

# The Aeolian Company

PIPE-ORGAN DEPARTMENT

Aeolian Hall New York

John W. Keins Managing Director

Frank Taft Art Director

Builders of  
Aeolian Pipe-Organs  
for  
Residences

LONDON PARIS BERLIN

WORKS AEOLIAN NEW JERSEY

29 WEST FORTY-SECOND STREET

June 26th, 1915.

#1334

## Specification for an Aeolian Pipe-Organ prepared for

Graduate College,  
New Jersey.

$3\frac{1}{2}$ " Press

Four Manuals, Compass CC to C<sup>4</sup>; and Pedals, Compass CCC to F.

(All speaking stops not otherwise indicated are of 8 ft. pitch)

### MANUAL I (Great)

|        |                              |    |                             |
|--------|------------------------------|----|-----------------------------|
| 8/5/15 | ✓1. 1 Diapason F             | 1  | Open 4th ✓                  |
|        | ✓2. 6 Diapason (high) 4'     | 2  | Octave 56 ✓                 |
|        | ✓3. 9 Diapason 2'            | 3  | Sup. Oct. 70 ✓              |
|        | ✓4. 3 Diapason (Mixture)     | 4  | 4th Man. D. Sec. - 4th ✓    |
|        | ✓5. 3 String F               | 6  | Lamba 57 ✓                  |
|        | ✓6. 2 String MF              | 7  | Gemshorn E ✓                |
| 8/4/15 | ✓7. 4 Flute F                |    | Br. Fl. E ✓                 |
|        | ✓8. 5 Flute P                | 8  | 2nd vol. Reg ✓              |
| 8/4/15 | ✓9. 7 Flute (high) 4'        | 35 | Hohl Fl. 52 ✓               |
| 10/21  | P ✓10. 10 Trumpet (deep) 16' |    | Sagitta 5" miter to 9" 0" ✓ |
|        | P ✓11. 11 Trumpet            |    | Tr. 4" not indicated ✓      |

### MANUAL II (Swell)

(All stops practical to include 73 pipes)

|                              |    |                                                   |
|------------------------------|----|---------------------------------------------------|
| ✓12. 24 Diapason F (English) | 9  |                                                   |
| ✓13. 26 String F             | 10 | Same scale etc.,<br>and full compass<br>of pipes. |
| ✓14. 27 String F (Vibrato)   | 11 |                                                   |
| ✓15. 26 String MF            | 12 | Ditto.                                            |
| ✓16. 37 String MF (Vibrato)  | 13 |                                                   |

2-25 amp. Generators ✓

MANUAL II (Cont'd)

|       |         |                       |                    |                              |
|-------|---------|-----------------------|--------------------|------------------------------|
|       | ✓ 17.39 | String P              | 14                 | Devl 63 - 73 ✓               |
|       | ✓ 18.38 | String P (Vibrato)    | 15                 | Vonder 62 - 73 ✓             |
|       | ✓ 19.29 | String (Dolce-Cornet) | 16                 | old Dolce Cornet 3 Rps 64 ✓  |
|       | ✓ 20.40 | Flute (deep) 16'      | 16                 | Bdn 38 - 73 ✓                |
|       | ✓ 21.28 | Flute P               | 33                 | St Diap 39 ✓                 |
|       | ✓ 22.36 | Flute (high) 4'       | 17                 | 2d Harmon Reg ✓              |
|       | ✓ 23.35 | Flageolet 2'          | 18                 | Flageolet 4" 61 ✓            |
| 10/21 | H       | ✓ 24.33               | Bassoon (deep) 16' | Committed. Flageolet 4" 73 ✓ |
|       | H       | ✓ 25.30               | Trumpet            | Cornet 5" 73 ✓               |
|       | H       | ✓ 26.32               | Oboe               | Told cc. Full length 73 ✓    |
|       | M       | ✓ 27.31               | Vox Humana         | Reg 73 ✓                     |

MANUAL III (Choir) - 3 1/2 inch wind pressure. 9/5/15

|        |         |                               |                    |                                                                                   |
|--------|---------|-------------------------------|--------------------|-----------------------------------------------------------------------------------|
|        | ✓ 28.15 | Diapason F (Geigen Principal) | 5                  | V. Diap 48 - 73 ✓                                                                 |
|        | ✓ 29.13 | String (deep) 16'             | 19                 | Salicorne 46 ✓                                                                    |
|        | ✓ 30.14 | String MF                     | 20                 | Same scale etc., and full compass of full toned rich Viol d'Orchestre pipes. 73 ✓ |
|        | ✓ 31.16 | String MF (Vibrato)           | 21                 |                                                                                   |
| 5/4/15 |         | ✓ 32.17                       | Flute F            | Cone Fl Reg 39 ✓                                                                  |
|        |         | ✓ 33.18                       | Flute P            | St Diap 47 ✓                                                                      |
|        |         | ✓ 34.19                       | Flute (Quintadena) | 23 Reg ✓                                                                          |
|        |         | ✓ 35.21                       | Flute (high) 4'    | 24 2d Harmon Reg ✓                                                                |
|        |         | ✓ 36.20                       | Piccolo 2'         | 22 Pic Har Reg ✓                                                                  |
|        | H       | ✓ 37.22                       | Clarinet           | Reg. Bell - striking speed ✓                                                      |
|        | M       | ✓ 38.23                       | Oboe (Orchestral)  | Reg 73 ✓                                                                          |

7'6" Chest not comp.

MANUAL IV (Antiphonal Organ)  
(All stops to include 73 pipes if possible)

|  |         |                                    |            |                                 |
|--|---------|------------------------------------|------------|---------------------------------|
|  | ✓ 39.56 | Diapason                           | 25         | Diap 47 73 ✓                    |
|  | ✓ 40.53 | Flute (Clarabella or Melodia)      | 26         | Melodia 54-39 ✓                 |
|  | ✓ 41.51 | Flute (Old style Stopped Diapason) | 34         | St Diap 39 ✓                    |
|  | ✓ 42.50 | Flute (high) 4'                    | 31         | 2d Harmon 20-22 ✓               |
|  | ✓ 43.58 | Flute (deep) 16'                   | 30         | Bdn 38 ✓                        |
|  | ✓ 44.54 | String MF                          | 26         | Same scale etc. Salicorne 46 ✓  |
|  | ✓ 45.53 | String MF (Vibrato)                | 27         | and full compass of pipes. 58 ✓ |
|  | ✓ 46.49 | String P (Dolce-Cornet)            | 38         | Reg Min 58 ✓                    |
|  | ✓ 47.57 | String PP (Aeoline)                | 28         | Devl 63 - 73 ✓                  |
|  | ✓ 48.52 | String (high) 4' (Violino)         | 29         | Vonder 62 - 73 ✓                |
|  | M       | ✓ 49.48                            | Vox Humana | Reg 73 ✓                        |

PEDAL ORGAN (30 Notes) 16' Radius  
(Pedal-board to be ~~slight~~ and concave. Long keys.)

- Stop-Action ✓ 50. 44 Diapason (deep) 16' Open 19 ✓  
 " " ✓ 51. 45 String F (deep) 16' Violon Reg ✓  
 " " 52. 1/2 String P (deep) 16' (from No. 29.) Basso from Ch ✓  
 " " ✓ 53. 43 String F 8' 32. Basso 57 ✓  
 " " ✓ 54. 47 Flute F (deep) 16' Basso 18 ✓  
 " " 55. 41 Flute P (deep) 16' - from No. 20. Basso from 2nd ✓  
 " " ✓ 56. 46 Flute 8' Reg Open Fl. ✓  
 " " P ✓ 57. 42 Trumpet F (deep) 16' Trombone 7 1/2" Flute 14 1/2 ✓  
 " " 58. 34 Bassoon P (deep) 16' - from No. 24. Basso from 1st ✓
- Switch ✓ 59. 60 Flute (deep) 16' F } Located with Antiphonal Organ Basso 18 ✓  
 Stop-Action 60. 59 Flute (deep) P - from No. 43 }

# PERCUSSION INSTRUMENTS

61. Harp (Augmented) 61 notes. - P & F ✓  
 (Played from Manuals I, III, and IV)  
 62. Chimes 20 notes. P & F ✓  
 (Played from Manuals I, III, and IV)

# COUPLERS

(Affecting only Octave and Sub Octave Couplers specified)

63. ✓ Swell to Great ✓  
 64. ✓ Swell to Great Octave ✓  
 65. ✓ Swell to Great Sub ✓  
 66. ✓ SWELL to CHOIR ✓  
 67. ✓ CHOIR to SWELL ✓  
 68. ✓ SWELL OCT to CHOIR ✓  
 69. ✓ SWELL SUB to CHOIR ✓  
 70. ✓ CHOIR to SWELL Sub ✓  
 71. ✓ Swell Octave ✓  
 72. ✓ Swell Sub ✓  
 73. ✓ Great Octave ✓  
 74. ✓ Great Sub ✓  
 75. ✓ Choir to Great ✓  
 76. ✓ Choir to Great Sub ✓  
 77. ✓ Choir Octave ✓  
 78. ✓ Choir Sub ✓

COUPLERS (Cont'd)

- 77. ✓ Antiphonal to Great ✓
- 78. ✓ Antiphonal<sup>OCT</sup> to Great Octave ✓
- 79. ✓ Antiphonal to Swell ✓
- 80. ✓ Antiphonal to Choir ✓
- 81. ✓ Antiphonal Octave ✓
- 82. ✓ Antiphonal Sub ✓
- 83. ✓ Great to Pedal ✓
- 84. ✓ Swell to Pedal ✓
- 85. ✓ Swell<sup>OCT</sup> to Pedal Octave ✓
- 86. ✓ Choir to Pedal ✓
- 87. ✓ Antiphonal to Pedal ✓

ADJUSTABLE COMBINATION PISTONS  
(Located under Swell Organ Manual)

- 88-94. Six Adjustable Tutti Combinations and Release, affective on entire organ including Antiphonal, Harp, and Chimes. (To be spaced between sharp keys.)
- 95. Stop-Action Connection } With these Pistons, lo-
- 96. Stop-Action Release } cated at left side of Comb. Pistons, the tablet Stop-Action can be made active or inactive as desired.
- 97. Coupler Combination (Two Pistons or one tablet to be determined.)

ACCESSORIES

- 98. Sforzando
- 99. Tonal (Acting on all stops except Antiphonal)
- 100. Antiphonal Tonal
- 101. Great & Choir Expression
- 102. Swell Expression
- 103. Antiphonal Expression
- 104. Tutti Expression (General-Swell for entire Main Organ) *ont.*
- 105. Antiphonal Only (Silencing all Main Organ stops and couplers)
- 106. Great Silent
- 107. Swell Silent
- 108. Choir Silent
- 109. Antiphonal Silent (Pedal & Manual)
- 110. Pedal Silent

Draw-Stops.

ACCESSORIES (Cont'd.)

- |      |                                |                                                                                                                    |
|------|--------------------------------|--------------------------------------------------------------------------------------------------------------------|
| 111. | Great to Pedal Reversible      |                                                                                                                    |
| 112. | Swell to Pedal Reversible      |                                                                                                                    |
| 113. | Choir to Pedal Reversible      |                                                                                                                    |
| 114. | Antiphonal to Pedal Reversible |                                                                                                                    |
| 115. | Great Tremolo                  | } Tablets located<br>} with their re-<br>} spective departments;<br>} no Tremolo to act<br>} below Tenor<br>} "C". |
| 116. | Swell Tremolo                  |                                                                                                                    |
| 117. | Choir Tremolo                  |                                                                                                                    |
| 118. | Antiphonal Tremolo             |                                                                                                                    |

AEOLIAN SOLO MUSIC ROLL CONTROLS

- |      |                                                                             |
|------|-----------------------------------------------------------------------------|
| 119. | Normal, Reverse and Unison Lever<br>(Acting only on Swell, Great and Pedal) |
| 120. | Choir Upper Holes                                                           |
| 121. | Choir Lower Holes                                                           |
| 122. | Antiphonal Upper Holes                                                      |
| 123. | Antiphonal Lower Holes                                                      |
| 124. | Aeolian Tempo                                                               |
| 125. | Aeolian Reroll                                                              |
| 126. | Aeolian Ventil                                                              |

GENERAL DETAILS.

- (a) LOCATION:  
Organ to be located in Gallery.  
Antiphonal Organ to be located in basement under bay window,  
floor of which is to be provided with an opening for tone exit.
- (b) CONSOLE:  
Console containing keyboards as well as Aeolian Solo Music Roll  
mechanism to be detached and located in Gallery at side of Organ.  
Manual keys to be of long type, and backs of sharps bevelled.
- (c) BLOWING APPARATUS:  
Blowing apparatus to be located in basement.  
Electric motors, generators, and starting switch to be provided  
by Organ builders; one generator for keyboards, draw-stop action,  
and swell engines, and another generator for fresh wind boxes only.
- (d) CASEWORK, ETC.  
Casework for Organ and Console, re-inforcing Gallery floor, prepara-  
tion for Antiphonal Organ and grille, are included in this contract,  
and all of this work is to be done under the direction and super-  
vision of the Architects, Cram & Ferguson.

# For *Graduate College*

|                     | ORDERED                                                         | RECEIVED | REMARKS |
|---------------------|-----------------------------------------------------------------|----------|---------|
| Console             |                                                                 |          |         |
| Manual Keys         | 8/8/15 ✓                                                        |          |         |
| Pedal Keys          | 9/16/15 S.O. # 842 ✓                                            |          |         |
| Stop Knobs          | + lat 9/2/15. (11) Special plates 9/14/15. ✓                    |          |         |
| Combination Pistons | 9/2/15. ✓                                                       |          |         |
| Name Plate          |                                                                 |          |         |
| Metal Pipes         | 8/5/15. ✓                                                       |          |         |
| Wood Pipes          | Make up 8/4/15. ✓                                               |          |         |
| Reeds               | 8/4/15<br>m p<br>8/5/15 10/21/15. ✓                             |          |         |
| Fronts              |                                                                 |          |         |
| Case                |                                                                 |          |         |
| Aeolian Action      |                                                                 |          |         |
| Draw Stop Action    |                                                                 |          |         |
| Combination Action  |                                                                 |          |         |
| Swell Box           |                                                                 |          |         |
| Bellows             | Original 7 1/2 HP. single phase 9/14/15 Use 2-25 amp. Generator |          |         |
| Regulator           | 8' x 4' ✓                                                       |          |         |
| Bellows Weights     |                                                                 |          |         |
| Crank Shaft         |                                                                 |          |         |
| Counter Shaft       |                                                                 |          |         |
| Motor               |                                                                 |          |         |
| Great Windchest     | 9-6 x 4-5 3/4 ✓                                                 |          |         |
| Swell Windchest     | 28 9-6 x 3-2 ✓                                                  |          |         |
| Pedal Windchest     | 32 9-6 x 2-10 ✓                                                 |          |         |
| Frames              | 9-6 x 3- 2 Chest ✓                                              |          |         |
| Decoration          |                                                                 |          |         |
| Batteries           |                                                                 |          |         |
| Choir               | 9-6 x 4-4 ✓                                                     |          |         |
| Additional          | 7-6 x 4-10 ✓                                                    |          |         |
| " Rich              | 5 x 12 1/2 ✓                                                    |          |         |