

K. M. Möller

M. P. MÖLLER Organ Factory

Pipe Organ No.	R-106	3-94	Date	July 31, 1979
For	FIRST PRESBYTERIAN CHURCH, BETHLEHEM, PENNSYLVANIA			
Action	Electro-Pneumatic	Console	Present - Detached - Movable	
Casing No.	Present Grilles	Finish	No change	
Decorations	None	Motor	Present 15 HP, Style 6-P-3330	
Width of Key-bed	Standard	Stop Controls	Draw Knobs & Tilting Table	
No. Manuals	THREE AND PEDAL	GR. 3" + 6" SW. & CH. 4" PS. 3" Ped. 3" 4" + 6"	Wind Pressure	
To be Completed	April 30, 1980	Blower Pipe furnished by	Purchaser	

SPECIFICATIONS

FOR

REBUILDING, CHANGING TONALLY, AND ADDING TO
PRESENT MÖLLER ORGAN OPUS 8768 - 1954, A-8768 - 1961
(CASAVANT POSITIV & MISC. PIPE CHANGES - 1970)

CONSOLE

Reuse present console, rebuilding same as follows:

Replace all tilting tablets, drawknobs, piston heads, and markers.
Recover all coupler switch pneumatics.
Recover all coupler primaries and install new armatures.
Replace right drawknob terrace.
Rework and/or rewire couplers and combinations as required.
Replace crescendo and expression pedal pads and edging.
Replace burrs and felt washers as required.
Rebuild pedal keyboard as required.
Refelt console action as required.
Recover reservoir.
~~Add tracker touch to all three manuals~~ *Install new manual keyboard with tracker touch*
~~Replace key slip on Great manual.~~
Furnish and install electrically adjustable bench.
Clean and polish console cabinet and pedal keyboard.

MANUAL & PEDAL PITMAN CHESTS

Recover 2829 manual pipe pouches.
Replace 2644 stop action checks and eyelets.
Replace 104 duplex shifters.
Recover eight 61 note and one 32 note primary stations and install new magnet armatures.
Recover 47 stop action primaries and install new magnet armatures.
Recover Great 16 Quintaton pedal primary #13-32 and install new magnet armatures.
Recover Swell 16 Fagot pedal primary #13-32 and install new magnet armatures.
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	Quintaton	12 notes
Great	8	Trompette	61 notes
Great	8	Prinzipal	12 notes
Swell	16	Rohrbass	73 notes
Swell	16	Petite Bombarde	12 notes
Swell	8	Flute Celeste II	12 notes
Swell	8	Voix Humaine	61 notes
Choir	16	Erzahler	73 notes
Choir	4	Rohrschalmei	61 notes

CHIMES

Recover action and install new magnet armatures.
Recover pneumatics.
Refelt action.

CONTACT BOXES

Install new single conductor contact boxes for:

Great	16	Quintaton	12 notes
Great	8	Prinzipal	12 notes
Swell	16	Petite Bombarde	12 notes
Swell	8	Flute Celeste II	12 notes

RELAY

Reuse present manual relay without change.

SWITCHES

Recover present switches and stop actions and install new magnet armatures.
Rework switches as required for tonal changes.
Provide new switches as needed for additions.

PEDAL ORGAN

Recover the following actions and provide new magnet armatures.

16	Principal	24 notes
16	Bourdon	32 notes
4	Nachthorn	32 notes
16	Bombarde	32 notes
8	Trompette	44 notes

Reuse present relay, providing new contact blocks and rewiring as required for tonal changes, etc.
Reuse present switches to greatest practical extent, recovering same and installing new magnet armatures.
Provide new switches as needed.

EXPRESSION

Recover four 10 note, and six 3 note expression actions and install new magnet armatures.
Recover 58 shade pneumatics.
Replace 58 shade jacks and connecting rods.
Refelt shades.

RESERVOIRS

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

One 4'-0" x 6'-0" blower
Three 3'-0" x 4'-0" manual
Four 2'-6" x 4'-0" manual
One 1'-11" x 2' - 10-3/4" manual
One 2'-6" x 4'-0" pedal
Two 2'-0" x 3'-0" pedal
Three 1'-9" x 2'-9" pedal/offset
Two 1'-6" x 2'-6" pedal/offset
One 1'-6" x 2'-0" console
Four expression
One chimes

Install new reservoirs as required for additions.

TREMOLOS

Install new electro-pneumatic tremolos ~~for Great, Swell and~~
~~Positiv Organs.~~ *for Swell, Positiv and choir organs*

PIPES

Install new pipes as required by organ specifications.
Revoice all pipes being reused.
Repack all wood pipe stoppers.

CABLES

Reuse present cables and action current wires without change.

ACTION CURRENT

Reuse present 10-15 volt, 75 amperes DC organ power unit without change.

BLOWER

Reuse present motor and blower without change.
Install new flexible blower motor coupling leathers.
Install new 14" diameter flexible connection with draw bands.

GENERAL

Remote control combination action to remain in church and be reused without any changes. Guarantee includes Remote Control Combination Action.

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

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

SPECIFICATIONS
FOR
CONSOLE AND ORGAN

MANUAL COMPASS CC to C4, 61 notes
 PEDAL COMPASS CCC to G, 32 notes
 WIND PRESSURE CR. 3" x 6", SW. x Ch. 4", RS. 3", Rd. 3", 4" x 6"
 PITCH A-440 @ 70°F

GREAT ORGAN - Manual II 23
Unenclosed

1	16	Quintaton.....	present pipes and action.....	61 pipes
2	8	Prinzipal.....	present pipes and action.....	61 pipes
3	8	Querflöte.....	present 8 Harmonic Flute pipes & action.....	61 pipes
4	8	Bordun.....	present pipes and action.....	61 pipes
5	4	Oktav	present pipes and action.....	61 pipes
6	4	Rohrflöte.....	present pipes and action.....	61 pipes
7	2	Oktav	present pipes and action.....	61 pipes
8	V	Kornett.....	new pipes and action (#25 thru 56).....	160 pipes
9	IV	Mixture	present pipes and action.....	244 pipes
10	III	Zimbel	present pipes and action.....	183 pipes
11	16	Posaune	new pipes and action	61 pipes
12	8	Trompete	present pipes and action.....	61 pipes
13	4	Klarine	new pipes and action.....	61 pipes
* 14	16	Trompette en Chamade TC	from #15.....	49 notes
* 15	8	Trompette en Chamade.....	new pipes and action.....	61 pipes
16		Chimes.....	existing Deagan "D" tubes and electro-pneumatic action, G to G, #20-44 (operated by tilting tablet).....	25 tubes

1258

(*) Not affected by couplers

SWELL ORGAN - Manual III 24
Enclosed

17	16	Rohrbass.....	new pipes, present 16 Flute Conique action.....	73 pipes
18	8	Viole de Gambe.....	present pipes and action.....	61 pipes
19	8	Viole Celeste.....	present pipes and action.....	61 pipes
20	8	Rohrflöte.....	from #17.....	61 note
21	8	Flute Celeste II	present 16 Flute Conique #13-73 and 8 Flauto Celeste TC #13-61 pipes, present 8 Diapason action	110 pipe
22	4	Principal.....	present pipes and action	61 pipe
23	4	Flachflöte.....	new pipes, present 8 Rohrflöte action.....	61 pipe
24	2-2/3	Nazard.....	new pipes, present 4 Flauto Traverso action	61 pipe
25	2	Fifteenth.....	present pipes and action.....	61 pipe
26	2	Zauberflöte.....	new pipes, #1-12 new action, #13-61 present 8 Flauto Celeste TC action.....	61 pipe
27	III-IV	Plein Jeu.....	new pipes, present 1/2, 2/3 & 1 ranks V Plein Jeu action	220 pipe
28	III	Cymbale.....	present pipes and action.....	183 pipe
29	II	Terzian.....	new pipes, present 1-1/3 & 2 ranks of V Plein Jeu action.....	122 pipe
30	16	Petite Bombarde.....	present 16 Fagot pipes and action.....	61 pipe

SWELL ORGAN - Manual III (continued)
Enclosed

31	8	Trompette.....	present pipes and action.....	61 pipes
32	8	Hautbois.....	present 8 Oboe pipes and action.....	61 pipes
33	4	Clairon	present pipes and action	61 pipes
34		Tremolo		
32A	8	<i>Loix Humaine</i>	<i>Present pipes and action</i>	<i>61 pipes</i>
			<u>POSITIV ORGAN - Manual I</u>	
			<u>Unenclosed</u>	1440
35	8	Holzgedeckt.....	present pipes and action.....	61 pipes
36	4	Prinzipal.....	present pipes and action.....	61 pipes
37	4	Koppelflöte.....	present pipes and action.....	61 pipes
38	2	Oktav	present pipes and action.....	61 pipes
39	2	Waldflöte	new pipes and action.....	61 pipes
40	1-1/3	Quintflöte.....	present pipes and action	61 pipes
41	1	Oktavlein.....	present pipes #1-49, new pipes #50-61, present action	61 pipes
42	II	Sesquialtera TC.....	present pipes and action	98 pipes
43	IV	Scharf.....	present pipes and action	244 pipes
44	II	Zimbel.....	new pipes and action.....	122 pipes
45	16	Dulzian	new pipes and action	61 pipes
46	8	Cromorne.....	new pipes and action	61 pipes
* 47	16	Trompette en Chamade TC.....	from #15.....	49 notes
* 48	8	Trompette en Chamade.....	from #15.....	61 notes
49		Tremolo		1013

(*) Not affected by couplers

CHOIR ORGAN - Manual I
Enclosed

50	16	Erzähler.....	present pipes and action.....	73 pipes
51	8	Spitzprinzipal.....	new pipes, present 8 Geigen action.....	61 pipes
52	8	Gedeckt.....	present pipes and action.....	61 pipes
53	8	Erzähler.....	from #50.....	61 notes
54	8	Kleiner Erzähler TC.....	present 8 Erzähler Celeste TC pipes and action.....	49 pipes
55	4	Principal	new pipes, present 4 Fugara action.....	61 pipes
56	4	Lochgedeckt.....	new pipes, present 4 Hohlflöte action.....	61 pipes
57	2-2/3	Nazard	<i>#1-49 new pipes 50-61 present action</i> present pipes and action.....	61 pipes
58	2	Blockflöte.....	present pipes #1-49, new pipes #50-61, present action	61 pipes
59	1-3/5	Tierce	new pipes and action	61 pipes
60	III-IV	Mixture	new pipes and action	220 pipes
61	8	Holzregal.....	new pipes, present 8 Krummhorn action.....	61 pipes
62	4	Rohrschalmel.....	present 4 Schalmel pipes and action.....	61 pipes
63		Tremolo		971

32	F. Bourdon electronic	32	notes
32	P. Bourdon electronic	32	notes
16	Principal	present pipes and action #1-24, new pipes and action #25-32	32 pipes
16	Bourdon.....	present pipes and action.....	32 pipes
16	Quintaton.....	from #1.....	32 notes
16	Rohrbass.....	from #17.....	32 notes
16	Erzähler.....	from #50.....	32 notes
10-2/3	Gross Quint.....	#1-5 present #8-12 Choir 16 Flute Conique pipes, #13-44 present pipes; present 5-1/3 Quint action....	44 pipes
8	Octave	new pipes, present 3-1/5 rank of Pedal III Sesquialtera action	32 pipes
8	Rohrpfeife.....	present Swell 8 Rohrfloße pipes, present 2-2/3 rank of Pedal III Sesquialtera action	32 pipes
6-2/5	Gross Terz.....	present Choir 8 Geigen pipes; present 4 Choral bass action	44 pipes
5-1/3 4 /6' 3-1/5	II Kornett.....	5-1/3 from #71 5-1/3 3-1/5 from #74	32 notes
4	Choralbass	new pipes, present 2 rank of Pedal III Sesquialtera action.....	32 pipes
4	Nachthorn.....	#1-32 present 16 Principal #25-56 pipes and action, #33-44 new pipes and action	44 pipes
2	Nachthorn	from #77.....	32 notes
IV	Mixture	new pipes and action.....	176 pipes
IV	Scharf	from #79.....	32 notes
32	Kontra Bombarde....	#1-12 new pipes and action, #13-44 present 16 Bombarde pipes and action	44 pipes
16	Bombarde.....	from #81.....	32 notes
16	Petite Bombarde.....	from #30.....	32 notes
8	Trompette en Chamade....	from #15.....	32 notes
8	Trompette.....	new pipes, present Choir 8 Trompette Harmonique action	44 pipes
4	Clarion.....	from #85.....	32 notes

COUPLERS

Great to Pedal	99	Positiv to Great
Swell to Pedal	100	Great to Manual I
Swell to Pedal 4	101	Swell to Manual I
Choir to Pedal	102	Swell to Manual I 4
Choir to Pedal 4	103	Great Unison Off (by tilting ta
Positiv to Pedal	104	Swell 16
Swell to Great 16	105	Swell 4
Swell to Great	106	Choir Unison Off
Swell to Great 4	107	Choir 4
Choir to Great 16	108	Positiv Unison Off
Choir to Great		
Choir to Great 4		

Pistons No. 1-2-3-4-5-6	Affecting Great
Pistons No. 1-2-3-4-5-6-7-8	Affecting Swell
Pistons No. 1-2-3-4-5-6	Affecting Positiv
Pistons No. 1-2-3-4	Affecting Choir
Toe Studs No. 1-2-3-4-5-6-7-8	Affecting Pedal (#1-2-3-4 duplicated by manu
Pistons No. 1-2-3-4-5-6-7-8-9-10	Affecting Full Organ (duplicated by toe stud
General Cancel	
Combination adjuster piston	
Combination lock	

REVERSIBLES

Great to Pedal - toe stud and manual piston
Swell to Pedal - toe stud and manual piston
Positiv to Pedal - toe stud and manual piston
Choir to Pedal - manual piston
Positiv to Great - manual piston
Choir to Great - manual piston
32 Bourdon F - toe stud and manual piston with indicator light (white)
32 Bourdon P - toe stud and manual piston with indicator light (white)
10-2/3 Gross Quint - manual piston with indicator light (white)
32 Kontra Bombarde - toe stud and manual piston with indicator light (white)
Sforzando - toe stud and manual piston with indicator light (red)
Manual 16 stops - manual piston with indicator light (white)
Zimbelstern - manual piston

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ
Balanced Expression Pedal - Choir Organ
Balanced Crescendo Pedal with indicator light (green)

ACCESSORIES

Present concave, radiating pedal clavier
New electrically adjustable bench
Present music rack with light
Present pedal light
Present motor, blower and DC organ power unit
New Zimbelstern - 5 bells (operated by reversible manual piston and tilting table)
Present DC test button with indicator light (white)
Present push buttons with markers:
 Pulpit
 Choir Room
 Minister's Office
 Balcony-Narthex
Present signal lights (white) with markers:
 Pulpit-Chancel
 Minister's Office - South Corridor
 Balcony-Narthex - North Corridor