

M. P. MÖLLER Organ Factory

File

Pipe Organ No.	R-781	4-61	Date	August 28, 1967
For	TRINITY CATHEDRAL, EPISCOPAL PITTSBURGH, PENNSYLVANIA			
Action	Electro-Pneumatic	Console	Present - detached	
Casing No	Enclosures for Fanfare 8 Festival Trompete	Finish	Present	
Decorations	None	Motor	New motor & blower - Main Organ New motor & blower - Fanfare Organ Present organ power unit.	
Width of Key-bed	Standard	Stop Controls	Present	
No. Manuals	Four & Pedal - New English Keys	Wind Pressure	Gr. 4", Sw. & Ch. 5", Pos. 3 1/2", Ped. 5" & 7"	
To be Completed	April 10, 1968	Blower Pipe furnished by	Present	

SPECIFICATIONS

FOR

REBUILDING PRESENT MOLLER ORGAN OPUS 1600-1913 (Rebuilt #R-467-1953)

CONSOLE

Rebuild present four manual draw knob type console as follows:

Install new English keys on four manuals.
 Replace draw knobs and tilting tablets as required by revised specification. Install one additional knob in Choir Organ division and one additional knob in Pedal Organ division.
 Releather 30 coupler pneumatics.
 Releather 6 reversible pneumatics.
 Releather Sforzando pneumatic.
 Releather all Swells to Swell pneumatic.
 Releather 6 coupler combination pneumatics.
Supply console roller platform

MANUAL CHESTS

Releather 2339 manual pipe pouches.
 Install 2339 new stop action checks and eyelets.
 Releather 35 stop action primaries.
 Releather four 73 note Primary Stations.
 Releather three 61 note Primary Stations.

OFFSET ACTIONS

Install the following new offset actions:

Great 16 Violone - 61 notes
 Great IV Mixture - 61 notes (244 Pipes)
 Choir 16 Dulciana - 85 notes
 Positiv 8 Spitzprinzipal - 61 notes
 Positiv III Zimbel - 61 notes (183 pipes)
 Positiv 8 Krummhorn - 61 notes
 Fanfare 8 Festival Trompete - 73 notes

Releather the following present offset actions:

Great 8 Principal - #1 to #7 incl - 7 Notes
 Great 8 Bourdon - #1 to #12 incl - 12 Notes
 Swell 16 Flute Conique - #1 to #73 incl - 73 Notes
 Swell 8 Principal - #1 to #4 incl - 4 Notes
 Swell 8 Salicional - #1 to #3 incl - 3 Notes
 Swell 16 Fagotto - #1 to #73 incl - 73 Notes
 Swell 8 Vox Humana - #1 to #61 incl - 61 Notes

CONTACT BOXES Install new 61 note Contact Box for Great Organ.
 Install new 73 note Contact Box for Swell Organ.

RELAY Install new 73 note Relay for Choir 16 Dulciana.

SWITCHES Releather the following electro-pneumatic switch
 pneumatics and clean switch contacts:

Great 8 Principal - 7 Notes
Great 8 Bourdon - 12 Notes
Great Upper Station Cut-out - 61 Notes
Great Lower Station Cut-out - 61 Notes
Swell 16 Flute Conique - 73 Notes
Swell 8 Principal - 4 Notes
Swell 8 Salicional - 3 Notes
Swell 16 Fagotto - 73 Notes
Swell 8 Vox Humana - 61 Notes
Swell "A" Station Cut-out - 73 Notes
Swell "B" Station Cut-out - 73 Notes
Choir "A" Station Cut-out - 73 Notes
Choir "B" Station Cut-out - 73 Notes

Install the following new electro-pneumatic switches with stop actions:

Great 16 Violone - 61 Notes
Great IV Mixture - 61 Notes
Choir 16 Dulciana - 73 Notes
Choir 8 Dulciana - 73 Notes
Positiv 8 Spitzprinzipal - 61 Notes
Positiv III Zimbel - 61 Notes
Positiv 8 Krummhorn - 61 Notes
Fanfare 8 Festival Trompete - 73 Notes

PEDAL ORGAN Install new action for II Mixture - 64 Pipes
 Releather the following existing actions:

16 Principal - 56 Notes
16 Bourdon - 44 Notes
4 Nachthorn - 44 Notes
II Rauschpfeife - 12 Notes (24 Pipes)
16 Tromba - 56 Notes

Provide synthetic 32 IV Cornet in Pedal Organ.
Present Pedal Relay and Switches to be used.

ECHO ORGAN Present Echo Organ eliminated in its entirety.

EXPRESSION Releather 34 note expression action for Swell Organ.
 Releather 34 note expression action for Choir Organ.
 Recover 68 shade pneumatics.
 Install 68 new shade jacks and connecting rods.

RESERVOIRS

Install one (1) new 3'-0" x 5'-0" Choir Manual Reservoir.
Install new blower reservoirs or air-flow regulators.
Install new concussions and valves for Great Organ.

Releather the following reservoirs:

One (1) 2'-0" x 4'-6" Great Manual Reservoir
One (1) 2'-6" x 4'-6" Great Manual Reservoir
One (1) 2'-6" x 4'-6" Positiv Manual Reservoir
One (1) 3'-0" x 5'-0" Swell Manual Reservoir
Five (5) 1'-6" x 2'-0" Pedal Reservoirs
Three (3) 1'-6" x 2'-6" Pedal Reservoirs
One (1) 2'-0" x 3'-0" Pedal Reservoirs
Other miscellaneous Pedal and/or Offset Reservoirs
Three (3) Concussion Pneumatics.

TREMOLOS

Releather three (3) tremolos.

PIPES

Install the following new pipes:

Great 16 Violone - 61 Pipes
Great 8 Principal - 61 Pipes
Great 4 Spillflöte - 61 Pipes
Great 2 Super Octave - 61 Pipes
Great 2 Waldflöte - 61 Pipes
Great IV Mixture (1 rank only) 61 Pipes
Great III Cymbel - 183 Pipes
Swell 8 Principal - 73 Pipes
Swell 8 Rohrflöte - 73 Pipes
Swell 4 Harmonic Flute - #62 to #73 incl - 12 Pipes
Swell 2 Flautino - 61 Pipes
Swell 1-1/3 Quinte - #50 to #61 incl - 12 Pipes
Choir 16 Dulciana - #1 to #12 incl - 12 Pipes
Choir 8 Klein Principal - 73 Pipes
Choir 8 Rohrpfeife - 73 Pipes
Choir 4 Principal - 73 Pipes
Choir III Mixture - 183 Pipes
Positiv 8 Spitzprinzipal - 61 Pipes
Positiv 8 Holzgedackt - 61 Pipes
Positiv 4 Prinzipal - 61 Pipes
Positiv 4 Koppelflöte - 61 Pipes
Positiv 1 Sifflöte - 61 Pipes
Positiv 8 Krummhorn - 61 Pipes
Fanfare 8 Festival Trompete - 73 Pipes
Pedal 16 Bourdon - 44 Pipes
Pedal 4 Nachthorn - 44 Pipes

PIPES (cont'd)

Revoice the following pipes:

Swell 16 Fagotto - 73 Pipes

Swell 8 Trompette - 73 Pipes

Swell 8 Oboe - 73 Pipes

Swell 8 Vox Humana - 61 Pipes

Swell 4 Clarion - 73 Pipes

Choir 8 Cor Anglais - 61 Pipes

Pedal 16 Tromba - 56 Pipes

Repair or replace damaged or missing pipes.

Install modern tuning slides on present metal pipes.

CABLES

Install new plastic covered cables between console and organ.

Install new action current wires between console, organ & power unit.

BLOWER

Install new 10 HP, Style 4-P-3330 Kinetic Blower for Main Organ.

Install new 1-1/2 HP, Style 3-P-~~2724~~³⁰²⁷ Kinetic Blower for Fanfare Organ.

ACTION CURRENT

Present organ power unit to be used without change.

GENERAL

The entire organ has been returned to factory of M. P. Moller, Inc. at Hagerstown, Md. for rebuilding as specified above.

SPECIFICATIONS

FOR

CONSOLE AND ORGAN

MANUAL COMPASS

CC to Ch, 61 Notes

PEDAL COMPASS

CCC to G, 32 Notes

WIND PRESSURE

Gr. 4", Sw. & Ch. 5", Positiv 3-1/2", Pedal 5" & 7"

PITCH

A-440 @ 70° F

GREAT ORGAN (unenclosed & exposed) 14

1	16	Violone.....new pipes; new action.....	61 Pipes
2	8	Principal.....new pipes; present 8 Diapason action.....	61 Pipes
3	8	Bourdon.....present Positiv 8 Bourdon pipes;	
		present Great 8 Hohlflöte action.....	61 Pipes
4	4	Octave.....present pipes; present action.....	61 Pipes
5	4	Spillflöte.....new pipes; present 4 Harmonic Flute action...	61 Pipes
6	2	Super Octave.....new pipes; present 2 Fifteenth action.....	61 Pipes
7	2	Waldflöte.....new pipes; present 2-2/3 Octave Quint action.	61 Pipes
8	IV	Mixture.....present III Mixture with additional new rank;	
		new action.....	244 Pipes
9	III	Cymbel.....new pipes; present III Mixture action.....	183 Pipes

SWELL ORGAN 17

10	16	Flute Conique.....present pipes; present action.....73 Pipes
11	8	Principal.....new pipes; present 8 Open Diapason action..73 Pipes
12	8	Rohrflöte.....new pipes; present 8 Stopped Flute action.....73 Pipes
13	8	Salicional.....present pipes; present action.....73 Pipes
14	8	Voix Celeste TC.....present pipes; present action.....61 Pipes
15	4	Principal.....present pipes; present action.....73 Pipes
16	4	Harmonic Flute.....present Great 4 Harmonic Flute pipes; new top octave; present Swell 4 Waldflöte action 73 Pipes
17	2	Flautino.....new pipes; present 2 Fifteenth action.....61 Pipes
18	1-1/3	Quinte.....present 2-2/3 Twelfth pipes #13 to #61, new top octave; present 2-2/3 Twelfth action...61 Pipes
19	III	Plein Jeu.....present pipes; present action.....183 Pipes
20	16	Fagotto.....present pipes; present action.....73 Pipes
21	8	Trompette.....present pipes; present action.....73 Pipes
22	8	Oboe.....present pipes; present action.....73 Pipes
23	8	Vox Humana.....present pipes; present action.....61 Pipes
24	4	Clarion.....present pipes; present action.....73 Pipes
25		Tremolo

16
15
4CHOIR ORGAN 13

26	16	Dulciana.....new pipes #1 to #12, present 8 Dulciana pipes #1 to #73; new action.....85 Pipes
27	8	Klein Principal...new pipes; present 8 Geigen action.....73 Pipes
28	8	Rohrpfeife.....new pipes; present 8 Concert Flute action.....73 Pipes
29	8	Dulciana.....from #26.....73 Notes
30	8	Unda Maris.....present pipes; present action.....73 Pipes
31	4	Principal.....new pipes; present 4 Gemshorn action.....73 Pipes
32	4	Nachthorn.....present pipes; present action.....73 Pipes
33	2-2/3	Nazard.....present Positiv 2-2/3 Nasat pipes; present Choir 2-2/3 Nazard action.....61 Pipes
34	2	Blockflöte.....present pipes; present action.....61 Pipes
35	1-3/5	Tierce.....present pipes; present action.....61 Pipes
36	III	Mixture.....new pipes; present III Scharf action.....183 Pipes
37	8	Cor Anglais.....present Echo 8 Cor Anglais pipes; present Choir 8 Clarinet action.....73 Pipes
38		Tremolo

16
15
4POSITIV ORGAN (unenclosed & exposed) 10

39	8	Spitzprinzipal.....new pipes; new action.....61 Pipes
40	8	Holzgedeckt.....new pipes; present 4 Nachthorn action.....61 Pipes
41	4	Prinzipal.....new pipes; present 8 Bourdon action.....61 Pipes
42	4	Koppelflöte.....new pipes; present 2-2/3 Nasat action.....61 Pipes
43	2	Oktav.....present pipes; present action.....61 Pipes
44	1	Sifflöte.....new pipes; present 1-3/5 Terz action.....61 Pipes
45	III	Zimbel.....present Choir III Scharf pipes; new action.....183 Pipes
46	8	Krummhorn.....new pipes; new action.....61 Pipes
47		Blank draw knob
48		Blank draw knob
49		Chimes.....(prepared for in console only)
50		Tremolo

16
15
4

FANFARE ORGAN(*) (unenclosed & exposed) 1

51	16	Festival Trompete TC.....	from #52.....	49	Notes
52	8	Festival Trompete (En Chamade)...	new pipes; new action.....	73	Pipes
53	4	Festival Clarion.....	from #52.....	61	Notes
54		Blank draw knob			
55		Blank draw knob			
55a		Blank draw knob			

(*) Festival Trompete cuts out Positiv on Manual IV when drawn.
 Festival Trompete not to be affected by inter or intra manual couplers.

PEDAL ORGAN (*) 6

56	32	IV Cornet (Synthetic).....	<i>See Page 7 for Formula</i>	32	Notes
57	16	Principal.....	present 16 Open Diapason pipes; present 16 Open Diapason action.....	56	Pipes
58	16	Bourdon.....	new pipes; present action.....	44	Pipes
59	16	Violone.....	from #1.....	32	Notes
60	16	Flute Conique.....	from #10.....	32	Notes
61	8	Octave.....	from #57.....	32	Notes
62	8	Bourdon.....	from #58.....	32	Notes
63	8	Geigen.....	from #1.....	32	Notes
64	8	Flute Conique.....	from #10.....	32	Notes
65	4	Principal.....	from #57.....	32	Notes
66	4	Nachthorn.....	new pipes; present 5-1/3 Quint action.....	44	Pipes
67	2	Nachthorn.....	from #66.....	32	Notes
68	II	Mixture.....	present used pipes (to be selected from present available pipes), new action #1 to #32, present 2 Super Octave action #33 to #44.....	88	Pipes
69	II	Rauschpfeife.....	from #68.....	32	Notes
70	16	Tromba.....	present pipes; present action.....	56	Pipes
71	8	Tromba.....	from #70.....	32	Notes
72	4	Clarion.....	from #70.....	32	Notes
73	4	Krummhorn.....	from #46.....	32	Notes

(*) Pedal Organ playable thru existing Pedal Relay & Switches.

COUPLERS

74	Great to Pedal	92	Positiv to Swell 16
75	Great to Pedal 4	93	Positiv to Swell
76	Swell to Pedal	94	Fanfare Trompete to Swell
77	Swell to Pedal 4	95	Swell 16
78	Choir to Pedal	96	Swell Unison Off
79	Choir to Pedal 4	97	Swell 4
80	Positiv to Pedal	98	Swell to Choir 16
81	Swell to Great 16	99	Swell to Choir
82	Swell to Great	100	Swell to Choir 4
83	Swell to Great 4	101	Positiv to Choir 16
84	Choir to Great 16	102	Positiv to Choir
85	Choir to Great	103	Fanfare Trompete to Choir
86	Choir to Great 4	104	Choir 16
87	Positiv to Great 16	105	Choir Unison Off
88	Positiv to Great	106	Choir 4
89	Fanfare Trompete to Great	107	Fanfare Trompete to Positiv
90	Great Unison Off	108	Positiv 16
91	Great 4	109	Positiv Unison Off

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4-5-6-7	Affecting Great Stops
Pistons No. 1-2-3-4-5-6-7	Affecting Swell Stops
Pistons No. 1-2-3-4-5-6-7	Affecting Choir Stops
Pistons No. 1-2-3-4-5-6	Affecting Positiv & Fanfare Trompete stops
Pistons No. 1-2-3-4-5-6-7	Affecting Pedal Stops (duplicated by toe studs)
Pistons No. 1-2-3-4	Affecting Pedal and Inter-manual Couplers
Pistons No. 1-2-3-4-5-6-7-8	Affecting Full Organ (duplicated by toe studs)
General Cancel Piston	

PEDAL MOVEMENTS

- 1- Great to Pedal Reversible (duplicated by manual piston)
- 2- Swell to Pedal Reversible (duplicated by manual piston)
- 3- Choir to Pedal Reversible (duplicated by manual piston)
- 4- Positiv to Pedal Reversible (duplicated by manual piston)
- 5- Balanced Expression Pedal - Swell Organ
- 6- Balanced Expression Pedal - Choir Organ
- 7- Balanced Expression Pedal - Blank
- 8- Balanced Crescendo Pedal with indicator light (green jewel)
- 9- Sforzando Reversible (duplicated by manual piston) with indicator light (red jewel)
- 10- All Swells to Swell Reversible (duplicated by manual piston) with indicator light (white jewel)

ACCESSORIES

Action current indicator light (white jewel)

New plexiglas music rack with present fluorescent music rack light.

Present organ bench with music shelf and new back rest.

Present concave and radiating pedal keyboard.

New blower and motor for Main Organ.

New blower and motor for Fanfare Organ.

Present orgelectra organ power unit.

Motor starter switch for Main Organ blower.

Motor starter switch for Fanfare Organ blower.

11/7/67
RHM/bf

Pedal Organ
 32 IV Cornet (Synthetic) Horns
 All Burrows from 16 Bourdon
 10-23 Bourdon #8 to #39 - #1 to #32)
 6-25 Bourdon #17 to #44 - #1 to #28) Wire from Relay
 4-47 Bourdon #23 to #44 - #1 to #23)
 3-74 Bourdon #27 to #44 - #1 to #18)