SALT LAKE TABERNACLE ORGAN
The Church of Jesus Christ of Latter-day Saints
Salt Lake City, Utah, USA
Æolian-Skinner, Opus 1075 — 1948

Five-manual and pedal detached console; Electro-pneumatic key and stop action
147 voices, 206 ranks, 11,623 pipes

The original organ in the Salt Lake Tabernacle was built by Joseph Ridges in 1867 with 2 manuals. It was rebuilt and enlarged by Niels Johnson (1889), Kimball Organ Company (1901), and Austin Organ Company (1916, 1926, 1937). A contract for a new organ was signed with the Æolian-Skinner Organ Company of Boston in 1945. At the time, G. Donald Harrison was company president and tonal director. Some pipework from earlier organs was retained, but the organ installed was essentially new. Further additions were made during renovations in 1979 and 1984-88. These were mostly stops which Harrison intended to install but which were omitted for various reasons. The instrument is recognized by many as a quintessential example of the American Classic style of organ building, an eclectic approach championed and brought to its zenith by G. Donald Harrison.

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**Great Manual II**
29 voices, 44 ranks, 2,564 pipes
Wind pressures 3½", 3½", 4½", 7½" (89, 98, 116, 124 mm.)

16' Subprincipal…………..61 pipes
16' Quinten………………..61 pipes
8' Principal………………..61 pipes
8' Diapason………………..61 pipes
8' Bourdon………………..61 pipes
8' Spitzflöte………………..61 pipes
8' Flûte Harmonique*…….61 pipes
8' Bell Gamba……………..61 pipes
5½' Grosse Quinte…………..61 pipes
4' Principal………………..61 pipes
4' Octave…………………..61 pipes
4' Koppelflöte……………..61 pipes
4' Flûte Octaviante*……….61 pipes
4' Gemshorn………………61 pipes
3½' Grosse Tiersce…………..61 pipes
2½' Quinte…………………..61 pipes
2' Super Octave…………….61 pipes
2' Blockflöte……………….61 pipes
1⅓' Tiersce…………………..61 pipes
1½' Septième………………..61 pipes
1½' Full Mixture IV………244 pipes
2' Fourniture IV……………244 pipes
1⅓' Kleine Mixture IV……244 pipes
1' Acuta III……………….183 pipes
8' Cornet V* (f-F)……….185 pipes
16' Double Trumpet*……..61 pipes
8' Trumpet*………………..61 pipes
4' Clarion*………………….61 pipes

Positiv on Great

† Celeste stops marked with a dagger draw the celeste rank as well as the straight rank, and include a "II" on the stopknob

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**Swell (enclosed) Manual III**
29 voices, 40 ranks, 2,561 pipes
Wind pressures 4½", 4½", 4⅞", 5⅞", 6½" (108, 124 mm.)

16' Lieblich Gedeckt**……68 pipes
16' Gemshorn………………68 pipes
8' Geigen Principal………..68 pipes
8' Gedeckt…………………..68 pipes
8' Claribel Flute**………..68 pipes
8' Flauto Dolce……………68 pipes
8' Flute Celeste (TC) †……56 pipes
8' Viole de Gambe…………68 pipes
8' Viole Celeste †…………68 pipes
8' Orchestral Strings II……136 pipes
8' Salicional………………68 pipes
8' Voix Celeste †…………68 pipes
4' Pristent………………….68 pipes
4' Fugara………………….68 pipes
4' Flauto Traverso…………61 pipes

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**Positiv Manual I**
16 voices, 21 ranks, 1,257 pipes
Wind pressure 2½" (67 mm.)

8' Principal*………………61 pipes
8' Cor de Nuit…………….61 pipes
8' Quintade………………..61 pipes
4' Principal………………..61 pipes
4' Nachthorn……………..61 pipes
2½' Nazerd…………………61 pipes
2’ Principal………………61 pipes
2’ Spillflöte……………..61 pipes
1½' Tierce…………………61 pipes
1½’ Larigot……………….61 pipes
1’ Siffloète……………….61 pipes
1½’ Septerz II…………….98 pipes
1’ Scharf III………………183 pipes
½’ Zimbel III………………183 pipes
16’ Rankett……………….61 pipes
8’ Cromorne*……………61 pipes
Tremulant

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**Choir (enclosed) Manual I**
18 voices, 24 ranks, 1,536 pipes
Wind pressure 4½" (121 mm.)

16’ Gamba…………………68 pipes
8’ Principal………………68 pipes
8’ Concert Flute…………68 pipes
8’ Viola…………………..68 pipes
8’ Viola Celeste †………..68 pipes
8’ Dulcit II………………..136 pipes
8’ Kleine Erzühler II……124 pipes
4’ Pristent………………..68 pipes
4’ Zauberpflöte………….68 pipes
4’ Gambette………………68 pipes
2’ Piccolo Harmonique…..61 pipes
2½’ Carillon III………….183 pipes
2½’ Sesqualitera II* (from Carillon)
1’ Fife* (from Carillon)
2’ Rauschpfeife III………183 pipes

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*Added as part of renovation project, 1986-88
**Retained from earlier Tabernacle organs
***Added in 1979

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Salt Lake Tabernacle Organ
Organ Specification (23 August 2019)
16' Dulzian ............................ 61 pipes
8' Trompette ............................ 61 pipes
8' Krummhorn ............................ 61 pipes
8' Orchestral Oboe ....................... 61 pipes
4' Rohr Schalmei ........................ 61 pipes
8' Trompette Harmonique* (Bombarde)
Tremulant
Positiv off Choir*
Choir to Choir 16'
Choir to Choir 4' (only affects stops with top octave extensions)

**Bombarde** Manual IV
8 voices, 18 ranks, 1,038 pipes
Wind pressure 6¼" (156 mm.)

- 8' Diapason ............................ 61 pipes
- 4' Octave ............................... 61 pipes
- 2⅔' Grosse Cornet IV-VI ....... 306 pipes
- 2⅔' Grande Fourniture VI ....... 366 pipes
- 16' Bombarde ........................ 61 pipes
- 8' Trompette Harmonique* 61 pipes (12'/305 mm. wind)
- 8' Trompette ............................ 61 pipes
- 4' Clairon ............................... 61 pipes

**Solo** (enclosed) Manual IV
11 voices, 11 ranks, 727 pipes
Wind pressure 9¾" (237 mm.)

- 8' Flauto Mirabilis ........................ 68 pipes
- 8' Gamba ................................... 68 pipes
- 8' Gamba Céleste † ........................ 68 pipes
- 4' Concert Flute .......................... 68 pipes
- 2½' Nazard*** ............................. 61 pipes
- 2' Piccolo*** ............................... 61 pipes
- 1½' Tierce*** .............................. 61 pipes
- 8' French Horn ........................... 68 pipes
- 8' English Horn .......................... 68 pipes
- 8' Corno di Bassetto ...................... 68 pipes
- 8' Tuba ...................................... 68 pipes (11½'/92 mm. wind)
- 8' Cornet V (Great)
- Chimes (c-g² amplified) 32 tubes
- 8' Harp (c-c² amplified) ............... 49 bars
- 4' Celesta (from harp) .................... 61 notes
- Tremulant
- Positiv on Solo*
- Solo-Bombarde to Solo-Bombarde 16'
- Solo-Bombarde to Solo-Bombarde 4' (affects all stops)

**Antiphalon** (enclosed) Manual V
9 voices, 11 ranks, 720 pipes
Wind pressure 4¾" (111 mm.)

- 8' Diapason ............................ 68 pipes
- 8' Gedeckt** .............................. 68 pipes
- 8' Salicional ............................. 68 pipes
- 8' Voix Céleste † ........................ 68 pipes
- 4' Principal ............................. 68 pipes
- 2' Kleine Mixtur III ............. 183 pipes
- 8' Trompette ............................. 68 pipes
- 8' Vox Humana ........................... 68 pipes
- 8' Tuba Mirabilis* ........................ 61 pipes (Front case; 15'/381 mm. wind)
- 8' Cornet V* (Great)
- Tremulant
- Antiphalon to Antiphalon 16'*
- Antiphalon to Antiphalon 4' (affects all stops)

**Pedal**
27 voices, 37 ranks, 1,220 pipes
Wind pressures 3½", 4½", 4½", 4¼", 6½", 7"
(86, 110, 114, 117, 157, 178 mm.)

- 32' Montre** ............................. 12 pipes (ext. of Great Subprincipal)
- 32' Flûte Ouverte** ........................ 12 pipes
- 32' Contre Bourdon** ........................ 12 pipes
- 16' Contre Basse ........................ 32 pipes
- 16' Principal ............................ 32 pipes
- 16' Flûte Ouverte ........................ 32 pipes
- 16' Violone ............................... 32 pipes
- 16' Bourdon ............................... 32 pipes
- 16' Gemshorn (Swell)
- 16' Gamba (Choir)
- 16' Lieblich Gedeckt (Swell)
- 10½' Grosse Quinte ........................ 32 pipes
- 8' Principal ............................. 32 pipes
- 8' Violoncello ........................... 32 pipes
- 8' Spitzprincipal ........................ 32 pipes
- 8' Flûte Ouverte ........................ 32 pipes
- 8' Flauto Dolce .......................... 32 pipes
- 8' Gamba (Choir)
- 8' Lieblich Gedeckt (Swell)
- 5½' Quinte ............................... 32 pipes
- 4' Choral Bass ........................... 32 pipes
- 4' Nachthorn ............................ 32 pipes
- 4' Gamba (Choir)
- 4' Lieblich Gedeckt (Swell)
- 2' Principal ............................. 32 pipes
- 2' Blockflöte ............................. 32 pipes
- 10½' Grand Harmonics V ......... 160 pipes
- 4' Full Mixture IV ..................... 128 pipes

- 1' Cymbale IV ............................ 128 pipes
- 32' Bombarde ........................... 32 pipes
- 32' Contra Fagot (Swell)
- 16' Ophicleide .......................... 32 pipes
- 16' Trombone ............................ 32 pipes
- 16' Double Trumpet* (Great)
- 16' Contre Trompette* (Swell)
- 16' Dulzian (Choir)
- 8' Posaune ............................... 32 pipes
- 8' Trumpet ............................... 32 pipes
- 8' Double Trumpet* (Great)
- 8' Contre Trompette* (Swell)
- 8' Krummhorn (Choir)
- 4' Clairon ............................... 32 pipes
- 4' Chaliron .............................. 32 pipes
- 2' Kornett ............................... 32 pipes

**Percussion**
Chimes on Great
Chimes on Pedal
Harp on Choir
Celesta on Choir

**Pedal Couplers**
Great to Pedal 8'
Swell to Pedal 8'
Swell to Pedal 4'
(affects all stops)
Choir to Pedal 8'
Positiv to Pedal 8'
Solo-Bombarde to Pedal 8'
Solo-Bombarde to Pedal 4'
(affects all stops)
Antiphalon to Pedal 8'

**Intermanual Couplers**
Swell to Great 8'
Swell to Great 4' (only affects stops with top octave extensions)
Choir to Great 8'
Choir to Great 4' (only affects stops with top octave extensions)
Solo-Bombarde to Great 16'
Solo-Bombarde to Great 8'
Solo-Bombarde to Great 4'
(affects all stops)
Antiphalon to Great 8'
Swell to Choir 8'
Swell to Choir 4' (only affects stops with top octave extensions)
Solo-Bombarde to Choir 8'
Antiphalon to Choir 8'
Antiphalon to Solo 8'
Great Tutti to Solo
Pedal Tutti to Swell

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Organ Specification (23 August 2019)

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**Combinations** (256 memories - 2007)
General.................................0, 1-20
1-5, 11-15 duplicated by toe studs
1-3, 5-7 and 13-15 duplicated on
right side of manuals*
Great ........................................0, 1-8
Swell........................................0, 1-8
Choir....................................0, 1-8
Positiv*.................................0, 1-6
Solo-Bombarde.........................0, 1-8
Antiphonal ................................0, 1-4
Pedal .....................................0, 1-8
6-8 duplicated on thumb pistons
under Manual I*

**Reversibles**
Each manual to Pedal 8' coupler (thumb)
Great to Pedal (toe)
Swell to Pedal (toe)
Solo-Bombarde to Great (toe)
32' Bombarde (toe)
32' Flûte Ouverte (toe)*
32' Contra Fagot (toe)*
32' Contra Bourdon (toe)
Choir shades to:
Swell expression pedal (thumb)
Manual I/II (thumb)
with indicator lights*
Sforzando (thumb* & toe) with
indicator lights (sforzando may be
set independently for each memory)

**Mechanicals**
Swell expression pedal
Choir expression pedal
Solo expression pedal
Antiphonal expression pedal
Crescendo pedal
(4 sequences:
Standard, A, B, and C;
A, B, and C adjustable
from console)*
30-segment LED Crescendo
Pedal indicator*
Tremulants, celestes, and percussion
may be programmed to cancel with
crescendo pedal*
Crescendo and Sforzando blind check*
Chime dampers on/off
Harp dampers on/off
Percussion routing selectors
(1, 2, and 3) (2007)
Percussion instrument selector (2007)
Percussion volume (2007)

**Accessories**
Combination set
Memory lock*
Memory selector*
Memory clear*
SSL Total Recall system (2007)
with USB port
MIDI In/Out/Thru jacks (2007)
Yamaha MDF MIDI recorder
Digital clock*
Clock mode selector
Stop/Start, Reset buttons
Clock synchronized to WWVB
"Stand by" and "On air" signals*
Broadcast timer*
Console fan on/off *
Intercom*
Monitor*
Nauvoo Bell button
(historic bell located outside
the Tabernacle)

**Case**
Builders:
Joseph Ridges (1867)
Cannon and Fetzer (1916)
Materials: Pine

**Relay**
Solid state*

**Tuning**
Equal temperament; A=440 Hz at 74° F

**Blowers**
Main: 30 h.p.
Auxiliary Pedal: 3 h.p.*
Antiphonal: ¾ h.p.

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**General Bibliography**


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The Tabernacle Choir at Temple Square is an ambassador for The Church of Jesus Christ of Latter-day Saints.

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