

M. P. MÖLLER Organ Factory

3/26+4

REVISED May 2, 1977

Pipe Organ No. R-966 Date April 19, 1977
 For CHURCH OF THE BRETHREN, HAGERSTOWN, MARYLAND
 Action Electro-Pneumatic Console Present - Detached
 Casing No. Present Grilles Finish No change
 Decorations None Motor Present 3 HP, Style 2 JZM
 Width of Key-bed Standard Stop Controls Draw Knobs & Tilting Tablets
 No. Manuals THREE AND PEDAL Wind Pressure 4"
 To be Completed As scheduled Blower Pipe furnished by Purchaser

SPECIFICATIONS

FOR

REBUILDING, CHANGING TONALLY AND ADDING TO
 PRESENT MOLLER ORGAN OPUS 5639 - 1929 31966 3/16
 R-272 - 1947

CONSOLE

Reuse present console, rebuilding same as follows:

Replace stop keys with tilting tablets.
 Replace all draw knobs correctly positioning Great & Choir divisions.
 Replace all piston buttons and springs.
 Replace all markers.
 Replace all stop and coupler control contacts.
 Eliminate six unison jamb switches.
 Recover all coupler pneumatics.
 Recover all combination pneumatics
 Recover all coupler and combination primaries and install
 new magnet plugs and armatures.
 Replace all reversibles.
 Replace crescendo and expression pedal pads and edging.
 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 rolltop
 Refinish console cabinet, bench and pedal keyboard.
Recover manual keys.

MANUAL CHESTS

Recover 699 manual pipe pouches.
 Install 870 stop action checks and eyelets.
 Install 244 duplex shifters.
 Recover three 61 note primary stations and install new magnet
 plugs and armatures.
 Recover 20 stop action primaries and install new magnet plugs and armatures.
 Recover one ~~20~~³² note pedal primary and install new magnet plugs and
 armatures.
 Rework and/or install new toeboard/rackboard assemblies as required
 for tonal changes.

OFFSET & UNIT
ACTIONS

Recover the following actions and install new magnet plugs and armatures:

Great	8	Principal	6 notes
Great	4	Octave	8 notes
Swell	16	Bourdon	97 notes
Swell	8	Open Diapason	4 notes
Swell	III	Mixture	61 notes
Choir	8	Spillflöte	85 notes
Choir	4	Principal	2 notes

Unify existing actions and provide new actions as required.

CONTACT BOXES

Recover three 61 note contact boxes and install new silver wire contact blocks.

Recover three single conductor contact boxes, one 6 note, ~~one 4 note,~~
one 2 note.

SWITCHES

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

GREAT ORGAN

16	Pommer	49 notes
8	Spillflöte	61 notes
4	Octave	8 notes
4	Spillflöte	61 notes
2-2/3	Nazard	61 notes
2	Flöte	61 notes
IV	Mixture	32 20 notes

SWELL ORGAN

16	Bourdon	61 notes
8	Viole	4 notes
8	Holzgedeckt	61 notes
4	Gedeckt	61 notes
2	Gedeckt	61 notes
1-1/3	Quintflöte	61 notes
1	Zimbelsflöte	61 notes
III	Scharf	61 notes
16	Contre Trompette	61 notes
8	Trompette	61 notes
2	<i>Spitzoctave</i>	12 notes

CHOIR ORGAN

8	Spillflöte	61 notes
4	Spillflöte	61 notes
2	Flöte	61 notes
1-1/3	Larigot	61 notes
1	Siffelöte	61 notes

PEDAL ORGAN

Recover the following actions and install new magnet plugs and armatures:

16	Subbass	32 notes
8	Principal	44 notes

Install new actions as required.

Reuse present 32 note relay and install new switches as required.

RESERVOIRS

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

One 2'-6" x 4'-0" manual
 One 2'-0" x 4'-0" manual
 Two 1'-2" x 1'-4" expression
 One 1'-6" x 2'-0" pedal
 One 3'-0" x 3'-0" blower

EXPRESSION

Recover one 14 and two 9 note expression actions and install new magnet plugs and armatures.

Recover 32 shade and bumper pneumatics.

Replace 32 shade jacks and connecting rods.

TREMOLOS

Install two new electro-pneumatic tremolos.

PIPES

Install the following new pipes: 16

Great	8	Principal	61 pipes
	4	Octave	61 pipes
IV		Mixture	244 pipes
Swell	4	Spitzprincipal	73 pipes
	II	Sesquialtera TC	98 pipes
	III	Scharf	183 pipes
	16	Contre Trompette	73 pipes (#1-12 1/2 Length)
Choir	8	Spillflöte	73 pipes (#13-85)
	4	Principal	73 pipes
Pedal	8	Principal	44 pipes
	IV	Mixture	48 pipes (#1-12)

Install modern tuning slides as required.

Repack all wood pipe stoppers.

Revoice all pipes being reused.

CABLES

Reuse present cables and action current wires without change.

ACTION CURRENT Reuse present 10-15 volts, 30 amperes DC organ power unit without change.

BLOWER Reuse present style 2 JZM, 3 HP blower and motor without change.
Install new motor-blower coupling leathers.

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 organ not required to complete this program become the property of M. P. Moller, Inc.

SPECIFICATIONS
FOR
CONSOLE AND ORGAN

MANUAL COMPASS CC to C4, 61 notes
PEDAL COMPASS CCC to G, 32 notes
WIND PRESSURE 4"
PITCH A-440 @ 70°F

GREAT ORGAN - Enclosed with Choir 7

1	16	Pommer (quinted).....from #30.....61 notes
2	8	Principalnew pipes; present Open Diapason action.....61 pipes
3	8	Gemshornpresent pipes and action.....61 pipes
4	8	Dolcefrom #31.....61 notes
5	8	Spillflotefrom #30.....61 notes
6	4	Octavenew pipes; present Gross Flute action.....61 pipes
7	4	Spillflote.....from #30.....61 notes
8	2-2/3	Nazardfrom #30.....61 notes
9	2	Super Octave.....from #32.....61 notes
10	2	Flute.....from #30.....61 notes
11	IV	Mixture.....new pipes; present Tuba action.....244 pipes
12		Chimes.....present Deagan "K" tubes, new action, transformer, volume control and relays.....21 tubes
13		Tremolo

SWELL ORGAN - Enclosed 10

14	16	Bourdon.....	present pipes and action.....	97 pipes
15	8	Viole	present Salicional pipes; present Open <i>Obse</i>	
			Diapason action	61 pipes
16	8	Viole Celeste TC..	present Vox Celeste pipes & action.....	49 pipes
17	8	Holzgedeckt.....	from #14.....	61 notes
18	4	Spitzprincipal...	new pipes; present Salicional action, <i>Alto new action</i>	73 pipes
19	4	Gedeckt.....	from #14.....	61 notes
20	2	Spitzoctave.....	from #18.....	61 notes
21	2	Gedeckt	from #14.....	61 notes
22	1-1/3	Quintflöte	from #14.....	61 notes
23	1	Zimelflöte	from #14.....	61 notes
24	II	Sesquialtera TC...	new pipes and action <i>Present Open Diapason action</i>	98 pipes
25	III	Scharf	new pipes; present Vox Humana action.....	183 pipes
26	16	Contre Trompette...	new pipes; present Obse <i>Obse</i> action unified.....	73 pipes
27	8	Trompette	from #26.....	61 notes
28		Tremolo		

CHOIR ORGAN - Enclosed 4 + 6

29	8	Gemshorn	from #3	61 notes
30	8	Spillflöte...#1-12	present Gr. Con. Flute pipes #13-85 new pipes; present Gr. Con. Flute action	85 pipes
31	8	Dolce	present Dulciana pipes and action.....	61 pipes
32	4	Principal.....	new pipes; present Eng. Open Diapason action	73 pipes
33	4	Spillflöte	from #30.....	61 notes
34	2	Flöte	from #30.....	61 notes
35	1-1/3	Larigot	from #30.....	61 notes
36	1	Siffelöte	from #30.....	61 notes
37	IV	Zimbel.....	console preparation	
38	8	Festival Trompette	console preparation	
39	16	Holzregal.....	console preparation	
40	8	Dulzian.....	present Clarinet pipes and action.....	61 pipes
41	4	Regal	console preparation (from #39)	
42		Tremolo		

* PEDAL ORGAN 2

43	16	Subbass.....	present Bourdon pipes and action.....	32 pipes
44	16	Bourdon.....	from #14.....	32 notes
45	10-2/3	Quint.....	from #14.....	32 notes
46	8	Principal.....	new pipes; present Tibia action.....	44 pipes
47	8	Gedeckt.....	from #14.....	32 notes
48	4	Choralbass.....	from #46.....	32 notes
49	IV	Mixture.....	48 new pipes and action; 20 notes from #11.....	32 notes
50	16	Contre Trompette.....	from #26.....	32 notes
51	4	Clairon.....	from #26.....	32 notes

(*) Pedal Organ playable thru present relay and new switches.

ANTIPHONAL ORGAN - Enclosed - Present Organ - No change
(Stops controlled by tilting tablets) 3

52	8	Gedeckt.....future tone change.....61 pipes
53	8	Salicional.....61 pipes
54	4	Principal.....future tone change.....73 pipes
55	2	Octave.....from #54.....61 notes
56		Tremolo
57		Blank

COUPLERS - No change

58	Great to Pedal	71	Choir to Swell 16
59	Great to Pedal 4	72	Choir to Swell
60	Swell to Pedal	73	Choir to Swell 4
61	Swell to Pedal 4	74	Swell 16 (tilting tablet)
62	Choir to Pedal	75	Swell Unison (<i>tilting tablet</i>)
63	Swell to Great 16	76	Swell 4 (tilting tablet)
64	Swell to Great	77	Swell to Choir 16
65	Swell to Great 4	78	Swell to Choir
66	Choir to Great 16	79	Swell to Choir 4
67	Choir to Great	80	Choir 16
68	Choir to Great 4	81	Choir Unison
69	Great Unison	82	Choir 4
70	Great 4		

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4-5-6	Affecting Great
Pistons No. 1-2-3-4-5-6	Affecting Swell
Pistons No. 1-2-3-4-5-6	Affecting Choir
Pistons No. 1-2-3-4-5-6	Affecting Pedal
Pistons No. 1-2-3-4-5-6	Affecting Full Organ - duplicated by toe levers
General cancel - duplicated by toe lever	

REVERSIBLES

Great to Pedal - toe lever
 Swell to Pedal - toe lever
 Choir to Pedal - toe lever
 Sforzando - manual piston and toe lever with indicator light (red)
 All Swells to Swell - manual piston with indicator light (amber)

PEDAL MOVEMENTS

Balanced Expression Pedal - Great-Choir Organ - 14 contacts (regular system)
Antiphonal Organ - 8 contacts (regular system)
Balanced Expression Pedal - Swell Organ - 18 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
Motor starter switch
Action current test button and light (white)
Great-Choir - Both-Antiphonal expression control switch
Draw knob & tilting tablet numerals

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