

M. P. MÖLLER Organ Factory

4/146

Dr. R. R. R.
1-2-58

Pipe Organ No. R-604 Date May 24, 1957
 For LONGWOOD GARDENS, KENNETT SQUARE, PA. 19348
 Action Electro-Pneumatic Console Detached - Mahogany
 Casing No. - Finish To Customer's Selection
 Decorations - Motor Present
 Width of Key-bed Standard Stop Controls Draw-Knobs & Tilting Tablets
 No. Manuals Four and Pedal Wind Pressure No Change
 To be Completed October 15, 1959 Blower Pipe furnished by Present

SPECIFICATIONS

FOR

REBUILDING PRESENT AEOLIAN ORGAN OPUS 1726 - 1929

CONSOLE

Install new four manual detached electro-pneumatic drawknob type console, with remote control combination action, pedal keyboard and organ bench, in accordance with the specification included herewith.

Console to be provided with the following features -

English manual keyboards
 Flat manuals
 Roll top
 Numbers for all stops & couplers
 TRACKER TOUCH

GREAT ORGAN

Releather 1174 manual pipe pouches.

Releather four 73 note primary stations.

Releather 18 stop action controls.

Releather the following offset or unit actions -

16	Double Open Diapason	73 notes
16	Bourdon	32 notes
8	First Open Diapason	73 notes
8	Second Open Diapason	12 notes
8	Third Open Diapason	12 notes
8	Fourth Open Diapason	12 notes
8	Tibia Clause	12 notes
8	Major Flute	12 notes
8	Melodia	12 notes
16	Double Trumpet	73 notes

Releather one six stage accordian type expression action.

Releather the following present reservoirs -

One 4'-0" x 6'-0"	Main Great 8" WP
One 2'-0" x 2'-0"	First Open Diapason 10" WP
One 2'-0" x 3'-0"	Reed Chorus 12" WP
One 2'-0" x 3'-0"	Offset Bourdon 8" WP

GREAT ORGAN (cont'd)

Releather four wind cut-off valves.

Releather two electro-pneumatic tremolos.

~~Clean all magnet armatures.~~

INSTALL NEW OUTSIDE TYPE MAGNETS.

Install the following new pipes on present action -

8	First Open Diapason	73 pipes
8	Second Open Diapason	73 pipes
4	First Octave	73 pipes
4	Second Octave	73 pipes
7	Mixture (19-22-26-29-33)	305 pipes

Install modern tuning slides on the following present pipes -

16	Double Open Diapason	1-29	29 tuners
8	Gamba	1-12	12 tuners
8	Gemshorn	1-73	73 tuners
4	Flute Harmonique	1-12	12 tuners
3-1/5	Tenth	1-73	73 tuners

Revoice the following present reed stops -

16	Double Trumpet	73 pipes
8	Trumpet Harmonique	73 pipes
4	Clarion	73 pipes

SWELL ORGAN

Releather 2180 manual pipe pouches.

Releather five 73 note primary stations.

Releather 32 stop action controls and install.

Releather the following offset and unit actions -

16	Contra Viola Diapason	73 notes
16	Melodia	73 notes
8	Open Diapason	12 notes
8	Diapason Phonor	12 notes
8	Horn Diapason	12 notes
8	Geigen Diapason	12 notes
8	Claribel Flute	12 notes
8	Rohr Flute	12 notes
8	Flauto Dolce	12 notes
8	Flute Celeste	12 notes
16	Posaune	73 notes

Releather two six stage accordin type expression actions.

Releather the present reservoirs.

One	4'-0" x 6'-0"	Main Swell I	8" WP
One	2'-6" x 4'-0"	Main Swell II	8" WP
One	2'-6" x 4'-0"	Main Swell III	8" WP
One	2'-0" x 4'-0"	Reed Chorus	10" WP
One	2'-0" x 3'-0"	Offset Contra Viola Diapason	8" WP
One	2'-0" x 3'-0"	Offset Melodia etc.	8" WP

SWELL ORGAN (cont'd)

Releather two wind cut-off valves.

Releather four pneumatic type tremolos.

~~Clean all magnet armatures.~~

Install modern tuning slides on the following present pipes -

INSTALL NEW OUTSIDE TYPE MAGNETS

16	Contra Viola Diapason	1-29	29 tuners
8	Open Diapason	1-17	17 tuners
8	Diapason Phonor	1-7	7 tuners
8	Horn Diapason	1-17	17 tuners
8	Geigen Diapason	1-17	17 tuners
8	Viola di Camba	1-12	12 tuners
8	Camba Celeste	1-12	12 tuners
8	Viole d' Orchestre	1-12	12 tuners
8	Viole Celeste	1-12	12 tuners
8	Salicional	1-12	12 tuners
8	Voix Celeste	1-12	12 tuners
8	Flauto Dolce	1-24	24 tuners
8	Flute Celeste	1-24	24 tuners
4	Octave	1-5	5 tuners
4	Octave (V Grand Mixture)	1-5	5 tuners
2	Flautino	1-61	61 tuners
1-3/5	Tierce (IV Dolce Cornet)	1-61	61 tuners

Revoice the following present reed stops -

16	Posaune	73 pipes
16	Vox Humana	73 pipes
8	Cornopean	73 pipes
8	French Trumpet	73 pipes
8	Oboe	73 pipes
8	Corno di Bassetto	73 pipes
8	Vox Humana F	73 pipes
8	Vox Humana P	73 pipes
4	Clarion	73 pipes

CHOIR ORGAN

Releather 1413 manual pipe pouches.

Releather three 73 note primary stations.

Releather 21 stop action controls and install.

Releather the following offset or unit actions -

16	Contra Camba	73 notes
8	Open Diapason	12 notes
8	English Diapason	12 notes
8	Geigen Principal	12 notes
8	Hohlflöte	12 notes
8	Nachthorn	12 notes
32	Contra Fagotte	85 notes
16	Holsregal (Saxophone)	12 notes

CHOIR ORGAN (cont'd)

Releather one six stage accordian type expression action.
 Releather the following present reservoirs -

One	4'-0" x 6'-0"	Main Choir 8" WP
One	2'-0" x 3'-0"	Offset Contra Fagotto etc. 8" WP

Releather two wind out-out valves.
 Releather one pneumatic type tremolo.

~~clean all magnet armatures.~~

Install the following new pipes on present action

INSTALL NEW OUTSIDE TYPE MAGNETS

16	Holzregal	73 pipes on 8 Saxophone action
4	Rohrshalmei	73 pipes on 8 Clarinet action

Install modern tuning slides on the following present pipes -

16	Contra Camba	1-24	24 tuners
8	Open Diapason	1-17	17 tuners
8	English Diapason	1-17	17 tuners
8	Geigen Diapason	1-17	17 tuners
8	Viola	1-12	12 tuners
8	Spitzflöte	1-73	73 tuners
8	Dulciana	1-12	12 tuners
4	Principal	1-5	5 tuners

Revoice the following present reed stops -

32	Contra Fagotto	85 pipes
8	Orchestral Trumpet	73 pipes
8	Corno d'Amour	73 pipes
8	Musette	73 pipes
4	Oboe Clarion (present Hautbois d'Amour)	73 pipes

SOLO ORGAN

Releather 1472 manual pipe pouches.
 Releather four 73 note primary stations.
 Releather 22 stop action controls.
 Releather the following offset and unit actions -

8	Stentorphone	14 notes
8	Open Diapason	12 notes
8	Tibia Plena	12 notes
8	Philomela	12 notes
8	Doppel Flute	12 notes
16	Tuba Profunda	73 notes
8	Tuba Mirabilis	73 notes
8	French Horn	12 notes

SOLO ORGAN (cont'd)

Releather one six stage accordian expression action.

Releather the following present reservoirs -

One	3'-0" x 5'-0"	Main Solo I - 15" WP
One	2'-6" x 4'-0"	Main Solo II - 15" WP
One	2'-0" x 4'-0"	Reed Chorus - 20" WP
One	2'-0" x 3'-0"	Tuba Mirabilis - 30" WP

Releather three wind cut-out valves.

Releather four pneumatic type tremolos.

~~Clean all magnet armatures.~~

Install modern tuning slides on the following present pipes -

INSTALL NEW OUTSIDE TYPE MAGNETS

8	Stentorphone	1-17	17 tuners
8	Open Diapason	1-17	17 tuners
8	Gamba Celeste	1-12	12 tuners
8	Gross Gamba	1-12	12 tuners
4	Octave	1-5	5 tuners
8	Orchestral Oboe	1-49	49 tuners

Revoice the following present reed stops -

16	Tuba Profunda	73 pipes
8	Tuba Mirabilis	73 pipes
8	Tuba Sonora	73 pipes
8	French Horn	73 pipes
8	English Horn	73 pipes
8	Bell Clarinet	73 pipes
8	Orchestral Oboe	73 pipes
8	Kinura	73 pipes
8	Solo Vox Humana	73 pipes
4	Tuba Clarion	73 pipes

FANFARE ORGAN

Releather 292 manual pipe pouches.

Releather one 73 note primary and install new magnets.

Releather four stop action controls.

Releather one six stage accordian type expression action.

Releather the following reservoir -

One	2'-0" x 3'-0"	25" WP
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Releather one wind cut-out valve.

Releather one pneumatic type tremolo.

~~Clean all magnet armatures.~~

Revoice the following present reed stops -

INSTALL NEW OUTSIDE TYPE MAGNETS

8	Trumpet Harmonique	73 pipes
8	Trumpet Militaire	73 pipes
8	Post Horn	73 pipes

STRING ORGAN

Releather 1396 manual pipe pouches.

Releather three 73 note primary stations and install new magnets

Releather 20 stop action controls and install new magnets.

Releather the following offset actions -

16	Contrabasso	32 notes
16	Contra Salicional	32 notes

Releather one six stage accordian type expression action.

Releather the following present reservoirs -

One	4'-0" x 6'-0"	Main String 8" WP
One	2'-0" x 3'-0"	Offsets 8" WP

Releather one wind cut-off valve.

Releather one pneumatic type tremolo.

~~Clean all magnet armatures.~~

Install modern type tuning slides on the following present pipes

INSTALL NEW OUTSIDE TYPE MAGNETS

16	Contra Salicional	1-12	12 tune
8	Viole d'Orchestre	1-12	12 tune
8	Viole Celeste	1-12	12 tune
8	Violoncello	1-12	12 tune
8	Violoncello Celeste	1-12	12 tune
8	Viola d'Amore	1-12	12 tune
8	Viola d'Amore Celeste	1-12	12 tune
8	Violino Sordo	1-12	12 tune
8	Violino Celeste	1-12	12 tune
8	Salicional	1-12	12 tune
8	Voix Celeste	1-12	12 tune
8	Viola di Gamba	1-12	12 tune
8	Viola di Gamba Celeste	1-12	12 tune
8	Viola Sorda	1-12	12 tune
8	Viola Celeste	1-12	12 tune

Revoice present 8 Vox Humana - 73 pipes

The present piano vacuum action and related mechanism to be used change and shall not be considered a part of this specification.

PERCUSSION ORGAN

Releather one six stage accordian type expression action.

Releather one 3'-0" x 3'-0" reservoir 15" WP.

Releather one wind cut-off valve.

~~Clean all magnet armatures.~~

INSTALL NEW OUTSIDE TYPE MAGNETS.

Chimes

Releather 34 note primary pouches.

Recover 34 pneumatics.

Recover 34 damper pneumatics.

Orchestral Harp

Releather 134 note double primary pouches.
Recover 134 pneumatics.
Recover 134 damper primary pouches.

Celesta

Releather 49 note double primary pouches.
Recover 49 pneumatics.
Recover 49 damper primary pouches.

Glockenspiel

Releather 49 note primary pouches.
Recover 49 pneumatics.
Install 49 new repeat contact blocks & contactors.

Celestial Harp

Releather 49 note double primary pouches.
Recover 49 pneumatics.
Releather 49 damper primary pouches.

Xylophone

Releather 49 note primary.
Recover 49 pneumatics.
Install 49 new repeat contact blocks & contactors.

Oriental Gong

Releather three note primary and secondary pouches.
Recover one 7" x 15" pneumatic.
Recover two 4" x 14" pneumatics.
Install two new repeat contact blocks and contactors.

Tympany

Releather three note primary and secondary pouches.
Recover one 4" x 11" pneumatic.
Recover two 3" x 11" pneumatics.
Install two new repeat contact blocks and contactors.

Castinets, Snare Drum, Tambourine, Tom Tom and Triangles

Releather 7 note primary and secondary pouches.
Recover one 3" x 8" pneumatic.
Recover three 2" x 6" pneumatics.
Recover one 3-1/2" x 7" pneumatic.
Recover one 3" x 8" pneumatic.
Install two repeat contact blocks and contactors.

PERCUSSION ORGAN (cont'd)Cymbal and Bass Drum

Releather 3 note primary and secondary pouches.

Recover two 3" x 9" pneumatics.

Recover one 5" x 9" pneumatic.

PEDAL ORGAN

Releather 32 Double Open Diapason action #1-#12 (Double primaries).

Releather 32 Double Open Diapason action #13-#56 (Single primary).

Releather 32 Contra Bourdon action #1-#12 (Double primary).

Releather 32 Contra Bourdon action #13-#56 (Single primary).

Releather 32 Contra Violone action #1-#56 (Single primary).

Releather 16 Diapason Phemon action #1-#32 (Single primary).

Releather 16 Second Diapason action #1-#32 (Single primary).

Releather 16 Second Bourdon action #1-#56 (Single primary) and install new magnets.

Releather 32 Contra Bombarde action #1-#12 (Double primary).

Releather 32 Contra Bombarde action #13-#68 (Single primary).

Releather V Mixture action as follows -

Releather 154 pipe pouches.

Releather 32 note primary station.

Releather 5 stop action controls.

Releather 5-1/3 Quint offset action #1-#6.

Recover the following reservoirs -

One 3'-0" x 5'-0"	32 Double Open Diapason 1-10	
One 2'-6" x 4'-0"	32 Contra Bourdon 1-6 & 32 Double Open Diapason 11-18	8"
One 2'-0" x 4'-0"	32 Contra Violone 1-14 & 32 Double Open Diapason 29-56	
One 2'-6" x 4'-0"	32 Contra Bourdon 7-56	8"
One 2'-0" x 3'-0"	32 Double Open Diapason 19-28 & 32 Contra Violone 15-35	
One 2'-0" x 4'-0"	16 Diapason Phemon 1-32	16"
One 2'-6" x 4'-0"	16 Second Open Diapason 1-32 & 16 Second Bourdon 1-56	
One 2'-0" x 3'-0"	V Mixture	25" WP
One 2'-0" x 2'-0"	32 Contra Bombarde 1-12	
One 2'-0" x 3'-0"	32 Contra Bombarde 13-68	

Recover four wind cut-off valves.

~~Glue all magnet armatures.~~

INSTALL NEW OUTSIDE TYPE MAGNETS.

Install modern tuning slides on the following pipes -

16	Diapason Phemon	1-32	32 tuners
5-1/3	Quint	1-10	10 tuners
4	Fifteenth	1-4	4 tuners

Revoice the following present reed stops -

32	Contra Bombarde	68 pipes
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BLOWER ROOM

Rework present 2 HP vacuum blower into a pressure blower for console action,
AND SUPPLY NEW 2'-0" x 3'-0" RESERVOIR ON PLATFORM IN BASEMENT IMMEDIATELY UNDER

Recover the following reservoirs -

One	2'-0" x 3'-0"	32" WP
One	2'-0" x 4'-0"	22" WP
One	2'-6" x 4'-0"	14" WP
One	2'-6" x 4'-0"	27" WP
Two	4'-0" x 6'-0"	10" WP
One	4'-0" x 6'-0"	17" WP

AUTOMATIC PLAYER

Releather present player action thruout.

SUPPLY NEW VACUUM PUMP FOR PLAYER ACTION & INSTALL ON PLATFORM IN BASEMENT

RELAYS & SWITCHES

Supply and install new relays & switches as follows -

MANUAL RELAYS

Great	61 notes
Swell	61 notes
Choir	61 notes
Solo	61 notes
Pedal I	32 notes
Pedal II	32 notes
Pedal III	32 notes
Pedal IV	32 notes

DIVISION RELAYS

Great	73 notes
Great	12 notes
Swell	73 notes
Swell	12 notes
Choir	73 notes
Solo	73 notes
String	73 notes
Percussion	61 notes
Pedal (Second Touch)	32 notes
Upper	61 notes
Lower	61 notes
Traps	32 notes