## Specification of

# THE HISTORIC COLSTON HALL PIPE ORGAN

Harrison & Harrison Ltd., Durham 1956

Padal Overs					- Chatattanadaaad				
	Pedal Organ		Choir Unenclosed						
1	Double Open Wood	32	(from 4)	35	Double Dulciana	16			
2	Open Metal	16		36	Claribel Flute	8			
3	Open Wood I	16		37	Salicional	8			
4	Open Wood II	16		38	Vox Angelica	8	TC		
5	Violone	16		39	Dulciana	8			
6	Bourdon	16		40	Dulcet	4			
7	Quintaton	16	(from 64)	41	Clarinet	8			
8	Viola	16	(from 80)	42	Cornopean	8			
9	Dulciana	16	(from 35)	43	Contra Tromba	16	(from 61)		
10	Octave Metal	8	(from 2)	44	Tromba	8	(from 62)		
11	Principal	8		45	Octave Tromba	4	(from 63)		
12	Octave Wood	8	(from 4)	46	Tuba	8	(from 93)		
13	Flute	8	(from 6)		Tremulant		See Note 1		
14	Octave Quint	$5\frac{1}{3}$							
15	Super Octave	4	(from 2)	Cho	oir couplers				
16	Fifteenth	4			Choir octave				
17	Octave Flute	4	(from 6)		Choir suboctave				
18	Mixture 12.17.19.22	IV			Choir unison off				
19	Double Ophicleide	32	(from 20)		Swell to Choir				
20	Ophicleide	16			Solo to Choir				
21	Trombone	16	(from 61)						
22	Faralla								
22	Fagotto	16	(from 75)	Gre	at Organ				
23	Posaune	16 8	(from 75) (from 20)	<b>Gre</b> 47	at Organ Double Geigen	16			
	=		,		_	16 8			
23	Posaune	8	(from 20)	47	Double Geigen				
23 24	Posaune	8	(from 20)	47 48	Double Geigen Open Diapason 1	8			
23 24	Posaune Octave Posaune	8	(from 20)	47 48 49	Double Geigen Open Diapason 1 Open Diapason 2	8			
23 24	Posaune Octave Posaune lal Couplers	8	(from 20)	47 48 49 50	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3	8 8 8			
23 24	Posaune Octave Posaune lal Couplers Choir to Pedal	8	(from 20)	47 48 49 50 51	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen	8 8 8 8			
23 24	Posaune Octave Posaune  lal Couplers Choir to Pedal Great to Pedal	8	(from 20)	47 48 49 50 51 52	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen Hohl Flute	8 8 8 8			
23 24	Posaune Octave Posaune  lal Couplers Choir to Pedal Great to Pedal Swell to Pedal	8	(from 20)	47 48 49 50 51 52 53	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen Hohl Flute Quint Octave	8 8 8 8 5 <sup>1</sup> / <sub>3</sub>			
23 24 Pec	Posaune Octave Posaune  lal Couplers Choir to Pedal Great to Pedal Swell to Pedal Solo to Pedal	8	(from 20)	47 48 49 50 51 52 53 54	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen Hohl Flute Quint	8 8 8 8 5 <sup>1</sup> / <sub>3</sub> 4			
23 24 Pec	Posaune Octave Posaune  lal Couplers Choir to Pedal Great to Pedal Swell to Pedal Solo to Pedal	8	(from 20)	47 48 49 50 51 52 53 54 55	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen Hohl Flute Quint Octave Principal Wald Flute	8 8 8 8 5 <sup>1</sup> / <sub>3</sub> 4 4			
23 24 Pec Cho	Posaune Octave Posaune  lal Couplers Choir to Pedal Great to Pedal Swell to Pedal Solo to Pedal  oir Organ Enclosed Open Diapason	8 4	(from 20)	47 48 49 50 51 52 53 54 55 56 57	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen Hohl Flute Quint Octave Principal Wald Flute Octave Quint	8 8 8 8 5 <sup>1</sup> / <sub>3</sub> 4			
23 24 Pec Chc 25 26	Posaune Octave Posaune  lal Couplers Choir to Pedal Great to Pedal Swell to Pedal Solo to Pedal  oir Organ Enclosed Open Diapason Stopped Diapason	8 4	(from 20)	47 48 49 50 51 52 53 54 55 56 57 58	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen Hohl Flute Quint Octave Principal Wald Flute Octave Quint Super Octave	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			
23 24 Pec 25 26 27	Posaune Octave Posaune  lal Couplers Choir to Pedal Great to Pedal Swell to Pedal Solo to Pedal  oir Organ Enclosed Open Diapason Stopped Diapason Principal	8 4 8 8 4	(from 20)	47 48 49 50 51 52 53 54 55 56 57 58 59	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen Hohl Flute Quint Octave Principal Wald Flute Octave Quint Super Octave Mixture 15.19.22	8 8 8 8 5 <sup>1</sup> / <sub>3</sub> 4 4 4 2 <sup>2</sup> / <sub>3</sub>			
23 24 Pec Chc 25 26	Posaune Octave Posaune  lal Couplers Choir to Pedal Great to Pedal Swell to Pedal Solo to Pedal  oir Organ Enclosed Open Diapason Stopped Diapason	8 4 8 8 4 4	(from 20)	47 48 49 50 51 52 53 54 55 56 57 58	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen Hohl Flute Quint Octave Principal Wald Flute Octave Quint Super Octave Mixture 15.19.22 Mixture 17.19.22.26.29	8 8 8 8 5 <sup>1</sup> / <sub>3</sub> 4 4 2 <sup>2</sup> / <sub>3</sub> 2 III			
23 24 Pec 25 26 27 28 29	Posaune Octave Posaune  lal Couplers Choir to Pedal Great to Pedal Swell to Pedal Solo to Pedal  oir Organ Enclosed Open Diapason Stopped Diapason Principal Stopped Flute Nazard	8 4 8 8 4 4 2 <sup>2</sup> / <sub>3</sub>	(from 20)	47 48 49 50 51 52 53 54 55 56 57 58 59 60 61	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen Hohl Flute Quint Octave Principal Wald Flute Octave Quint Super Octave Mixture 15.19.22 Mixture 17.19.22.26.29 Contra Tromba	8 8 8 8 5 <sup>1</sup> / <sub>3</sub> 4 4 4 2 <sup>2</sup> / <sub>3</sub> 2 III V 16			
23 24 Pec 25 26 27 28 29 30	Posaune Octave Posaune  lal Couplers Choir to Pedal Great to Pedal Swell to Pedal Solo to Pedal  oir Organ Enclosed Open Diapason Stopped Diapason Principal Stopped Flute Nazard Super Octave	8 4 8 8 4 4 2 <sup>2</sup> / <sub>3</sub> 2	(from 20)	47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen Hohl Flute Quint Octave Principal Wald Flute Octave Quint Super Octave Mixture 15.19.22 Mixture 17.19.22.26.29 Contra Tromba Tromba	8 8 8 8 $5\frac{1}{3}$ 4 4 4 $2\frac{2}{3}$ 2 III V 16 8			
23 24 Pec 25 26 27 28 29 30 31	Posaune Octave Posaune  lal Couplers Choir to Pedal Great to Pedal Swell to Pedal Solo to Pedal  oir Organ Enclosed Open Diapason Stopped Diapason Principal Stopped Flute Nazard Super Octave Tierce	8 4 8 8 4 4 2 <sup>2</sup> / <sub>3</sub> 2	(from 20)	47 48 49 50 51 52 53 54 55 56 57 58 59 60 61	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen Hohl Flute Quint Octave Principal Wald Flute Octave Quint Super Octave Mixture 15.19.22 Mixture 17.19.22.26.29 Contra Tromba	8 8 8 8 5 <sup>1</sup> / <sub>3</sub> 4 4 4 2 <sup>2</sup> / <sub>3</sub> 2 III V 16			
23 24 Pec 25 26 27 28 29 30 31 32	Posaune Octave Posaune  lal Couplers Choir to Pedal Great to Pedal Swell to Pedal Solo to Pedal  oir Organ Enclosed Open Diapason Stopped Diapason Principal Stopped Flute Nazard Super Octave Tierce Larigot	$\begin{array}{c} 8 \\ 4 \\ \\ 8 \\ 8 \\ 4 \\ 4 \\ 2\frac{2}{3} \\ 2 \\ 1\frac{3}{5} \\ 1\frac{1}{3} \end{array}$	(from 20)	47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen Hohl Flute Quint Octave Principal Wald Flute Octave Quint Super Octave Mixture 15.19.22 Mixture 17.19.22.26.29 Contra Tromba Tromba Octave Tromba	8 8 8 8 $5\frac{1}{3}$ 4 4 4 $2\frac{2}{3}$ 2 III V 16 8			
23 24 Pec 25 26 27 28 29 30 31 32 33	Posaune Octave Posaune  lal Couplers Choir to Pedal Great to Pedal Swell to Pedal Solo to Pedal  oir Organ Enclosed Open Diapason Stopped Diapason Principal Stopped Flute Nazard Super Octave Tierce Larigot Twenty Second	$ \begin{array}{c} 8 \\ 4 \\ 8 \\ 8 \\ 4 \\ 2 \\ 1 \\ 3 \\ 5 \\ 1 \\ 1 \end{array} $	(from 20)	47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen Hohl Flute Quint Octave Principal Wald Flute Octave Quint Super Octave Mixture 15.19.22 Mixture 17.19.22.26.29 Contra Tromba Tromba Octave Tromba	8 8 8 8 $5\frac{1}{3}$ 4 4 4 $2\frac{2}{3}$ 2 III V 16 8			
23 24 Pec 25 26 27 28 29 30 31 32	Posaune Octave Posaune  lal Couplers Choir to Pedal Great to Pedal Swell to Pedal Solo to Pedal  oir Organ Enclosed Open Diapason Stopped Diapason Principal Stopped Flute Nazard Super Octave Tierce Larigot	$\begin{array}{c} 8 \\ 4 \\ \\ 8 \\ 8 \\ 4 \\ 4 \\ 2\frac{2}{3} \\ 2 \\ 1\frac{3}{5} \\ 1\frac{1}{3} \end{array}$	(from 20)	47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	Double Geigen Open Diapason 1 Open Diapason 2 Open Diapason 3 Geigen Hohl Flute Quint Octave Principal Wald Flute Octave Quint Super Octave Mixture 15.19.22 Mixture 17.19.22.26.29 Contra Tromba Tromba Octave Tromba	8 8 8 8 $5\frac{1}{3}$ 4 4 4 $2\frac{2}{3}$ 2 III V 16 8			

Solo to Great

Swell Organ Enclosed				Solo Organ Enclosed		
64	Quintaton	16	80	Contra Viola		
65	Open Diapason	8	81	Viole d'Orchestre		
66	Violin Diapason	8	82	Viole Celeste		
67	Lieblich Gedeckt	8	83	Viole Sourdine		
68	Echo Gamba	8	84	Viole Octaviante		
69	Voix Celeste	8	85	Cornet Des Violes		
70	Principal	4	86	Harmonic Flute		
71	Lieblich Flute	4	87	Concert Flute		
72	Twelfth	$2\frac{2}{3}$	88	Harmonic Piccolo		
73	Fifteenth	2	89	Orchestral Oboe		
74	Mixture 17.19.22.26.29	V	90	Cor Anglais		
75	Contra Oboe	16	91	French Horn		
76	Oboe	8	92	Orchestral Trumpet		
77	Double Trumpet	16	93	Tuba		
78	Trumpet	8	94	Tuba Clarion		
79	Clarion	4		Tremulant		
	Tremulant					

## **Swell couplers**

Swell octave Swell suboctave Swell unison off Solo to Swell

## Solo couplers

Solo Octave Solo Sub Octave Solo Unison Off 16 8 8

8 4 III

CC

10.12.15

Detached console. Key & stop action electro-pneumatic throughout. Pitch C=523.3 (A=440)

### Accessories

8 thumb pistons to each manual

8 general thumb pistons,

Cancel pistons to each division

**General Cancel** 

Reversible thumb pistons for Sw-Gt, Ch-Gt, So-Gt, Gt-Pd,

Sw-Pd, Ch-Pd, So-Pd, Sw-Ch, Double Open Wood, Double Ophicleide.

8 adjustable toe pistons each to Swell and Pedal

Reversible toe pistons for Sw-Gt, Ch-Gt, So-Ped, Ch-Pd, Sw-Ch, Gt-Pd.

Great and Pedal combinations coupled

Swell and Pedal combinations coupled

Stepper thumb pistons (7+, 2-) duplicated by toe pistons

Balanced Swell, Choir, Solo and Crescendo pedals

NOTE 1: LCa says the Cornopean is affected by the Tremulant as is the Clarinet, Salicional and Vox Angelica.

### Wind pressures

Pedal: flues 3-5", reeds 7-15" Choir: 3", Great Flues 4", reeds 9" Swell: Flues and Oboes 4.5", reeds 7"

Solo: Flues & Orch. reeds 5", F.Horn & Tpt & Tubas 15"

Action: 12-15"

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