

Organ Specifications**

Cadet Chapel, United States Military Academy

M.P. Moller, 1911 (original)

4 manuals, 355 ranks

THE CHANCEL

DUTCH GREAT (A)

8' Schwiegel
 8' Principal
 8' Bourdon
 4' Octave
 4' Koppelflute
 2 2/3' Nasat
 2' Super Octave
 2' Waldflute
 1 3/5' Terz
 1 1/3' Larigot
 1' Blockflute
 2' Fourniture IV
 1 1/3' Mixture III
 2/3 Scharf IV

ENCLOSED GREAT (B)

16' Diapason
 8' Diapason Major
 8' Viol Diapason
 Jubal Flute
 8' Double Flute
 8' Harmonic Flute
 4' Minor Octave
 4' Harmonic Flute
 2' Super Octave
 2' Harmonic Piccolo
 2 2/3' Mixture III

SOLO GREAT (B)

8' Diapason Phanon
 8' Horn Flute
 16' Harmonic Trumpet
 8' Bombard
 8' Clarion
 8' French Horn
 8' Hunting Horn
 8' Basset Horn
 4' Cornopean

CHANCEL GREAT (B)

32' Dulciana
 16' Violone
 16' Rohrgedeckt
 16' Dulciana
 8' Violone
 8' Service Diapason
 8' Montre
 8' Suavial
 8' Chorus Principal
 8' Rohrgedeckt
 8' Dulciana
 5 1/3' Gross Nazard
 4' Violone
 4' Service Diapason
 4' Montre
 4' Suavial
 4' Chorus Principal
 4' Chimney Flute
 3 1/5' Tierce
 2 2/3' Service Twelfth
 2 2/3' Nazard
 2' Service Fifteenth
 2' Doublette
 2' Chorus Principal
 2' Chimney Flute
 1 3/5' Tierce
 1 1/3' Plein Jeu V
 4' Great Chimes
 2' Great Chimes
 Zimbelstern
 16' Tuba Major
 8' Tuba Major
 4' Tuba Major

HARMONIC GREAT (B)

8' Principal
 4' Principal
 5 1/3' Principal
 2 2/3' Principal
 2' Principal

1 1/3' Principal
 1' Principal
 2' Fifteenth
 5 1/3' English Mixture XI
 2 2/3' French Mixture XI
 1 1/3' American Mixture IV
 Dulciana chorus
 Bourdon chorus
 16' Bourdon
 10 2/3' Bourdon
 5 1/3' Bourdon
 2 2/3' Bourdon
 2' Bourdon
 8' Bourdon
 4' Bourdon
 Gemshorn Chorus
 Stenthorn Chorus
 16' Stenthorn Minor
 5 1/3' Stenthorn Minor
 4' Stenthorn Minor
 8' Stenthorn Major
 4' Stenthorn Major
 8' Stenthorn Minor
 2 2/3' Stenthorn Quint
 2' Stenthorn Fifteenth
 Flute chorus
 10 2/3' Stopped Flute
 5 1/3' Stopped Flute
 2 2/3' Stopped Flute
 Reed Choruses
 16' Tuba Sonora
 8' Tuba Sonora
 4' Tuba Sonora
 16' Ophicleide
 8' Ophicleide
 4' Ophicleide
 16' Military Trumpet
 8' Military Trumpet
 4' Military Trumpet
 2 2/3' Military Trumpet
 2' Military Trumpet

1 1/3' Military Trumpet
 1' Military Trumpet
 8' Military Clarion
 4' Military Clarion
 8' French Trumpet
 8' Tromba Batalla
 4' Tromba Batalla
 5 1/3' Trombone Quint
 2 2/3' Trombone Quint
 3 1/5' Tromba Tierce
 1 3/5' Tromba Tierce
 Great A Unison Off 8'
 Great B Unison Off 8'
 Great to Great 16', 4'
 Choir to Great 16', 8', 4'
 Swell to Great 16', 8', 4'
 Solo to Great 16', 8', 4'

CHOIR ORGAN

16' Gemshorn
 8' Principal
 8' Clarabella
 8' Gemshorn
 8' Gemshorn Celeste #
 8' Keraulophone
 8' Dulciana Celeste # #
 8' 1st Unda Maris b b
 8' 2nd Unda Maris b
 8' 3rd Unda Maris #
 4' Principal
 4' Harmonic Flute
 4' Gemshorn
 2' Principal
 2' Flageolet
 2' Plein Jeu III
 8' Clarinet
 8' Vox Humana (Echo)
 Choir Unison Off 8'
 Choir to Choir 32', 16', 4'
 Great A to Choir 8'
 Great B to Choir 8'

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Swell to Choir 16', 8', 4'	16'	Bombard	Harmonic A to Great 16', 8', 4'	2'	Stopped Flute
Solo to Choir 16', 8', 4'	16'	Basset Horn	Harmonic A to Choir 16', 8', 4'	1 1/3'	Stopped Flute
	8'	Harmonic Trumpet	Harmonic A to Swell 8'	1'	Stopped Flute
SWELL ORGAN	8'	Cornoean	Harmonic A to Solo 8', 4'	4'	Stopped Harmonic Flute
16' Dulce Bourdon	8'	Tuba Sonora		2'	Stopped Harmonic Flute
8' Open Diapason	8'	French Horn	HARMONIC ORGAN B	8'	Flauto Magico
8' Geigen Diapason	8'	Hunting Horn	Diapason chorus	5 1/3'	Flauto Magico
8' Stopped Diapason	8'	Orchestral Clarinet	1 3/5' English Mixture XI	16'	Flauto Magico Celeste
8' Quintadena	4'	Clarion	4/5' French Mixture IX	8'	Flauto Magico Celeste
8' Salicional	4'	Orchestral Clarinet	American Mixture IV		Reed Choruses
8' Salicional Celeste #	16'	Ophicleide	Dulciana chorus		Harmonic B to Great 16', 8', 4'
8' Salicional Celeste b	8'	Tuba Major	3 1/5' Dulciana Tierce		Harmonic B to Choir 16', 8', 4'
4' Octave	8'	Ophicleide	1 3/5' Dulciana Tierce		Harmonic B to Swell 16', 8', 4'
4' Forest Flute	4'	Tuba Major	2 2/7' Dulciana Septieme		Harmonic B to Solo 8'
4' Salicet	4'	Ophicleide	1 1/7' Dulciana Septieme		
2 2/3' Nasard		Solo Unison Off 8'	1 7/9' Dulciana None		ORCHESTRAL ORGAN
2' Fifteenth		Solo to Solo 4'	8/9' Dulciana	16'	Contra Viole
2' Flautino		Great to Solo 8' A	Bourdon chorus	16'	Viole Celeste b
1 3/5' Tierce		Great to Solo 8' B	8' Bourdon	16'	Tibia Clausa
1 1/3' Nasard		Choir to Solo 8'	5 1/3' Bourdon	16'	Spire Flute
2' Mixture III*		Swell to Solo 8', 4'	1 1/3' Bourdon Quint	8'	Viol Diapason
1' Fourniture IV		Pedal to Solo	3 1/5' Bourdon Tierce	8'	Principal
16' Basson			1 3/5' Bourdon Tierce	8'	Contra Viola
8' Trumpet		HARMONIC ORGAN	2 2/3' Bourdon quint	8'	Viol
8' Oboe		HARMONIC ORGAN A	2 2/7' Bourdon Septieme	8'	Viole Celeste #
8' Althorn		Diapason chorus	1 1/7' Bourdon Septieme	8'	Viole Celeste b
4' Clarion	8'	Open Diapason	1 7/9' Bourdon None	8'	Cello
Swell Unison Off 8'	4'	Octave	8/9' Bourdon None	8'	Cello Celeste
Swell to Swell 16', 4'	2'	Super Octave	Gemshorn chorus	8'	Cello Celeste b
Great A to Swell 8',	5 1/3'	English Mixture	10 2/3' Gemshorn Quint	8'	Tibia Clausa
Great B to Swell 8'	2/5'	French Mixture IX	8' Gemshorn	8'	Bourdon Celeste b
Choir to Swell 16', 8', 4'	1 1/3'	American Mixture IV	4' Gemshorn	8'	Stopped Harmonic Flute
Solo to Swell 8', 4'		Stenthorn chorus	2' Gemshorn	8'	Spire Flute
	16'	Stenthorn Minor	8' Gemshorn Celeste	8'	Spire Flute Celeste #
SOLO ORGAN	8'	Stenthorn Minor	4' Gemshorn Celeste	8'	Spire Flute
16' Contra Bass	5 1/3'	Stenthorn Minor	2 2/3' Gemshorn	8'	Corno Dolce b
8' Diapason Phonon	4'	Stenthorn Minor	1 1/3' Gemshorn	5 1/3'	Viol Quint
8' Horn Diapason		Flute chorus	2' Gemshorn	4'	Viol Diapason
8' Violin Diapason	8'	Harmonic Flute	1' Gemshorn	4'	Principal
8' Horn Flute	4'	Open Flute	Stenthorn chorus	4'	Stopped Harmonic Flute
8' Orchestral Flute		Reed Choruses	Flute chorus	4'	Piquant Flute
4' Solo Octave	16'	Ophicleide	16' Stopped Flute	4'	Spire Flute Celeste
4' Contra Bass (Viol Prin)	8'	Military Trumpet	8' Stopped Flute	4'	Suave Flute
4' Orchestral Flute	4'	Military Trumpet	4' Stopped Flute	4'	Corno Dolce
4' Magic Flute	8'	French Trumpet	10 2/3' Stopped Flute	4'	Violina
2' Super Octave	4'	Tromba Batalla	5 1/3' Stopped Flute	4'	Viol
2' Magic Flute	5 1/3'	Trombone Quint	2 2/3' Stopped Flute	4'	Viole Celeste #

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3 1/5' Viol
 2 2/7' Viol
 2 2/3' Viol Quint
 2' Piquant Flute
 2' Violina
 16' Fagotto
 16' Saxophone
 16' Dulzian
 8' Fagotto
 8' Saxophone
 8' Orchestral Oboe
 8' Oboe Horn
 8' Dulzian
 4' Orchestral Oboe
 4' Oboe Horn
 Orchestral to Great 16', 8', 4'
 Orchestral to Choir 16', 8', 4'
 Orchestral to Swell 16', 8', 4'
 Orchestral to Solo 8', 4'

REED ORGAN

16' Trumpet
 8' Trumpet
 8' English Horn
 8' Musette
 8' Krummhorn
 8' Kopf Regal
 8' Trichter Regal
 4' Trumpet
 4' Musette
 4' Trichter Regal
 Reed to Great 8'
 Reed to Choir 16', 8', 4'
 Reed to Swell 16', 8', 4'
 Reed to Solo 8'

VIOL ORGAN

16' Grand Viol
 16' Grand Viol Celeste ♭
 16' Viol da Gamba
 16' Viola
 8' Grand Viol
 8' Grand Viol Celeste ♭
 8' Grand Viol Celeste #
 8' Viol da Gamba
 8' Viol da Gamba Celeste ♭
 8' Viol da Gamba Celeste #

8' Viola
 5 1/3' Viola
 4' Grand Viol Celeste #
 4' Viol Octave
 4' Viola
 4' Violetta
 3 1/5' Viol Tierce
 2 2/3' Viol Octave
 2' Violetta
 1 3/5' Viol Tierce
 1 1/3' Viol Larigot
 1' Viol Larigot
 Viol to Great 16', 8', 4'
 Viol to Choir 16', 8', 4'
 Viol to Swell 16', 8', 4'
 Viol to Solo 8', 4'

VOX HUMANA ORGAN

16' Vox Baritone
 8' Vox Baritone
 5 1/3' Vox Baritone
 4' Vox Baritone
 2 2/3' Vox Baritone
 2' Vox Baritone
 8' Vox Contralto
 4' Vox Contralto
 8' Vox Mezzo
 2 2/3' Vox Mezzo
 16' Vox Soprano
 8' Vox Soprano
 Vox to Great 8'
 Vox to Choir 16', 8', 4'
 Vox to Swell 16', 8', 4'
 Vox to Solo 8'

THE TRANSEPT

POSITIV

8' Principal
 8' Holzgedeckt
 8' Quintadena
 4' Principal
 4' Rohrflöte
 2' Octave
 2' Rohrpheife
 1 1/3' Quint
 1' Super Octave
 2 2/3' Sesquialtera II
 2/3' Scharf IV-VI

1/4' Terzimbél II
 1/12' Kunstzimbél
 16' Dulzian
 8' Cromorne

THE GERMAN ORGAN

16' Quintaton
 8' Principal
 8' Rohrflöte
 4' Octave
 4' Spitzflöte
 2' Super Octave
 2' Waldflute
 2' Rauschquint II-III
 1 1/3' Rauschquint III
 1 1/3' Mixture IV-VI
 1/3' Zimbél III-V
 8' Cornet V
 16' Trumpet
 8' Trumpet
 4' Trumpet

THE NAVE

THE NAVE ORGAN

8' Principal
 8' Chimney Flute
 4' Octave
 4' Blockflöte IV
 2' Super Octave
 2' Blockflöte
 1 1/3' Mixture
 16' Trumpet
 8' Trumpet
 4' Trumpet
 Nave to Great 8'
 Nave to Choir 8'
 Nave to Swell 8'
 Nave to Solo 8'

ECHO I

8' Principal
 8' Flauto Camino
 8' Antiphonal Viol
 8' Aeolian Celeste
 8' Harmonic Aetheria III
 4' Octave
 4' Nachthorn

2' Super Octave
 1 1/3' Mixture III
 8' Trompette
 Echo I to Great 16', 8', 4'
 Echo I to Swell 8'
 Echo I to Choir 16', 8', 4'
 Echo I to Solo 16', 8', 4'

ECHO II

8' Principal
 8' Flauto Camino
 8' Antiphonal Viol
 8' Muted Viol
 8' Aeolian Celeste # II
 8' Flute Celeste ♭ II
 8' Unda Maris ♭
 4' Octave
 4' Nachthorn
 4' Unda Maris
 2' Unda Maris
 8' Vox Angelica
 8' Vox Mystica
 Echo II to Great 8'
 Echo II to Choir 8'
 Echo II to Swell 16', 8', 4'
 Echo II to Solo 8'

PROCESSIONAL ORGAN

8' Trompette en Chamade
 8' Grand Cornet V

PEDAL ORGAN

64' Bourdon
 42 2/3' Bourdon
 32' Open Wood
 32' Bourdon
 32' Subbass
 21 1/3' Bourdon
 16' Violone
 16' Major Open Wood
 16' Open Wood
 16' Stenthorn Minor
 16' Contra Bass
 16' Principal (*Great*)
 16' Principal (*Pedal*)
 16' Bourdon (*Harmonic*)
 16' Bourdon (*Solo*)

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16'	Pommer	5 1/3'	Chorus Principal	4'	Harmonic Metal Flute	5 1/3'	Military Trumpet
16'	Rohrflute	5 1/3'	Chorus Diapason	3 1/5'	Open Metal Diapason 17th	5 1/3'	Trombone Quint
16'	Dulciana	5 1/3'	Diapason Sonora	2 2/3'	Open Metal Diapason 19th	4'	Tuba Major
16'	Gemshorn	5 1/3'	Principal	2 2/7'	Stopped Metal Flute 21st	4'	Tuba Sonora
16'	Grand Viol	5 1/3'	English Fifth	2'	Open Metal Diapason 22th	4'	Ophicleide
16'	Contra Viola	5 1/3'	Stenthorn Minor	1 1/3'	Open Metal Diapason 26th	4'	Trombone
16'	Subbass	5 1/3'	Rohrflute	1'	Open Metal Diapason 29th	4'	Military Trumpet
16'	Bourdon (<i>Echo</i>)	5 1/3'	Stopped Flute	2'	Fourniture IV	4'	Trumpet (<i>Reed</i>)
16'	Principal*	4'	Violone	2'	Armonia Grande IV	4'	Cromorne
16'	Subbass*	4'	Principal (<i>Great</i>)	1 1/3'	Mixture VI	4'	Kopf Regal
10 2/3'	Violone	4'	Principal (<i>Harmonic</i>)		Mixture VI*	4'	English Horn
10 2/3'	Open Wood	4'	English Octave		2nd Reed Mixture	4'	Trumpet (<i>Nave</i>)
10 2/3'	Principal	4'	Stenthorn Minor		3rd Reed Mixture	3 1/5'	Trombone Tierce
10 2/3'	Chorus Principal	4'	Salicet		4th Reed Mixture	2 2/3'	Trombone Quint
10 2/3'	Chorus Diapason	4'	Chorus Principal	64'	Ophicleide	2'	Military Trumpet
10 2/3'	Stenthorn Minor	4'	Chorus Diapason	64'	Dulzian	2'	Trombone
10 2/3'	Bourdon	4'	Harmonic Flute	42 2/3'	Dulzian	1 1/3'	Military Trumpet
10 2/3'	Stopped Flute	4'	Nachthorn	32'	Bombard	1'	Military Trumpet
10 2/3'	RohrBourdon*	4'	Rohrflöte	32'	Ophicleide	8 ^{va}	Pedal to Pedal 8'
10 2/3'	Gemshorn	4'	Bourdon	32'	Dulzian		Great A to Pedal 8'
8'	Violone	4'	Dulciana	21 1/3'	Dulzian		Great B to Pedal 8'
8'	Major Open Wood	4'	Principal (<i>Nave</i>)	16'	Tuba Sonora		CC Great B to Pedal 16'
8'	Open Wood	4'	Principal (<i>Echo</i>)	16'	Tuba Major		Choir to Pedal 8'
8'	Principal (<i>Harmonic</i>)	4'	Octave*	16'	Bombard		Swell to Pedal 8', 4'
8'	Schweigel	4'	Harmonic Flute*	16'	Ophicleide		Solo to Pedal 8', 4'
8'	Principal (<i>Pedal</i>)	2 2/3'	Violone	16'	Trumpet (<i>Great</i>)		Harmonic A to Pedal 8', 4'
8'	Chorus Principal	2 2/3'	Chorus Principal	16'	Military Trumpet		Harmonic B to Pedal 8', 4'
8'	Rohrflute	2 2/3'	Stenthorn Twelfth	16'	Trumpet (<i>Reed</i>)		Orchestral to Pedal 8', 4'
8'	Chorus Diapason	2 2/3'	Diapason Sonora	16'	Basson		Viol to Pedal 8', 4'
8'	Cello Major	2 2/3'	Stopped Flute	16'	Fagotto		Reed to Pedal 8'
8'	Stenthorn Major	2'	Violone	16'	Althorn		Echo I to Pedal 8'
8'	Stenthorn Minor	2'	Schwiegel	16'	Trumpet (<i>Nave</i>)		Echo II to Pedal 8'
8'	Diapason Sonora	2'	Principal	16'	Dulzian		Nave to Pedal 8'
8'	Dulciana	2'	Stenthorn 15th	16'	Vox Baritone		Pedal Divider
8'	Gemshorn	2'	Chorus Principal	10 2/3'	Military Trumpet		
8'	Bourdon (<i>Swell</i>)	2'	Diapason Sonora	10 2/3'	Trombone Quint		PERCUSSION
8'	Bourdon (<i>Harmonic</i>)	2'	Principal*	10 2/3'	Fagotto		8' Flemish Bells
8'	Stopped Flute	1 1/3'	Violone	8'	Tuba Sonora		8' Harp (<i>Solo</i>)
8'	Gedeckt	1 1/3'	Principal	8'	Tuba Major		4' Harp (<i>Nave</i>)
8'	Principal	1 1/3'	Chorus Principal	8'	Military Trumpet		4' Chimes (<i>Choir, Great</i>)
8'	Cello	1'	Violone	8'	Ophicleide		2' Chimes (<i>Pedal</i>)
8'	Cello Celeste <i>b</i>	1'	Chorus Principal	8'	Trumpet (<i>Great</i>)		4' Echo Chimes
8'	Subbass	32'	Harmonics III	8'	Trumpet (<i>Reed</i>)		16' Celesta (<i>Solo</i>)
8'	Principal* (<i>Echo</i>)	5 1/3'	Open Wood Diapason 12th	8'	Dulzian		8' Celesta (<i>Solo, Swell, Choir, Pedal</i>)
8'	Bourdon (<i>Echo</i>)	4 4/7'	Open Wood Diapason 14th	8'	Trumpet (<i>Nave</i>)		
8'	Principal (<i>Echo</i>)	16'	Harmonics IX	8'	Vox Baritone		4' Celesta (<i>Solo, Swell, Choir, Great, Pedal</i>)
5 1/3'	Violone	5 1/3'	Open Metal 12th	8'	Trumpet* (<i>Echo</i>)		

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2' Celesta (*Solo, Great, Pedal*)
 Celesta Dampers
 Celesta (*Mustel*)
 Chimes (*Deagan*)
 Chimes (*Maas-Rowe*)
 Turkish Cymbal
 Zimbelstern
 Chinese Gong
 Flemish
 Harp (*Mayland*)
 Bass Drum (*Möller 4'square*)

TREMOLANTS

Choir
 Swell
 Solo 5"
 Solo 10"
 Harmonic
 Orchestral I, II, III
 Viol
 Reed
 Vox Humana
 Echo
 Transept Great
 Great A Ventil
 Registrator (Setter)

CONTROLS

All Swells to Shoe
 All Swells to Shoe
 Selective Strings Crescendo
 Selective Expressive Crescendo

*Additions or alterations
 continually in process.

**Specifications were extracted
 from a master document compiled
 by Grant Chapman, organ curator.
 We thank him for the time and ef-
 fort it took to create this document
 for the convention program.

CONSOLE

Detached, four manuals and pedal.
 IV Solo Manual (CC-c4, 61 notes)
 III Swell Manual (CC-c4, 61 notes)
 II Choir Manual (CC-c4, 61 notes)
 I Great Manual (CC-c4, 61 notes)
 Pedal Clavier (CCC-g3, 32 notes)

COUPLERS

One Hundred and Forty-two Couplers.

EXPRESSION

Four balanced Expression Pedals
 Preparations for two Expression Slides
 Expression Pedals are assignable by Shade Couplers.

ACCESSORIES

Two balanced Crescendo Pedals
 Great & Pedal Crescendo Shoe (300 stages)
 Balanced Grand Crescendo Shoe (300 Stages)
 Thirteen Tremolants

SUMMARY

Keyboard	Plays	Stops	Ranks	Pipes
IV	31	15	15	1083
III	22	21	26	1586
II	32	32	42	2629
I	170	82	112	6915
Pedal	164	51	59	2726
Floating	188	90	101	6711
Total	607	299	384	23,511

874 stop keys

COMBINATION ACTION

Combination action by Syndyne, sixty-four levels of memory.
 30 generals and twelve divisional typical, about 80 reversibles.

ACTION

Originally electro-pneumatic Pitman and Unit Chests, balance mostly
 DE chests.