M. P. MÖLLER Organ Factory

Pipe Organ No. 7634 Date May 9, 1947

For St. MICHAEL AND ST. GEORGE EPISCOPAL CHURCH, ST. LOUIS, MISSOURI

Action Electro-pneumatic Console Detached

Casing No. None Finish As per sample

Decorations None Motor Main 7½ H.P. Style 3-P-3330 Antiphonal 3/4 H.P. Style 2-P-2117

Width of Key-bed Standard Stop Control Speaking stops & intra-man. coup. by drawknobs; inter-man. coup. by tilting tablets.

No. Manuals Four Wind Pressure Gt. & Ch. 4"; Sw 4; Ped. 4" & 6"; Antiphonal 5"

To be Completed July 23, 1948 Blower Pipe furnished by Purchaser

SPECIFICATIONS

PITCH: A-440

Great Organ

1	8'	Diapason.....44.....18-19-1/2.....12 Zinc....S.M.....61	pipes
2	8'	Hohlflöte.....Reg. Hohlfloete, Treble, Mel. Bass.....61	pipes
3	8'	Gemshorn.....52-1/3.....12 Zinc....S.M.....61	pipes
4	4'	Octave.....57.....18-19-1/2.....S.M.....61	pipes
5	II Rks.	Grave Mixture.....2A.....Unison 46, Quint 47.....S.M....122	pipes
6	III Rks.	Cymbel.....3-H.....S.M....183	pipes
7		Chimes.....(Deagan "D").....A to F.....#22 to #42..... 21	tubes
8		Tremulant	

Swell Organ

9	16'	Spitzflöte.....36-2/3.....24 Zinc....S.M.....85	pipes
10	8'	Geigen Diapason.....46.....12 Zinc....S.M.....85	pipes
11	8'	Spitzflöte.....from #9.....73	notes
12	8'	Viole de Gambe.....54.....12 Zinc....S.M.....73	pipes
13	8'	Viole Celeste..t.c.....56.....S.M.....61	pipes
14	8'	Flauto Dolce.....52-2/3.....12 Zinc....S.M.....73	pipes
15	8'	Flauto Dolce Celeste t.c.....52-2/3.....S.M.....61	pipes
16	4'	Principal.....from #10.....73	notes
17	4'	Flute Triangulaire.....Reg. Triangulaire Flute.....73	pipes
18	III Rks.	Plein Jeu.....3-I.....S.M.....183	pipes
19	16'	Contrafagotto.....CCC 4-1/2", CC 3-1/2".....85	pipes
20	8'	Trompette.....4".....73	pipes
21	8'	Oboe.....from #19.....73	notes
22	4'	Clarion.....3".....73	pipes
23	8'	Vox Humana.....1-1/2".....S.S.B.....73	pipes
24		Tremulant	

Choir Organ

25	8'	Viola.....52.....12 Zinc....S.M.....73	pipes
26	8'	Concert Flute....Reg. Concert Flute....Reg. Stopped Bass...73	pipes
27	8'	Erzahler.....52-1/4.....12 Zinc....S.M.....73	pipes
28	8'	Erzahler Celeste t.c.....52-1/4.....S.M.....61	pipes

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Choir Organ (Cont d)

29	4'	Rohrflöte (unit)	64	Chimney Flute	S.M.	73	pipes
30	2-2/3'	Rohrnasat	from #29			61	notes
31	2'	Rohr Fifteenth	from #29			61	notes
32	8'	Clarinet	1-1/2"			73	pipes
33		Harp	Maas - Rowe Vibrachord			44	bars
34		Tremulant					

Antiphonal Organ Wind 5"

35	8'	Diapason	45	18-19-1/2	12 Zinc S.M.	73	pipes
36	8'	Chimney Flute	56	12 Zinc	S.M.	85	pipes
37	8'	Dulciana	56	12 Zinc	S.M.	85	pipes
38	8'	Unda Maris t.c.	56-2/3		S.M.	61	pipes
39	4'	Principal	58	18-19-1/2	S.M.	73	pipes
40	4'	Rohrflöte	from #36			73	notes
41	4'	Dulcet	from #37			73	notes
42		Tremulant					

(Note: The Antiphonal Organ is to be located at the opposite end of the Nave from the main organ)

Pedal Organ

43	32'	Grand Cornet	See Note A			32	notes
44	16'	Contre Bass	Reg. Contra Bass			32	pipes
45	16'	Bourdon	Large Ped. Bdn.			44	pipes
46	16'	Spitzflöte	from #9			32	notes
47	8'	Octave	38	17-1/2	12 Zinc S.M.	44	pipes
48	8'	Spitzflöte	from #9			32	notes
49	8'	Bourdon	from #45			32	notes
50	4'	Super Octave	from #47			32	notes
51	4'	Spitzflöte	from #9			32	notes
52	16'	Posaune	CCC 8', CC 4-1/2"			44	pipes
53	16'	Contrafagotto	from #19			32	notes
54	8'	Posaune	from #52			32	notes

Couplers

55	Great to Pedal "	57	Swell to Pedal "
56	Great to Pedal 4'	58	Swell to Pedal 4'

Couplers

59 Choir to Pedal
60 Choir to Pedal 4'
61 Antiphonal to Pedal
62 Great 16'
63 Great Unisan
64 Great 4'
65 Swell to Great 16'
66 Swell to Great
67 Swell to Great 4'
68 Choir to Great 16'
69 Choir to Great
70 Choir to Great 4'
71 Antiphonal to Great 16'
72 Antiphonal to Great
73 Antiphonal to Great 4'
74 Choir 16'
75 Choir Unison
76 Choir 4'
77 Swell to Choir 16'
78 Swell to Choir
79 Swell to Choir 4'
80 Swell 16'
81 Swell Unison
82 Swell 4'
83 Antiphonal 16'
84 Antiphonal Unison
85 Antiphonal 4'

Adjustable Combinations

(Capture type Remote Control)

Pistons No. 1-2-3-4-5-6-7-8 Affecting Great Organ
Pistons No. 1-2-3-4-5-6-7-8 Affecting Swell Organ
Pistons No. 1-2-3-4-5-6-7-8 Affecting Choir Organ
Pistons No. 1-2-3-4 Affecting Antiphonal Organ
Pistons No. 1-2-3-4-5-6-7-8 Affecting Pedal Organ
Pistons No. 1-2-3-4-5-6-7-8 Affecting Entire Organ; Generals
General Cancel Piston

Pedal Movements

Balanced Expression Pedal to Swell Organ
Balanced Expression Pedal to Great & Choir Organ
Balanced Expression Pedal to Antiphonal Organ
Balanced Crescendo Pedal
Sforzando Reversible by toe Stud and Manual Piston
Great to Pedal Reversible by toe stud and manual piston

Pedal Movements

Swell to Pedal Reversible by toe stud and manual piston
Choir to Pedal Reversible by toe stud and manual piston
Eight toe studs duplication manual general Pistons
All Swells to Swell (Toe Stud - Manual Piston & Tilting Tablet)

Accessories

Crescendo Indicator lights
Sforzando Indicator light
Signal Light from Narthex
Signal Button (Left Cheek, Choir Manual)
7 Instrument control, Maas - Rowe Vibrachord)
Concave, Radiating Pedal Clavier
Organ Bench with Music Shelf
Electric motor and blower and action current generator of ample capacity

NOTE A 16' Bourdon; 16' Contra Bass; 10-2/3 Bourdon; 10-2/3' Spitzfloete; 8' Spitzfloete; 6-2/5' Spitzfloete; 4' Spitzfloete

General Conditions

The purchaser hold the option to re-write these specifications for three manuals instead of four, in the event the Antiphonal organ herein specified (5 ranks) cannot be accomodated on the rear wall of nave due to architectural limitations. In such an event, the over all size of the organ will be reduced and the price negotiated by the parties hereto. This decision will be made by September 1, 1947.

The purchaser holds the option to retain the present Estey tubular action organ now located in the church, or to sell it to M. P. Moller, Inc. for $950.00 this amount then to be deducted from final payment on the new organ. Purchaser will give M. P. Moller, Inc. ultimate word on disposal of the old organ by January 1, 1948.

M. P. Moller, Inc. will build the expression walls complete with their expression shades. M. P. Moller, Inc. will build walls which confine the passages through each organ through which Communicants pass, such walls built of regular swell box construction and passages will be no less than 2'-6" wide.

M. P. Moller, Inc. will build the complete expression box around the Antiphonal Organ, same to be erected on a suitable platform provided by the purchaser. Access door for tuning will be provided on one side. M. P. Moller, Inc. will supply a separate blower for the Antiphonal organ if necessary

General Conditions (Cont'd)

Purchaser will provide level floor in the north chamber by removing present ramp, also will remove present joists and floor in south chamber and lower the floor level about 2 feet.

If present Estey organ is sold to M. P. Moller, Inc., no parts or materials of it will be used in the construction of the new Moller organ.

Specifications of materials

(Paragraph 3 of a letter of March 27, 1947 from W. A. Brummer to Charles C. Allan.

Metals: All basses will be of American unannealed zinc. These usually run from the bottom 12 pipes to tenor C.
All pipes of the Diapason family (tenor C up) will be of spotted metal about 60% tin 40% lead with necessary antimony etc.
All pipes of the Flute family (tenor C up) will be of spotted metal approxmately 50% tin 50% lead.
All pipes of the String family (Tenor C up) will be 70% tin 30% lead.
Resonators of reed stops will have zinc bodies with 60% tin spot metal tops or bells.

Woods: Chests are built of California sugar pine (white pine of the finest, straightest quality).
Pipes are built of sugar pine or spruce as size, weight and needed tensile strength require. Mouth caps where the voicer "nicks" made of walnut or maple.
Reservoirs, shutters, etc. are made of poplar or sugar pine.
Foundation frames, structural supports etc. made of spruce.
Console foundation and construction of maple.
Console exterior and casework (if any) of such hardwood as the buyer chooses.

Woods Continued: As you know, a most important factor about woods, in addition to selecting the proper species for the various uses, and selection of good grades of each species, is the whole matter of preparation and drying. Moller entered the war period with over two million feet of pre-war cut wood of many varieties, piled in our air-dry sheds located on two sides of our rail siding. When the manufacture of musical instruments was stopped, we went into metal aircraft building. This wood air dried for four years. Naturally, in the large number of organs we build, we have drawn upon this supply. But we lost no time in placing new wood at the far end of the system as we drew out wood at the driest end, and have agents right at the forests keeping us stocked.

In addition to this, all wood gets a period of at least four weeks in our large system of kilns. These are concrete underground structures in which temperature and humidity are scientifically maintained for the needs of each species. The point is that any builder not having a large back stock of already dried wood, will have to use wood recently cut, as he could not wait long enough for it to dry slowly, or he would have nothing to build with today.

Contacts: Moller uses silver for all contacts. This is alloyed with a stiffening agent to insure proper spring and tension to the contacts. Furthermore, the contacts are of the "ribbon" type which means they have the necessary strength to bear solidly on each other. The result is that Moller organs simply don't have dead notes from weak or corroded contacts.

Leather: Many varieties of leather are used. Imported English Pneumatic skins are used for the chest action. Various types of Domestic and Imported skins are used for gussets, power pneumatics, etc.

Blower: Moller owns and operates the Kinetic Engineering Corporation and the Kinetic blower is built under the Moller roof. There are only two reliable Blowers in the United States; Kinetic and Spencer. The latter is built by the Spencer Turbine Company of Hartford, Connecticut, and is not owned by any organ builder. All builders must buy their blowers from one of the two companies. Therefore, Moller is building blowers for many other builders. Exceptions are two lesser builders who assemble a small fan of their own.

JR
11/14/47