

M. P. MÖLLER Organ Factory

Pipe Organ No. 4529

Date October 16, 1925.

For The Frankford High School, Philadelphia, Pa.

Action Elec. Console Detached & Movable 15'

Casing of None Finish

Decorations None Motor Elec.

Width of Key-bed Stop Controls Stop Keys

No. Manuals Three Wind Pressure ~~See~~ See Spec.

To be completed April 5, 1926. Blower pipe furnished by School

Pitch A-440

SPECIFICATIONS:

GREAT ORGAN 61 Note Chest. 5" Wind.

1	16'	Open Diapason....42 scale at 8'..24 off.....	73 Pipes
2	8'	Open Diapason..Leathered...38 scale..12 off.....	61 "
3	8'	Second Open Diapason.....from #1.....	61 Notes
4	8'	Dulciana.....From #37.....	73 "
5	8'	Gross Flute.....12 off..#1 scale..12" wind.....	61 Pipes
6	8'	Doppel Flute.....	61 "
7	8'	Gemshorn.....From #39.....	73 Notes
8	4'	Principal.....From #5.....	61 "
9	4'	Flute Harmonic.....	73 Pipes
10	4'	Fern Flute.....From #43.....	61 Notes
11	2'	Piccolo.....From #9.....	61 "
12	3 Rks.	Cornet Mixture.....12-15-17.....	183 Pipes
13	8'	Tuba Mirabilis.....From #14.....	61 Notes
14	16'	Tuba Profunda.....From #14.....	61 "
15	4'	Tuba Clarion.....From #14.....	61 "
16		Chimes, Deagan.....	25 Bells
17		Harp.....From #48.....	49 Notes

SWELL ORGAN - 73 Note Chest - 7" wind.

18	16'	Lieblich Gedeckt.....Unit.....24 off.....	97 Pipes
19	8'	Open Diapason.....40 scale....12 off.....	73 "
20	8'	Salicional.....	73 "
21	8'	Vox Celeste.....T. C.....	61 "
22	8'	Viole d'Orchestre.....90% tin.....	73 "
23	8'	Gedeckt.....From #18.....	73 Notes
24	8'	Concert Flute.....	73 Pipes
25	4'	Salicet.....From #20.....	61 Notes
26	4'	Flute d'Amour.....From #18.....	73 Notes
27	2-2/3'	Quint.....From #18.....	61 "
28	2'	Flautina.....From #18.....	61 "
29	1-3/5'	Tierce.....From #18.....	61 "
30	8'	Oboe.....	73 Pipes
31	16'	Bassoon.....From #30....T. C.....	61 Notes
32	8'	Cornocean.....12 off.....	73 Pipes
33	8'	Vox Humana.....S. S. B.....	85 "
34	4'	Vox Humana.....From #33.....	73 Notes

CHOIR ORGAN - 73 Note Chest. -5" Wind.

35	8'	English Diapason.....44 scale.....	73 Pipes
36	8'	Viole.....58 scale.....	73 "
37	8'	Dulciana.....	73 "
38	8'	Unda Maris.....T. C.....	61 "
39	8'	Gemshorn.....	73 "
40	8'	Gemshorn Celeste..... From T. C.....	61 "
41	8'	Clarabella.....Melodia scale.....	73 "
42	4'	Viola.....From #36.....	61 Notes

CHOIR ORGAN -continued-

43	4'	Fern Flute.....	Rohr scale.....	73	Pipes
44	2'	Flageolet.....	From #43.....	61	Notes
45	8'	French Horn.....	12".....	73	Pipes
46	8'	Clarinet.....		73	"
47	8'	Tuba Mirabilis....	16' unit..24 off...12" wind.....	85	Pipes
48		Harp.....		49	Bars

PEDAL ORGAN

49	32'	Resultant.....		32	Notes
50	16'	Open Diapason.....		44	Pipes
51	16'	Second Open Diapason.....	From #1.....	32	Notes
52	16'	Bourdon.....		32	Pipes
53	16'	Lieblich Gedeckt.....	From #18.....	32	Notes
54	8'	Dolce Flute.....	From #18.....	32	"
55	8'	Octave.....	From #50.....	32	"
56	8'	Violoncello.....	From #36.....	32	"
57	8'	Major Flute.....	From #5.....	32	"
58	16'	Trombone.....	From #47.....	32	"
59	8'	Tuba.....	From #47.....	32	"

COUPLERS

60	Great to Pedal	71	Swell 4'
61	Great to Pedal x 4'	72	Swell 16'
62	Swell to Pedal	73	Choir to Swell
63	Swell to Pedal 4'	74	Choir to Swell 4'
64	Choir to Pedal	75	Choir to Swell 16'
65	Swell to Great	76	Choir 4'
66	Swell to Great 4'	77	Choir 16'
67	Swell to Choir 16'	78	Great 4'
68	Choir to Great	79	Great 16'
69	Choir to Great 4'	80	Swell to Choir
70	Choir to Great 16'	81	Swell to Choir 4'
		82	Swell to Choir 16'

MECHANICALS

83	Great Tremulant
84	Swell Tremulant
85	Choir Tremulant
86	Great Unison Cancel (Placed in Key Jamb)
87	Swell Unison Cancel (Placed in Key Jamb)
88	Choir Unison Cancel (Placed in Key Jamb)

ADJUSTABLE COMBINATIONS

(Operated by pistons placed under respective manuals, visible and adjustable at ~~expression~~ console.)

Pistons No. 1-2-3-4-5-6	Affecting Swell and Coupler Stops
Pistons No. 1-2-3-4-5-6	Affecting Great and Coupler Stops
Pistons No. 1-2-3-4-5-6	Affecting Choir and Coupler Stops
Pistons No. 1-2-3-4-5-6	Affecting Pedal and Coupler Stops
Pistons No. 1-2-3-4-5-6	Affecting Full Organ

PEDAL MOVEMENTS

1	Swell to Pedal Reversible
	Choir to Pedal Reversible
	Great to Pedal Reversible
	Balanced Swell Organ Expression Pedal
	Balanced Choir Expression Pedal
	Balanced Great Expression Pedal
	Grand Crescendo Pedal and Indicator
	Sforzando Pedal and Indicator (Reversible)
	Sforzando Button reversible under Great Manual
	Studs to Duplicate General Pistons
	Pedal Pistons to Manual Pistons, On and Off under each manual
	Organ Bench with Music Shelf
	Concave Pedal

46 8' Clarinet.....85 Pipes
 47 8' Tuba Mirabilis....16' unit..24 off...12" wind.....49 Bars
 48 Harp.....

PEDAL ORGAN

49 32' Resultant.....32 Notes
 50 16' Open Diapason.....44 Pipes
 51 16' Second Open Diapason.....From #1.....32 Notes
 52 16' Bourdon.....32 Pipes
 53 16' Lieblich Gedeckt.....From #18.....32 Notes
 54 8' Dolce Flute.....From #18.....32 "
 55 8' Octave.....From #50.....32 "
 56 8' Violoncello.....From #36.....32 "
 57 8' Major Flute.....From #5.....32 "
 58 16' Trombone.....From #47.....32 "
 59 8' Tuba.....From #47.....32 "

COUPLERS

60	Great to Pedal	71	Swell 4'
61	Great to Pedal x 4'	72	Swell 16'
62	Swell to Pedal	73	Choir to Swell
63	Swell to Pedal 4'	74	Choir to Swell 4'
64	Choir to Pedal	75	Choir to Swell 16'
65	Swell to Great	76	Choir 4'
66	Swell to Great 4'	77	Choir 16'
67	Swell to Choir 16'	78	Great 4'
68	Choir to Great	79	Great 16'
69	Choir to Great 4'	80	Swell to Choir
70	Choir to Great 16'	81	Swell to Choir 4'
		82	Swell to Choir 16'

MECHANICALS

83 Great Tremulant
 84 Swell Tremulant
 85 Choir Tremulant
 86 Great Unison Cancel (Placed in Key Jamb)
 87 Swell Unison Cancel (Placed in Key Jamb)
 88 Choir Unison Cancel (Placed in Key Jamb)

ADJUSTABLE COMBINATIONS

(Operated by pistons placed under respective manuals, visible and adjustable at ~~organ~~ console.)

Pistons No. 1-2-3-4-5-6 Affecting Swell and Coupler Stops
 Pistons No. 1-2-3-4-5-6 Affecting Great and Coupler Stops
 Pistons No. 1-2-3-4-5-6 Affecting Choir and Coupler Stops
 Pistons No. 1-2-3-4-5-6 Affecting Pedal and Coupler Stops
 Pistons No. 1-2-3-4-5-6 Affecting Full Organ

PEDAL MOVEMENTS

1 Swell to Pedal Reversible
 Choir to Pedal Reversible
 Great to Pedal Reversible
 Balanced Swell Organ Expression Pedal
 Balanced Choir Expression Pedal
 Balanced Great Expression Pedal
 Grand Crescendo Pedal and Indicator
 Sforzando Pedal and Indicator (Reversible)
 Sforzando Button Reversible under Great Manual
 Studs to Duplicate General Pistons
 Pedal Pistons to Manual Pistons, On and Off under each manual
 Organ Bench with Music Shelf
 Concave Pedal
 Electric blower, motor and action current generator of ample capacity.
 Test Lamp for Action Generator.

DETAILS OF CONSTRUCTION

The Ground sill is to be extra heavy and with the upright frame, is to be rigidly constructed of well-seasoned material, every partion firmly put together.

The Swell Shades are to be constructed of heavy material, not less than 2-1/2" thickness, framed together. The Shades to be vertical, to swing on ~~ballpin~~ metal pins, bushed with felt, and so constructed as to insure tight closing and prompt, noiseless operation. Sufficient stations to produce gradual crescendo. Ball bearings on swell shades.

The Bellows and Regulators are to be of ample size to supply sufficient wind for the greatest possible demand, also to furnish wind at a uniform pressure, no matter what the demand. They are to be framed with panels screwed on to be double-leathered with the best alum-tanned sheepskin, to be provided with automatic safety valve and regulating valve. Separate reservoir for each organ.

Wind Chest. The Wind Chests are to be of the individual valve type so that each pipe will have its own individual supply of wind, preventing robbing or unsteadiness of speech. The use of compressed air through tubes and channels to operate each individual valve avoids complicated levers and kindred devices, thus insuring instantaneous operating and repetition. Woods used in Chests to be shellac-sized throughout.

Couplers. The coupler action is to be operated electro-pneumatic eliminating entirely any variation in the weight of the touch whether or not the couplers are in use.

For new pipes. No stopped or mitered basses shall be used in any normally open stop, except where it is positively necessary.

The wood Pipes shall be made of the best selected stock, glued on the inside and coated with two coats of shellac varnish on the outside; all to be supplied with wooden feet, metal toes being used for the smaller pipes and gates for the larger. The large metal pipes shall be made of the best quality and appropriate weight of annealed zinc. All other metal pipes to be made of a composition of tin and lead in the proper proportions to give the best results for the quality of tone required.

The scale of all pipes shall be in accordance with the best standards, and the voicing shall be of the highest order of excellence, with the proper volume throughout.

Stop Action. The Stop Action shall be of the colored Stop key type, with the tablets placed over the swell manual and plainly marked with the name of the stop or coupler, and tablet of each borrowed to specify in which Swell Box same is located, - Ex; Gamba from Choir Reeds - Red; Strings - Amber; Flutes and Diapasons - White; Couplers - White with Red Lettering; Reserve right to change style of console within 60 days after signing contract.

The Crescendo Pedal shall be so arranged as to bring on the stops in accordance with the strength of tone and cancel them in the reverse order. It however, shall be made adjustable, so that any stop not desired on the Crescendo Pedal can be disconnected from it. ~~xxxxxx~~ Use Standard Crescendâ - Huberoff

Combination Pistons. The Combination Pistons, whenever provided for are to be adjustable at the console, double acting, so that they can be adjusted to bring on or cancel any stops which are so set. They shall also be arranged that the couplers can be set to act with the Combination Pistons if desired. With a view to securing the greatest possible durability and utility, none but the best and most improved materials and methods of construction shall be used in any part of the instrument, so that the complete instrument shall be of the highest order of excellence. Scales and Wind Pressure and Swell Shade Area shall be such that tone will fill Auditorium.

The Swell Shades are to be constructed of heavy material, not less than 2-1/2" thickness, framed together. The Shades to be vertical, to swing on ~~metal~~ metal pins, bushed with felt, and so constructed as to insure tight closing and prompt, noiseless operation. Sufficient stations to produce gradual crescendo. Ball bearings on swell shades.

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Keyboard: Ivory; Ebony Sharps.