

M. P. MOLLER Organ Factory

3/39

Pipe Organ No. R-864 Date April 14, 1972
 For GRACE EPISCOPAL CHURCH, PORT HURON, MICHIGAN
 Action Electro-Pneumatic Console Detached
 Casing No. No Change Finish To sample to be submitted
 Decorations No Change Motor Present 5 H.P. Spencer Blower
 Width of Key-bed Standard Stop Controls Draw Knobs and Tilt
 No. Manuals THREE AND PEDAL - English Keys Wind Pressure Gr. 7-1/4" SW + Choir 7-1/2" IAD
 To be Completed December 31, 1972 Blower Pipe furnished by No Change

SPECIFICATIONS

FOR

REBUILDING PRESENT E. M. SKINNER ORGAN Op 702 1928 3/36

CONSOLE Install new three manual electro-pneumatic detached draw knob type console, pedal keyboard and organ bench.

MANUAL CHESTS Releather 1900 manual pipe pouches.
 Install 1900 new stop action checks and eyelets.
 Releather 27 stop action primaries and install new outside type magnets.
 Releather three 73 note primary stations and install new outside type magnets.
 Provide Great 16 Quintaton primary station #15 - #32 incl.

OFFSET CHESTS Releather the following offset chests and install new outside type magnets:

Great 16 Quintaton	-	#1 to #14 incl.	-	14 notes
Great 8 Open Diapason	-	#1 to #12 incl.	-	12 notes
Great 8 Hohl Flöte	-	#1 to # 6 incl.	-	6 notes
Swell 8 Spitz Principal	-	#1 to #10 incl.	-	10 notes
Swell 8 Rohrflöte	-	#1 to # 8 incl.	-	8 notes
Swell 8 Viola	-	#1 to # 6 incl.	-	6 notes
Choir 8 Concert Flute	-	#1 to #12 incl.	-	12 notes
Choir 8 Dulciana	-	#1 to # 6 incl.	-	6 notes
Choir 2 Fifteenth	-	#1 to # 6 incl.	-	6 notes

SWITCHES Provide the following new switches with stop actions:

Great 16 Quintaton	-	#1 to #14 ^{#32} incl.	-	14 ³² notes
Great 8 Open Diapason	-	#1 to #12 incl.	-	12 notes
Great 8 Hohl Flöte	-	#1 to # 6 incl.	-	6 notes
Great Chimes	-	#20 to #44 incl.	-	25 notes
Great Station cut-out	-	#1 to #73 incl.	-	73 notes
Swell 8 Spitz Principal	-	#1 to #10 incl.	-	10 notes
Swell 8 Rohrflöte	-	#1 to #8 ^{#32} incl.	-	8 ³² notes
Swell 8 Viola	-	#1 to #6 incl.	-	6 notes
Swell 16 Waldhorn	-	#1 to #56 incl.	-	56 notes
Swell Station cut-out	-	#1 to #73 incl.	-	73 notes
Choir 8 Concert Flute	-	#1 to #12 incl.	-	12 notes
Choir 8 Dulciana	-	#1 to #6 incl.	-	6 notes
Choir 2 Fifteenth	-	#1 to #6 incl.	-	6 notes
Choir Station cut-out	-	#1 to #73 incl.	-	73 notes

PEDAL ORGAN

Releather 16 Open Diapason action #1 to #44 incl. and install new outside type magnets.

Releather 16 Bourdon action #1 to #56 incl. and install new outside type magnets.

Releather 16 Echo Bourdon action #1 to #12 incl and install new outside type magnets.

Releather 8 Rohrflöte pedal primary station #1 to #32 incl. and install new outside type magnets.

Releather 16 Waldhorn pedal primary station #1 to #32 incl. and install new outside type magnets.

Install new 16 Waldhorn pedal primary station #33 to #56 incl. - 24 notes with outside type magnets.

Install new 16 Open Diapason action #45 to #56 incl. - 12 notes.

Install new II Rauschquint action #1 to #32 incl. - 32 notes.

Install new 32 note pedal relay with ~~twelve~~ ^{thirteen} (13) 32 note switches.

CHIMES

Present ²¹ ~~23~~-note chime tubes and action to be reused without change.

EXPRESSION

Recover Three whiffletree expression actions and install new outside type magnets.

RESERVOIRS

Recover the following reservoirs:

One (1) 3'-0" x 5'-0" Blower Reservoir
 Two (2) 3'-0" x 4'-0" Manual Reservoirs
 One (1) 2'-6" x 3'-6" Manual Reservoir
 One (1) 3'-0" x 4'-0" Pedal Open Diapason Reservoir
 One (1) _____ x _____ Pedal Bourdon Reservoir

TREMOLO

Install three (3) new electro-pneumatic tremolos.

PIPES

Install the following new pipes: 19

Great	16	Quintaton	#1 to #73 incl.-	73 pipes
Great	8	Open Diapason	#1 to #73 incl.-	73 pipes
Great	2	Fifteenth	#1 to #61 incl.-	61 pipes
Great	II	Sesquialter TC	#13 to #61 incl.-	98 pipes
Great	III	Mixture	#1 to #61 incl.-	183 pipes
Swell	8	Spitz Principal	#1 to #73 incl. -	73 pipes
Swell	16	Waldhorn	#1 to 61 ^{#73} incl. -	61 ⁷³ pipes
Swell	8	Trumpet	#1 to #73 incl. -	73 pipes
Swell	4	Clarion	#1 to 61 ^{#73} incl. -	61 ⁷³ pipes
Choir	2	Fifteenth	#1 to #61 incl. -	61 pipes
Choir	1-1/3	Nineteenth	#1 to #61 incl. -	61 pipes
Choir	II	Cymbel	#1 to #61 incl. -	122 pipes
Choir	8	Solo Trumpet	#1 to #61 incl. -	61 pipes
Pedal	II	Rauschquint	#1 to #32 incl. -	64 pipes

- PIPES (continued) Revoice Choir 8 Clarinet #1 to ~~61~~^{#73} incl. - ~~61~~⁷³ pipes.
Install new metal slide tuners as required for present metal pipes.
Repack stoppers on all present wood pipes.
Tune and tone regulate organ.
- CABLES Install new cables and action current wires between console and organ and within organ.
- ACTION CURRENT Supply and install new 10-15 Volt, 30 Ampere DC organ power unit.
- BLOWER Present blower to be re-used without change.
- GENERAL Entire organ with exception of blower to be returned to factory of M. P. Möller, Inc. at Hagerstown, Md. for rebuilding and to be re-installed in existing organ chambers as specified above.

SPECIFICATIONS FOR CONSOLE AND ORGAN

- MANUAL COMPASS CC to C4 - 61 notes
- PEDAL COMPASS CCC to G, 32 notes
- WIND PRESSURE Gr. 7-1/4", Sw. + Choir 7-1/2", Ped. 6" x 7-1/2"
- PITCH A-440 @ 70°F

GREAT ORGAN (Expressive) II

- 1 16 Quintaton.....new pipes, present First Diapason action..73 pipes
- 2 8 Open Diapason.....new pipes, present Second Diapason action.73 pipes
- 3 8 Hohl Flute.....present Clarabella pipes, present Clarabella action73 pipes
- 4 4 Octave.....present 4 Principal pipes, present 4 Principal action73 pipes
- 5 4 Flute Triangular.....present Swell 4 Flute Triangular pipes, present 4 Flute action.....~~61~~⁷³ pipes
- 6 2 Fifteenth.....new pipes, present Tromba action.....61 pipes
- 7 II Sesquialtera TC.....new pipes, present II Grave Mixture action98 pipes
- 8 III Mixture.....new pipes, present III Mixture action....183 pipes
- 9 Chimes.....~~present tubes and electric action~~.....25 tubes
- 10 Tremolo

present Deagan Class "A" tubes, electric action & relays, new volume control switch & relays - 21 tubes installed near present transformer in organ chamber

SWELL ORGAN (Expressive) 15

11	8	Spitz Principal.....new pipes, present Diapason action.....	73 pipes
12	8	Rohrflöte.....present pipes, present action.....	73 pipes
13	8	Viola.....present Choir Cello pipes, present Salicional action.....	73 pipes
14	8	Viola Celeste TC.....present Voix Celeste pipes, present Voix Celeste action.....	61 pipes
15	4	Octave.....present pipes, present action.....	73 61 pipes
16	4	Flute Harmonic.....present Great 4 Flute pipes, present Flute Triangular action.....	73 61 pipes
17	V	Mixture.....present pipes, present action.....	305 pipes
18	16	Waldhornnew pipes, present 16 Contra Oboe action.....	73 61 pipes
19	8	Trumpet.....new pipes, present Cornopean action.....	73 pipes
20	8	Clarinet.....present Choir 8 Clarinet pipes, present 8 Oboe action.....	73 61 pipes
21	4	Clarion.....new pipes, present Vox Humana action...	73 61 pipes
22		Tremolo	

CHOIR ORGAN (expressive) 9

23	8	Concert Flute.....present pipes, present action.....	73 pipes
24	8	Dulciana.....present pipes, present action.....	73 pipes
25	8	Unda Maris TC.....present pipes, present action.....	61 pipes
26	4	Flute Harmonic.....present pipes, present action.....	73 pipes
27	2	Fifteenth.....new pipes, present 8 Cello action.....	61 pipes
28	1-1/3	Nineteenth.....new pipes, present 2 Piccolo action.....	61 pipes
29	II	Cymbal.....new pipes, present 8 Clarinet action....	122 pipes
30	8	Solo Trumpet.....new pipes, present 8 French Horn action..	73 pipes
31		Tremolo	

PEDAL ORGAN (*) 4

32	16	Open Diapason.....1-12 present wood pipes, 13-56 present Great Second Diapason pipes, present 16 Open Diapason action 1-44, new action 45-56.....	56 pipes
33	16	Bourdon.....present pipes, present action.....	56 pipes
34	16	Echo Bourdon.....present pipes, present action 1-12, 20 from #12.....	32 notes
35	8	Diapason.....from #32.....	32 notes
36	8	Gedeckt.....from #33.....	32 notes
37	8	Rohrflöte.....from #12.....	32 notes
38	4	Octave.....from #32.....	32 notes
39	4	Flute.....from #33.....	32 notes
40	II	Rauschquint.....new pipes, new action.....	64 pipes
41	16	Waldhorn.....from #18.....	32 notes
42	8	Tromba.....from #18.....	32 notes
43	4	Clarion.....from #18.....	32 notes
43a	16	Quintaton from #1	32 notes

(*) Pedal Organ to play thru new pedal relay and switches.

COUPLERS

44	Great to Pedal	55	Swell to Choir 16
45	Swell to Pedal	56	Swell to Choir
46	Swell to Pedal 4	57	Swell to Choir 4
47	Choir to Pedal	58	Great Unison Off
48	Choir to Pedal 4	59	Swell 16
49	Swell to Great 16	60	Swell Unison Off
50	Swell to Great	61	Swell 4
51	Swell to Great 4	62	Choir 16
52	Choir to Great 16	63	Choir Unison Off
53	Choir to Great	64	Choir 4
54	Choir to Great 4		

ADJUSTABLE COMBINATIONS

CAPTURE TYPE (single setter)

*Pistons No. 1-2-3-4-5	Affecting Great Stops
Pistons No. 1-2-3-4-5-6	Affecting Swell Stops
Pistons No. 1-2-3-4-5	Affecting Choir Stops
Pistons No. 1-2-3-4-5	Affecting Pedal Stops (duplicated by toe studs)
Pistons No. 1-2-3-4-5-6	Affecting Full Organ (duplicated by toe studs)
General Cancel (Affects Sforzando)	
* Provide an extra DK rod affected by combinations for future DK addition	
Adjustable Piston (No engraving)	

PEDAL MOVEMENTS

- 1 - Great to Pedal Reversible (duplicated by manual piston)
- 2 - Swell to Pedal Reversible (duplicated by manual piston)
- 3 - Balanced Expression Pedal - Great Organ (16 contacts, regular system)
- 4 - Balanced Expression Pedal - Swell Organ (16 contacts, regular system)
- 5 - Balanced Expression Pedal - Choir Organ (16 contacts, regular system)
- 6 - Balanced Crescendo Pedal with indicator light (Green jewel)
- 7 - Sforzando Reversible (duplicated by manual piston) with indicator light (red jewel)

ACCESSORIES

Concave and radiating pedal keyboard

Adjustable
Organ bench with music shelf

Light for music rack

Light for pedal keyboard

Present motor and blower to be re-used

New DC Organ power unit of ample capacity

Zimbelstern - Bells & action. Controlled by toe lever reversible.