

The Organ at St. Matthew Lutheran Church Hanover, Pennsylvania



New Console 2014

The ORGAN is in truth the grandest, the most daring, the most magnificent of all instruments invented by human genius. It is a whole orchestra in itself. It can express anything in response to a skilled touch. Surely it is, in some sort, a pedestal on which the soul poises for a flight forth into space, essaying on her course to draw picture after picture in an endless series, to paint human life, to cross the Infinite that separates Heaven from Earth! And the longer a dreamer listens to those giant harmonies, the better he realizes that nothing save this hundred-voiced choir on earth can fill all the space between kneeling men and a God hidden by the blinding light of Sanctuary. Out of the daylight, out of the dim silence broken by the chanting of a choir in response to the thunder of the organ, a veil is woven for God, and the brightness of His Attributes shines through it.

-Honore de Balzac

An Organ Fund has been established to help with the maintenance of this great treasure. Gifts to the Organ Fund are most welcome.

Recordings of this organ can be purchased through the Church Office or through the church website: <a href="https://www.stmattlutheran.org">www.stmattlutheran.org</a>.



St. Matthew Lutheran Church 30 W. Chestnut Street Hanover, PA 17331 717-637-7101 www.stmattlutheran.org

Edition #13, 2016

# Resume of the Development of the Organ

### 1925

The original organ was installed in the new church by the Austin Organ Company. This instrument comprised five divisions, contained 87 speaking stops and nearly 5000 pipes, controlled by a four manual console.

### 1929

The organ was enlarged by the addition of 2,800 pipes and a new console was installed.

### 1931

The Solo Organ was moved to a new chamber above the chancel, and increased to 31 ranks. In this chamber were also placed the new Pedal Bombardes, Contra Bourdon, and a Pedal Mixture of five ranks. Another new chamber was built above the roof of the church to house a new String Organ 18 ranks. A new Celestial Organ of 18 ranks was installed in the gallery chamber which formerly contained the Solo division.

## 1934

Tonal improvements were made in the Great and Swell Organs, and a brilliant new trumpet for the Swell Organ was added.

## 1964

The Organ was completed by the installation of an independent Pedal division in a new chamber behind the Swell Organ. Selective tonal revisions were made throughout the organ including the new Trompette Royale on 20-inch pressure installed in the Solo Organ. The console was returned to the factory for total rebuilding.

## 1971

Several ranks were added, bringing the total to 231, controlled by 239 stops. This increased the number of pipes to 14,341.

### 1982

Through an action of the Church Council, in consultation with the Minister of Music and Austin Organ, Inc., the organ was declared complete in February, 1982. The estimated value of the instrument is in excess of \$1,500,000.

### 1988

A 198-bell Maas-Rowe Carillon was added to the organ. The three-octave carillon includes: Symphonic Carillon, Flemish Bells, Harp, Celeste, English Bells (major), English Bells (minor), Bourdon Bells (16') Upper Minor Bells (4'). The carillon is playable from the Solo and Great Keyboards, as well as the Pedal. Memorials covered the cost of this instrument.

### 1990's to 2016

The Organ was showing signs of its age and various problems were detected due to water damage from roof leaks. After extensive study, it was determined by the music staff, the Church Council and then the congregation that the instrument needed to be totally renovated. The total \$1.5 million dollar renovation was done by the Austin Organs, Inc. During the renovation all wiring was replaced, thousands of pipes were cleaned, re-built and re-voiced as needed, a new balcony antiphonal division was installed, the chamber walls were sealed and air chests rebuilt. A new console and operating system were built and installed in April of 2014. The organ was rededicated on October 23, 2016.

Organists of St. Matthew						
J. Herbert Springer (1917 – 1968)	James E. Derr (1968 – 1974)	Thomas W.D. Guthrie (1974 – 1980)				
Scott G. Fredericks  Minister of Music  (1980 - )	Margie Lee Associate Minister of Music (1996 – 2002)	Karen L. Buckwalter Associate Minister of Music (2002 - 2014)				

# The St. Matthew Organ

St. Matthew Lutheran congregation has had a continuous history since its organization on April 14, 1743. The present church edifice was completed in 1924, and is the fifth structure in which the congregation has worshiped during its long, continuous history. The organ for this fifth church was conceived and planned by J. Herbert Springer, organist of the church and given by Mrs. Clara Glatfelter Moul. The original instrument had a scope of 87 speaking stops, and nearly 5,000 pipes, and was constructed by the Austin Organ Company of Hartford, Connecticut. It was dedicated on January 13, 1925. The divisions of the organ were placed in chambers on both sides of the chancel, and on both sides of the gallery.

In 1929, brighter mixtures were added to the Great and Swell divisions; there were additional reeds, and many ranks of soft flutes and strings. The Echo organ was increased from 10 to 21 ranks. In all, about 2,800 pipes were added. A new console was necessary at that time. While this work was in progress, the solution for a long-time problem was found. The Solo organ of 6 ranks had been placed, because of lack of space, in a chamber above the rear gallery, away from the main organ in the front of the nave. It was discovered that above the ceiling of the chancel was an unused loft where an ideal Solo chamber could be built. Mrs. Moul was again enthusiastic in her cooperation. A grill ceiling was built over the chancel, a large organ chamber constructed, the Solo Organ

moved and increased to 31 ranks. In this chamber were also placed the new Pedal Bombardes, the Contra Bourdon, and a Pedal Mixture of five ranks. Another new chamber was built above the roof of the church to house a new String organ of 18 ranks, with tonal egress through the grills of the chancel ceiling. In the old Solo chamber above the gallery, a new Celestial organ of 18 ranks was installed. These additions totaled about 5,000 pipes. The organ was rededicated on December 1, 1931.

By this time, the fine old German organ music of the seventeenth and eighteenth centuries was being re-discovered, appreciated and played. This intricate polyphonic music sounded well only on an organ of bright clear tone. The need was felt for still more brilliance in the higher pitched ranks of the organ. In 1934, the Great Diapason chorus, new mixtures in both Great and Swell organs, and a brilliant new trumpet for the Swell were installed and artistically finished in the church.

Several decades passed without further change to the instrument, although there remained a bequest from the original donor for the completion of Mr. Springer's plans. In 1959 it became possible to proceed with this final stage, i.e., a proper, independent Pedal division. This involved the construction of a new chamber behind the Swell Organ which would be comprised of 14 ranks. The pedal organ would speak through the swell openings. This new section was completed and dedicated in 1964.

During this intervening period from 1934, the renaissance in organ building in America continued to gain momentum, and so it was decided that further tonal changes in other sections of the organ would be essential for compatibility with the new Pedal division. Therefore in the Choir Organ, 18 ranks were replaced by new pipes to provide some Baroque registers and to create a foil to the Great: in the Great Organ, the mixtures were reworked and augmented and three new ranks of flutes were added; in the Swell Organ, strings were replaced and revoiced, selected reeds were revoiced; in the Solo Organ the old Tuba Magna was replaced by a grand Trompette Royale on 20-inch pressure. Other minor changes were made in other divisions. To accommodate extensive additions and alterations, the console required factory rebuilding. Since 1964 a few special ranks have been added, along with a Cymbelstern of 4 bells. Also the tower belltones have been made playable from the console. Wind is supplied by four blowers which have a total of 37 horse power. The main blower is located in the basement. The remaining three are located in the bell tower above the Echo chamber supplying pressures varying from 7" to 20." Key Current is supplied by an Orgelectra 50-amp rectifier.

During the late 1990's, the organ was increasingly experiencing issues with worn leather, large pipes collapsing under their weight, air leaks in the

chests, wiring issues with the cotton covered wiring from the 1920's. The console was wearing out and could not be trusted. It was discovered there were several leaks in the church roof where water seeped into the pipe chambers, allowing plaster and the chests to get wet. Plaster fell into the pipes and caused damage and dead notes to pipes in both the front organ and the balcony chambers. The Ministers of Music began to explore emergency repairs and what would be involved in a full renovation.

In 2006, an Organ Committee was formed to investigate the condition of the instrument. The committee received a number of proposals and complete evaluations of the organ. Austin Organs, Inc. from Hartford, CT, the original builder of our organ, was selected to build a new console and perform the needed renovations to the instrument. In 2009, the congregation voted to move forward with the \$1.3 million project. The organ would be made solid state; modern technology would be incorporated in the console; all wiring would be replaced; many pipes would be removed for cleaning and voicing; all leather would be replaced; the pipe chamber walls would be replaced; new lighting and electric outlets would be placed in the chambers, the balcony Antiphonal and Gallery Pedal organ would be enhanced; and several digital stops by Walker would be added to balance divisions properly where pipes could not be added. The carillon system was modernized by Maas-Rowe Carillons and incorporated into the new console. The organ renovation was funded by a leadership gift of over one million dollars with the remaining costs covered by the fine support of our congregation and community.

In 2016, Austin Organs determined additional funding was needed to complete the project. Church Council voted in September to add up to \$250,000 to complete the renovation. The additional funding was donated by our leadership benefactor. The renovation was completed in October. The organ was rededicated on October 23, 2016. Over the years, it has been enlarged to the extent that it ranks among the ten largest pipe organs in the world.

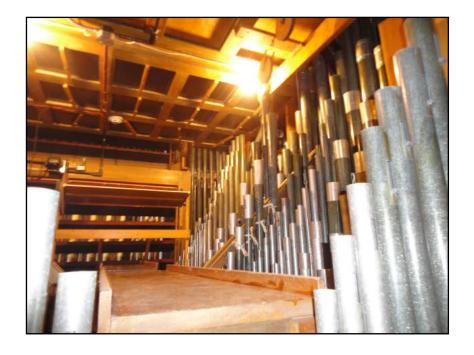
An Organ Fund has been created to assist with regular maintenance and tuning of this remarkable organ. Donations, memorial and honorarium contributions to the Fund are welcome as we seek to keep this musical treasure in excellent working order for both the current and future generations of worshippers and music lovers.

This instrument was built and dedicated that its music might resound to the Glory of God and to the uplifting of God's people in worship. It was also the desire of the donors and the earnest hope of the designers-organists that its beautiful and glorious tones might give inspiration and pleasure to many beyond the membership of the St. Matthew congregation.

# **AUSTIN 1215 SPECIFICATIONS**

Great Organ
Manual II 7" Wind Pressure

		P	ipes			Pipes
]	16'	Double Diapason	61	2'	Waldflöte	61
]	16'	Bourdon	85	1 3/5'	Seventeenth	61
	8'	First Diapason	61		Mixture IV-VI	
	8'	Second Diapason	61		12-15-19-22	330
	8'	Harmonic Flute	61		Fourniture V	
	8'	Clarabella	61		15-19-22-26-29	305
	8'	Stopped Flute (Bourdon)			Scharf IV 22-26-29-33	244
	8'	Violon Cello	61	16'	Double Trumpet	73
	8'	Gemshorn	61	8'	Trumpet (16')	
	8'	Gemshorn Celeste	61	8'	Tromba	73
5	1/3'	Quint	61	4'	Clarion (Tromba)	
	4'	Principal	61	8'	Orchestral Horn (Solo)	
	4'	Octave	61	8'	Trompette Royale (Solo	)
	4'	Flute Ouverte	61		Trompette Royale Melo	dy
	4'	Lieblichflöte (Bourdon)			Piano (D)	
3	1/5'	Tenth	61		Great to Great 16	
2	2/3'	Twelfth	61		Great Unison Off	
	2'	Superoctave	61		Great to Great 4	



# Swell Organ Manual III 7" Wind Pressure

		Pipes			Pipes
16'	Lieblich Gedeckt	73	2 2/3'	Rohr Nasat	•
16'	Double Dulciana	97		(Inverted Chimney)	61
16'	Contra Geigen	73	2'	Fifteenth	61
8'	Rohrflöte		2'	Piccolo	61
	(Inverted Chimney)	73	1 3/5'	Tierce	61
8'	Zartflöte	73	1 1/3'	Larigot	61
8'	Holzgedeckt	73		Plein Jeu	
8'	Harmonic Flute	73		12-15-19-22-26	305
8'	Diapason	73		Sesquialtera V	
8'	Flute Celeste IIR	134		12-15-17-19-22	305
8'	Quintadena	73		Acuta III-IV	
8'	Violin	73		24-26-29	220
8'	Viole Celeste	73	16'	Contra Fagotto	73
8'	Viole de Gambe	73	16'	Heckelphone	73
8'	Salicional	73	8'	English Horn	73
8'	Voix Seraphique IIR	134	8'	Harmonic Trumpet	73
8'	Viole Celeste IIR	73	8'	Oboe	73
8'	Dulciana (16')		8'	Cornopean	73
8'	Dulciana Celeste	73	8'	Vox Humana	61
4'	Principal	73	8'	Trompette Royale (Solo	o)
4'	Flauto Traverso	73	4'	<b>Hautbois Octaviante</b>	61
4'	Octave	73	4'	Clarion	73
4'	Chimney Flute	73		Swell to Swell 16	
4'	Dulcet (16')			Swell to Swell 4	
4'	Dulcet Celeste (8')			Swell Unison Off	
4'	Violina	73		Tremulan	



# Choir Organ Manual I 7" Wind Pressure

		Pipes			Pipes
16'	Flute Conique	85		Plein Jeu IV	•
16'	Contra Viola	73		15-19-22-26	244
8'	Geigen Principal	73		Zimbel III 36-40-43	183
8'	Viola de Gambe	73	16'	Baryton	73
8'	Quintaten	73	8'	Clarinet	73
8'	Chimney Flute	73	8'	Oboe d'Amoure	73
8'	Flute Conique (16')		8'	Trompette	73
8'	Flute Celeste	61	8'	Regal	61
8'	Dulciana	73	8'	Vox Humana	61
8'	Unda Maris	49	8'	Orchestral Horn (Solo)	
4'	Principal	73	8'	Trompette Royale	
4'	Viola d'Amoure	61		(Solo)	
4'	Flute d'Amour	73	4'	Rohr Schalmei	73
4'	Waldflöte	73		Harp (Deagan) 61 Bars	
2 2/3'	Nasard	61		Tremulant	
2'	Blockflöte	61		Choir To Choir 16	
1 3/5'	Tierce	61		Choir Unison Off	
1 1/3'	Larigot	61		Choir To Choir 4	
1'	Sifflöte	61		Manual Transfer	

# Solo Organ Manual IV 10" Wind Pressure

	P	ipes		:	Pipes
16'	Bourdon	73	16'	<b>Bass Clarinet</b>	73
8'	Diapason	73	8'	Trompette Militaire	73
8'	Grossflöte	73	8'	Trompette Royale	73
8'	Doppelflöte	73		(20'wind pressure	)
8'	Orchestral Flute	73	8'	Tuba Sonora	73
8'	Dulzflöte	73	8'	Trombone (16')	
8'	Gamba	73	8'	Orchestral Horn	61
8'	Gamba Celeste	73		(20" wind pressure	<u>"</u> )
8'	Violoncello	73	8'	French Horn	73
8'	Violoncello Celeste	73	8'	Corno di Bassetto	73
4'	Octave	73	8'	Bassoon	73
4'	Flute Ouverte	73	8'	Orchestral Oboe	61
4'	Zauberflöte	73	8'	Harmonic Trumpet	
2 2/3'	Harmonic Stopped 12th	61	(Swell)		
2'	Piccolo	61	4'	Clarion	73
	Terzian II 17-19	122		Concert Harp (D)	
	Fourniture IV			Tremulant	
	12-15-19-22	244		Solo To Solo 16	
16'	Bass Trombone	85		Solo Unison Off	
				Solo To Solo 4	

# **String Organ** 10" Wind Pressure

		Pipes			Pipes
16'	Double Violes IIR	122		Cornet de Violes III	•
8'	Violes d'Orchestre IIR	122		10-12-15	183
8'	Violes d'Orchestre IIR	122	8'	Vox Humana	61
8'	Violins IIR	122		Zimbelstern (Klann) 4	Bells
8'	Violas d'Amoure IIR	122			
8'	Violes Sourdine IIR	122		On Solo	
4'	Octave Viols IIR	122		On Swell	
4'	Viola d'Amore	61		On Great	
				On Choir	

# Celestial Organ 7" Wind Pressure

		Pipes			Pipes
16'	Contra Salacional	61	16'	1st Vox Humana	73
8'	Diapason	61	8'	1st Vox Humana	
8'	Hohlflöte	61	8'	2nd Vox Humana	73
8'	1st Unda Maris IIR	122	4'	2nd Vox Humana	
8'	2nd Unda Maris IIR	122		Celestial Harp (D)	
8'	Aeoline	61		Chimes (Mayland)	
8'	Voix Celeste IIR	122		25 Tubes	
4'	Octave	61		Tremulant	
4'	Harmonic Flute	61		On Solo	
4'	Flauto Mistico IIR	122		On Swell	
	Rauschquint II 12-15	122		On Great	
8'	Tromba	61		On Choir	

# Antiphonal Organ Wind Pressure 7"

		Pipes			Pipes
16'	Bourdon	1-12(D) 49		Mixture IV	-
8'	Principal	61		19-22-26-29	244
8'	Melodia	61		Mounted Cornet V	150
8'	Gemshorn	61		1-8ve-12-15-17	
8'	Gedeckt	61	16'	Double Trumpet (ext.)	12
8'	Flauto Dolcissimo	61	16'	Waldhorn (ext.)	12
8'	Flute Celeste	49	8'	Trumpet	61
8'	Viola da Gamba	61	8'	Corno d'Amore	
8'	Viole Aetheria	61		(Waldhorn16')	61
8'	Vox Angelica	49	8'	Voce Bassetto	61
4'	Octave	61		Tremulant	
4'	Fernflöte	61		On Solo	
4'	Dulcet	61		On Swell	
4'	Dulcet Celeste	61		On Great	
2'	Fifteenth	61		On Choir	

# **Pedal Organ**

	P	ipes			Pipes
32'	Open Wood (D)	•	8'	Viole Celeste IIR (Swei	(l)
32'	Principal (D)		8'	Dulciana (Swell)	
32'	Sanft Bass (D)		5 1/3'	Twelfth	32
32'	Contra Bourdon		4'	Flute (Choir) (D)	
	(Solo ext.)	12	4'	Super Octave (Great)	
16'	Contra Bass	32	4'	Choral Bass	32
16'	Diapason (Great)		4'	Nachthorn	32
16'	Contra Geigen (Swell)		2'	Blockflöte	32
16'	Violone Bass (Choir) (D)		2'	Kleine Octave	32
16'	Soubasse (Choir) (D)			Grand Cornet V	
16'	Bourdon (Great)			12-15-17-19-22	160
16'	. 11 () (-			Cymbale IV	
16'	Lieblich Gedeckt (Swell)			22-26-29-33	128
16'	Violone	44	32'	Contra Bombarde (D)	
16'	String Celeste IIR (String	g)	16'	Bombarde (Solo)	
16'	Viola (Choir)		16'	Trombone (Great)	
16'	Flute Conique (Choir)		16'	Fagotto (Swell)	
16'	Dulciana (Swell)		16'	Baryton (Choir)	
10 2/3	3'Quint	32	8'	Bombarde (16')	
8'	Principal	32	8'	Trombone (Great)	
8'	Octave		8'	Bassoon (Solo)	
	(Great Double Diapaso	(n)	4'	Clarion	
8'	Gedeckt (Swell)	<i>32</i>		(Swell Harmonic	
8'	Violoncello (Violone 16')	)	$Trum_I$	pet)	
8'	Bass Flute (Choir) (D)		4'	Rohr Schalmei (Choir)	
8'	Flute Conique (Choir)		4'	Trompette (Choir)	
				Chimes (D)	

# **Gallery Pedal**

	Pipes			Pipes
32'	Contra Bourdon (D)		8'	Violone (D)
16'	Open Diapason (D)		8'	Viola da Gamba
16'	Bourdon (Antiphonal)	)		(Antiphonal)
16'	Subbass	32	4'	Choral Bass (Principal) 12
16'	Violone (D)		4'	Fern Flute (Antiphonal)
16'	Viola da Gamba		16'	Double Trumpet
	(Antiphonal ext.)	12		(Antiphonal)
16'	Salicional (Celestial)		16'	Waldhorn (Antiphonal)
8'	Principal	32	8'	Trumpet (Antiphonal)
8'	Octave Bourdon		4'	Clarion (Antiphonal)
	(Subbass16')	12		Chimes

## **Bells/Percussion**

Glockenspiel (Solo) (D)
(All bells are Maas-Rowe)
Celeste Bells (37 Notes)
Harp Bells (37 Notes)
Minor Bells (37 Notes)
Major Bells (37 Notes)
Symphonic Carillon

(37 Notes)

Flemish Bells (37 Notes)

On Solo On Swell On Great On Choir Great Melody

16' Pedal Bourdon Bell (13 Notes) 8' Pedal Bourdon Bell (13 Notes)

8' Pedal Flemish Bells (13 Notes)

1' Whistle – Toe Piston Bass Drum (D) Toe Piston Cymbal (D) Toe Piston Pedal Grand Timpani (Solo) Pedal Minor Timpani (Solo) Bells Inside Bells Outside Front Speaker Back Speaker Key Selector

## **MIDI/Expression**

Midi on Solo I
Midi on Solo II
Midi on Swell I
Midi on Swell II
Midi on Great I
Midi on Great II
Midi on Great II
Midi on Choir I
Midi on Choir II
Midi on Pedal I
Midi on Pedal II

Celestial Shades on Swell Shoe Celestial Shades on Choir Shoe Antiphonal Shades on Solo Shoe Antiphonal Shades on Choir Shoe String Shades on Solo Shoe String Shades on Swell Shoe String Shades on Choir Shoe All Shades on Swell Shoe Solo Speakers Of

Swell Chancel Shades Closed -controls tone openings Swell Nave Shades Closed- controls tone openings Great/Choir Chancel Shades Closed-controls tone openings Great/Choir Nave Shades Closed- controls one openings



## **Console Appointments**

Total pipes in organ, 14,470; Ranks, 238; Speaking stops (includes Percussions), 269; Digital Stops, 22; Couplers, 50; Drawknobs on console, 335; Manual Disposition: I Choir; II Great; III Swell; IV Solo; Celestial, Antiphonal, String, Bells/Percussion are floating divisions assignable to any manual

Virtuoso Pipe Organ Control System **Unlimited Users** 30 Levels of Memory per User

### **Pistons**

- 15 Adjustable general pistons
- 6 Adjustable pistons controlling stops of Solo
- 6 Adjustable pistons controlling stops of Swell
- 6 Adjustable pistons controlling stops of Great
- 6 Adjustable pistons controlling stops of Choir
- 4 Adjustable pistons controlling stops of Celestial
- 4 Adjustable pistons controlling stops of Antiphonal
- 6 Adjustable pistons controlling stops of Pedal
- 4 Adjustable pistons on controlling stops of Antiphonal Pedal
- 3 Adjustable pistons controlling stops of String
- 3 Adjustable pistons controlling stops of Percussion

Transposer on Solo left key-cheek

Zimbelstern on Swell left key-cheek

Pedal Bell Bourdon on Great left key-cheek

Set

SFORZ on left Choir key-cheek

General Cancel

Memory + on right Swell key-cheek

Memory – on right Swell key-cheek All Swells to Swell

Previous on Manual and Toe Piston Next on Manual and Toe Piston Cancel Tablets above each division

Indicators for all balanced pedals Balanced Antiphonal and String Pedal **Balanced Celestial and Solo Pedal** Balanced Swell and Master Swell Pedal **Balanced Choir and Great Pedal** Balanced Crescendo Pedal



## **Console Appointments (continued)**

Couplers

Great to Pedal 8 & 4 Swell to Pedal 8 & 4 Choir to Pedal 8 & 4 Solo to Pedal 8 & 4 Antiphonal to Pedal 8 String to Pedal 8

Celestial to Pedal 8
Percussion to Pedal 8

Swell to Great 16, 8, 4 Choir to Great 16, 8, 4 Solo to Great 16, 8, 4

Great Trompette Royale Melody

Swell to Choir 16, 8, 4
Choir to Swell 8
Solo to Choir 8 & 4
Great to Choir 8
Great to Solo 8
Swell to Solo 8
Choir to Solo 8
Solo to Swell 8

Bells/Percussion

On Solo On Swell On Great On Choir Great Bell Melody

Strings Organ On Solo On Swell On Great On Choir Antiphonal Organ

> On Solo On Swell On Great On Choir

Celestial Organ On Solo On Swell

> On Great On Choir

Toe Pistons Generals 1-12

Pedal 1-6

Great to Pedal reversible Choir to Pedal reversible Swell to Pedal reversible Solo to Pedal reversible String to Pedal reversible Antiphonal to Pedal reversible

Previous Next

SFORZ reversible 32' Bombarde reversible 32' Open Wood reversible 32' Bourdon reversible

Bass Drum (D)
Cymbal (D)
Timpani (D)
Slide Whistle 1' reversible
Sustain for Piano



