

M. P. MÖLLER Organ Factory

4170

Pipe Organ No. R-975 Date June 6, 1977
 For HOLY TRINITY LUTHERAN CHURCH, BUFFALO, NEW YORK
 Action Electro-Pneumatic Console Present - Detached
 Casing No. Present - No change Finish No change
 Decorations None Motor Present 15 HP, Style 6-P-3330
 Width of Key-bed Standard Stop Controls Draw Knobs & Tilting Tablets
 No. Manuals FOUR AND PEDAL - Level Wind Pressure Dr. 3" x 5" Sw. Ch. & Ped. 4",
Dns. 3"
 To be Completed December 25, 1977 Blower Pipe furnished by Purchaser

SPECIFICATIONS

FOR

REBUILDING, CHANGING TONALLY, AND ADDING TO
 PRESENT MÖLLER ORGAN OPUS 7852 - 1949
 A-7852 - 1966

CONSOLE

Reuse present console rebuilding same as follows:

- Replace all draw knobs and tilting tablets and install additional as required to conform to new specifications.
- Replace combination piston buttons and springs and install additional pistons and combination action as required to conform to new specifications.
- Replace all markers.
- Replace all stop control and coupler control contacts.
- Replace all coupler pneumatics.
- Replace reversible pneumatics.
- Recover all on-off pneumatics.
- Recover all coupler, on-off, and reversible primaries and install all new magnet armatures.
- Replace crescendo and expression pedal pads and edging. (eliminate unused pedal)
- Install new contact rollers for crescendo and expression pedals.
- Replace burrs and felt washers.
- Replace all pedal key caps.
- Refelt pedal keyboard and install new insulating bushings.
- Refelt console as required.
- Recover reservoir.
- Recover roll top
- Clean and polish keys

General - console when rebuilt to be equal to new with any engineering improvements developed since original construction incorporated.

REMOTE CONTROL COMBINATION ACTION

- Install additional combination action as required to conform to new specifications.
- Recover all stop and setter pneumatics and primaries and install new magnet armatures.

MANUAL CHESTS

Recover 2741 manual pipe pouches.
 Install 2602 stop action checks and eyelets.
 Install 84 duplex shifters.
 Recover nine 61 note primary stations and install new magnet armatures.
 Recover 46 stop action primaries and install new magnet armatures.
 Recover the following pedal stations and install new magnet armatures:

Great 16 Pommer Gedeckt	#13-32
Swell 16 Rohrbass	#13-32 (use as unit)
Swell 16 Fagotto	#13-44
Choir 8 Dolcan	# 6-20

Rework and/or provide new toeboard/rackboard assemblies as required for tonal changes.

Provide new actions as required for additions.

OFFSET & UNIT ACTIONS

Recover the following actions and install new magnet armatures:

Great 16	Pommer Gedeckt	12 notes
Great 8	Principal	12 notes
Swell 16	Rohrbass	12 notes
Swell 8	Spitzprincipal	8 notes
Swell 8	Flauto Dolce	6 notes
Swell 16	Fagotto	12 notes
Swell 8	Vox Humana	61 notes
Choir 8	Viola	5 notes
Choir 8	Dolcan	5 notes
Positiv 8	Trichter Regal	61 notes

Unify Swell 16 Rohrbass #33-73.

Provide new actions as required for additions.

CONTACT BOXES

Recover single conductor contact boxes needed for offsets.

SWITCHES

Recover switches with stop actions and install new magnet armatures for the following:

Great "A" station cutout	61 notes
Great "B" station cutout	61 notes
Great Chimes	21 notes
Swell "A" station cutout	61 notes
Swell "B" station cutout	61 notes
Swell "C" station cutout	61 notes
Swell "D" station cutout	61 notes
Swell 8 Vox Humana	61 notes
Choir "A" station cutout	61 notes
Choir "B" station cutout	61 notes
Positiv station cutout	61 notes
Positiv 8 Trichter Regal	61 notes
Pedal 4 Trichter Regal	32 notes

Install new switches with stop actions as required for tonal changes and additions.

PEDAL ORGAN

Recover the following actions and install new magnet armatures:

16 Principal	56 notes
16 Bourdon	44 notes
16 Dolcan	12 notes
4 Spitzflöte	32 notes (pitman)
III Mixture	32 notes (pitman)
III Cymbale	32 notes (pitman)
32 Contre Bombarde	56 notes (#13-68)

Rework and/or install new toeboard/rackboard assemblies as required for tonal changes.

Provide new actions as required for additions.

Install new 32 note pedal relay with necessary switches.

EXPRESSION

Recover two 10 note, two 8 note, and three 3 note expression actions and install new magnet armatures.

Recover 45 shade pneumatics.

Install 45 new shade jacks and connecting rods.

Refelt shades.

RESERVOIRS

Recover the following reservoirs and install new curtain valves as required:

One 3'-0" x 5'-0" manual
 Three 2'-6" x 5'-0" manual
 One 3'-0" x 4'-0" manual
 One 2'-0" x 3'-0" manual
 One 2'-6" x 2'-6" reducer
 Three 1'-6" x 2'-6" offset
 Two 1'-6" x 2'-0" offset
 Four expression
 One 4'-0" x 4'-0" blower
 One 1'-6" x 2'-6" offset (Comb. action)

TREMOLOS

Recover Present ~~Install new~~ electro-pneumatic tremolos ~~throughout.~~ and install new magnet armatures

PIPES

Install new pipes required for tonal changes and additions indicated in organ specifications.

Revoice all pipes being reused.

Repack all wood pipe stoppers.

CABLES

Reuse present cables and action current wires.

Install additional cables and action current wires as required for console mobility and additions.

ACTION CURRENT

Install new 10-15 volts, 50 amperes DC organ power unit.

BLOWER

Reuse present 15 HP, Style 6-P-3330 motor and blower without change.

Install new motor-blower coupling leathers.

Install new 14" diameter flexible connection with draw bands.

GENERAL

All parts specified above to be rebuilt to be returned to the factory of M. P. Moller, Inc. at Hagerstown, Maryland.

All parts from present instrument not required to complete this instrument become the property of M. P. Möller, Inc.

SPECIFICATIONS
FOR
CONSOLE AND ORGAN

MANUAL COMPASS
PEDAL COMPASS
WIND PRESSURE
PITCH

CC to C4, 61 notes

CCC to G, 32 notes

Gr. 3" & 5", Sw. Ch. & Ped. 4", Pos. 3"

A-440 @ 70°F

GREAT ORGAN - Manual II is
Unenclosed

1	16	Pommer Gedeckt.....#1-12 present Quintaton pipes, #13-61 new pipes; present Quintaton action.....61 pipes
2	8	Principal.....new pipes; present Diapason action.....61 pipes
3	8	Gemshorn.....present pipes and action.....61 pipes
4	8	Orchestral Flute..new pipes; new action.....61 pipes
5	8	Bourdon#1-12 present pipes, #13-61 new pipes; present action.....61 pipes
6	4	Octave.....new pipes; present action.....61 pipes
7	4	Rohrflöte.....new pipes; present 2-2/3 Octave Quint action..61 pipes
8	2	Super Octave.....new pipes; present action.....61 pipes
9	2	Blockflötenew pipes; present III Mixture-1-1/3 action...61 pipes
10	III-V	Fourniture (1-1/3)..new pipes; present III Mixture- 1 action...220 pipes
11	III	Scharf (2/3)new pipes; present III Mixture - 2/3 action..183 pipes
12	16	Posaune (1/2 L)..new pipes and action73 pipes
13	8	Trompettefrom #12.....61 notes
14		Tremolo
15		Chimespresent Deagan 'D' tubes, A to F, #22 to 42; new action, transformer, volume control and relays21 tubes
16	8	Trompette en Chamade....new pipes and action (affected by Great 4 coupler only)61 pipes

* Exposed

SWELL ORGAN - Manual III ²
Enclosed

17	16	Rohrbass.....#1-24 present Lieblichgedeckt pipes, #25-73 new pipes; present Lieblichgedeckt action unified thruout.....73 pipes
18	8	Rohrflötefrom #17.....61 notes
19	8	Spitzprincipal...#1-12 present Geigen Principal pipes, #13-61 new pipes; present Geigen Principal action61 pipes
20	8	Gambapresent pipes and action.....61 pipes
21	8	Gamba Celeste....#1-12 new pipes, #13-61 present pipes; present Rohrflöte action.....61 pipes
22	8	Flauto Dolce.....present Flute Dolce pipes and action.....61 pipes
23	8	Flauto Dolce Celeste TC...present Flute Dolce Celeste TC pipes; present Gamba Celeste TC action.....49 pipes
24	4	Octave.....new pipes; present Geigen Octave action.....61 pipes
25	4	Flute Triangular..present pipes and action.....61 pipes
26	2-2/3	Nazard.....new pipes; present III Plein Jeu - 2 action...61 pipes
27	2	Zauberflötenew pipes; present III Plein Jeu - 1-1/3 action61 pipes
28	1-3/5	Tierce TCnew pipes; present 8 Flute Dolce Celeste TC action49 pipes
29	III-V	Plein Jeu (1) ...new pipes; present III Plein Jeu - 1 action..244 pipes
30	16	Fagottopresent pipes and action61 pipes
31	8	Trompette.....new pipes; present Trumpet action.....61 pipes
32	8	Oboepresent pipes and action.....61 pipes
33	8	Vox Humana.....SSB present Positiv 8 Regal pipes; present action61 pipes
34	4	Clairon.....new pipes; present action.....61 pipes
35		Tremolo

CHOIR ORGAN - Manual I ¹⁵
Enclosed

36	8	Viola.....present pipes and action.....61 pipes
37	8	Spillflöte#1-12 present Concert Flute pipes, #13-61 new pipes; present Concert Flute action61 pipes
38	8	Dolcan.....present Dulciana pipes and action.....61 pipes
39	8	Dolcan Celeste TC...present Unda Maris TC pipes and action.....49 pipes
40	4	Fugara.....present Gemshorn pipes and action.....61 pipes
41	4	Nachthorn.....present pipes; present 2-2/3 Nazard action...61 pipes
42	2	Principalnew pipes; present Flautino action61 pipes
43	III-IV	Klein Mixture (2) 1-2/3...new pipes and action208 pipes
44	II	Jeu de Clochette..new pipes and action.....122 pipes
45	16	Bass Clarinetnew pipes; present 4 Nachthorn action.....61 pipes
46	8	Cor Anglais.....present pipes and action.....61 pipes
47		Tremolo
48	8	Harp TCnew bars and action istalled in Swell Organ...49 bars

POSITIV ORGAN - Manual IV 15
Unenclosed

49	8	Orchestral Flute.....from #4	61 notes
* 50	8	Holzgedecktpresent Gedackt pipes and action.....	61 pipes
51	4	Prinzipal.....new pipes and action	61 pipes
* 52	4	Koppelflöte.....present pipes and action	61 pipes
* 53	2	Oktavpresent Prinzipal pipes and action.....	61 pipes
* 54	1-1/3	Larigotpresent Quintflöte pipes and action.....	61 pipes
* 55	1	Klein Oktavpresent Oktav pipes and action	61 pipes
56	II	Sesquialteranew pipes and action	122 pipes
57	III-V	Zimbel (1/2)..... new pipes and action	220 pipes
* 58	8	Trichter Regal....new pipes; present Regal action.....	61 pipes
59	4	Rohr Schalmel....new pipes and action.....	61 pipes
60		Tremolo	
61	8	Trompette en Chamade.....from #16	61 notes

- (1. Cancels all other positiv stops when drawn
(2. Affected by Positiv to Choir 16 & 8 couplers only)

* Exposed

** PEDAL ORGAN 10

6/a.	IV	<i>Harmonics (32) - #63 & #64</i>	<i>32 notes</i>
62	32	Contra Bourdon (12 notes electronic, #13 up from #64)	32 notes
63	16	Principal..... #1-24 present pipes, #25-68 new pipes; #1-56 present action, #57-68 new action.....	68 pipes
64	16	Bourdon.....present pipes and action.....	44 pipes
65	16	Rohrbassfrom #17.....	32 notes
66	16	Pommer Gedeckt.....from #1.....	32 notes
67	16	Dolcan #1-12 present Dulciana pipes & action; #13 up from #38	32 notes
68	10-2/3	Quint.....from #17 <i>not affected by combinations</i>	32 notes
69	8	Octave.....from #63.....	32 notes
70	8	Bourdon.....from #64.....	32 notes
71	4	Super Octave.....from #63.....	32 notes
72	4	Spitzflöte.....new pipes; present III Mixture - 3-1/5 action....	32 pipes
73	2	Octavin.....from #63	32 notes
74	III	Mixture (2-2/3)..new pipes; present III Mixture - 2-2/3 action..	96 pipes
75	III	Cymbale (1).....new pipes; present III Mixture - 2 action....	96 pipes
76	32	Contre Bombarde (1/2 L) #1-12 new pipes & action; #13-68 present 16 Posaune pipes & action.....	68 pipes
77	16	Bombarde.....from #76	32 notes
78	16	Posaune.....from #12	32 notes
79	16	Fagottofrom #30	32 notes
80	16	Bass Clarinet.....from #45	32 notes
81	8	Trompettefrom #76	32 notes
82	8	Fagottofrom #30	32 notes
83	8	Trompette en Chamade.....from #16	32 notes
84	4	Trichter Regalfrom #58	32 notes
85	4	Clairon.....from #76	32 notes

** Pedal Organ playable thru new relay and switches

COUPLERS*Multiple Contacts & Switches*

86	Great to Pedal	100	Great to Choir
87	Swell to Pedal	101	Swell to Choir 16
88	Swell to Pedal 4	102	Swell to Choir
89	Choir to Pedal	103	Swell to Choir 4
90	Choir to Pedal 4	104	Positiv to Choir 16 (affects Tr.enCh.)
91	Positiv to Pedal	105	Positiv to Choir (affects Tr.enCh.)
92	Swell to Great 16	106	Positiv to Swell
93	Swell to Great	107	Great Unison Off
94	Swell to Great 4	108	Great 4 (affects Tr. enCh.)
95	Choir to Great 16	109	Swell 16
96	Choir to Great	110	Swell Unison Off
97	Choir to Great 4	111	Swell 4
98	Positiv to Great 16	112	Choir 16
99	Positiv to Great	113	Choir Unison Off
		114	Choir 4

ENSEMBLES

Pistons No. I - II - III - IV - V with indicator lights *amber* (blue jewels)
 (Each cancels other or itself previously engaged.
 Not affected by general cancel)

ADJUSTABLE COMBINATIONS

(Remote control combination action)

Pistons No. 1-2-3-4-5-6-7	Affecting Great
Pistons No. 1-2-3-4-5-6-7	Affecting Swell
Pistons No. 1-2-3-4-5-6-7	Affecting Choir (4-5-6-7 also duplicate Positiv 1-2-3-4 controlled by on-off switch)
Pistons No. 1-2-3-4	Affecting Positiv
Pistons No. 1-2-3-4-5-6-7	Affecting Pedal (duplicated by toe studs)
Pistons No. 1-2-3-4-5-6-7-8-9-10-11-12	Affecting Full Organ (duplicated by toe studs)
General Cancel	
Combination setter piston	

REVERSIBLES

Great to Pedal - manual piston and toe stud
 Swell to Pedal - manual piston and toe stud - affecting 4 in off movement
 Choir to Pedal - manual piston and toe stud - affecting 4 in off movement
 Positiv to Pedal - manual piston and toe stud
 Swell to Great - manual piston
 Positiv to Great - manual piston
ff Sforzando - manual piston and toe stud with indicator light (red jewel)
 32 Contre Bombarde - toe stud
 32 Contra Bourdon - toe stud
 32 Harmonics - toe stud with indicator light (amber jewel)
 Zimbelstern - toe stud *lower*

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (25 contacts - regular system)
Balanced Expression Pedal - Choir Organ (25 contacts - regular system)
Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Concave, radiating pedal clavier
Organ bench with music shelf
Transparent music rack with light
Pedal light
~~Special lights for draw knob terraces~~
~~Signal lights - three white jewels~~
~~Motor starter switch~~
Movable platform for console
Stop control and coupler numerals
Zimbelstern - 5 bells
Present motor and blower
New DC organ power unit

Bench adjustment blocks