The organ was built during 1950–1954 to the specification of the London County Council's consultant, Ralph Downes, who also supervised the tonal finishing. It was designed as a well-balanced classical instrument embracing a number of rich and varied ensembles which alone or in combination could equal the dynamic scale of any orchestra or choral grouping in addition to coping with the entire solo repertoire.

Between 2005 and 2007 the Hall was completely reconstructed with improved acoustics; it reopened in June 2007. The organ is being reconfigured to suit the new architectural and acoustic requirements: its depth has been reduced by 1.1m, but the basic principles of the layout have been respected. The Swell Organ, Great flue stops, and the Pedal Principal 32ft, forming the left-hand portion of the organ, have been reinstated, together with the console, and will be followed by the central and right-hand sections at a later date. There will be no change to the specification.
## ROYAL FESTIVAL HALL

### PEDAL ORGAN

1. Principal (from 54) 32
2. Major Bass 16
3. Principal (from 54*) 16
4. Sub Bass 16
5. Quintadena (from 74) 16
6. Salicional (from 40) 16
7. Quintflute (stopped) $10^{1/3}$
8. Octave 8
9. Gedackt 8
10. Quintadena (from 74) 8
11. Nazard (conical) $5^{1/3}$
12. Superoctave 4
13. Spitzflute (conical) 4
14. Open Flute 2
15. Septz 17.21 3$^{1/4}$
16. Rauschquint 12.15 5$^{1/3}$
17. Mixture 19.22.26.29.33 2$^{3/4}$
18. Bombarde (from 19) 32
19. Bombarde 16
20. Dulzian (from 38) 16
21. Trumpet 8
22. Cromorne (from 52) 8
23. Clarion 4
24. Schalmei (from 53) 4
25. Cornett 2

* IX Tremulant
* X Choir on Solo

### CHOIR ORGAN

(On Positive keys) (Enclosed)

- 40. Salicional 16
- 41. Open Wood 8
- 42. Stopped Wood 8
- 43. Salicional (conical) 8
- 44. Una Maris (conical) 8
- 45. Spitzflute (conical) 4
- 46. Open Flute 4
- 47. Principal 2
- 48. Quint $1^{1/3}$
- 49. Octave 1
- 50. Sesqualtera 26.31 $1^{1/3}$
- 51. Mixture 29.33.36.40 $3^{1/3}$
- 52. Cromorne 8
- 53. Schalmei 4

### GREAT ORGAN

54. Principal 16
55. Gedacktpommer 16
56. Diapason 8
57. Principal 8
58. Harmonic Flute 8
59. Rohr Gedackt 8
60. Quintflute (stopped) $5^{1/3}$
61. Octave 4
62. Gemshorn (conical) 4
63. Quintadena 4
64. Quint 2$^{1/3}$
65. Super Octave 2
66. Blockflute 2
67. Tierce $1^{1/3}$
68. Mixture 15.19.22.26.29 2
69. Sharp Mixture 26.29.33.36 $3^{1/3}$
70. Cornett 1.8.12.15.17 (middle c) 8
71. Bombarde 16
72. Trumpet 8
73. Clarion 4

* XI Sub Octave
* XII Reeds and Cornett on Solo
* XIII Positive and Choir to Great
* XIV Swell to Great
* XV Solo to Great

### SWELL ORGAN

74. Quintadena 16
75. Diapason 8
76. Gemshorn (conical) 8
77. Quintadena 8
78. Viola 8
79. Celeste 8
80. Principal 4
81. Koppelflute 4
82. Nazard (conical) 2$^{1/3}$
83. Octave 2
84. Open Flute 2
85. Tierce (tenor c) $1^{1/3}$
86. Flageolet 1
87. Mixture 22.26.29.33 1
88. Cymbel 38.40.43 $1^{1/3}$
89. Hautboy 8
90. Vox Humana 8

* XVI Tremulant

91. Bombarde 16
92. Trumpet 8
93. Clarion 4

* XVII Octave (16ft, 8ft and 4ft stops only)
* XVIII Solo to Swell

### SOLO ORGAN

(Enclosed)

94. Diapason 8
95. Rohrflute 8
96. Octave 4
97. Waldflute (conical) 2
98. Rauschquint 12.15 2$^{1/3}$
99. Tertian 17.19 $1^{1/3}$
100. Mixture 19.22.26.29.33 $1^{1/3}$
101. Basset Horn 16

* XIX Tremulant

102. Harmonic Trumpet 8
103. Harmonic Clarion 4

### COMBINATION COUPLERS

(rocking tablets)

* XX Great and Pedal Combinations coupled
* XXI Swell on General foot pistons

### ACCESSORIES

- Eight foot pistons to the Pedal Organ
- Eight pistons to the Choir and Positive Organs (combined)
- Eight pistons to the Great Organ (duplicated by foot pistons)
- Eight pistons to the Swell Organ
- Eight pistons to the Solo Organ
- Eight general pistons and general cancel
- Reversible pistons: I - IV, VII, VIII, XIII, XIV, XV, XVIII
- Reversible foot pistons: I - IV
- Full organ piston and foot piston
- Stepper, operating general pistons
- General crescendo pedal, with indicator
- Balanced expression pedals to Choir, Swell and Solo Organs
- The pistons are instantly adjustable, with 8 divisional memories and 128 general memories.
- The general crescendo pedal has one fixed and three adjustable settings
- The actions are electro-pneumatic
- The manual compass is 61 notes; the pedal compass is 32 notes