

SPECIFICATION No. 218-GS-24

DATE August 12, 1963.

DESIGNED FOR ST. HENRY'S CHURCH,

LINCOLN PARK, Michigan.

G 56

COMPASS OF MANUALS

CC TO ~~E~~ 61 KEYS

COMPASS OF PEDAL

CCC TO G 32 KEYS

FEET

PIPES

- GREAT ORGAN - (unenclosed)

1	Principal	8	56
2	Rohrflöte	8	56
3	Octave	4	56
4	Blockflöte	2	56
5	Mixture IV	1 1/3	224

- SWELL ORGAN - (enclosed)

6	Gedackt	8	56
7	Gemshorn	8	56
8	Gemshorn Celeste T.C.	8	44
9	Spitzflöte	4	56
10	Principal	2	56
11	Quinte	1 1/3	56
12	Zimbel III	1/2	168
13	Trompette	8	56
	Tremulant		

- PEDAL ORGAN -

14	Subbass	16	32
15	Principal	8	32
16	Bourdon fr. 14	8	12
17	Choralbass	4	32
18	Fagott L/2	16	32

- COUPLERS -

Great to Pedal  
 Swell to Pedal  
 Swell to Pedal 4  
 Swell to Great  
 Swell to Great 16  
 Swell to Great 4  
 Swell to Swell 16  
 Swell to Swell 4

- COMBINATION PISTONS -  
(hold-set type)

Great and Pedal	1,2,3	(thumb)
Swell	1,2,3	(thumb)
General	1,2,3	(toe)

General Cancel

- REVERSIBLE TOE PISTON -

Great to Pedal

- BALANCED PEDALS -

Crescendo on all stops and couplers  
Swell expression

- INDICATOR LIGHTS -

Crescendo  
Wind

The console shall be all-electric and detached from the organ.

The stops and couplers shall be controlled by tilting tablets placed above the upper keyboard.

The console case, the organist's bench and the pedalboard shall be of oak, finished to match surrounding woodwork. A sample of the wood and finish shall be furnished by the purchaser at least six (6) months prior to the date of delivery.

The interior of the console, such as the coupler-board, the key cheeks, etc., shall be of mahogany with a hand-rubbed, flat finish, in a shade that will afford a harmonious contrast with the exterior casework.

The music rack shall be of tempered plate glass, fixed on top of the console.

The keyboards shall have no cover; a lock-switch shall be provided by the builder for the blower starter.

The console case shall have side brackets at either end of the keyboards.

The organ shall be located in the chancel.

SPECIFICATION (continued)

- III -

The metal pipework shall be made according to the builder's standard practice; zinc up to 4' (speaking length) and spotted metal thereafter.

No casework, grilles, ornamental or displayed work is included in this specification. These items, if they are to be supplied by the builder, shall become the subject of separate estimates and purchase agreements when the organ and the facade are determined.

There shall be a blower and motor of ample capacity provided by the builder. The purchaser shall furnish the electrical current characteristics at least six (6) months prior to the date of delivery.

# DESCRIPTION OF THE CONSTRUCTION AND OF SOME OF THE SPECIAL DEVICES

This *Casavant organ* will be designed and built in the Builder's own factory. The different parts will be disposed in such manner as to assure free egress of tone, and easy access for regulating and tuning. The materials used in the construction will be of the very best quality. All lumber will be carefully seasoned, dried and stress-relieved in the Builder's automatic dry kilns in the most modern and scientific manner and finished with one coat of sealer and one coat of hot-spray lacquer.

The *building frame* will be made of selected material having ample strength to support all the organ parts and pipes, and strengthened with cross bars to assure the utmost rigidity.

*Wind regulators* ("schwimmers") and *wind reservoirs* of ample size to supply fullest legitimate demand will be used. The reservoirs will be of the singlefold type, stoutly framed and double leath-ered. Wind pressures will be obtained by springs and (if necessary) by weights suspended on the interior of the reservoir. Concussions will also be placed wherever necessary.

The *chests* will be of the original *Casavant* design with a valve for each pipe except mixtures and of the improved "pitman" type stop action. All pouches will be made of high grade lambskin with valves easily accessible for adjustment and repair. Ample speaking room for the pipes will be provided. All channelling and boring will be scientifically accurate to insure both an abundance of wind to each pipe and instantaneous response.

The *expression boxes* will be glued-up stock (not panelled) and the shutters insulated against sound, held in the frame by pin bearings, felt bushed to prevent squeaking. One edge of each shutter will be felted to insure effective expression.

The *console* will be constructed with the greatest care and all parts of the mechanism will be designed so as to be easily accessible for regulating. All moving parts will be well bushed with felt. All manual keyboards will be equipped with improved "tracker touch" (patented by *Casavant* in 1905). Both manual and pedal contacts will be of the roller contact type. Both vertical and horizontal con-tacts will be of heavy gauge sterling silver with ample contact pressure to reduce resistance at the joint. A *Casavant* pioneered device will insure that, when the vertical contact meets the roller, it is wiped clean before the horizontal contact on the roller meets it, and assures proper contact even while a chord is being played. All measurements and layout of the console will be in accordance with the recommendations of the American Guild of Organists. Pedalboard will be concave and radiating and may be either the original *Casavant* design or the measurement recommended by the American Guild of Organists. All manual keys will be covered in 8-cut plate ivory, with bevelled edges. The pedal naturals will be of solid first quality maple, and the sharps of black plastic.

The *action* will be electro-pneumatic. The electro magnets will be of the two-pole horse shoe type.

The *adjustable combination* action on all drawknob consoles will be the original *Casavant* patented "capture type" which visibly affects the draw stops or tablets.

The *metal pipes* unless otherwise noted will be made from an alloy of tin and lead, called "spotted metal". The mouths and tuning pieces of all zinc pipes will also be made of "spotted metal". Pipes in zinc will not extend further up the compass of any stop than Tenor C (i.e. approx-imately 4 feet in length) and will be of such *gauge* and weight as to prevent imperfect tone. All pipes of normally open registers will be full length and not capped in the bass, unless otherwise noted. All zinc pipes will be washed in a special preparation and given a coat of metal lacquer to protect them from oxidation.

The *wood pipes* will be made of the highest quality of lumber, glue-sized inside and lacquered to protect them against moisture. All pipe feet of less than  $\frac{3}{4}$ " bore will have metal toes, and all pipes having feet larger than  $\frac{3}{4}$ " bore will be fitted with special wind regulators.

The pipes will be voiced with great care by voicers of long experience who will give each stop its own individual character, and at the same time assure that it contributes to a well balanced ensemble.

The organ will be completely assembled in the Builder's factory, and every portion will be carefully inspected for possible defects by men who are specialists in their line of work. The instrument will be playable and may be heard by the purchaser before being taken down for shipment.