examination.

Cadets whose names are marked thus † were found deficient, and turned back, to join the next succeeding class.

Cadets whose names are marked thus ‡ were found deficient, and discharged.

CADETS

ARRANGED IN

Order of Merit in their Respective Classes,

AS DETERMINED AT THE

ANNUAL EXAMINATION

IN

JUNE, 1889.

FIRST CLASS—49 MEMBERS—GRADUATED JUNE 12, 1889.

Order of general merit.	Names.	State.		Date of Admission.	Age at date of Admission.		Order of merit in							Demerit for the 2 years ending May 31, 1889.
		Born in	Appointed from		Years.	Mos.	Civil & Military Engineering.							
							Law.	History.	Spanish.	Ordnance & Gunnery.	Discipline.			
*1	Winslow, Eben E.....	D. C.	Mass.	June 14, 1885	19	1	1	2	1	1	1	1	1	0
*2	D'Armit, Albert M.....	Pa.	Iowa.	Sept. 1, "	20	9	2	3	2	5	2	5	11	0
*3	Flagler, Clement A. F...	Ga.	Iowa.	June 14, "	17	9	4	7	4	4	3	27	85	0
*4	Harding, Chester.....	Miss.	Ala.	" "	18	5	3	19	27	24	14	4	10	0
*5	Harts, William W.....	Ill.	Ill.	Sept. 1, "	19	0	8	10	8	14	11	20	60	0
6	McGregor, Robert.....	Mich.	Mich.	June 14, "	20	5	5	11	21	33	9	1	0	0
7	Blake, Edmund M.....	S. C.	N. C.	" "	19	5	10	14	7	12	8	1	0	0
8	Martin, John T.....	O. C.	Ohio.	" "	19	5	7	12	6	21	4	1	0	0
9	Willcox, Francis W.....	Tenn.	Tenn.	" "	17	9	20	8	9	29	13	23	73	0
10	Ellis, Wilmot E.....	N. J.	N. J.	" "	17	9	22	6	10	11	16	34	201	0
11	Kenly, William L., Jr..	Md.	Md.	Sept. 1, "	21	6	9	35	48	19	22	18	57	0
12	Haan, William G.....	Ind.	Ind.	June 14, "	21	6	6	29	41	44	5	21	64	0
13	Jordan, Sidney S.....	N. J.	N. J.	Sept. 1, "	17	7	17	15	12	16	6	3	4	0
14	Bethel, Walter A.....	Ohio.	Ohio.	June 14, "	18	6	15	9	15	7	7	2	1	0
15	Sydenham, Alvin H.....	Iowa.	Neb.	Sept. 1, "	18	2	11	26	20	6	28	25	80	0
16	Johnson, Ben.....	Miss.	Miss.	June 14, "	19	1	13	30	32	45	12	19	58	0
17	Barroll, Morris K.....	Md.	Md.	" "	19	5	23	20	17	27	17	1	0	0
18	Harrison, Ralph.....	Mo.	Mo.	" "	19	2	21	4	13	15	18	22	67	0
19	Skerrett, Delamere.....	Ohio.	N. Y.	" "	19	4	14	31	22	30	15	35	211	0
20	McGlachlin, Edward F., Jr	Wis.	Wis.	" "	17	0	18	21	23	26	26	17	55	0
21	Campbell, Archibald....	Pa.	N. Y.	" "	19	10	45	45	16	9	25	30	106	0
22	Hains, John P.....	Pa.	At Large	" "	19	9	19	48	43	46	33	31	144	0
23	Lassiter, William.....	Va.	Va.	" "	17	8	25	5	11	10	10	28	89	0
24	Irwin, George LeR.....	Mich.	Ill.	Sept. 1, "	17	4	34	1	3	13	20	7	17	0
25	Hagadorn, Charles B....	N. Y.	N. Y.	June 14, "	19	3	12	38	47	41	36	13	43	0
26	Rhodes, Charles D.....	Ohio.	Ohio.	" "	20	4	41	23	19	22	27	1	0	0
27	Lee, Harry R.....	R. I.	R. I.	" "	19	2	35	27	25	8	40	14	46	0
28	Bookmiller, Edwin V....	Ohio.	Ohio.	" "	17	8	27	18	5	18	21	1	0	0
29	Piper, Alexander R....	N. Y.	Idaho	" "	20	3	28	37	46	43	23	7	17	0
30	Winston, Eddie T.....	Tenn.	Tenn.	(a) June 15, 1884	20	5	37	40	40	23	39	8	20	0
31	Wood, Winthrop S.....	D. C.	Me.	June 14, 1885	19	9	26	25	31	32	29	26	81	0
32	Langhorne, George T....	Ky.	Va.	Sept. 1, "	18	1	24	28	29	37	37	33	198	0
33	Kemp, Ulysses G.....	Ohio.	Ohio.	June 14, "	18	5	31	32	49	2	48	8	20	0
34	Peterson, Matt R.....	N. C.	N. C.	" "	18	10	40	17	18	25	24	3	4	0
35	Cole, Edwin T.....	Md.	Pa.	Sept. 1, "	19	1	29	24	24	28	19	10	23	0

(a) Absent with leave (sick) during Annual Examination, June, 1886, and not examined
Joined then Third Class, August 28, 1886.

FIRST CLASS—49 MEMBERS—GRADUATED JUNE 12, 1889.

Names.	State.		Date of Admission.	Age at date of Admission.		Order of merit in						Demerit for the 2 years ending May 31, 1889.
	Born in	Appointed from		Years.	Mos.	Civil & Military Engineering.						
						Law.	History.	Spanish.	Ordnance & Gunnery.	Discipline.		
Phillips, William A.	Texas.	Tenn.	Sept. 1, 1885	19	3	16	46	44	48	34	24	77
Taylor, John R. M.	D. C.	At Large	June 14, "	20	5	33	39	26	38	42	28	89
Kirkman, George W.	Texas.	Ill.	(a) June 15, 1884	17	4	36	16	14	20	41	36	312
Lacey, Francis E.	W. Va.	Mich.	June 14, 1885	17	3	38	13	37	40	31	19	58
Cloman, Sydney A.	Ohio.	Ohio.	" "	17	8	32	36	35	39	30	11	27
Crawford, Charles.	Ohio.	Kan.	" "	18	5	43	22	28	36	43	3	4
Graves, William S.	Texas.	Texas.	(b) June 15, 1884	19	2	30	42	38	42	32	7	17
Webster, Frank D.	Mo.	Mo.	June 14, 1885	18	9	47	49	45	35	46	9	21
Leitch, Joseph D.	Mich.	Neb.	(b) June 15, 1884	20	4	42	33	39	47	45	16	50
Burkhardt, Samuel, Jr. .	Ill.	Ill.	June 14, 1885	19	9	39	34	33	31	44	12	30
Normoyle, James E.	Mich.	Ill.	(b) June 15, 1884	18	3	46	47	42	34	38	6	14
Stockham, Edward V. . .	N. J.	N. J.	June 14, 1885	21	7	44	44	36	49	35	15	48
Barrios, Antonio.	Guatemala.	Guatemala.	(c) Mar. 26, 1884	18	2	48	43	30	3	49	32	184
Young, Charles.	Ky.	Ohio.	(b) June 15, 1884	20	1	Def	41	34	17	47	29	99

) Turned back to join then Fourth Class, January 18, 1886—S. O. No. 14, A. G. O., January 18, 1886.

) Turned back to join then Fourth Class, June 17, 1885—S. O. No. 138, A. G. O., June 17, 1885.

) Receiving instruction, under the provisions of a Joint Resolution of Congress, approved February 2, 1884. Turned back to join then Fourth Class, June 17, 1885.

) To remain at the Academy for the purpose of making up his deficiency in Engineering to the satisfaction of the Academic Board on or before Sept. 1, 1889—Letter, A. G. O., June, 24, 1889.

SECOND CLASS—56 MEMBERS.

Order of general merit.	Names.	State.		Date of Admission.	Age at date of Admission.		Order of merit in							Demerit for the year ending May 31, 1889.
		Born in	Appointed from		Years.	Mos.	Natural and Experimental Philosophy.				Tactics.	Drawing.	Discipline.	
							Chemistry.	Chemical Physics.	Mineralogy and Geology.					
*1	Jadwin, Edgar.....	Pa.	Pa.	July 1, 1886	20	10	1	2	1	4	4	5		
*2	Keller, Charles.....	N. Y.	N. Y.	" "	18	4	3	3	3	17	6	8		
*3	Bromwell, Charles S.....	Ky.	Ohio.	" "	17	2	2	1	30	26	2	2		
*4	Rennard, John C.....	Pa.	Pa.	" "	20	2	6	5	8	23	1	0		
*5	Deakye, Herbert.....	Del.	Del.	" "	18	6	8	6	2	29	1	0		
6	Johnson, William O.....	Ky.	Ky.	Sept. 1, "	20	6	4	8	21	19	1	0		
7	Hamilton, James.....	Ireland.	Mass.	July 1, "	19	7	11	4	5	54	1	0		
8	Ruggles, Colden P.H.....	Neb.	At Large	" "	17	3	5	7	16	53	1	0		
9	Todd, Henry D., Jr.....	N. Y.	Pa.	Sept. 1, "	20	0	7	15	26	16	1	0		
10	Winston, Thomas W....	Ill.	Ill.	July "	20	11	10	12	32	35	1	0		
11	Merillat, Alfred C.....	Ohio.	Ohio.	" "	19	9	15	10	7	47	3	4		
12	Krayenbuhl, Maurice G.	Minn.	Minn.	" "	18	6	13	9	28	46	14	23		
13	Montgomery, George....	Ireland.	N. Y.	" "	18	11	14	14	14	40	1	0		
14	Davis, Milton F.....	Minn.	Oreg.	" "	21	7	17	17	23	5	1	0		
15	Wallace, Robert B.....	Ill.	Mont. T.	" "	17	4	9	22	24	45	2	2		
16	Ketcham, Daniel W.....	Ind.	Ind.	" "	19	2	18	18	18	48	1	0		
17	Marshall, Francis C.....	Ill.	Wis.	" "	19	3	12	30	34	18	1	0		
18	Davis, William C.....	N. Y.	N. Y.	" "	20	1	19	16	45	31	9	12		
19	Lindsay, James R.....	Ill.	Ill.	Sept. 1, "	21	0	16	35	11	27	1	0		
20	Sladen, Fred W.....	Mass.	Neb.	(a) June 14, 1885	17	6	22	29	6	3	1	0		
21	Snow, William J.....	N. Y.	N. J.	July 1, 1886	17	6	34	13	12	13	1	0		
22	Mauldin, Frank G.....	S. C.	S. C.	" "	21	10	25	23	10	32	1	0		
23	Hearn, Clint C.....	Texas.	Texas.	" "	20	3	20	34	27	10	1	0		
24	Powell, Hiram McL.....	Ala.	Ala.	" "	18	7	21	19	44	6	21	79		
25	Gatley, George G.....	Me.	Me.	Sept. 1, "	17	11	30	21	13	8	1	0		
26	McNair, William S.....	Mich.	Mich.	July 1, "	17	9	23	33	29	11	1	0		
27	Hornbrook, James J....	Ind.	Ind.	Sept. 1, "	18	0	35	11	39	44	8	10		
28	Andrews, James M.....	N. Y.	N. Y.	July 1, "	18	2	28	24	42	7	18	36		
29	Ryan, James A.....	Conn.	Conn.	" "	18	8	29	28	9	36	5	0		
30	Lamoreux, Thomas B...	Mich.	Mich.	" "	19	10	31	31	38	20	1	0		
31	Jones, Samuel G., Jr....	Ala.	Ala.	" "	20	7	32	20	54	39	11	17		
32	Bandholtz, Harry H....	Mich.	Mich.	" "	21	6	40	25	22	2	7	9		
33	Ferguson, Henry T.....	Wis.	Pa.	" "	17	10	24	43	43	22	1	0		
34	Brown, George M.....	Mo.	Mo.	" "	19	9	27	40	48	12	15	27		
35	Clark, William F.....	Ind.	Minn.	(b) June 14, 1885	20	3	26	42	50	33	3	4		

(a) Turned back to join then Third Class, January 24, 1888—S. O. No. 19, A. G. O., January 24, 1888.

(b) Turned back to join then Fourth Class, January 24, 1887—S. O. No. 19, A. G. O., January 24, 1887.

SECOND CLASS—56 MEMBERS.

Names.	State.		Date of Admission.	Age at date of Admission.		Order of merit in						Demerit for the year ending May 31, 1889.
	Born in	Appointed from		Years.	Mos.	Natural and Experimental Philosophy.	Chemistry, Chemical Physics, Mineralogy and Geology.	Tactics.	Drawing.	Discipline.		
3 Caldwell, Frank M.	N. Y.	Wis.	July 1, 1886	19	7	42	26	17	21	17	34	
7 Wholley, John H.	Mass.	Mass.	(a) Sept. 1, 1885	17	7	33	36	46	28	10	13	
8 Murray, Peter.	Cal.	Cal.	July 1, 1886	19	2	36	39	19	30	1	0	
9 Learnard, Henry G.	Mo.	Mich.	Sept. 1, "	19	0	37	37	15	51	1	0	
0 Uline, Willis.	Mo.	Ind.	July 1, "	20	9	41	27	47	42	1	0	
1 Moore, George D.	Ill.	Ill.	" "	18	9	47	32	49	1	20	76	
2 Symmonds, Charles J. ...	Mich.	Wis.	" "	19	8	38	52	53	14	1	0	
3 Fleming, Lawrence J. ...	Ga.	Ga.	" "	18	5	43	38	40	38	13	21	
4 Wolf, Paul A.	Ill.	Ill.	" "	17	6	48	41	35	43	3	4	
5 Lyon, Henry G.	N. Y.	N. Y.	" "	21	2	50	47	37	15	12	18	
6 Swain, Hugh.	Texas.	Texas.	" "	19	5	46	46	36	41	16	30	
7 Gose, Ernest B.	Ill.	Ill.	" "	17	7	51	50	25	24	1	0	
8 Clark, Charles C.	Pa.	Pa.	Sept. 1, "	19	9	45	48	41	52	6	8	
9 Meyer, Oren B.	Texas.	Ohio.	July 1, "	17	0	39	45	31	49	24	118	
0 Keech, Frank B.	Md.	Md.	" "	20	5	52	44	20	50	19	53	
Rowell, Melvin W.	Me.	Mass.	" "	18	0	44	51	52	9	22	95	
Caldwell, Vernon A.	Mo.	Ind.	" "	19	11	49	49	51	34	17	34	
Fox, Joseph C.	Pa.	Pa.	" "	19	2	53	53	33	25	1	0	
Butts, Edmund L.	Minn.	Minn.	" "	17	10	54	54	4	37	23	101	
Guyer, George D.	N. Y.	N. Y.	Sept. 1, "	20	1	...	...	...	...	...	7
Nottingham, William K. Va.	Va.	Va.	July 1, "	21	0	...	...	...	...	...	24

Turned back to join then Fourth Class, January 24, 1887—S. O. No. 19, A. G. O., January 24, 1887.

Not examined—Absent with leave (sick) during Annual Examination, June, 1889.

THIRD CLASS—69 MEMBERS.

Order of general merit.	Names.	State.		Date of Admission.	Age at date of Admission.		Order of merit in				
		Born in	Appointed from		Years.	Mos.	Mathematics.	French.	Drawing.	Discipline.	Demerit for the year ending May 31, 1889.
*1	Cosby, Spencer.....	Md.	At Large	June 16, 1887	19	8	2	1	13	8	11
*2	Sewell, John S.	Tenn.	Ky.	" "	18	5	3	5	19	1	0
*3	McIndoe, James F.	Md.	Md.	" "	19	4	4	4	18	1	0
*4	Echols, Charles P.	Ala.	Ala.	" "	19	9	1	2	9	28	74
*5	Morrow, Jay J.	W. Va.	Pa.	" "	17	3	5	11	2	25	63
6	Clark, Hollis C.	Ill.	N. Y.	(a) July 1, 1886	18	9	10	10	25	1	0
7	Lyon, LeRoy S.	Va.	Va.	June 16, 1887	20	8	7	20	14	16	35
8	Hine, Charles DeL.	Va.	Va.	(b) July 1, 1886	19	3	12	3	41	1	0
9	Horney, Odus C.	Ill.	Ohio.	June 16, 1887	20	8	6	31	7	15	33
10	Bennet, John B.	N. J.	Col.	(c) July 1, 1886	20	6	14	19	16	1	0
11	Hero, Andrew, Jr.	La.	La.	June 16, 1887	18	6	8	16	3	34	102
12	Corcoran, Thomas M.	Mass.	Mass.	(c) July 1, 1886	17	7	18	6	30	5	4
13	Horn, Tiemann N.	N. Y.	N. J.	June 16, 1887	19	4	20	15	12	4	3
14	Smith, Harry A.	Kan.	Kan.	(d) Sept. 1, 1886	20	2	13	32	20	1	0
15	Frazier, Joseph.	Mo.	Mo.	(e) July 1, "	21	6	15	21	31	9	12
16	Glasgow, William J.	Mo.	Mo.	Sept. 1, 1887	21	3	11	44	17	1	0
17	Murphy, Truman O.	Ohio.	Ohio.	June 16, "	19	8	9	35	32	24	58
18	White, George P.	Minn.	Iowa.	" "	21	8	21	24	29	6	8
19	Anderson, Edward D.	Tenn.	Tenn.	" "	19	4	17	27	46	1	0
20	Furlong, John W.	N. J.	Pa.	" "	17	6	34	8	15	1	0
21	Fuller, Lawson M.	Wis.	Wis.	" "	21	3	28	30	6	1	0
22	Bush, Ross L.	Ill.	Ill.	" "	19	7	25	42	11	1	0
23	Voorhies, Gordon.	Ky.	Ky.	(d) July 1, 1886	17	7	22	18	43	23	57
24	Livermore, Richard L.	N. Y.	N. J.	June 16, 1887	17	7	16	36	35	27	68
25	Heavey, John W.	Ill.	Ill.	(a) Sept. 1, 1886	19	6	24	33	42	1	0
26	Fleming, Robert J.	Ireland.	Mich.	June 16, 1887	19	0	19	9	65	32	87
27	Cordray, David P.	Ohio.	Ohio.	(c) July 1, 1886	20	11	30	58	1	5	4
28	Hirsch, Harry J.	Pa.	Pa.	June 16, 1887	19	5	26	34	48	13	27
29	Crabbs, Joseph T.	Ind.	Ill.	Sept. 1, "	19	4	38	39	4	1	0
30	Winans, Edwin B., Jr.	Mich.	Mich.	June 16, "	17	7	36	22	44	1	0
31	Howard, Harold P.	Minn.	Minn.	" "	20	6	44	12	38	7	10
32	Armstrong, Frank S.	Ind.	Ind.	" "	18	6	32	52	24	1	0
33	Osborne, William H.	Pa.	Pa.	" "	17	4	31	59	10	11	16
34	Upton, LaRoy S.	Mich.	Mich.	" "	17	8	29	56	22	17	38
35	Lindsley, Elmer.	N. Y.	N. Y.	" "	20	7	27	37	62	22	53

(a) Turned back to join then Fourth Class, June 15, 1887—S. O. No. 137, A. G. O., June 15, 1887.

(b) Not examined. Absent with leave from January 27, 1888, to July 1, 1888—S. O. No. 19, A. G. O., January 24, 1888. Joined then Third Class.

(c) Turned back to join then Fourth Class, January 24, 1888—S. O. No. 19, A. G. O., January 24, 1888.

(d) Turned back to join then Third Class, June 22, 1888—S. O. No. 144, A. G. O., June 22, 1888.

(e) Absent with leave (sick) from October 13, 1888, to January 7, 1889—S. O. No. 237, A. G.

THIRD CLASS—69 MEMBERS.

Order of general merit.	Names.	State.		Date of Admission.	Age at date of Admission.		Order of merit in				Demerit for the year ending May 31, 1889.
		Born in	Appointed from		Years.	Mos.	Mathematics.	French.	Drawing.	Discipline.	
36	Wahl, Lutz.....	Wis.	Wis.	June 16, 1887	17	7	33	57	28	1	0
37	Donovan, Joseph L.....	Ky.	Ky.	Sept. 1, "	21	6	41	17	45	20	48
38	Scherer, Louis C.....	Minn.	Minn.	" "	19	8	35	25	36	34	102
39	Jarvis, Melville S.....	W. Va.	W. Va.	June 16, "	19	0	42	23	51	13	27
40	Bertsch, William H.....	Mich.	Mich.	" "	18	5	39	46	5	29	79
41	Ogden, Charles C.....	Ind.	Ill.	" "	18	5	37	41	56	1	0
42	Johnston, William T....	Pa.	Mo.	" "	21	10	23	49	54	38	143
43	Smith, Guy B.....	Mich.	Md.	" "	17	6	48	50	8	12	18
44	Royden, Herbert N.....	Conn.	Conn.	" "	18	6	40	64	21	6	8
45	Saffarrans, George C....	Tenn.	Ky.	" "	17	10	58	29	23	1	0
46	Jackson, William P.....	Mo.	Mo.	Sept. 1, "	19	7	55	14	63	2	1
47	Williams, Herbert O....	Miss.	Miss.	June 16, "	20	10	46	51	39	1	0
48	Lafitte, James L.....	La.	La.	(a) Sept. 1, 1886	17	1	64	13	26	10	13
49	Hamilton, Robert L.....	W. Va.	W. Va.	June 16, 1887	20	5	54	43	27	1	0
50	Malony, Charles H.....	Ohio.	Ohio	" "	21	1	56	7	55	26	67
51	Schoeffel, Francis H..	N. Y.	N. Y.	" "	19	6	57	26	33	29	79
52	Hines, John L.....	W. Va.	W. Va.	Sept. 1, "	19	3	43	60	57	13	27
53	Grote, William F.....	Ill.	Ill.	July 1, "	19	3	51	63	34	1	0
54	Settle, Douglas.....	N. C.	N. C.	June 16, "	18	8	45	45	59	33	90
55	Jenks, Isaac C.....	Mass.	Mass.	" "	20	4	50	55	60	3	2
56	Bradley, John J.....	Ill.	Ill.	" "	18	1	62	28	47	14	29
57	Whitman, Walter M....	N. Y.	N. Y.	Sept. 1, "	18	5	59	38	37	19	45
58	Pierce, Palmer E.....	Ill.	Iowa.	June 16, "	21	7	53	47	52	18	44
59	Chapman, William H. H.	Wis.	Wis.	" "	20	9	49	62	49	21	50
60	Crowley, Matthias.....	Ireland.	N. Y.	Sept. 1, "	19	7	52	61	61	1	0
61	Donworth, Albert B....	Me.	Me.	June 16, "	20	2	47	53	64	31	85
62	Drew, Alfred W.....	Texas	Texas.	" "	20	1	60	48	50	30	83
63	Switzer, John S.....	Pa.	Pa.	" "	20	5	63	40	53	35	103
64	Ely, Hanson E.....	Iowa.	Iowa.	" "	19	6	61	65	40	36	105
65	Sorley, Lewis S.....	England.	Texas.	" "	20	2	65	54	58	37	132
b	Davison, Peter W.....	Wis.	Wis.	" "	18	1					36
b	Mearns, Robert W.....	Pa.	Pa.	" "	20	11					8
c	Pipes, Henry A.....	La.	La.	" "	18	5					0
c	Swezey, Claude B.....	Ind.	Kan.	" "	18	9					0

(a) Turned back to join then Fourth Class, June 15, 1887—S. O. No. 137, A. G. O., June 15, 1887.
 (b) Not examined. Absent with leave (sick) during Annual Examination, June, 1889.
 (c) Not examined. Absent with leave during Annual Examination, June, 1889.

FOURTH CLASS—89 MEMBERS.

Order of general merit.	Names.		State.		Date of Admission.	Age at date of Admission.		Order of merit in				Demerit for the year ending May 31, 1889.
			Born in	Appointed from		Years.	Mos.	Mathematics.	English.	French.	Discipline.	
*1	Cavanaugh, James B....	Ill.	Wash. T.	June 16, 1888	19	0	3	1	10	4	3	
*2	Jervey, James P.....	Va.	Ga.	" "	18	7	5	4	1	5	4	
*3	Walker, Kirby.....	Ohio.	Ohio.	(a) " 1887	20	4	7	2	2	1	0	
*4	Blakely, George.....	Pa.	Pa.	" 1888	17	11	4	3	3	12	18	
*5	Coe, Frank W..	Kan.	Kan.	Sept. 1, "	17	9	1	8	23	1	0	
6	Shipton, James A.....	Ohio.	Ohio.	June 16, "	21	3	8	5	27	6	6	
7	Harris, Frank E.....	Poland.	Iowa.	" "	19	5	2	26	16	7	7	
8	Whitney, Henry H.....	Pa.	Pa.	" "	21	5	12	6	13	8	8	
9	Hoffer, Jay E.....	Pa.	Pa.	Sept. 1, "	18	9	6	21	25	5	4	
10	Leary, Edmund M.....	Mass.	Me.	June 16, "	21	6	9	19	18	26	44	
11	Summerall, Charles P..	Fla.	Fla.	" "	21	3	24	7	19	3	2	
12	Arnold, Samuel B.....	N. Y.	N. Y.	Sept. 1, "	21	0	28	12	12	1	0	
13	Wilcox, Frank A.....	Mass.	Mass.	(a) " 1887	18	7	10	38	20	19	27	
14	Chase, Arthur.....	Iowa.	Iowa.	June 16, 1888	21	8	13	17	17	30	59	
15	Smith, William R.....	Tenn.	Tenn.	" "	20	2	11	13	6	11	17	
16	Kephart, Samuel A.....	Pa.	Pa.	" "	19	7	18	22	15	22	39	
17	Davis, Alexander M..	R. I.	At Large	(b) " 1887	18	9	17	30	8	23	40	
18	Adams, Sterling P.....	Ala.	Ala.	(b) Sept. 1, "	21	7	15	49	21	1	0	
19	Conrad, Julius T.....	W.Va.	At Large	(b) " "	18	9	21	35	7	16	22	
20	Blanchard, Sawyer.....	N. H.	N. H.	" 1888	18	5	25	18	26	14	20	
21	Burgess, Louis R.....	Wis.	Iowa.	June 16, "	17	2	14	43	41	1	0	
22	Morton, Kenneth.....	Mass.	Mass.	" "	19	2	19	42	28	1	0	
23	Dickson, Tracy C.....	Iowa.	Texas.	" "	19	8	32	25	11	1	0	
24	Palmer, John McA.....	Ill.	At Large	" "	18	1	22	27	36	15	21	
25	O'Connell, John J.....	Ohio.	Ohio.	" "	17	4	27	20	39	15	21	
26	Barnhardt, George C...	N. C.	N. C.	" "	19	5	23	47	30	1	0	
27	Reeve, Horace M.....	Tenn.	Tenn.	Sept. 1, "	19	6	30	23	31	19	27	
28	Threlkeld, Hansford L.	Ky.	Ky.	(c) June 16, 1887	19	3	26	53	5	17	24	
29	Carter, William A.....	Va.	N. C.	(a) " "	17	4	16	15	14	43	139	
30	Newman, William.....	Tenn.	Tenn.	" 1888	21	5	37	46	6	1	0	
31	Jameson, Charles C.....	Vt.	Vt.	" "	21	7	36	10	62	3	2	
32	Chamberlaine, William.	Va.	Va.	" "	17	3	39	29	33	9	10	
33	Fitz Gerald, William G.	N. Y.	N. Y.	Sept. 1 "	18	4	33	11	9	40	107	
34	Kirkpatrick, George W.	S. C.	S. C.	June 16, "	17	6	42	31	4	24	41	
35	Lindsey, Julian R.....	Ga.	Ga.	" "	17	3	31	44	38	15	21	

(a) Turned back to join then Fourth Class, June 22, 1888—S. O. No. 144, A. G. O., June 22, 1888.

(b) Turned back to join then Fourth Class, January 12, 1889—S. O. No. 10, A. G. O., January 12, 1889.

(c) Absent with leave (sick) from December 25, 1888, to February 15, 1889—S. O. No. 7, A. G. O., January 9, 1889—Turned back to join then Fourth Class, February 15, 1889.

FOURTH CLASS—89 MEMBERS.

Order of general merit.	Names.	State.		Date of Admission.	Age at date of Admission.		Order of merit in				Demerit for the year ending May 31, 1889.
		Born in	Appointed from		Years.	Mos.	Mathematics.	English.	French.	Discipline.	
36	Reeves, James H.	Ala.	Ala.	Sept. 1, 1888	17	11	29	39	58	13	19
37	Gleason, Willard E.	Ohio.	Ohio.	June 16, "	21	0	38	24	50	17	24
38	Cole, Henry G.	Ga.	Ga.	" "	19	1	56	16	22	1	0
39	Hickok, Howard R.	Mo.	Mo.	" "	17	6	40	37	55	1	0
40	Laubach, Howard L.	Pa.	Ind.	" "	17	9	41	48	43	1	0
41	Lewis, Frederick N.	N. Y.	N. Y.	Sept. 1, "	19	4	34	54	24	29	54
42	Haney, William W.	Mo.	Ark.	June 16, "	17	2	50	36	32	18	25
43	Rutherford, Samuel McP.	Pa.	Pa.	" "	18	9	51	45	45	1	0
44	Yates, William.	S. C.	Ga.	" "	17	8	45	34	54	27	46
45	Davis, William D.	Mich.	Mo.	" "	19	3	35	65	57	21	31
46	Stokes, Marcus B.	S. C.	S. C.	" "	20	6	53	51	48	1	0
47	McMaster, George H.	S. C.	S. C.	" "	19	0	64	32	42	1	0
48	Stetson, Frederic T.	Minn.	N. Y.	Sept. 1, "	19	9	43	41	56	32	64
49	James, Harry L.	Wis.	Wis.	(a) June 16, 1887	19	0	48	57	70	2	1
50	Weeks, George McD.	Mo.	Ariz.	" 1888	17	7	54	52	29	28	49
51	Norman, Traber.	Mo.	Mo.	" "	18	6	46	33	35	41	129
52	Prince, Leonard M.	Ill.	Ill.	" "	21	1	52	28	52	38	98
53	Michie, Dennis M.	N. Y.	N. Y.	Sept. 1, "	18	4	49	78	63	1	0
54	Miller, John K.	Pa.	Pa.	June 16, "	19	2	57	61	49	12	18
55	Park, Robert E.	Ala.	Ga.	" "	20	6	60	50	71	1	0
56	Moore, James T.	Conn.	Mich.	" "	20	8	68	56	40	1	0
57	Parker, John H.	Mo.	Mo.	" "	21	8	65	14	59	33	80
58	Anderson, William H.	Ohio.	Ohio.	" "	17	1	44	75	69	23	40
59	Johnston, Frank, Jr.	Miss.	Miss.	Sept. 1, "	18	1	55	40	51	37	96
60	Hambright, Horace G.	Tenn.	Tenn.	June 16, "	18	8	66	55	65	1	0
61	Erwin, Isaac.	Fla.	Fla.	" "	21	3	69	58	53	1	0
62	Harison, George S.	N. Y.	N. J.	" "	19	7	47	67	73	31	60
63	Calvert, Edward Y.	Ky.	Ky.	" "	17	7	63	71	64	36	92
64	Ham, Samuel V.	Ind.	Ind.	" "	20	5	58	76	68	39	106
65	Saville, Mathew E.	Mo.	Mo.	" "	19	1	59	74	66	46	173
†	Athey, Wiley L.	Miss.	Miss.	" "	18	10	Def	Def	47	45	165
†	Earle, Baylis H.	S. C.	S. C.	" "	18	3	Def	68	44	20	29
†	Ferguson, Milton J.	W. Va.	W. Va.	" "	18	11	61	77	Def	17	24
†	Gardner, Dudley W.	Ky.	Ky.	" "	19	0	Def	70	Def	35	86
†	Hinshaw, Bright B.	Cal.	Cal.	" "	20	0	62	63	Def	1	0

(a) Absent with leave (sick) during Annual Examination, June 1888, and not examined. Joined then Fourth Class, August 1, 1888.

§ Discharged by reason of having been declared by the medical examining board to be physically disqualified for military service—S. O. No. 146, A. G. O., June 25, 1889.

FOURTH CLASS—89 MEMBERS.

Order of general merit.	Names.	State.		Date of Admission.	Age at date of Admission.		Order of merit in				Demerit for the year ending May 31, 1889.
		Born in	Appointed from		Years.	Mos.	Mathematics.	English.	French.	Discipline.	
†	Kelby, Charles H.	N. Y.	N. Y.	June 16, 1888	17	10	67	Def	37	42	136
†	Kellogg, Donald W.	Ohio.	Kan.	“ “	21	6	Def	73	Def	9	10
†	Martin, James N., Jr. ...	Iowa.	Iowa.	Sept. 1, “	17	6	Def	60	Def	22	39
†	McMullen, Cassius W. ...	Ind.	Ind.	June 16, “	18	7	Def	Def	Def	8	8
†	Orr, Charles T.	Ohio.	Kan.	“ “	19	4	Def	72	Def	25	43
†	Read, Beverly A.	Texas.	Texas.	“ “	17	5	Def	66	60	34	81
†	Sayer, Albert D.	Mass.	N. Y.	“ “	20	8	Def	9	34	5	4
†	Towery, John I.	Ark.	Ark.	“ “	20	11	Def	69	67	44	150
†	Walker, Kenzie W.	Texas.	Texas.	“ “	17	5	20	62	Def	10	16
g	Woodward, John E.	Vt.	Vt.	“ “	18	0	Def	59	72	1	0
-	Harden, Joseph S.	S. C.	S. C.	“ “	20	2	Not Ex.	64	46	1	0
e	Carey, Edward C.	N. M.	N. M.	“ “	17	1	..	..	..	..	123
c	Lazelle, Jacob H. G.	Md.	At Large	(a) “ 1887	20	5	..	..	..	..	68
e	Miller, Charles D.	S. C.	S. C.	“ “ 1888	18	7	..	..	..	..	77
d	Palmer, Henry H.	N. Y.	N. Y.	(b) “ 1887	17	7	..	..	..	..	119
e	Reagan, Jefferson D. ...	Texas.	Texas.	“ “ 1888	18	4	..	..	..	..	56
e	Spence, Robert E. L. ...	Ga.	Ga.	“ “	19	10	..	..	..	..	71
e	Stone, Harry C.	N. Y.	N. Y.	Sept. 1, “	19	0	..	..	..	..	17
f	Washburn, Alva C.	Ill.	Ind.	June 16, “	21	10	..	..	..	..	34

- (a) Turned back to Join then Fourth Class, January 12, 1889—S. O. No. 10, A. G. O., January 12, 1889.
- (c) Not examined. Absent with leave from January 26, 1889, to June 20, 1889—S. O. No. 20, A. G. O., January 24, 1889—then to join the Third Class.
- (b) Turned back to join then Fourth Class, August 27, 1888—S. O. No. 198, A. G. O., August 27, 1888.
- (d) Not examined. Absent with leave (sick) from April 24, 1889, to August 28, 1889,, when he will be authorized to go on with his class, provided he is found qualified at a special examination, to which he will be subjected on that date. S. O. No. 93, A. G. O., April 22, 1889.
- (e) Not examined. Absent with leave (sick) during Annual Examination, June, 1889.
- (f) Not examined. Absent with leave during Annual Examination, June, 1889.
- (g) To remain at the Academy for the purpose of making up his deficiency in Mathematics to the satisfaction of the Academic Board, on or before September 1, 1889. Letter A. G. O., June 24, 1889.

CADETS ADMITTED SEPTEMBER 1, 1888.

Number.	Names.	State.		Date of Admission.	Age at Date of Admission.	
		Born in	Appointed from		Years.	Mos.
1	Arnold, Samuel Benjamin....	N. Y.	N. Y.	..Sept. 1..	21	0
2	Blanchard, Sawyer.....	N. H.	N. H.	..Sept. 1..	18	5
3	Coe, Frank Winston.....	Kan.	Kan.	..Sept. 1..	17	9
4	Fitz Gerald, William Gerald..	N. Y.	N. Y.	..Sept. 1..	18	4
5	Hardy, Thomas West.....	Cal.	Cal.	..Sept. 1..	19	7
6	Hoffer, Jay Edgar.....	Pa.	Pa.	..Sept. 1..	18	9
7	Johnston, Frank, Jr.....	Miss.	Miss.	..Sept. 1..	18	1
8	Lewis, Frederick Nelson.....	N. Y.	N. Y.	..Sept. 1..	19	4
9	Martin, James Nelson, Jr.....	Iowa.	Iowa.	..Sept. 1..	17	6
10	Michie, Dennis Mahan.....	N. Y.	N. Y.	..Sept. 1..	18	4
11	Reeve, Horace Maynard.....	Tenn.	Tenn.	..Sept. 1..	19	6
12	Reeves, James Haynes	Ala.	Ala.	..Sept. 1..	17	11
13	Stetson, Frederic Thomas.....	Minn.	N. Y.	..Sept. 1..	19	9
14	Stone, Harry Calvin.....	N. Y.	N. Y.	..Sept. 1..	19	0

CADETS ADMITTED JUNE, 1889.

Number.	Names.	State.		Date of Admission.	Age at date of Admission.	
		Born in	Appointed from		Years.	Mos.
1	Ames, Butler.....	Mass.	Mass.	.. June 15..	17	9
2	Andrews, Lincoln Clarke....	Minn.	N. Y.	.. June 15..	21	6
3	Babcock, Walter Crosby.....	Mass.	Mass.	.. June 15..	18	9
4	Bash, Louis Hermann.....	Ill.	Ill.	.. June 15..	17	3
5	Bassette, Buell Burdett.....	La.	Conn.	.. June 15..	19	4
6	Battle, John Somerville.....	N. C.	N. C.	.. June 15..	17	3
7	Beattie, Herbert.....	Ill.	Ill.	.. June 15..	18	10
8	Bell, Edwin.....	D. C.	N. Y.	.. June 15..	19	3
9	Berkeley, Hugh Douglas.....	Va.	Miss.	.. June 15..	17	11
10	Beyer, Walter Fred.....	Mich.	Mich.	.. June 15..	18	4
11	Brown, William, Jr.....	Ill.	Ill.	.. June 15..	18	7
12	Carpenter, John Stewart.....	N. J.	N. J.	.. June 15..	17	4
13	Cassatt, Edward Buchanan....	Pa.	At large.	.. June 15..	19	9
14	Clark, Elmer Wright.....	Pa.	Iowa	.. June 15..	20	2
15	Colt, William Wesley.....	Ill.	Ill.	.. June 15..	21	5
16	Coppock, Wilson Clark.....	Ohio.	Ohio.	.. June 15..	19	7
17	Crosby, Herbert Ball.....	Kansas	Ill.	.. June 15..	17	5
18	Cruikshank, William Mackey	D. C.	D. C.	.. June 15..	18	7
19	Davenport, Joseph Andrews..	La.	La.	.. June 15..	17	11
20	Edwards, Arthur Morris.....	N. Y.	Neb.	.. June 15..	18	1
21	Farr, Otho Williard Burnham	Me.	Me.	.. June 15..	18	4
22	Geleerd, Myer.....	Ohio.	Ohio.	.. June 15..	18	0
23	Graham, Malcolm Kintner....	Ind.	Tex.	.. June 15..	17	2
24	Guthrie, James Morris.....	Ky.	Ky.	.. June 15..	17	4
25	Hart, Verling Kersey.....	Kansas.	Wyo.	.. June 15..	18	2
26	Hazzard, Samuel Chrisman...	Pa.	Pa.	.. June 15..	19	11
27	Heiner, Gordon Graham.....	D. C.	Pa.	.. June 15..	19	7
28	Heywood, Edwin Jerome.....	N. H.	N. H.	.. June 15..	19	11
29	Holther, Louis Jenson, Jr....	Utah.	Utah.	.. June 15..	20	7
30	Honey, Robertson.....	Ala.	R. I.	.. June 15..	18	9
31	Howell, George Pierce.....	N. C.	N. C.	.. June 15..	18	7
32	Houle, George Edmund.....	Canada.	Mass.	.. June 15..	19	5
33	Hyer, Benjamin Bremner....	N. Y.	N. Y.	.. June 15..	18	5
34	Jamerson, George Hairston...	Va.	Va.	.. June 15..	19	7
35	Johnston, Robert Pulliam....	N. C.	N. C.	.. June 15..	18	7

CADETS ADMITTED JUNE, 1889.

Number.	Names.	State.		Date of Admission.	Age at date of Admission.	
		Born in	Appointed from		Years.	Mos.
36	Kilbourne, Lincoln Fay.....	Cal.	At large	.. June 15..	20	3
37	Kilburn, Dana Willis.....	Pa.	Ill.	.. June 15..	17	3
38	King, David Matson.....	Ohio.	Ohio.	.. June 15..	19	7
39	Krouse, Harry Augustus....	Pa.	Pa.	.. June 15..	17	9
40	Kutz, Charles Willauer.....	Pa.	Pa.	.. June 15..	18	8
41	Laws, Albert.....	Md.	Md.	.. June 15..	20	10
42	Lawton, Frederick George....	Miss.	Miss.	.. June 15..	17	5
43	Lawton, Louis Bowen.....	Iowa	N. Y.	.. June 15..	17	3
44	*LeComte, Henry Charles....	Switzerland	Switzerland	.. June 15..	19	7
45	Lewellen, Emerson Calvin....	Pa.	Kansas	.. June 15..	21	2
46	Mann, Fred Eugene.....	Wis.	Wis.	.. June 15..	20	3
47	Martin, Amos H.....	Pa.	Pa.	.. June 15..	17	7
48	Mathews, James Davenport...	Ohio.	Ohio.	.. June 15..	19	6
49	McKenna, Frank Bornemann..	Cal.	Cal.	.. June 15..	19	2
50	McLewee, William Beresford..	N. Y.	N. Y.	.. June 15..	19	3
51	McManus, George Henry.....	Iowa	Iowa	.. June 15..	21	5
52	Morgan, John.....	Ohio.	Ohio.	.. June 15..	21	3
53	Nelson, Hunter Bithal.....	Tenn.	Tenn.	.. June 15..	20	3
54	Parke, Francis Neal.....	Md.	Md.	.. June 15..	18	5
55	Pattison, Harry Howard.....	Ohio.	Ind.	.. June 15..	20	7
56	Penick, Harry Otho.....	Iowa	Iowa	.. June 15..	19	8
57	Perry, Howard Rand.....	Ill.	Ill.	.. June 15..	20	11
58	Pool, Solomon Clifton.....	N. C.	N. C.	.. June 15..	19	10
59	Punch, Andrew Martin.....	Mo.	Mo.	.. June 15..	20	10
60	Raymond, Robert Rossiter....	N. Y.	N. Y.	.. June 15..	18	3
61	Read, James Charles.....	Pa.	Pa.	.. June 15..	20	4
62	Rice, John Hodgen.....	Mo.	Mo.	.. June 15..	19	5
63	Rogers, William Cauldwell....	N. Y.	N. Y.	.. June 15..	19	2
64	Sawtelle, Charles Greene, Jr..	Cal.	At large	.. June 15..	19	4
65	Schindel, Samuel John Bayard	N. J.	Pa.	.. June 15..	18	0
66	Shortz, Robert Packer.....	Pa.	Pa.	.. June 15..	20	3
67	Smedberg, William Renwick, Jr	Cal.	Cal.	.. June 15..	18	5
68	Smith, Hamil Allen.....	Fla.	Ga.	.. June 15..	18	4
69	Smith, Mathew Charles.....	Ala.	Ala.	.. June 15..	21	2
70	Smith, Thomas Lee.....	Ind.	Ind.	.. June 15..	17	7

* Receiving instruction under the provisions of a Joint Resolution of Congress, approved October 19, 1888.

CADETS ADMITTED JUNE, 1889.

Number.	Names.	State.		Date of Admission.	Age at date of Admission.	
		Born in	Appointed from		Years.	Mos.
71	Taylor, Edward.....	Ill.	Idaho.	.. June 15..	21	1
72	Thrasher, Norman Samuel ...	N. Y.	N. Y.	.. June 15..	18	10
73	*Urtecho, José Andrés.....	Nicarangua	Nicarangua	.. June 15..	18	10
74	Vidmer, George.....	Ala.	Ala.	.. June 15..	17	9
75	Waite, Harrison, Jr.....	Md.	Va.	.. June 15..	18	10
76	Walker, Meriwether Lewis...	Va.	Va.	.. June 15..	19	8
77	Whipple, Allen Pugh.....	Ga.	Ga.	.. June 15..	18	6
78	Whitworth, Pegram.....	La.	La.	.. June 15..	17	10
79	Wilson, Frank Edwin.....	Mo.	Ohio.	.. June 15..	18	2
80	Wood, Charles Drury.....	Tenn.	Tenn.	.. June 15..	19	4

* Receiving instruction under the provisions of a Joint Resolution of Congress, approved May 14, 1888.

GENERAL MERIT ROLL

OF THE

GRADUATING CLASS

OF

1889.

GENERAL MERIT ROLL OF THE GRADUATING CLASS OF 1889.

Class rank.	Names.	MERIT IN													General Merit.	Recommended for promotion in—
		Mathematics.	English.	French.	Nat'l and Exp'l Philosophy.	Chemistry, Chemical Physics, Mineralogy and Geology.	Tactics.	Drawing.	Civil & Military Engineering.	History.	Spanish.	Law.	Ordnance and Gunnery.	Discipline.		
	<i>Maximum in each branch.</i>	400.0	75.0	150.0	300.0	225.0	100.0	125.0	300.0	75.0	75.0	150.0	125.0	200.0	2300.0	
1	Winslow, Eben E.	400.0	75.0	150.0	300.0	223.4	100.0	118.8	300.0	75.0	75.0	147.9	124.3	200.0	2289.4	Engineers, Ordnance, Artillery, Cavalry or Infantry.
2	D'Armit, Albert M.	380.7	71.4	148.2	295.8	223.5	99.3	79.8	295.7	73.9	71.8	145.7	123.9	196.3	2206.0	
3	Flagler, Clement A. F.	390.1	72.1	142.6	289.4	215.5	90.1	97.5	287.2	71.8	72.9	137.2	121.5	171.7	2159.6	
4	Harding, Chester.	395.0	64.1	122.3	289.6	212.9	87.5	112.6	289.2	47.3	51.6	111.7	105.2	196.7	2085.7	
5	Harts, William W.	377.8	74.3	120.4	270.4	198.6	74.9	117.8	272.1	67.6	62.2	130.9	107.3	180.0	2054.3	
6	McGregor, Robert.	370.7	53.2	91.4	275.0	206.6	88.1	101.4	280.6	53.7	42.0	128.7	109.0	270.0	2003.4	
7	Blake, Edmund M.	316.5	47.5	133.3	247.5	214.2	86.1	100.7	259.2	68.6	64.4	122.3	110.1	200.0	1970.4	
8	Martin, John T.	314.6	56.9	105.6	272.7	163.0	96.0	98.7	274.2	69.6	54.8	126.6	115.1	200.0	1947.8	
9	Willcox, Francis W.	359.3	61.9	72.2	253.5	184.9	79.5	93.4	218.2	66.5	46.3	135.1	105.5	175.7	1852.0	
10	Ellis, Wilmot E.	348.6	72.8	138.8	259.9	189.5	80.2	51.3	207.5	65.4	65.4	139.4	99.8	133.0	1851.6		Ordnance, Artillery, Cavalry or Infantry.
11	Kenly, William L, Jr.	357.9	52.5	107.4	270.2	157.8	89.4	119.0	267.7	26.1	56.9	77.7	84.9	181.0	1848.5	
12	Haan, William G.	324.7	60.5	79.7	280.9	154.4	75.6	108.5	278.5	33.5	30.3	90.4	114.7	178.7	1810.4	
13	Jordan, Sidney S.	288.0	50.4	109.3	214.2	198.9	84.2	73.2	231.3	63.3	60.1	120.2	112.9	198.7	1804.7	
14	Bethel, Walter A.	214.4	70.6	131.5	182.9	192.9	97.4	58.6	237.7	60.1	69.7	133.0	111.2	199.7	1789.7	
15	Sydenham, Alvin H.	290.0	63.4	112.9	236.9	152.6	80.9	106.3	252.6	54.8	70.7	96.8	77.1	173.3	1768.3	
16	Johnson, Ben.	352.2	41.7	81.5	262.4	179.5	92.1	68.2	242.1	43.1	29.3	88.3	105.9	180.7	1767.0	
17	Barroll, Morris K.	300.5	62.7	118.6	211.9	183.8	77.6	84.6	203.2	58.0	48.4	109.6	96.9	200.0	1755.8	
18	Harrison, Ralph.	267.9	48.2	96.4	215.7	169.4	78.9	76.9	209.8	62.2	61.2	143.6	93.4	177.7	1701.3	
19	Skerrett, Delamere.	303.3	59.0	88.9	241.1	129.8	78.2	112.6	241.9	52.7	45.2	86.2	101.6	129.7	1675.2	
20	McGlachlin, Edward F., Jr.	290.7	49.6	140.8	224.0	122.8	76.2	61.2	226.8	51.6	49.5	107.4	78.9	181.7	1661.2	
21	Campbell, Archibald.	369.4	65.6	144.5	198.8	184.7	85.5	65.0	112.8	59.0	67.6	58.5	78.9	164.7	1655.0	
22	Hains, John P.	345.1	51.8	57.5	240.9	180.2	92.7	119.3	222.3	31.4	28.2	52.1	71.1	152.0	1644.6	
23	Lassiter, William.	215.1	55.4	124.1	163.7	163.9	90.8	79.7	199.2	64.4	66.5	141.5	107.7	170.3	1642.3	
24	Irwin, George LeR.	159.1	58.3	146.3	191.0	153.6	91.4	65.2	160.2	72.9	63.3	150.0	87.8	194.3	1593.4	

25	Hagadorn, Charles B.....	306.5	32.2	55.6	143.6	146.4	94.1	125.0	250.6	27.1	33.5	71.3	65.1	185.7	1536.7
26	Rhodes, Charles D.....	251.2	66.3	125.9	150.1	107.5	82.2	115.2	132.2	55.9	53.7	103.2	77.2	200.0	1520.6
27	Lee, Harry R.....	249.8	67.7	135.2	136.3	127.8	76.9	100.4	151.6	49.4	68.6	94.7	60.5	184.7	1503.6
28	Bookmiller, Edwin V.....	163.7	35.9	68.5	162.5	168.1	93.4	75.7	196.8	70.7	58.0	113.8	86.7	200.0	1493.8
29	Piper, Alexander R.....	268.3	59.8	64.8	195.1	103.9	98.0	109.4	181.7	28.2	31.4	73.4	82.8	194.3	1491.1
30	Winston, Eddie T.....	366.2	61.8	116.6	100.0	114.1	88.8	87.5	147.1	34.6	52.7	67.0	60.8	193.3	1490.5
31	Wood, Winthrop S.....	202.2	64.8	114.8	164.3	105.6	96.7	88.9	199.1	44.2	43.1	98.9	74.6	173.0	1470.2
32	Langhorne, George T.....	281.9	51.1	83.4	196.0	93.9	98.7	81.4	200.9	45.2	37.8	92.6	61.5	134.0	1458.4
33	Kemp, Ulysses G.....	278.0	42.4	101.9	177.5	93.1	82.8	69.3	164.7	25.0	73.9	84.0	47.4	193.3	1433.3
34	Peterson, Matt R.....	220.8	45.3	77.8	209.9	113.6	69.6	52.3	138.7	56.9	50.5	116.0	82.4	198.7	1432.5
35	Cole, Edwin T.....	195.1	38.0	59.3	151.3	190.6	74.3	62.2	181.6	50.5	47.3	101.1	88.9	192.0	1432.2
36	Phillips, William A.....	278.2	44.6	53.8	188.6	104.7	72.9	72.0	233.2	30.3	26.1	56.4	67.2	174.3	1402.3
37	Taylor, John R. M.....	204.1	57.6	100.1	165.1	145.8	72.3	112.3	160.2	48.4	36.7	69.1	53.4	170.3	1396.0
38	Kirkman, George W.....	168.4	67.0	127.8	170.3	207.9	68.3	47.4	151.3	61.1	55.9	118.1	55.1	96.0	1394.6
39	Lacey, Francis E.....	220.3	46.0	90.7	182.3	118.2	84.8	53.7	141.1	37.8	34.6	124.5	73.3	180.7	1388.0
40	Cloman, Sydney A.....	205.9	43.8	103.7	142.1	104.3	71.6	91.7	162.5	39.9	35.6	75.5	73.6	191.0	1341.2
41	Crawford, Charles.....	203.9	35.1	87.1	156.9	136.8	73.6	50.6	119.2	46.2	38.8	105.3	51.6	198.7	1303.8
42	Graves, William S.....	222.4	56.1	61.2	140.2	85.6	86.8	46.9	166.5	36.7	32.4	62.8	71.8	194.3	1263.7
43	Webster, Frank D.....	243.7	48.9	92.6	128.8	116.2	70.3	71.8	110.8	29.3	39.9	50.0	48.0	193.0	1243.3
44	Leitch, Joseph D.....	197.4	61.2	76.0	114.8	91.8	94.7	93.7	123.8	35.6	27.1	81.9	48.8	183.3	1230.1
45	Burkhardt, Samuel, Jr...	167.9	38.8	63.0	119.1	118.7	69.0	76.7	138.7	42.0	44.1	79.8	49.1	190.0	1196.9
46	Normoyle, James E.....	169.4	68.5	98.2	102.0	76.5	67.7	66.1	112.8	32.4	41.0	54.3	61.1	195.3	1145.3
47	Stockham, Edward V.....	151.6	33.0	51.8	106.3	109.6	83.5	93.3	115.1	38.8	25.0	60.6	66.8	184.0	1119.4
48	Barrios, Antonio.....	158.6	58.0	121.3	100.0	86.0	68.0	42.9	101.1	44.7	73.4	61.7	44.2	138.7	1098.6
49	Young, Charles.....	175.5	69.9	111.1	124.9	114.3	71.0	41.7	Deft.	41.0	59.0	64.9	47.7	167.0	Deft.

Cavalry
or
Infantry.

*LIST OF DISTINGUISHED CADETS REPORTED AT THE
ANNUAL EXAMINATION, 1889.*

Number.	Names.	State.		Science and Art in which each Cadet particularly excels.
		Born in	App'ted from	
FIRST CLASS.				
1	Winslow, Eben E.	D. C.	Mass.	Civil and Military Engineering and Science of War, Law, History, Spanish, Ordnance and Gunnery, Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Tactics, Drawing, Mathematics, English and French.
2	D'Armit, Albert M.	Pa.	Iowa.	Civil and Military Engineering and Science of War, Law, History, Spanish, Ordnance and Gunnery, Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Tactics, Mathematics, English and French.
3	Flagler, Clement A. F.	Ga.	Iowa.	Civil and Military Engineering and Science of War, Law, History, Spanish, Ordnance and Gunnery, Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Mathematics, English and French.
4	Harding, Chester.	Miss.	Ala.	Civil and Military Engineering and Science of War, Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Drawing and Mathematics.
5	Harts, William W.	Ill.	Ill.	Civil and Military Engineering and Science of War, History, Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Drawing, Mathematics and English.

**LIST OF DISTINGUISHED CADETS REPORTED AT THE
ANNUAL EXAMINATION, 1889.**

Number.	Names.	State.		Science and Art in which each Cadet particularly excels.
		Born in	App'ted from	
SECOND CLASS.				
1	Jadwin, Edgar.....	Pa.	Pa.	Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, Tactics, and Drawing.
2	Keller, Charles... ..	N. Y.	N. Y.	Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, and Tactics.
3	Bromwell, Charles S....	Ky.	Ohio.	Natural and Experimental Philosophy, and Chemistry, Chemical Physics, Mineralogy and Geology.
4	Rennard, John C.....	Pa.	Pa.	Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, and Tactics.
5	Deakayne, Herbert.....	Del.	Del.	Natural and Experimental Philosophy, Chemistry, Chemical Physics, Mineralogy and Geology, and Tactics.
THIRD CLASS.				
1	Cosby, Spencer.....	Md.	At Large.	Mathematics and French.
2	Sewell, John S.....	Tenn.	Ky.	Mathematics and French.
3	McIndoe, James F.....	Md.	Md.	Mathematics and French.
4	Echols, Charles P.....	Ala.	Ala.	Mathematics, French, and Drawing.
5	Morrow, Jay J.....	W. Va.	Pa.	Mathematics and Drawing.
FOURTH CLASS.				
1	Cavanaugh, James B.....	Ill.	Wash. T.	Mathematics and English.
2	Jervey, James P.....	Va.	Ga.	Mathematics, English and French.
3	Walker, Kirby.....	Ohio.	Ohio.	Mathematics, English and French.
4	Blakely, George... ..	Pa.	Pa.	Mathematics, English and French.
5	Coe, Frank W.....	Kan.	Kan.	Mathematics and English.

NOTE.—The Cadets in each Class reported as “distinguished” are the first five according to class rank. Only the subjects in which the Cadet stands above tenth are mentioned.

CASUALTIES.

Resigned (13).

Rushing, John B.	3d Class.	July	1, 1888.
Deshazo, James B.	4th Class.	October	31, 1888.
Holloway, William R.	4th Class.	October	31, 1888.
Holt, John E.	4th Class.	January	4, 1889.
Hughes, Michael E.	4th Class.	May	2, 1889.
Johnson, Sidney S.	4th Class.	August	31, 1888.
Long, Ara P.	4th Class.	May	25, 1889.
Long, Frank S.	4th Class.	May	30, 1889.
McCray, William M.	4th Class.	October	1, 1888.
Mizner, Henry W.	4th Class.	April	1, 1889.
Rogers, Edward J. H.	4th Class.	October	31, 1888.
Rogers, William C.	4th Class.	December	26, 1888.
Sprague, William A.	4th Class.	July	4, 1888.

Discharged (32).

Kelly, Thaddeus M.	2d Class.	September	11, 1888.
Davis, Winder C.	3d Class.	September	5, 1888.
Pheatt, Zebulon.	3d Class.	January	15, 1889.
Rochester, William B., Jr.	3d Class.	November	1, 1888.
Ryther, Dwight W.	3d Class.	January	15, 1889.
Wood, Wells W.	3d Class.	January	15, 1889.
Athey, Wiley L.	4th Class.	June	29, 1889.
Barrow, John.	4th Class.	January	15, 1889.
Earle, Baylis H.	4th Class.	June	29, 1889.
Erwin, William L.	4th Class.	January	15, 1889.
Ferguson, Milton J.	4th Class.	June	29, 1889.
Fitz Gerald, Frederick.	4th Class.	January	15, 1889.
Ford, Benjamin M.	4th Class.	January	15, 1889.
Gardner, Dudley W.	4th Class.	June	29, 1889.
Hardy, Thomas W.	4th Class.	January	15, 1889.
Hinshaw, Bright B.	4th Class.	June	29, 1889.
Kane, Samuel A.	4th Class.	January	15, 1889.
Kelby, Charles H.	4th Class.	June	29, 1889.
Kellogg, Donald W.	4th Class.	June	29, 1889.
Lewis, Frederick N.	4th Class.	June	27, 1889.
Maghee, Thomas G.	4th Class.	January	15, 1889.
Martin, James N., Jr.	4th Class.	June	29, 1889.
Massie, Wade H.	4th Class.	January	15, 1889.
McMullen, Cassius W.	4th Class.	June	29, 1889.
Orr, Charles T.	4th Class.	June	29, 1889.
Read, Beverly A.	4th Class.	June	29, 1889.
Sayer, Albert D.	4th Class.	June	29, 1889.
Speer, George L.	4th Class.	January	15, 1889.
Towery, John I.	4th Class.	June	29, 1889.
Welch, Andrew F.	4th Class.	January	15, 1889.
Williams, Boyd.	4th Class.	January	15, 1889.
Winslow, John L.	4th Class.	January	15, 1889.

Died (1).

Jackson, Franklin M.	2d Class.	December	31, 1888.
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BATTALION ORGANIZATION.

For instruction in Infantry Tactics and in military police and discipline, the Cadets are organized into a battalion of four companies, under the Commandant of Cadets, each company being commanded by an officer of the Army. The officers and non-commissioned officers are selected from those Cadets who have been most studious, soldier-like in the performance of their duties, and most exemplary in their general deportment. In general, the officers are taken from the first class; the sergeants from the second class; and the corporals from the third class.

"A."

"B."

"C."

"D."

CAPTAINS.

G. T. LANGHORNE,¹ J. T. MARTIN,³ C. B. HAGADORN,⁴ W. LASSITER,²

LIEUTENANTS.

W. W. HARTS, *Adjutant.* C. HARDING, *Quartermaster.*
 E. V. STOCKHAM,¹ M. K. BARROLL,⁵ F. W. WILLCOX,³ U. G. KEMP,²
 C. D. RHODES,⁴ W. A. BETHEL,⁹ W. L. KENLY, JR.,⁷ R. MCGREGOR,⁶
 A. R. PIPER,⁸ G. LER. IRWIN,¹² A. M. D'ARMIT,¹¹ J. D. LEITCH.¹⁰

J. C. RENNARD, *Sergeant-Major.*

H. DEAKYNE, *Quartermaster-Sergeant.*

1st SERGEANTS.

T. W. WINSTON,⁴ J. A. RYAN,³ O. B. MEYER,² F. M. CALDWELL.¹

SERGEANTS.

P. A. WOLF,⁴ E. JADWIN,² J. R. LINDSAY,³ E. L. BUTTS,¹
 J. C. FOX,¹² H. H. BANDHOLTZ,⁶ C. C. HEARN,⁸ F. B. KEECH,⁵
 M. F. DAVIS,¹⁴ H. T. FERGUSON,⁹ C. S. BROMWELL,¹⁰ C. I'H. RUGGLES,⁷
 F. C. MARSHALL,¹⁵ E. B. GOSE,¹⁶ F. W. SLADEN,¹³ H. D. TODD, JR.¹¹

CORPORALS.

H. E. ELY,⁵ J. F. MCINDOE,³ S. COSBY,² E. B. WINANS, JR.,¹
 J. S. SEWELL,⁸ LER. S. LYON,⁴ H. P. HOWARD,¹¹ R. L. BUSH,⁶
 O. C. HORNEY,⁹ G. C. SAFFARRANS,¹² W. J. GLASGOW,¹³ C. P. ECHOLS,⁷
 T. N. HORN,¹⁷ J. W. FURLONG,¹⁴ E. LINDSLEY,¹⁵ A. W. DREW,¹⁰
 J. B. BENNET,¹⁸ H. O. WILLIAMS,¹⁶ L. WAHL,²⁰ J. J. MORROW.¹⁹

The figures indicate relative rank.

Course of Study and Books Used at the Military Academy.

(Books marked thus * are for Reference.)

FIRST YEAR.—FOURTH CLASS.

DEPARTMENT.	COURSE OF STUDY, TEXT BOOKS, AND BOOKS OF REFERENCE.
Mathematics.	Davies' Elements of Algebra. Davies' Legendre's Geometry. Ludlow's Elements of Trigonometry. Davies' Surveying. Church's Analytical Geometry.
Modern Languages.	Keetels' Analytical and Practical French Grammar. Keetels' Analytical French Reader. *Spiers' and Surene's Dictionary. Whitney's Essentials of English Grammar. Hart's Manual of Rhetoric and Composition. Abbott and Seeley's English Lessons for English People. Abbott's How to Write Clearly. *Webster's Dictionary.
History, Geography and Ethics.	Lectures in Ethics, and in Universal History.
Tactics of Artillery and Infantry.	Practical Instruction in the Schools of the Soldier, Company and Battalion. *Blunt's Firing Regulations for Small Arms. Practical Instruction in Artillery.
Use of Small Arms.	Instruction in Fencing and Bayonet Exercise, and Military Gymnastics.

SECOND YEAR.—THIRD CLASS.

DEPARTMENT.	COURSE OF STUDY, TEXT BOOKS, AND BOOKS OF REFERENCE.
Mathematics.	Church's Analytical Geometry. Church's Descriptive Geometry, with its application to Spherical Projections. Bass' Introduction to the Differential Calculus. Church's Calculus. Church's Shades, Shadows and Perspective. Chauvenet's Treatise on the Method of Least Squares.
Modern Languages.	Keetels' Analytical and Practical French Grammar. Borel's Grammaire Française. Böcher's College Series of French Plays. Roemer's Cours de Lecture et de Traduction. Vols. I and II. *Spiers' and Surene's Dictionary.
Drawing.	Topography and plotting of Surveys with lead pencil, pen and ink, and colors; construction of the various Problems in Descriptive Geometry Shades and Shadows, and Linear Perspective and Isometric Projections; Practical Surveying in the field. *Reed's Topographical Drawing and Sketching, including Photography, applied to Surveying.
Tactics of Artillery, Infantry and Cavalry.	Practical Instruction in the Schools of the Soldier, Company and Battalion. *Blunt's Firing Regulations for Small Arms. Practical Instruction in Artillery and Cavalry.

THIRD YEAR.—SECOND CLASS.

DEPARTMENT.	COURSE OF STUDY, TEXT BOOKS, AND BOOKS OF REFERENCE.
Natural and Experimental Philosophy.	Michie's Mechanics. [3rd Edition.] Bartlett's Astronomy. Young's General Astronomy. Michie's Elements of Wave-Motion relating to sound and light.
Chemistry, Mineralogy and Geology.	Bloxam's Chemistry, 6th Edition. Tillman's Elementary Lessons in Heat. Tillman's Essential Principles of Chemistry. Brown's Eclectic Physiology. Thompson's Elementary Lessons in Electricity and Magnetism. Dana's Manual of Mineralogy and Petrography (5th Edition). Le Conte's Elements of Geology.
Drawing.	Free Hand Drawing and Landscape in black and white. Constructive and Architectural Drawing in ink and colors. *Reed's Topographical Drawing and Sketching, including Photography applied to Surveying.
Tactics of Artillery, Infantry and Cavalry.	United States Army Artillery Tactics. Tidball's Manual of Heavy Artillery Service, U. S. Army. United States Army Cavalry Tactics. Upton's United States Army Infantry Tactics. Practical Instruction in the Schools of the Soldier, Company and Battalion. Practical Instruction in Artillery and Cavalry.
Practical Military Engineering.	Practical and Theoretical Instruction in Military Signaling.

FOURTH YEAR.—FIRST CLASS.

DEPARTMENT.	COURSE OF STUDY, TEXT BOOKS, AND BOOKS OF REFERENCE.
Civil and Military Engineering and Science of War.	Wheeler's Civil Engineering. Wheeler's Field Fortifications. Mercur's Mahan's Permanent Fortification, Edition of 1887. Wheeler's Military Engineering (Siege Operations, and Military Mining). Mercur's Elements of the Art of War. Mahan's Stereotomy. *Royal Engineers, Aide-Mémoire, Parts I and II.
Modern Languages.	Knapp's Spanish Grammar, Knapp's Spanish Readings. *Seoane's Neuman and Baretto's Dictionary.
Law.	Woolsey's International Law. Cooley's General Principles of Constitutional Law in the United States. Winthrop's Abridgment of Military Law. General Orders No. 100, A. G. O., 1863.
History, Geography and Ethics.	Swinton's Outlines of the World's History. Labberton's New Historical Atlas and General History.

FOURTH YEAR.—FIRST CLASS.

DEPARTMENT.	COURSE OF STUDY, TEXT BOOKS, AND BOOKS OF REFERENCE.
Practical Military Engineering.	Practical Instruction in the construction of Ponton and Spar Bridges ; in the preparation of Siege Materials ; and in laying out field and siege works. Practical Instruction in Astronomy, in Surveying, in Military Recon- naissances, in Field Telegraphy, and Night Signaling. *Ernst's Manual of Practical Military Engineering.
Tactics of Artillery, Infantry and Cavalry.	Practical Instruction in the Schools of the Soldier, Company and Bat- talion. Practical Instruction in Artillery and Cavalry.
Ordnance and Gunnery.	Benton's Ordnance and Gunnery. Ordnance Pamphlets, Nos. 1, 2, 3, 4, and 5. Practical Pyrotechnics. Practical Ballistics.

INFORMATION RELATIVE TO THE APPOINTMENT AND ADMISSION OF CADETS TO THE UNITED STATES MILITARY ACADEMY.

APPOINTMENTS.

Each Congressional District and Territory—also the District of Columbia—is entitled to have one Cadet at the Academy. Ten are also appointed *at large*. The appointments (except those *at large*) are made by the Secretary of War at the request of the Representative, or Delegate, in Congress from the District or Territory; and the person appointed must be an actual resident of the District or Territory from which the appointment is made. The appointments *at large* are specially conferred by the President of the United States. **How made.**

Applications can be made at any time, by letter to the Secretary of War, **Manner of making applications.** to have the name of the applicant placed upon the register that it may be furnished to the proper Representative, or Delegate, when a vacancy occurs. The application must exhibit the full name, date of birth, and permanent abode of the applicant, with the number of the Congressional District in which his residence is situated.

Appointments are required by law to be made one year in advance of the date of admission, except in cases where, by reason of death or other cause, a vacancy occurs which cannot be provided for by such appointment in advance. These vacancies are filled in time for the next annual examination. **Date of appointments.**

The Representative, or Delegate, in Congress may nominate a legally qualified second candidate, to be designated the *alternate*. **Alternates.** The alternate will receive from the War Department a letter of appointment, and will be examined *with the regular appointee*, and if duly qualified will be admitted to the Academy in the event of the failure of the principal to pass the prescribed preliminary examinations. The alternate will not be allowed to defer his reporting at West Point until the result of the examination of the regular appointee is known, but must report at the time designated in his letter of appointment. The alternate, like the nominee, should be designated as nearly one year in advance of date of admission as possible.

ADMISSION OF CADETS.

A candidate upon receiving his conditional appointment is ordered to report at West Point to the Superintendent of the Military Academy in time to appear before the Academic Board for examination at its meeting early in June, unless there be good reasons for designating another time.

The candidate, soon after his arrival at West Point, is subjected to a rigid physical examination by a Board of experienced Surgeons of the Army. If he passes successfully this examination, he is then examined by the Academic Board. These examinations are made with as little delay as practicable after the candidate reports to the Superintendent.

The candidate who passes successfully these examinations is admitted, at once, to the Academy without returning to his home. Immediately after his admission, and before receiving his warrant of appointment, he is required to sign an engagement for service in the following form, in the presence of the superintendent, or of some officer deputed by him :

I, _____, of the State (or Territory) of _____, aged _____ years _____ months, do hereby

engage (with the consent of my parent or guardian) that, from the date of my admission as a Cadet of the United States Military Academy, I will serve in the Army of the United States for eight years, unless sooner discharged by competent authority.

In the presence of _____.

And the Candidate shall then take and subscribe an oath or affirmation in the following form:

"I, _____, do solemnly swear that I will support the Constitution of the United States, and bear true allegiance to the National Government; that I will maintain and defend the sovereignty of the United States, paramount to any and all allegiance, sovereignty, or fealty I may owe to any State, County, or country whatsoever; and that I will at all times obey the legal orders of my superior officers, and the rules and articles governing the Armies of the United States."

Sworn and subscribed, at _____, this _____ day of _____, eighteen hundred and _____ before me.

Qualifications. The age for the admission of Cadets to the Academy is between seventeen and twenty-two years. Candidates must be unmarried, at least five feet in height, free from any infectious or immoral disorder, and generally, from any deformity, disease, or infirmity which may render them unfit for military service. They must be well versed in reading, in writing, including orthography, in arithmetic, and have a knowledge of the elements of English grammar, of descriptive geography (particularly of our own country) and of the history of the United States.

CHARACTER OF EXAMINATIONS.*

PHYSICAL EXAMINATION.

Every candidate is subjected to a rigid physical examination, and if there is found to exist in him any of the following causes of disqualification to such a degree as would immediately or at no very distant period impair his efficiency, he is rejected:

- 1.—Feeble constitution and muscular tenuity; unsound health from whatever cause; indications of former disease: glandular swellings, or other symptoms of scrofula.
- 2.—Chronic cutaneous affections, especially of the scalp.
- 3.—Severe injuries of the bones of the head; convulsions.
- 4.—Impaired vision, from whatever cause; inflammatory affections of the eyelids; immobility or irregularity of the iris; fistula lachrymalis, &c., &c.
- 5.—Deafness; copious discharge from the ears.
- 6.—Loss of many teeth, or the teeth generally unsound.
- 7.—Impediment of speech.
- 8.—Want of due capacity of the chest, and any other indication of a liability to a pulmonic disease.
- 9.—Impaired or inadequate efficiency of one or both of the superior extremities on account of fractures, especially of the clavicle, contraction of a joint, extenuation, deformity, &c., &c.
- 10.—An unusual excurvature or incurvature of the spine.

NOTE.—There being no provision whatever for the payment of the traveling expenses of either accepted or rejected candidates for admission, no candidate should fail to provide himself in advance with the means of returning to his home, in case of his rejection before either of the Examining Boards, as he may otherwise be put to considerable trouble, inconvenience, and even suffering on account of his destitute condition. If admitted, the money brought by him to meet such a contingency can be deposited with the Treasurer on account of his equipment as a Cadet, or returned to his friends.

*It is suggested to all candidates for admission to the Military Academy that, before leaving their place of residence for West Point, they should cause themselves to be thoroughly examined by a competent physician, and by a teacher or instructor in good standing. By such an examination any *serious* physical disqualification or deficiency in mental preparation would be revealed, and the candidate probably spared the expense and trouble of a useless journey and the mortification of rejection.

It should be understood that the informal examination herein recommended is solely for the convenience and benefit of the candidate himself, and can in no manner affect the decision of the Academic and Medical Examining Boards at West Point.

11.—Hernia.

12.—A varicose state of the veins of the scrotum or the spermatic cord (when large), sarcocele, hydrocele, hemorrhoids, fistulas.

13.—Impaired or inadequate efficiency of one or both of the inferior extremities on account of varicose veins, fractures, malformation (flat feet, &c.), lameness, contraction, unequal length, bunions, overlying or supernumerary toes, &c., &c.

14.—Ulcers, or unsound cicatrices of ulcers likely to break out afresh.

ACADEMICAL EXAMINATION.

In *Reading*, candidates must be able to read understandingly, and with proper accent and emphasis.

Reading.

In *Writing and Orthography*, they must be able, from dictation, to write sentences from standard pieces of English literature, both prose and poetry, sufficient in number to test their qualifications both in hand-writing and orthography.

Writing and Orthography.

In *Arithmetic*, they must be able—

Arithmetic.

1st. To explain, accurately and clearly, its objects and the manner of writing and reading numbers—entire—fractional—compound or denominate ;

2d. To perform with facility and accuracy the various operations of addition—subtraction—multiplication and division of whole numbers, abstract and compound or denominate, giving the rule for each operation, *with its reasons*, and also for the different methods of proving the accuracy of the work ;

3d. To explain the meaning of reduction—its different kinds—its application to denominate numbers in reducing them from a higher to a lower denomination and the reverse, and to equivalent decimals ; to give the rule for each case, *with its reasons*, and to apply readily these rules to practical examples of each kind ;

4th. To explain the nature of prime numbers, and factors of a number—of a common divisor of two or more numbers, particularly of their *greatest common divisor*—with its use, and to give the rule, *with its reasons*, for obtaining it ; also the meaning of a common multiple of several numbers, particularly of their *least common multiple* and its use, and to give the rule, *with its reasons*, for obtaining it, and to apply each of these rules to examples ;

5th. To explain the nature of fractions, common or vulgar, and decimal—to define the various kinds of fractions, with the distinguishing properties of each—to give all the rules for their reduction ; particularly from mixed to improper and the reverse—from compound or complex to simple—to their lowest terms—to a common denominator—from common to decimal and the reverse ; for their addition—subtraction—multiplication and division, *with the reason* for each change of rule, and to apply each rule to examples ;

6th. To define the terms, ratio and proportion—to give the properties of proportion and the rules and *their reasons*, for stating and solving questions in both simple and compound proportion, or single and double rule of three, and to apply these rules to examples ;

7th. The candidates must not only know the principles and rules referred to above, but they are required to possess such a thorough understanding of all the fundamental operations of arithmetic as will enable them to combine the various principles in the solution of any complex problem which can be solved by the methods of arithmetic. In other words, they must possess such a complete knowledge of arithmetic as will enable them to take up at once the higher branches of mathematics without further study of arithmetic ;

8th. It is to be understood that the examination in these branches may be either written or oral, or partly written and partly oral—that the definitions and rules must be given fully and accurately, and that the work of all examples, whether upon the black-board, slate, or paper, must be written plainly and in full, and in such a manner as to show clearly the mode of solution.

The following examples and questions in Arithmetic are a few of those which have been used at past examinations. They are given in order to indicate more clearly what is required, but it should be distinctly understood that entirely different ones are used each year.

Multiply 4.32 by .0012.

Explain the reason for placing the decimal point in the answer. [*The rule for so doing is not the reason.*]

Reduce $5\frac{1}{2} + \frac{7\frac{1}{4}}{0.5} - 0.725$
 $\frac{4 + 3.45}{2\frac{1}{2}}$ to an equivalent decimal.

Divide 3380321 by MDCCXCIX, and express the quotient by the Roman system of notation.

Change .013 to an equivalent fraction whose denominator is 135.

Find the greatest common divisor of $26\frac{1}{4}$, $28\frac{1}{8}$, and $23\frac{1}{6}$.

How many men would be required to cultivate a field of $2\frac{5}{8}$ acres in $5\frac{1}{2}$ days of 10 hours each, if each man completed 77 square yards in 9 hours?

Separate $772\frac{2}{3}$ into three numbers, which shall be in the same proportion as $2\frac{1}{2}$, $\frac{7}{10}$, $\frac{6}{10}$.

5 cubic feet of gold weigh 98.20 times as much as a cubic foot of water, and 2 cubic feet of copper weigh 18 times as much as a cubic foot of water; how many cubic inches of copper will weigh as much as $\frac{7}{9}$ of a cubic inch of gold?

Find the least common multiple for the numbers $\frac{3}{4}$, 2.1, 5.25, $\frac{7}{8}$.

A wins 9 games out of 15 when playing against B, and 16 out of 25 when playing against C. How many games out of 118 should C win when playing against B?

A and B run a race, their rates of running being as 17 to 18. A runs $2\frac{1}{4}$ miles in 16 minutes 48 seconds, and B runs the entire distance in 34 minutes. What was the entire distance?

A and B can do a piece of work in 4 hours, A and C in $3\frac{2}{3}$ hours, B and C in $5\frac{1}{7}$ hours. In what time can A do it alone?

English shillings are coined from a metal which contains 37 parts of silver to 3 parts of alloy; one pound of this metal is coined into 66 shillings. The United States silver dollar weighs 412.5 grains, and consists of 9 parts silver to 1 of alloy. What fraction of the U. S. dollar will contain the same amount of silver as one English shilling?

Give the rule for reducing a decimal of a given denomination to integers of lower denominations.

What is the effect of dividing the denominator of a fraction by a whole number, and why?

Explain the difference between a common fraction and a decimal.

What is the effect of annexing a cipher to a decimal, and why?

If the same number be subtracted from both terms of an improper fraction, what will be the effect? Why?

Give the rule for reducing a common fraction to an equivalent decimal, and explain why the resulting decimal will be equal to the common fraction from which it is obtained.

Give the rule for dividing one decimal by another, and explain why the decimal point in the quotient is placed where the rule directs.

Define Reduction, and state the different kinds.

Grammar. In *English Grammar*, candidates must be able—

1. To define the parts of speech, and give their classes and properties; to give inflections, including declension, conjugation and comparison; to give the corresponding masculine and feminine gender-nouns; to give and apply the ordinary rules of syntax.

2. To parse fully and correctly any ordinary sentence, omitting rules, declensions, comparisons and principal parts, but giving the subject of each verb, the governing word of each objective case, the word for which each pronoun stands or to which it refers, the words between which each preposition shows the relation, precisely what each conjunction

connects, what each adjective and adverb qualifies or limits, the construction of each infinitive, and, generally, showing a good knowledge of the function of each word in the sentence. Omissions will be taken to indicate ignorance.

3. To correct in sentences or extracts any ordinary grammatical errors, such as are mentioned and explained in ordinary grammars

It is not required that any particular grammarian or text-book shall be followed ; but rules, definitions, parsing, and corrections must be in accordance with good usage and common sense. The examination may be written or oral, or both written and oral.

Candidates will be required to pass a satisfactory examination, written or **Geography**, oral, or both, in *Geography*, particularly of our own country. To give a candidate a clear idea of what is required, the following synopsis is added to show the character and extent of the examination. Questions are likely to be asked involving knowledge of :

1st. Definitions of the geographical circles, of latitude and longitude, of zones and of all the natural divisions of the earth's surface, as islands, seas, capes, &c.

2d. The continental areas and grand divisions of the water of the earth's surface.

3d. The grand divisions of the land—the large bodies of water which in part or wholly surround them.

Their principal mountains, location, direction, and extent ; the capes, from what parts they project and into what waters !

Their principal peninsulas, location, and by what waters are they embraced !

The parts connected by an isthmus, if any ;

Their principal islands, location, and surrounding waters ;

The seas, gulfs, and bays, the coasts they indent, and the waters to which they are subordinate ;

The straits, the lands they separate, and the waters they connect ;

Their principal rivers, their sources, directions of flow, and the waters into which they empty ;

Their principal lakes, location and extent.

4th. The political divisions of the grand divisions.

Their names, locations, boundaries, and capitals ; general questions of the same character as indicated in the second section, made applicable to each of the countries of each of the grand divisions.

5th. The United States.

The candidate should be thoroughly informed as to its general features, configuration, location, and boundaries (both with respect to neighboring countries, and latitude and longitude) ; its adjacent oceans, seas, bays, gulfs, sounds, straits, and islands ; its mountain ranges, their location and extent ; the sources, directions, and terminations of the important rivers and their principal tributaries, the lakes, and, in short, every geographical feature of the country as indicated above. The location and termination of important railroad lines and other means of communication from one part of the country to another should not be omitted.

The States and Territories are to be accurately located with respect to each other by their boundaries, and as to their order along the Atlantic Coast, the Gulf of Mexico, the Pacific Coast, the Northern frontier, the Mexican frontier, and the Mississippi, Missouri, and Ohio Rivers.

The boundary and other large rivers of each State, as well as all other prominent geographical features should be known.

The names and locations of their capitals, and other important cities and towns are likewise to be known.

In short, the knowledge should be so complete that a clear mental picture of the whole or any part of the United States is impressed on the mind of the candidate. More weight is attached to a knowledge of the geography of the United States than to that of all other countries combined.

History. The candidate should make himself familiar with so much of the *History of the United States* as is contained in the ordinary school histories. The examination may be written or oral, or partly written and partly oral, and will usually consist of a series of questions similar to the following:

I.—Name the earliest European settlements within the present limits of the United States—when, where, and by whom made! When did the settlements made by other nations than the English, come under the Dominion of Great Britain, and of the United States!

II.—What was the difference between the Royal, the Chartered, and the Proprietary colonies! How many colonies were there originally in Massachusetts and Connecticut! when were they united! How many in Pennsylvania! when were they separated!

III.—In what wars were the colonies engaged before the Revolution! What were the principal events and results of those of King William, Queen Anne, King George, and the French and Indian!

IV.—What were the remote and the immediate causes of the American Revolution! Explain the Navigation Act, the Stamp Act, Writs of Assistance. When did the War of the Revolution properly begin! when, where, and how did it end! Give the particulars of Arnold's, treason! Who were the most prominent generals in this war! Name the most important battles and their results.

V.—The Constitution of the United States—why and when was it formed! when was it adopted!

VI.—Give the names of the Presidents of the United States in their order. Give the leading events of the administration of each one; for example, that of—

WASHINGTON.—Indian War; trouble with France; Jay's treaty; the whiskey rebellion, &c., &c.

JEFFERSON.—War with Tripoli; purchase of Louisiana; the embargo, &c., &c.

MADISON.—War of 1812; its causes; the principal battles on land and sea; peculiarity of its last battle, when ended, &c., &c.

MONROE.—Indian War; cession of Florida; Missouri compromise, &c., &c.

JACKSON.—Black Hawk and Seminole wars; the United States Bank; nullification, &c., &c.

POLK.—The Mexican War; its causes; principal battles; results of it, &c., &c.

PIERCE.—Repeal of Missouri compromise; troubles in Kansas, &c., &c.

BUCHANAN.—Civil War; how begun, &c., &c.

LINCOLN.—War of Secession; its causes; its results, social and political; explain Doctrine of State Sovereignty; alienation between Northern and Southern states; Doctrine of Secession; give an account of principal battles.

JOHNSON.—Fourteenth Amendment; Tenure of Office Bill; Johnson's Impeachment.

GRANT.—Fifteenth Amendment; Alabama Claims and Treaty of Washington; Electoral Commission.

ACADEMIC DUTIES.

The academic duties and exercises commence on the first of September and continue until the first of June. Examinations of the several classes are held in January and June, and, at the former, such of the new Cadets as are found proficient in studies and have been correct in conduct are given the particular standing in their class to which their merits entitle them. After each examination, Cadets found deficient in conduct or studies are discharged from the Academy, unless the Academic Board for special reasons in each case should otherwise recommend. Similar examinations are held every January and June during the four years comprising the course of studies.

These examinations are very thorough, and require from the Cadet a close and persevering attention to study, without evasion or slighting of any part of the course, as no relaxations of any kind can be made by the examiners.

From the termination of the examination in June to the end of August the Cadets live in camp, engaged only in military duties and exercises and receiving practical military instruction. **Military In-
struction.**

Except in extreme cases, Cadets are allowed but one leave of absence during the four years' course; as a rule the leave is granted at the end of the first two years' course of study.

PAY OF CADETS.

The pay of a Cadet is \$540 per year, to commence with his admission to the Academy and is sufficient, with proper economy, for his support. No Cadet is permitted to receive money, or any other supplies, from his parents, or from any person whomsoever, without the sanction of the Superintendent.

Cadets are required to wear the prescribed uniform. All articles of their clothing are of a uniform pattern, and are sold to Cadets at West Point at regulated prices.

EXPENSES OF CANDIDATES PRIOR TO ADMISSION.

The expenses of a candidate for board, washing, lights, &c., after he has reported and prior to admission, will be about \$10. Immediately after being admitted to the Institution he must be provided with an outfit of uniform, the cost of which will be about \$90, making a total sum of \$100, which must be deposited with the Treasurer of the Academy before the candidate is admitted. It is best for a candidate to take with him no more money than will defray his traveling expenses, and for the parent or guardian to send to "*The Treasurer, U. S. Military Academy,*" the required deposit of \$100. Any deviation from the rule as to the amount or manner of making the deposit must be explained in writing, by the parent or guardian of the candidate, to the Superintendent of the Academy.

ASSIGNMENT TO CORPS AFTER GRADUATION.

The attention of applicants and candidates is called to the following provisions of an act of Congress approved May 17, 1886, to regulate the promotion of graduates of the United States Military Academy:

"That when any Cadet of the United States Military Academy has gone through all its classes and received a regular diploma from the Academic Staff, he may be promoted and commissioned as a second lieutenant in any arm or corps of the Army in which there may be a vacancy and the duties of which he may have been judged competent to perform; and in case there shall not at the time be a vacancy in such arm or corps, he may, at the discretion of the President, be promoted and commissioned in it as an additional second lieutenant, with the usual pay and allowances of a second lieutenant, until a vacancy shall happen."

GENERAL QUALIFICATIONS.

A sound body and constitution, suitable preparation, good natural capacity, an aptitude for study, industrious habits, perseverance, an obedient and orderly disposition, and a correct moral deportment are such essential qualifications that candidates, knowingly deficient in any of these respects, should not, as many do, subject themselves and their friends to the chances of future mortification and disappointment by accepting appointments at the Academy and entering upon a career which they cannot successfully pursue.

Headquarters, U. S. Military Academy,

West Point, N. Y., June 30, 1889.

BY ORDER OF LIEUTENANT-COLONEL HAWKINS:

A large, elegant handwritten signature in black ink, reading "W. H. Brown". The signature is written in a cursive style with a long, sweeping underline that extends to the right.

1st Lieut. 1st Cavalry,

Adjutant.