

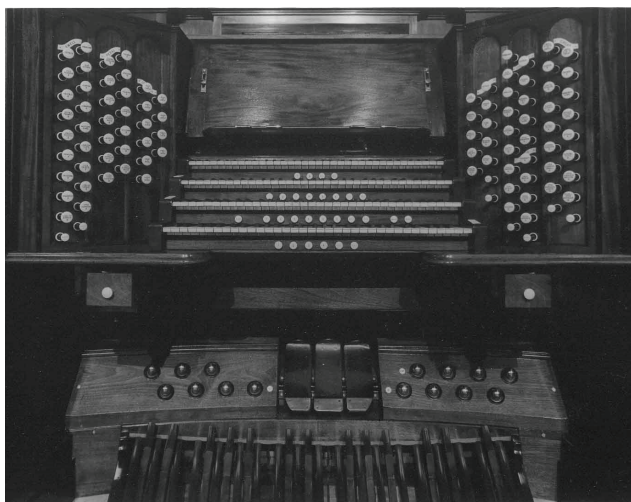
# THE USHER HALL, EDINBURGH



*Photographs by C.R.A. Davies*

Although Harrison & Harrison were originally invited to build the organ for the new Usher Hall, Norman & Beard were eventually chosen. This monumental instrument is entirely unaltered, apart from the provision of new blowing equipment during the 1960s, and the more recent re-siting of the console closer to the organ.

After many years of silence the restored organ was inaugurated by Dame Gillian Weir on 7 June 2003. With its powerful, full-bodied flue and reed choruses and its wealth of orchestral reeds and strings, it commands the Hall in a remarkable way.



There were some technical challenges for the restorers. For example, the wind system is exceptionally complex, with no fewer than 26 single-rise reservoirs. Furthermore, although the connection between console and organ was electric from the start, the couplers within the organ are purely pneumatic: the tallest of the coupler machines is nearly 3 metres high, with a correspondingly intricate array of pneumatic tubing.

At the console, the drawstops are pneumatically actuated, but the original pistons are now controlled by a modern setter system; general pistons and a sequencer have been discreetly added.

**NORMAN & BEARD 1914**

**RESTORED BY  
HARRISON & HARRISON**

**2003**

# THE USHER HALL, EDINBURGH

## PEDAL ORGAN

1.	Double Open Diapason (from 4)	32
2.	Open Diapason (Wood)	16
3.	Open Diapason (Metal)	16
4.	Violone	16
5.	Bordun	16
6.	Dulciana	16
7.	Echo String Bass (from 22)	16
8.	Octave Diapason (from 2)	8
9.	Principal (from 3)	8
10.	Octave Bordun (from 5)	8
11.	Super Octave	4
12.	Ophicleide	16
13.	Contra Posaune (from 40)	16
14.	Tromba (from 12)	8

## GREAT ORGAN

29.	Double Open Diapason	16
30.	Open Diapason (Large)	8
31.	Open Diapason (Medium)	8
32.	Open Diapason (Small)	8
33.	Claribel Flute	8
34.	Stopped Diapason	8
35.	Octave	4
36.	Octave Flute	4
37.	Octave Quint	2 <sup>2/3</sup>
38.	Super Octave	2
39.	Harmonics 17.19.21.22	4 rks
40.	Contra Posaune	16
41.	Tromba	8
42.	Clarion	4

## CHOIR ORGAN (15-28 enclosed)

15.	Geigen Diapason	8
16.	Dulciana	8
17.	Hohl Flöte	8
18.	Cor de Nuit	8
19.	Unda Maris (tenor c)	8
20.	Flauto Traverso	4
21.	Flageolet	2

## SWELL ORGAN

43.	Lieblich Bordun	16
44.	Open Diapason	8
45.	Violoncello	8
46.	Lieblich Gedakt	8
47.	Salicional	8
48.	Voix Celeste (tenor c)	8
49.	Principal	4
50.	Liebliche Flöte	4
51.	Lieblich Piccolo	2
52.	Mixture 12.15.17.19.21.22	6 rks
53.	Double Trumpet	16
54.	Cornopean	8
55.	Hautboy	8
56.	Clarion	4
57.	Vox Humana	8

*Tremulant*

## ORCHESTRAL ORGAN (on Choir keys)

22.	Contra Viola	16
23.	Viole d' Orchestre	8
24.	Viole Octaviane	4
25.	Cornet d' Violes 10.12.15	3½ rks
26.	Orchestral Clarinet	8
27.	Orchestral Oboe	8
28.	Carillon	

*Tremulant*

## SOLO ORGAN (58-62 enclosed)

58.	Harmonic Claribel Flute	8
59.	Concert Flute	4
60.	Cor Anglais	16
61.	Orchestral Trumpet	8
62.	Corno di Bassetto	8
63.	Tuba	8

## COUPLERS

<i>Choir to Pedal</i>	<i>Swell to Choir</i>	<i>Choir to Great</i>	<i>Solo to Swell</i>	<i>Solo Octave</i>
<i>Great to Pedal</i>	<i>Solo to Choir</i>	<i>Swell to Great</i>	<i>Swell Octave</i>	<i>Solo Sub Octave</i>
<i>Swell to Pedal</i>	<i>Orchestral Octave</i>	<i>Swell Octave to Great</i>	<i>Swell Sub Octave</i>	<i>Solo Unison Off</i>
<i>Solo to Pedal</i>	<i>Orchestral Sub Octave</i>	<i>Swell Sub to Great</i>		<i>Orchestral Strings to Solo</i>
	<i>Orchestral Unison Off</i>	<i>Solo to Great</i>		

## ACCESSORIES

Six foot pistons to the Pedal Organ  
 Four pistons to the Choir and Orchestral Organs  
 Six pistons to the Great Organ  
 Six pistons to the Swell Organ (duplicated by foot pistons)  
 Two pistons to the Solo Organ  
 Twelve general pistons and general cancel  
 The above pistons have 128 general and eight divisional memories (one divisional memory reserved for '1914' settings)

Two separately adjustable pistons for each manual, with a single memory  
 Reversible pistons: *Great to Pedal, Swell to Great, Solo to Great*  
 Reversible foot piston: *Great to Pedal*  
 Sequencer, operating general pistons  
 Rocking tablets: *Great and Pedal pistons*  
*Generals on foot pistons, Carillon dampers On / Off*  
 Manual compass 61 notes; Pedal 32 notes

# NORMAN & BEARD 1914

RESTORED BY H&H

2003