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JOHN

Collection of engineering drawings re work of Manchester engineer W.B.
Johnson

JOHN

Collection of 185 mechanical and civil engineering drawings, all but eight of which have been sealed in Melinex due to their fragility. All are line drawings with (or part with) wash, measuring ca.69 x 104cm, except for A1. All bear name 'W B Johnson, Con. (Consulting, or) M (Mechanical) Engineer, Manchester'. Most bear 'Memorandums'.

Drawings relate to contracts for:

- A Milne, Oldham
- B Wm Hughes, Manchester
- C Mess. Edwin Boden & Co., Manchester
- D Mess. Thos. Dugdale Bro. & Co., Blackburn
- E Mess. Samuel F Armitage & Co., Farnworth
- F Mess. Rylands Bros. Lim., Warrington
- G James Clarke Esq
- H Mess Wadline & Veing. Manchester
- I Robert Smith Esq. Victoria Mills, Longridge nr Preston
- J Mess Henry Ward & Sons. Blackburn
- K Mess Thos Dugdale Bro & Co. Blackburn
- L Mess S & J F Leese, Preston
- M Mess Armitage & Rigbys, Warrington
- N James Carr Esq, Manchester
- O J M Brooks Esq, Crumpsall Mills
- P No Contract

- | | | |
|----|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A1 | 1862 May 21 | [Three dimensional view of 5-storey mill, 168' x 105', and adjacent 3-storey building] 37 x 83cm |
| 2 | 1863 Feb 23 | [Plan view of the mill and adjoining buildings showing the foundations]
Scale 1/8" to 1' |
| 3 | 1863 Feb 23 | [Plan view of the floor layout inside the mill and adjoining buildings showing the floor layout and cutaway sections showing the floor supports]
Scale 1/8" to 1' |
| 4 | 1863 Feb 23 | [Plan view of the roof of a number of mill buildings showing their arrangement and details of the roof layout, including a cutaway section showing the roof supports. Also shown is the location of the boundary wall and gate]
Scale 1/8" to 1' |
| 5 | 1863 Feb 23 | [Internal section of a 5 story mill and attached 3 story building showing the foundations and internal structure as well as they location of stairs, floors and the roof]
Scale 1/8" to 1' |

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|----|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6 | 1863 Feb 23 | [Internal sections of the 3 story engine house attached to a mill showing the foundations and internal structure as well locations of the floor, roof supports, boilers and steam engine]
Scale 1/8" to 1' |
| 7 | 1863 Feb 23 | [External elevation of a 5 story mill and attached 3 story building 245' wide x 77' 3" high showing the ground level, location of windows and doors and the roof level]
Scale 1/8" to 1' |
| 8 | 1863 Feb 23 | [External elevation of a 5 story mill 112' wide x 77' 3" high and attached associated buildings showing the ground level, location of windows and doors, the level of the roof and the location of 3 boilers in an attached building]
Scale 1/8" to 1' |
| 9 | 1863 Feb 23 | [External elevation of a 5 storey mill 110' wide x 77' 3" high and an attached 3 story building 135' wide x 34' 1 1/2" high, showing the ground level, location of windows and doors and the level of the roof]
Scale 1/8" to 1' |
| 10 | 1863 Feb 23 | [External elevation of a 5 story mill and attached 3 story buildings 192' wide x 77' 3" high showing the ground level, location of windows and doors, the level of the roof and the location of 3 boilers in an attached building]
Scale 1/8" to 1' |
| 11 | 1863 Feb 23 | [Cross sections of the mill roof showing the roof beam, supports and method of anchoring into the walls]
Scale 1" to 1' |
| 12 | 1863 Feb 23 | [Elevations showing the support columns for the flooring in the mill and the way in which the levels in the 3 and 5 story buildings]
Scale 1" to 1' |
| 13 | 1863 Feb 23 | [Elevation, plan and section showing the details of windows]
Scale 2" to 1' |
| 14 | 1863 Feb 23 | [Elevations and plans showing the details of a support column]
Scale 1/8" and 3/4" to 1' |
| 15 | 1863 Feb 23 | 70 H.P. Condensing Horizontal Engine W.B. Johnson's Patent
Scale 5/8" to 1' |

B 35 H. P. Condensing Horizontal Engine. W.B. Johnson's Patent

1	1861 Oct 30/ [1862] Jun 25	Drawing No.41 Scale 1:1
2	1861 Nov 1/ 1862 Jun 20	Drawing No.42 Scale 6":1'
3	1861 Dec 18/ 1862 Jun 3	Drawing No.69 Scale ½":1'
4	1862 May 7/ 1862 Jun 14	Drawing No.65 Scales 6":1'; 2":1'
5	1862 Jun 4	Drawing No.70 Scale 3":1'
6	1862 Jun 5	Drawing No.71 Scale 2":1'
7	1862 Jun 9	Drawing No.72 Scale 1½":1'
8	1862 Jun 11	Drawing No.73 Scale 4":1'
9	1862 Jun 12	Drawing No.74 Scale 6":1'
10	1862 Jun 14	Drawing No.76 Scales 6":1'; 2":1'
11	1862 Jun 16	Drawing No.77 Scale 12":1'
12	---- " ----	Drawing No.78 Scales 6":1'; 3":1'
13	---- " ----	Drawing No.79 Scale 1:1
14	1862 Jun 19	Drawing No.80 Scale 1:1
15	---- " ----	Drawing No.81 Scale 1:1

16	1862 Jun 21	Drawing No.82 Scale 1:1
17	1862 Jun 26	Drawing No.85 Scale 1:1
18	1862 Jun 27	Drawing No.86 Scale 1:1
19	---- " ----	Drawing No.87 Scale 1:1
20	1862 Jun 30	Drawing No.88 Scale 1:1
21	1862 Sept 13	Drawing No.104 Scale 1:1
22	1862 Sept 16	Drawing No.105 Scale 6":1'
23	1862 Sept 19	Drawing No.106 Scale 2":1'
24	1862 Sept 22	Drawing No.107 Scale 1:1
25	1862 Sept 25	Drawing No.108 Scale 1:1
26	1862 Oct 2	Drawing No.109 Scale 4":1'
27	---- " ---	Drawing No.110 Scale 1":1'
C		20 H. P. Condensing Horizontal Engine. W.B. Johnson's Patent
1	1862 Dec 27	Drawing No.115 Scale 1:1
2	1862 Dec 29	Drawing No.117 Scale 3":1'
3	1862 Dec 31	Drawing No.118 Scale 6":1'

4	1863 Jan 2	Drawing No.119 Scales 1":1'; 1:1
5	1863 Jan 3	Drawing No.120 Scales 2":1'; 1:1
6	1863 Jan 6	Drawing No.121 Scale 1:1
7	1863 Jan 10	Drawing No.122 Scale 1:1
8	1863 Jan 12	Drawing No.123 Scale 1:1
9	1863 Jan 14	Drawing No.124 Scale 1:1
10	---- " ----	Drawing No.125 Scale 6":1'
11	1863 Jan 15	Drawing No.126 Scale 6":1'
12	1863 Feb 13	Drawing No.133 Scale ½":1'
13	1863 Feb 18	Drawing No.134 Scales 3":1'; 6":1'
14	---- " ----	Drawing No.135 Scales 2":1'; 6":1'
15	1863 Feb 19	Drawing No.136 Scale 1:1
16	---- " ----	Drawing No.137 Scale 6":1'
17	1863 Feb 20	Drawing No.138 Scale 1:1
18	---- " ----	Drawing No.139 Scale 1:1
19	1863 Mar 10	Drawing No.160 Scale 1:1

20	1863 Mar 12	Drawing No.161 Scale 1:1
21	1863 Mar 14	Drawing No.162 Scale 1:1
22	1863 Mar 16	Drawing No.163 Scale 6":1'
23	1863 Mar 18	Drawing No.164 Scale 1:1
24	1863 Mar 20	Drawing No.165 Scale 6":1'
25	1863 Mar 23	Drawing No.166 Scale 1:1
26	1863 Mar 24	Drawing No.167 Scale 1:1
D1	1872 May 20	Spur-fly Wheel. Auxiliary Engines Scale 4":1'
2	1872 May 22	Spur-fly Wheel Pinion. Auxiliary Engines Scale 4":1'
3	---- " ----	Crank and second motion Shafts. Auxiliary Engines Scale 3":1'
4	1872 May 27	Cylinder Valve Rod Mounting and Guide. Auxiliary Engines Scale 1:1
5	1872 Nov 26	End Elevation of Cylinders and Cyl. valve boxes. Auxiliary Engines Scale 4":1'
6	1872 Nov 27	Transverse Section of Main Frames, also end flange of the same and connections to the Cylinders. Auxiliary Engines Scale 4":1'
7	1872 Nov 28	Pillar Fixings for Carrying end of Cylinders. Auxiliary Engines Scale 4":1'
8	1872 Nov 29	Transverse Sections of Main Frames. Auxiliary Engines Scale 4":1'

9	1872 Nov 30	Cylinder Escape Valves, and Gearing for same. Auxiliary Engines Scale 1:1
10	1872 Dec 2	Levers &c for working Cylinder Valves. Auxiliary Engines Scale 1:1
11	1872 Dec 3	Cam shaft Pedestal Fixings &c. Cylinder Valves. Auxiliary Engines Scale 1:1
E1	1877 Mar 7	3rd. Proposed Ground Plan of intended new Loom Shed and connected Buildings Scale 3/4":10'
2	1877 Mar 17	Upper end of new Loom Shed Columns, shewing the mode of connecting the Tie Beams and Roof Gutters to the same Scale 1:1
3	---- " ----	Columns for the new Loom Shed, and Foundation work for the same Scales 3":1'; 6":1'
4	1877 Mar 19	Sections &c of Roof Gutters for new Loom Shed and connected Warehouse Building Scale 1:1
5	1877 Mar 22	Roof Gutters for the new Loom Shed Scale 1 1/2":1'
6	1877 Mar 24	Roof Gutter connecting Pipes and Down Spouts for the new Loom Shed Scales 1 1/2":10'; 3":1'
7	1877 Feb 15	Proposed Design of Columns, Tie Beams and Roof Work for intended new Loom Shed Scale 1 1/2" to 1'
8	1877 March 13	4th Proposed Ground Plan of intended new Loom Shed and connected Buildings Scale 3/4" to 10'
F1	1881 Aug 1 - 1881 Nov 16	General Plan of Compound Horizontal Engine. 550 Ind. H.P. Scale 1/2":1
2	1881 Aug 1 - 1881 Nov 16	General Side Elevation of 2nd Cylinder Half of Compound Horizontal Engine - 550 Ind. H.P. Scale 1/2" to 1'

G 35 H.P. Condensing Horizontal Engine W.B. Johnson's Patent

1	1864 Oct 24	Drawing No 1 Scale 3/8" to 1'
2	1864 Nov 2	Drawing No 2 Scale 6" to 1'
3	1864 Nov 3	Drawing No 3 12" to 1'
4	1864 Nov 4	Drawing No 4 Scale 12" to 1'
5	1864 Nov 5	Drawing No 5 12" to 1'
6	1864 Nov 7	Drawing No 6 Scale 12" to 1'
7	1864 Nov 9	Drawing No 7 Scale 3" to 1'
8	1864 Nov 10	Drawing No 8 Scale 3" to 1'
9	1864 Nov 12	Drawing No 9 Scale 3" to 1'
10	1864 Nov 14	Drawing No 10 Scale 4" to 1'
11	1864 Nov 14	Drawing No 11 Scale 6" to 1'
12	1864 Nov 16	Drawing No 12 Scale 6" to 1'
13	1864 Nov 18	Drawing No 13 Scale 2" to 1'
14	1864 Nov 23	Drawing No 14 Scale 2" to 1'
15	1864 Nov 24	Drawing No 15 Scale 2" to 1'
16	1864 Dec 2	Drawing No 16 Scale 4" to 1'
17	1864 Dec 3	Drawing No 17 Scale 6" to 1'

18	1864 Dec 5	Drawing No 18 2" and 3" to 1'
19	1864 Dec 7	Drawing No 19 Scale 1 ¼" to 1'
20	1864 Dec 9	Drawing No 20 Scale 3" to 1'
21	1864 Dec 10	Drawing No 21 Scale 1 ¼" and 2" to 1'
22	1864 Dec 14	Drawing No 21 Scale 1 ¼" and 2" to 1'
23	1864 Dec 20	Drawing No 23 Scale 2" to 1'
24	1864 Dec 23	Drawing No 24 Scale 3" and 6" to 1'
25	1864 Dec 24	Drawing No 25 Scale 6" to 1'
26	1864 Dec 26	Drawing No 26 Scale 2" to 1'
27	1864 Dec 27	Drawing No 27 Scale 3" to 1'
28	1865 Jan 18	Drawing No 28 Scale 3/8" to 1'
29	1865 Jan 20	Drawing No 29 Scale ¼" to 1'
30	1865 Feb 3	Drawing No 30 Scale 12" to 1'
31	1865 Feb 4	Drawing No 31 Scale 12" to 1'
32	1865 Feb 7	Drawing No 32 Scale 12" to 1'
33	1865 Feb 7	Drawing No 33 Scale 12" to 1'
34	1865 Feb 8	Drawing No 34 Scale 6" to 1'
35	1865 Feb 11	Drawing No 36 Scale 12" to 1'

36	1865 Feb 13	Drawing No 37 Scale 12" to 1'
37	1865 Feb 14	Drawing No 38 Scale 12" to 1'
38	1865 Feb 15	Drawing No 39 Scale 12" to 1'
H1	1865 Oct 14	25 H.P. Two flue Steam Boiler Scale 1 ¼" and ¾" to 1'
I1	1867 June 6	38 H.P. Two flue Steam Boiler Scale 1 ¼" and 5/8" to 1'
J1	1871 June 1	Plane of a pair of Compound Horizontal Steam Engines – 90 total nominal H.P. Scale ½" to 1'
K1	1872 Dec 24	Side Elevation of Auxiliary Engine – Cylinder 25" dia x 42" Stroke x 51 per min Scale 1" to 1'
L1	1875 May 28	Elevation and Plan of Cotton Spinning Mill and Weaving Sheds, at Fylde Road, Preston belonging to Mess S & J F Leese Scale 1/16" to 1'
2	1875 May 29	Plan of Cotton Spinning Mill and Weaving Sheds, at Fylde Road, Preston, belonging to Mess S & J F Leese, shewing [sic] proposed new arrangement of Engine Power Scale 1/16" to 1'
3	1875 May 29	Plan of Cotton Spinning Mill and Weaving Sheds, at Fylde Road, Preston, belonging to Mess S & J F Leese, shewing [sic] proposed new arrangement of Engine Power Scale 1/16" to 1'
4	1875 May 31	Plan of Cotton Spinning Mill and Weaving Sheds, at Fylde Road, Preston, belonging to Mess S & J F Leese, shewing [sic] proposed new arrangement of Engine Power Scale 1/16" to 1'
5	1875 May 31	Plan of Cotton Spinning Mill and Weaving Sheds, at Fylde Road, Preston, belonging to Mess S & J F Leese, shewing [sic] proposed new arrangement of Engine Power Scale 1/16" to 1'
6	1875 June 1	Plan of Cotton Spinning Mill and Weaving Sheds, at Fylde Road, Preston, belonging to Mess S & J F Leese, shewing [sic] proposed new arrangement of Engine Power Scale 1/16" to 1'

M1	1863 Aug 1	50 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Scale ½" to 1'
2	1864 Sep 17	35 H.P. Steam Boiler ¾" and 1" to 1'
3	1876 March 16 - 1876 Dec 14	S[?]n Sheet for the Buckled Floor Plates for the Mule and Thostle Spinning Mills ¼" and 4" to 1'
4	1876 May 25 - 1877 Jan 20	Pedestal Wall Plates for the Belt Rooms and Frame Driving Shafts for the Mule and Throstle Spinning Mills 1" to 1'
5	1876 May 25 - 1877 Feb 12	[?] carrying the 2nd motion main driving shaft, driving Pullies and Gallery for access of the same, in the Engine House of the Mule and Throstle Spinning Mills Scale ¾" and 1 ½" to 1'
6	1876 May 25 - 1877 Feb 12	Front Elevation and Detail of Handrailing and Flooring for 2nd motion shaft Gallery in the Engine House of Mule and Throstle Spinning Mills Scale ¾", 3" and 12" to 1'
7	1877 Feb 16	Elevation, Plan and Details of Engine House Roof, for Mule and Throstle Mills Scale ¼", 1" and 2" to 1'
8	1877 April 28	Front Elevation and Transverse Section of Engine House and Belt Rooms of Mule and Throstle Mills Scale ¼", ¾" and 1 ½" to 1'
9	1877 April 30	Detail of Engine House Door and Windows, for the Mule and Thostle Spinning Mills 1 ¼" and 2 ½" to 1'
10	1876 March 1 - 1877 June 25	Elevation, Sections and Details of Cornice Work for the Mule and Throstle Spinning Mills 1", 2" and 12" to 1'
11	1876 Feb 10 - 1877 June 25	Transverse Section of a part of the Roofs proposed for the Mule and Throstle Spinning Mills Scale ¾" to 1'
N1	1878 March 7	1st Proposed Ground Plan of intended new Mill for Smallware Machinery, Hulme Scale 1" to 6'
2	1878 March 19	2nd Proposed Ground Plan of intended new Mill for Smallware Machinery, Hulme Scale 1" to 6'
3	1878 April 10 - 1878 May 3	3rd Proposed Ground Plan of intended new Mill for Smallware Machinery, Hulme Scale 1" to 6'

4	1878 May 21	Horizontal or Plan Sections of New Smallware Factory, Hulme Scale 1" to 6'
5	1878 May 24	Horizontal or Plan Sections of New Smallware Factory, Hulme Scale 1" to 6'
6	1878 May 28	Side Elevation and Longitudinal Section of new Smallware Factory, Hulme Scale 1" to 6'
7	1878 May 29	End Elevation and Transverse Sections, of new Smallware Factory, Hulme Scale 1" to 6'
8	1878 May 31	Detail of Brickwork Footings and Cornice work, of new Smallware Factory, Hulme Scale 1" to 1'
9	1878 June 3	Plans, Sections and Details of Ironwork for Coal shoot and for carrying floor and wall over the Coal stores, of new Smallware Factory, Hulme Scale 1" and 4" to 1'
01	1880 April 12	Window Sills, Transoms and Heads, for the new Engine House, for the Clarence and North Mills Scale 2" to 1'
P1	1861 March 23	35 H.P. Steam Boiler Drawing No 6 Scale ¾" and 12" to 1'
2	1861 March 30	25 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 7 Scale 2" to 1'
3	1861 April 10	25 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 8 Scale 3" to 1'
4	1861 April 16	25 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 9 Scale 3" to 1'
5	1861 April 20	25 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 10 Scale 4" to 1'
6	1861 April 24	25 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 11 Scale 3" to 1'

7	1861 May 23	25 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 15 Scale 6" to 1'
8	1861 June 4	25 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 16 Scale 6" and 2" to 1'
9	1861 June 5	25 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 17 Scale 6" and 3" to 1'
10	1861 June 17	30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 18 Scale 1" to 1'
11	1861 July 20	30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 24 Scale 1/2" to 1'
12	1861 Aug 3	30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 26 Scale 3" to 1'
13	1861 Aug 6	30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 27 Scale 12" to 1'
14	1861 Aug 10	30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 28 Scale 4" and 12" to 1'
15	1861 Aug 16	30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 29 Scale 12" to 1'
16	1861 Aug 20	30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 30 Scale 12" to 1'
17	1861 Aug 23	30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 31 Scale 6" and 12" to 1'
18	1861 Sep 18	30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 33 Scale 1 1/2" and 6" to 1'
19	1861 Sep 24	30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent Drawing No 34 Scale 12" to 1'

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| 20 | 1861 Oct 3 | 30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent
Drawing No 36
Scale 12" to 1' |
| 21 | 1861 Oct 7 | 30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent
Drawing No 37
Scale 6" to 1' |
| 22 | 1861 Oct 15 | 30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent
Drawing No 38
Scale 3" to 1' |
| 23 | 1861 Nov 21 | 30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent
Drawing No 45
Scale 12" to 1' |
| 24 | 1862 March 17 | 30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent
Drawing No 60
Scale 1/2" to 1' |
| 25 | 1862 March 24 | 30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent
Drawing No 61
Scale 12" to 1' |
| 26 | 1862 March 27 | 30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent
Drawing No 62
Scale 4" to 1' |
| 27 | 1862 May 27 | 30 H.P. Condensing Horizontal Engine W.B. Johnson's Patent
Drawing No 67
Scale 3" to 1' |

Inv. no. 1995-381