

# Specification

for

## The Massey Memorial Organ

### Chautauqua Institution, Chautauqua, New York

	STOP NAME	DESCRIPTION/NOTES	PIPES
<b>Great (unenclosed)</b>		3 ½" wind pressure; * denotes 5" wind pressure	
16	Double Open Diapason	1-4 off, 5-24 façade, 25-44 unit;	61
8	Major Diapason *	1-12 in façade	61
8	First Open Diapason	1-12 in façade	61
8	Second Open Diapason	1-12 in façade	61
8	Clarabella		61
8	Gamba *	1907 Warren 8' Gamba pipes, 1972 - moved to Solo as Gamba Celeste, 1993 - original nomenclature and location re-instated	61
8	Dolce		61
8	Dopple Flute *		61
4	Octave *	1993 - new pipes (1926 - Swell Concert Flute pipes used on the 8' Gamba chest channel, basses stored)	61
4	Principal		61
4	Wald Flute		61
4	Viola		61
2 2/3	Twelfth		61
2	Fifteenth		61
III	Mixture *		183
II	Mixture *		122
16	Contra Posaune *	1-12 offset	61
8	Trumpet *		61
4	Clarion *		61
total Great pipes			1342
<b>Swell (expressive)</b>		4" Wind Pressure	
16	Bourdon	1-44 unit	65
8	Open Diapason		65
8	Concert Flute	1907 Warren pipes, 1926 - moved to Great as 4' Octave, basses stored in lower chamber, 1993 - original nomenclature and location reinstated	65
8	Stopped Diapason		65
8	Quintadena		65
8	Viol d'Gamba		65
8	Viol d'Orchestra	1995 - Tuned to celeste with Viol d'Gamba	65
8	Aeoline		65
8	Voix Celeste II		130
4	Octave		65
4	Flute Traverso		65
4	Violina		65
2	Flautina	1976 - re-pitched to 1 3/5 Tierce (basses stored); 1993 - original pitch returned, original nomenclature reinstated	61
IV	Mixture	1972 - renamed "Plein Jeu", 1993 - original nomenclature reinstated	244
16	Contra Fagotto	1972 - renamed "", 1993 - original nomenclature reinstated	65
8	Horn	1972 - Renamed "Corno" - 1993 - original nomenclature reinstated	65
8	Oboe		65
8	Vox Humana	1972 - renamed "Regal", 1993 - original nomenclature reinstated	61
4	Clarion		65
	Tremolo	Total Swell pipes	1471

<b>Choir (expressive)</b>		<b>3 ½" Wind Pressure</b>	
16	Contra Gamba	1-44 unit	65
8	Geigen Principal	1972 – renamed “”, 1993 – Original nomenclature reinstated	65
8	Melodia	1972 – renamed “”, 1993 – Original nomenclature reinstated	65
8	Gedeckt		65
8	Dulciana	1926 – moved to play with Unda Maris on same stop channel; 1993 – separated back out to play independently	65
8	Viol d'Amour	1926 – pipes removed and stored; 1993 – reinstalled	65
8	Unda Maris		65
4	Harmonic Flute		65
4	Fugara	1972 – pipes removed and stored; 1993 – reinstalled	65
2 2/3	Nazard	1926 – new pipes on Viol d'Amour channel	61
2	Harmonic Piccolo		61
1 3/5	Tierce	1926 – new pipes played on Dulciana chest channel	61
III	Cymbel	1972 – new pipes played on Fugara chest channel	189
16	Bassoon		65
8	Cor Anglais		65
8	Clarinet		65
8	Saxophone	labial	65
8	Orchestral Oboe	labial	65
	Chimes	21 tubes, new 1993 (original tubes damaged, currently stored in chamber)	
	Tremolo		
Total Choir pipes			1282
<b>Solo (unenclosed)</b>		<b>9" Wind Pressure; * denotes 5" wind pressure</b>	
8	Stentorphone	1-7 in façade (1926 repitched as Solo 4' Octave, basses stored)	61
8	Gross Flute *	1972 – renamed “”, 1993 – original nomenclature reinstated	61
8	German Gamba *		61
8	Gamba Celeste *	1993 – new pipes (1926 Great Gamba played here)	61
4	Octave	1993 – new pipes (to replace Stentorphone pipes above)	61
4	Harmonic Flute *		61
V	Grand Harmonics	1972 – new pipes on new chest	305
16	Tuba	1-44 unit	61
8	Tuba		61
8	Bell Clarinet *		61
4	Tuba		61
	Chimes	from Choir	
	Tremolo	affects only 5" wind pressure stops	
Total Solo pipes			915
<b>Pedal (unenclosed)</b>			
32	Double Open Diapason		44
32	Sub Bourdon		44
16	Major Diapason		44
16	Open Diapason	from Great	0
16	Violone	wood	44
16	Dulciana		44
16	Bourdon	extension of 32' Bourdon	12
16	Gamba	from Choir	
16	Leiblich Gedeckt	from Swell	
8	Octave	1926 – extension of 32' Double Open	24
8	Violincello		44
8	Spitzprincipal	1972 – new pipes on new windchest	44
8	Bass Flute	1-4 offset	44
4	Spitzprincipal	1972 – new pipes, extension of 8' Spitzprincipal	12
III	Mixture	1972 – new pipes on new windchest	132
32	Bombarde	2003 – new pipes on new windchest, extension of Solo 16' Tuba (9" WP); Gift of the Rueckert family	12
16	Bombarde	from Solo 16' Tuba	
16	Trombone		44
8	Trumpet		44
Total Pedal pipes			632
Total Ranks: 93			<b>Total pipes 5640</b>

#### Couplers:

Great  
Swell to Great 16  
Swell to Great 8  
Swell to Great 4  
Choir to Great 16  
Choir to Great 8  
Choir to Great 4  
Solo to Great 16  
Solo to Great 8  
Solo to Great 4  
Great to Great 16  
Great Unison Off  
Great to Great 4

#### Swell

Solo to Swell 16  
Solo to Swell 8  
Solo to Swell 4  
Swell to Swell 16  
Swell Unison Off  
Swell to Swell 4

#### Combination Pistons:

1 – 9 Affecting Great (thumb)  
1 – 9 Affecting Swell (thumb)  
1 – 9 Affecting Choir (thumb)  
1 – 9 Affecting Solo (thumb)  
1 – 9 Affecting Pedal (toe)  
1 – 17 Affecting full organ (thumb and toe)  
General Cancel  
Set

#### Reversibles:

Great to Pedal (thumb and toe)  
Swell to Pedal (thumb and toe)  
Choir to Pedal (thumb and toe)  
Solo to Pedal (thumb and toe)  
Tutti (thumb and toe)  
All Swells to Swell (thumb and toe)

#### Control Pistons:

MIDI Registration Off  
Setup  
Memory Select  
Zimbelstern  
Glockenstern

#### Control System Features:

35 levels of combination memory  
3 levels of system security  
Digital LED readouts for Memory Level  
and Crescendo position

#### MIDI Features and Equipment:

Record/playback sequencer

#### Choir

Solo to Choir 16  
Solo to Choir 8  
Solo to Choir 4  
Swell to Choir 16  
Swell to Choir 8  
Swell to Choir 4  
Choir to Choir 16  
Choir Unison Off  
Choir to Choir 4

#### Solo

Solo to Solo 16  
Solo unison Off  
Solo to Solo 4

#### Pedal

Great to Pedal 8  
Great to Pedal 4  
Swell to Pedal 8  
Swell to Pedal 4  
Choir to Pedal 8  
Choir to Pedal 4  
Solo to Pedal 8  
Solo to Pedal 4  
Pedal Octaves

#### Console data:

Console meets all AGO standards  
1972 keyboards (4), ivory naturals, ebony sharps,  
4 oz. touch, 9 mm motion  
1972 concave and radiating pedal keyboard  
1972 cherry cabinet  
1972 movable dolly  
1972 Balanced pedals for Choir Expression, Swell  
Expression and 25 level Crescendo  
Manual Compass – CC to c, 61 notes  
Pedal Compass – CCC to G 32 notes  
Stops and intramanual couplers by drawknob  
Intermanual couplers by rocker tablet  
Adjustable bench (2004)

#### Other Data:

Tuning – A-440 Hz @ 70°F, equal temperament  
Voicing – American symphonic  
**No artificial temperature or humidity control**  
16 Position servo-motors for Swell and Choir  
expression

Original organ – 1907 Warren Church Organ Co.,  
Woodstock Ontario, Canada

Original pipes by the Anton Gottfreid Organ Pipe  
Company, Erie, PA

1926 and 1972 work done by M. P. Möller Co.,  
Hagerstown, MD

1993 reconstruction – Fischer Pipe Organs, Inc.,  
Erie, PA; pitman action windchests

