

M. P. MÖLLER Organ Factory

4-75

Contract

Pipe Organ No. R-146 Date May 19, 1983
For CHATHAM COLLEGE, PITTSBURGH, PENNSYLVANIA
Action Electro-Pneumatic Console Present - Detached
Casing No. None Finish No change
Decorations None Motor Main - Present 20 HP, Style 6-P-3832
Solo - Present 3 HP, Style 3-P-3027
Width of Key-bed Standard Stop Controls Draw Knobs & Tilting Tablets
No. Manuals FOUR and PEDAL - Tracker Touch Wind Pressure See Scale Sheets
To be Completed December 1, 1983 Blower Pipe furnished by Present

SPECIFICATIONS

FOR

REBUILDING AND CHANGING TONALLY

PRESENT MOLLER ORGAN OPUS 7788 - 1949

(M-3066-1968, M-4489-1971, M-5428-1972, M-7689-1975)

Cl. Bombardé
Sw. Truette

EC. Eng. Hora

CONSOLE

Reuse present console, rebuilding same as follows:

Replace tilting tablet block.
Replace all stop and coupler controls and contacts.
Replace all piston buttons and springs.
Replace all markers.
Recover all primaries and install new magnet armatures.
Recover all coupler and combination pneumatics.
Replace crescendo and expression pedal pads and edging.
Replace burrs and felt washers on manual keys.
Refelt action as required.
Refelt pedal keyboard and install new insulating tips. (Adjust height for elimination of casters from cabinet.
Replace caps on pedal key naturals.
Recover reservoir.
Recover roll top, replacing lock rail and lock.
Refinish cabinet, bench and pedal keyboard.
Install 2 motor starter switches.
Install transparent music rack with light.
Install pedal light.
Provide movable platform.

Releather remote combination action thruout and install new magnet armatures.

MANUAL CHESTS

Recover all manual pipe pouches.
Replace stop action checks and eyelets.
Replace duplex shifters.
Recover eight 73 note and four 61 note primaries and install new magnet armatures.
Recover stop action primaries and install new magnet armatures.
Recover pedal primaries and install new magnet armatures.
Unify Great 8 Trumpet thruout.
Rework and/or install new rackboard/toeboard assemblies as required for tonal changes.

Unify Choir 16 Bombardé thruout.

UNIT Recover the following actions and install new magnet armatures:

Great	8	Principal	12 notes
Great	8	Gemshorn	6 notes
Great	8	Trumpet	12 notes
Swell	16	Rohrbourdon	12 notes
Swell	16	Contre Gambe	16 notes
Swell	8	Diapason	8 notes
Swell	8	Salicional	4 notes
Swell	16	English Horn	18 notes
Swell	8	Vox Humana	61 notes
Choir	16	Contra Erzähler	85 notes
Choir	8	Viola	6 notes
Choir	16	Bombarde	12 notes
Solo	8	Solo Flute	8 notes
Solo	8	French Horn	6 notes

BOXES Recover Choir contact box #1-73 and install new silver wire contact boxes.
Replace single conductor contact boxes for offsets.

S Recover electro-pneumatic switches and stop actions and install new magnet armatures.
Rework and/or install new switches as required.

ORGAN Recover the following actions and install new magnet armatures:

32	Bourdon	56 notes
16	Contre Basse	32 notes
8	Octave	56 notes
5-1/3	Quint	32 notes
4	Choralbass	32 notes
III	Mixture	32 notes (primary station)
16	Posaune	12 notes

ION Recover one 28, one 26, one 22 and one 10 note expression actions and install new magnet armatures.
Recover shade pneumatics.
Replace shade jacks and connecting rods.
Refelt shades

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

One 3-0 x 6-0 manual
Four 3-0 x 5-0 manual
One 2-6 x 4-0 manual
Two 2-0 x 4-0 manual (one for R/C C/A)
Four 2-0 x 3-0 offset
Four 1-6 x 2-6 offset
Two 1-6 x 2-0 offset
Five expression
One 4-0 x 6-0 blower
One 2 - 4-1/2 x 4-0 blower

Install new electro-pneumatic tremolos as required.

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

Install new plastic covered cables between console and organ.
Install new action current wires between console, organ and
DC organ power unit.

Reuse present 10-15 volts, 100 amperes DC organ power unit, repairing
same as required.

Reuse present 20 HP, Style 6-P-3832 motor and blower without change
for main organ.

Reuse present 3 HP, Style 3-P-3027 motor and blower without change
for Solo-Echo organ.

Install new motor-blower coupling leathers.

Install new 16" and 12" diameter flexible connections with draw bands.

All parts specified above to be rebuilt to be returned to the factory
of M. P. Moller, Inc. at Hagerstown, Maryland except #1-12 of
16 Contre Gambe, 32 Bourdon, and 16 Contre Basse.

SPECIFICATIONS FOR CONSOLE AND ORGAN

CC to C4, 61 notes
CCC to G, 32 notes
See Scale Sheets
A-440 @ 70°F

ENT PIPES AND ACTION UNLESS NOTED

GREAT ORGAN - Unenclosed 16

8	Principal.....	61 pipes
8	Hohlflöte.....	61 pipes
8	Gemshorn	61 pipes
4	Octave	61 pipes
4	Rohrflöte.....	61 pipes
2-2/3	Octave Quint.....	61 pipes
2	Super Octave.....	61 pipes
III-V	Furniture.....	249 pipes
III	Cymbale..... (Cymbel).....	183 pipes
8	Trumpet.... #1-44 present Pedal 16 Bombarde pipes #13-56, #45-61 new pipes; present 16 Quintaton action unified thruout.....	61 pipes
	Chimes.... new Mayland tubes and action, transformer, relay, and volume control, G to G, #20-44. (Provide 2 position switch to allow present Schulmerich	

REPRESENT PIPES AND ACTION UNLESS NOTEDSWELL ORGAN - Enclosed 18

12	16	Rohrbourdon.....	85 pipes
13	16	Contre Gambe.....	85 pipes
14	8	Diapason.....	73 pipes
15	8	Rohrflötefrom #12.....	73 notes
16	8	Viole de Gambefrom #13.....	73 notes
17	8	Viole Celeste TC.....	61 pipes
18	8	Salicional	73 pipes
19	8	Voix Celeste TC	61 pipes
20	4	Octave(Principal)	73 pipes
21	4	Harmonic Flute	73 pipes
22	4	Salicetfrom #18.....	61 notes
23	2-2/3	Nazard.....	61 pipes
24	2	Doublette.....(Fifteenth).....	61 pipes
25	IV	Plein Jeu	244 pipes
26	16	English Horn..(Original Choir pipes moved to Swell Fagotto action - 1972).....	85 pipes
27	8	Trompette..(replacement pipes M-5428 - 1972).....	73 pipes
28	8	English Hornfrom #26.....	73 notes
29	8	Vox Humana	61 pipes
30	4	Clairon	73 pipes
31		Tremulant	
32		Blank	
33		Blank	

CHOIR ORGAN - Enclosed 11

34	16	Contra Erzähler.....	85 pipes
35	8	Viola.....	73 pipes
36	8	Concert Flute	73 pipes
37	8	Erzähler	73 notes
38	8	Erzähler Celeste TC.....	61 pipes
39	4	Fugara	73 pipes
40	4	Koppelflöte	73 pipes
41	2-2/3	Nazard	61 pipes
42	2	Blockflöte	61 pipes
43	1-3/5	Tierce	61 pipes
44	V	Cornet.....plays stops #36, 40, 41, 42, 43.....	73 notes
45	16	Bombarde..(replacement pipes M-5428 - 1972; English Horn action).....	85 pipes
46	8	Bombarde.....from #45.....	73 notes
47	8	Clarinet	73 pipes
48	4	Claironfrom #45 (Add'l borrow).....	61 notes
49		Tremulant	

PES AND ACTION UNLESS NOTEDSOLO ORGAN - Enclosed 7

8	Solo Flute.....	73 pipes
8	Gamba.....	73 pipes
8	Gamba Celeste TC.....	61 pipes
4	Orchestral Flute.....	73 pipes
8	Harmonic Trumpet.....	73 pipes
8	French Horn	73 pipes
4	Clarion	73 pipes
	Tremulant	

ECHO ORGAN - Enclosed 4

8	Gedeckt.....	85 pipes
8	Muted Viole	73 pipes
8	Viole Celeste TC	61 pipes
4	Flute.....from #58.....	73 notes
8	English Horn (Replacement pipes M-7689 - 1975; Vox Humana action).....	61 pipes
	Chimes.....from #11	25 notes
	Tremulant	

POSITIV ORGAN - Unenclosed 11

8	Gedackt.....	61 pipes
4	Nachthorn	61 pipes
2-2/3	Nasat	61 pipes
2	Principal.....(Super Octave).....	61 pipes
1-3/5	Terz	61 pipes
1-1/3	Larigot.....(Quint).....	61 pipes
1	Sifflöte.....	61 pipes
III	Zimbel	183 pipes
8	Krummhorn.....	61 pipes
	Tremulant	

* PEDAL ORGAN 8

32	Bourdon.....	56 pipes
16	Contre Basse.....	32 pipes
16	Bourdon	32 notes
16	Rohrbourdon.....from #12.....	32 notes
16	Contre Gambe.....from #13.....	32 notes
16	Contre Erzähler....from #34.....	32 notes
8	Octave	56 pipes
8	Bourdon.....from #75.....	32 notes
8	Rohrflöte.....from #12.....	32 notes
8	Gambe.....from #13.....	32 notes
8	Erzähler	32 notes
5-1/3	Quint.....	32 pipes
4	Choralbass.....	32 pipes
4	Super Octave.....from #81.....	32 notes
4	Harmonic Flute.....from #21.....	32 notes
2	Octavin.....from #81.....	32 notes
III	Mixture.....formula revised	96 pipes

PRESENT PIPES AND ACTION UNLESS NOTEDPEDAL ORGAN (continued)

93	16	Bombarde.....from #45.....32 notes
94	16	English Hornfrom #26.....32 notes
95	8	Posaune.....from #10.....32 notes
96	8	Bombarde.....from #45.....32 notes
97	4	Klarinefrom #10.....32 notes
98	4	Claironfrom #45.....32 notes
99		Chimes.....from #11.....25 notes
100		Zimbelsternconsole preparation only

* Pedal Organ playable thru present relays and present switches reworked as required.

COUPLERS - no change

101	Great to Pedal	125	Swell to Choir 16
102	Great to Pedal 4	126	Swell to Choir
103	Swell to Pedal	127	Swell to Choir 4
104	Swell to Pedal 4	128	Solo-Echo to Choir 16
105	Choir to Pedal	129	Solo-Echo to Choir
106	Choir to Pedal 4	130	Solo-Echo to Choir 4
107	Solo-Echo to Pedal	131	Positiv to Choir
108	Solo-Echo to Pedal 4	132	Great to Solo
109	Positiv to Pedal	133	Great to Solo 4
110	Positiv to Pedal 4	134	Swell to Solo 16
111	Swell to Great 16	135	Swell to Solo
112	Swell to Great	136	Swell to Solo 4
113	Swell to Great 4	137	Great 16
114	Choir to Great 16	138	Great Unison
115	Choir to Great	139	Great 4
116	Choir to Great 4	140	Swell 16
117	Solo-Echo to Great 16	141	Swell Unison
118	Solo-Echo to Great	142	Swell 4
119	Solo-Echo to Great 4	143	Choir 16
120	Positiv to Great	144	Choir Unison
121	Solo-Echo to Swell 16	145	Choir 4
122	Solo-Echo to Swell	146	Solo-Echo 16
123	Solo-Echo to Swell 4	147	Solo-Echo Unison
124	Positiv to Swell	148	Solo-Echo 4

(Remote Control - Single Setter

Pistons No. 1-2-3-4-5-6-7-8	Affecting Great stops
Pistons No. 1-2-3-4-5-6-7-8	Affecting Swell stops
Pistons No. 1-2-3-4-5-6-7-8	Affecting Choir stops
Pistons No. 1-2-3-4-5-6-7-8-9-10-11-12	Affecting Solo-Echo stops
Pistons No. 1-2-3-4-5-6	Affecting Positiv stops & couple
Pistons No. 1-2-3-4-5-6	Affecting Pedal stops (duplicate
Pistons No. 1-2-3-4-5-6-7-8-9-10-11-12	Affecting Full Organ (duplicated
Pistons No. 1-2-3	Affecting Couplers
General Cancel piston	
Setter piston	
Pedal to Manual ON-OFF pistons (Solo, Swell, Great, Choir)	

* Positiv to Pedal, Positiv to Pedal 4, Positiv to Great, Swell & Choir

REVERSIBLES

88 thumb
24 toe

Great to Pedal - manual piston and toe stud
Swell to Pedal - manual piston and toe stud
Choir to Pedal - manual piston and toe stud
Solo to Pedal - manual piston and toe stud
Swell to Great - manual piston
Swell to Great 4 - manual piston
Choir to Great - manual piston
Choir to Great 4 - manual piston
Solo to Great - manual piston
Solo to Great 4 - manual piston
Swell 16 - manual piston
Swell 4 - manual piston
All Swells to Swell - manual piston and indicator light
Zimbelstern - toe stud
Sforzando (with Tremulant cutout) - manual piston, toe stud and indicator light
Tremolo cutout - manual piston and indicator light

PEDAL MOVEMENTS - no change

Balanced Expression Pedal - Swell Organ - with indicator light
Balanced Expression Pedal - Choir Organ - with indicator light
Balanced Expression Pedal - Solo Organ - with indicator light
Balanced Expression Pedal - Echo Organ - with indicator light
Balanced Crescendo Pedal (with Tremulant cutout) - with indicator light

ACCESSORIES

Present Concave, radiating pedal clavier
Present Adjustable organ bench
Present Motors and blowers
Present DC organ power unit
Present Signal light
Present DC current button and light
Present Schulmerich Carillon control panel
New motor starter switches