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## **B & R**

Collection of engineering drawings illustrative of many  
aspects of civil and mechanical engineering work of  
Bramah and Robinson

Compiled by Robert Sharp

**B & R**

**Collection of engineering drawings illustrative of many aspects of civil and mechanical engineering including mills, presses, bridges, cranes, pumps, engines and boilers designed and constructed by Joseph Bramah, Bramah, J & Son, Bramah and Sons, Bramah and Robinson, Charles Robinson, Charles Robinson & Son.**

**Volume 1**

- |      |   |                                                                                                        |
|------|---|--------------------------------------------------------------------------------------------------------|
| 1/1  | - | Rice Mill, Mr Hoblyn, Ceylon<br>Line drawing with wash, 50 x 68.5cm<br>No scale                        |
| 1/2  | - | ----- as above -----<br>Line drawing with wash, 52.5 x 68cm<br>No scale                                |
| 1/3  | - | Windmill for Owen Wynne<br>Line drawing with wash, 92 x 60cm<br>Scale 1":1'                            |
| 1/4  | - | Flour Mill, Dartford<br>Line drawing with wash, 58 x 91cm<br>Scale 1":4'                               |
| 1/5  | - | Cement Mill, Messrs Chambers & White<br>Line drawing with wash, 68 x 110cm<br>Scale 1":2'              |
| 1/6  | - | Flour Mill, Dartford<br>Line drawing with wash, 39.5 x 55cm<br>Scale 1":2'                             |
| 1/7  | - | ----- as above -----<br>Wheat cleaning machine<br>Line drawing with wash, 42 x<br>53cm<br>Scale 1":16" |
| 1/8  | - | ----- as above -----<br>Smutt machine<br>Line drawing with wash, 47 x<br>56.5cm<br>Scale 1":16"        |
| 1/9  | - | ----- as above -----<br>Bolting machine<br>Line drawing with wash, 47 x<br>67.5cm<br>Scale 1":16"      |
| 1/10 | - | ----- as above -----<br>Line drawing with wash, 50 x 68cm<br>Scale 1":16"                              |
| 1/11 | - | ----- as above -----                                                                                   |

			Line drawing with wash, 55.5 x 90cm Scale 1":8"
1/12	-	Cement Mill, Messrs Chambers & White	Line drawing with wash, 51.5 x 51cm No scale
1/13	-	Flour Mill, Dartford	Plan shewing an Oak Hurst with 5 stone Pinions
			Line drawing with wash, 47.5 x 62cm Scale ca1":33"
1/14	-	----- as above -----	Line drawing with wash, 52 x 62.5cm No scale
1/15	-	----- as above -----	Elevation of Hurst; plan of mill of 6 Pairs of Stones with Water Wheel Line drawing, 55 x 82cm Scale ca1":3'
1/16	-	----- as above -----	Line drawing, 53 x 59cm Scale 1":1'
1/17	-	----- as above -----	Plan and sections of a double Flour Machine and set of Joining Screws
			Line drawing, 53.5 x 70cm Scale 1":16"
1/18	-	----- as above -----	Line drawing with wash, 46.5 x 64.5cm Scale 1":16"
1/19	-	----- as above -----	Elevations and Plans of a Corn Mill for the use of Prisons to be Worked by Manual Labour. J Bramah & Sons, Engineers, Pimlico & Piccadilly Line drawing with wash, 62.5 x 96cm Scale 1":4'
1/20	-	----- as above -----	Line drawing with wash, 58.5 x 91.5cm No scale
1/21	-	Tread-Mill for Cardiff Gaol	Line drawing with wash, 60.5 x 90.5cm Scale 1":2'

1/22	-	Tread Mill Line drawing, 48 x 50cm Scale 1":4'
1/23	-	Plans and Sections of a Tread Mill, by J Bramah & Sons, Engineers, Pimlico, proposed for the Gaol at Norwich Line drawing with wash, 58.5 x 88cm Scale 1":4'
1/24	-	Tread Mill, Norwich Line drawing with wash, 72 x 124.5cm Scale 1":2'
1/25	-	----- as above ----- Line drawing, part with wash, 91.5 x 128.5cm Scale 1":8"
1/26	-	----- as above ----- Line drawing, part with wash, 64.5 x 126cm Scale 1":8"
1/27	-	----- as above ----- Line drawing, part with wash, 68.5 x 118.5cm Scale 1":8"
1/28	-	----- as above ----- Line drawing, part with wash, 87.5 x 118.5cm Scale 1":8"
1/29	-	Tread Mill, Huntingdon Line drawing, part with wash, 69 x 133.5cm No scale
1/30	-	----- as above ----- Line drawing, part with wash, 60 x 94cm No scale
1/31	-	----- as above ----- Line drawing, part with wash, 62 x 124cm No scale
1/31½	-	Gyrometer for indicating the revolutions of Tread wheels for Huntingdon Gaol Line drawing with wash, 58.5 x 91.5cm Scale full size

1/32	-	Elevations, Plan and Sections of an Oil
93.5cm		Mill by J Bramah & Sons, London Line drawing with wash, 64.5 x Scale 1":8'
1/33	-	Oil Mill
		Line drawing with wash, 63 x 90.5cm Scale 1":4'
1/34	-	Longitudinal Section and Plan of an Oil
110cm		Mill by J Bramah & Sons, London Line drawing with wash, 72.5 x Scale 1":4'
1/34½	-	Rolling Mill for Lead Pipes
74cm		Plan, Elevations, Coupes et Profils d'un Etablissement pour laminer des feuilles de plomb non soudes avec tous les details y relatif Line drawing with wash, 54 x Scale 1":4'
1/35	-	Oil and Lead Mill, Mr Huygh, Brussels
		Line drawing, 63 x 96cm Scale 1":4'
1/35½	-	----- as above -----
		Line drawing, 63.5 x 95cm Scale 2":1'
1/36	1833 Aug	Detail of a Stamping Mill for Seed oil
		Line drawing, 29.5 x 33.5cm Scale 3cm:1m
1/37	-	Cement Mill
77cm		Plan of Stampers proposed to be erected for Messrs Chambers & White by J Bramah & Sons, London Line drawing with wash, 59.5 x Scale 1":2'
1/38	1820	Saw Mill, Chatham
		Line drawing with wash, 61.5 x 84cm Scale 1":40'
1/39	-	--- as above ---
		Line drawing with wash, 54 x 80cm Scale 1":12'
1/40	-	--- as above ---
		Line drawing with wash, 71.5 x

119cm  
 1/41 - Scale 1":12'  
 Saw Mill, Brazil  
 Line drawing with wash, 61.5 x  
 93.5cm

Scale 1":8'  
 1/42 - Saw Mill, Woolwich  
 Line drawing with wash, 61.5 x  
 96.5cm

No scale

**Volume 2**

2/1 - Sperm Press  
 Line drawing with wash, 67 x  
 107.5cm

Scale 1":6"  
 2/2 - Sperm Press, Liverpool  
 Line drawing with wash, 59.5 x 92cm  
 Scale 1":4" (hor); 1":6½" (ver)

2/3 - Sperm Press  
 Line drawing, 71 x 104.5cm  
 Scale 1":6"

2/4 - Oil Press, Messrs Gibbs & Co  
 Line drawing, 61 x 92.5cm  
 Scale 1":1'; 1":2'

2/5 1821 Oct 7 Oil Press, Mr Russel  
 Line drawing, 57.5 x 81.5cm  
 Scale 1":1'

2/6 - Sperm Press  
 Line drawing, 59.5 x 123cm  
 No scale

2/7 - Vertical Sperm Oil Press, Mr Danker,  
 Paris  
 Line drawing, 98.5 x 66cm  
 Scale 1":8"

2/8 - Spermaceti Press, Mr Danker, Paris  
 Line drawing with wash, 55 x 92.5cm  
 Scale 1":6"

2/9 - Linseed Oil Press  
 Line drawing with wash, 66 x 48.5cm  
 Scale 1":4"

2/10 - Double Oil Press, Mr Spiller  
 Line drawing with wash, 54 x 42.5cm  
 Scale 1":8"

2/11 - Oil Press

31.5cm		Line drawing with wash, 42.5 x Scale 1":8"
2/12	-	Sperm Press Line drawing with wash, 52.5 x 69cm Scale 1":1'
2/13 Sperma-	-	Steam Box for heating Plates for ceti Press for Mr Danker, Paris Line drawing with wash, 50 x 61.5cm Scale 1":6"
2/14	-	Double Oil Press, Mr Spiller Line drawing, 85.5 x 79cm No scale
2/15 x 112cm	-	----- as above ----- Line drawing, part with wash, 66.5 Scale 1":4"
2/16 96.5cm	-	----- as above ----- Line drawing, part with wash, 63 x Scale 1":4"
2/17 Sperm 92.5cm	1833 Oct 14	Arrangement of Tight Presses for a Mill, Mr Bridge Line drawing, part with wash, 65 x Scale 1":1'
2/18 x 95cm	1833 Oct	Pit for Spermaceti Presses, Mr Bridge Line drawing, part with wash, 62.5 Scale 1":1'
2/19 87.5cm	1835 May	10ins Sperm Oil Press, Mr Bridge Line drawing, part with wash, 64 x Scale 1":16"
2/20 Messrs x 89.5cm	1833	Spermaceti Press as executed for Bridge Line drawing, part with wash, 62.5 Scale 1":1'
2/21 Hot	-	Section of Box for 8½ins Spermaceti Press, Mr Bridge Line drawing with wash, 94 x 58.5cm Scale full size

2/22	-	Oil Press Line drawing, 92.5 x 65.5cm Scale 1":8"
2/23	1831 Apr 25	10ins Press for Almond or Castor Oil made for Messrs Biggar and Atkinson Line drawing, 95.5 x 63.5cm Scale 1":8"
2/24	- Loughlan & Co	8ins Cocoa Nut Oil Presses, Messrs  Line drawing with wash, 65 x 69.5cm Scale 1":16"
2/25	1832 Oct 29	----- as above ----- Line drawing with wash, 64 x 97cm Scale 1":8"
2/26	- Co	Cocoa Nut Oil Press, Messrs Loughlan &  Line drawing with wash, 49 x 65cm Scale 1":16"
2/27	-	Oil Press with Solid Frame Line drawing, 64 x 47.5cm Scale 1":8"
2/28	-	10ins Oil Press with Solid Frame Line drawing with wash, 61 x 46cm Scale 1":1'
2/29	-	Stationer's Press Line drawing, 57 x 70cm Scale 1":4"
2/30	-	Sperm Pans Line drawing, part with wash, 60 x 95.5cm  Scale 1":1'
2/31	-	Sperm Boiling Pans, Messrs Barclays Line drawing with wash, 96 x 64cm Scale 1":2'
2/32	1835 Nov	12ins Olive Press, Messrs Zuleuta & Co Line drawing, part with wash, 62 x 95cm  Scale 1":1'
2/33	- of Tuscany	12ins Olive Press as made for the Duke  Line drawing, part with wash, 59 x 90cm  No scale
2/34	-	Olive Press, Duke of Tuscany Line drawing, 63 x 95.5cm Scale 1":8"

2/35 x 96cm	1835 Jan	10ins Paper Press for Mr Donkin Line drawing, part with wash, 62.5 Scale 1":1'
2/36 Meynier, 93cm	1835 Jul	2nd Paper Press, Messrs Smith & Trieste Line drawing, part with wash, 62 x Scale 1":1'
2/37	-	Sugar Press Line drawing, 60.5 x 95.5cm Scale 1":8"
2/38	-	Sugar Press, Mr Milliet Line drawing, 62 x 91cm Scale 1":8"
2/39 Milliet	-	Detail of 12ins Sugar Press, Mr Line drawing, 62.5 x 96cm Scale 1":8"
2/40 Mills 229.5cm	-	Gunpowder Press, Waltham Abbey Powder Line drawing with wash, 89 x [with affixed flap 89 x 88.5cm] Scale 1":1'
2/41	-	Gunpowder Press, Model for Factory Line drawing, 71 x 51.5cm No scale
<b>Volume 3</b>		
3/1 for	-	Plan, Section & Elevation of a Press for Gunpowder .... by J Bramah & Son Line drawing with wash, 33 x 44cm Scale 1":16"
3/2 43.5cm	-	Plan & Elevations of a Press for Gunpowder or Charcoal by J Bramah & Son Line drawing with wash, 32.5 x Scale 1":16"
3/3	-	Gunpowder Press Line drawing with wash, 31.5 x 24cm No scale
3/4	-	--- as above --- Line drawing with wash, 40.5 x 34cm No scale

3/5	-	--- as above --- Line drawing with wash, 51.5 x 68.5cm No scale
3/6	1833 Oct	13ins Press for Gunpowder Line drawing with wash, 60.5 x 94.5cm Scale 1":8"
3/7	1826 May 9	1 $\frac{1}{4}$ ins Screw Press, Searcher's Office, St Kath Docks Line drawing, 72 x 123.5cm Scale full size
3/8	-	Copying Press Line drawing, 72 x 131cm [bears name J Clement] No scale
3/9	-	Copying Press, model Line drawing, 59 x 91.5cm No scale
3/10	-	Portable Copying Screw Press Line drawing, part with wash, 69.5 x 54cm No scale
3/11	-	Copying Press, model Line drawing with wash, 46.5 x 65.5cm No scale
3/12	-	Copying Press Line drawing with wash, 42 x 45.5cm No scale
3/13	-	Wire Press, Bank of England Line drawing with wash, 67.5 x 47.5cm No scale
3/14	1821 Jan 30	----- as above ----- Line drawing with wash, 67 x 114.5cm No scale
3/15	-	Screw Press for Wax for Africa, Mr Harrison Line drawing, part with wash, 60.5 x 94.5cm Scale 1":4"
3/16	1828 Nov 3	Screw Press for Searcher's Office, St Katharine Docks

			Line drawing with wash, 45.5 x 60cm Scale 1":1'
3/17	-		Safe worked by Press, Sir John Lubbock Line drawing with wash, 90 x 58cm Scale 1":16"
3/18	-		----- as above ----- Line drawing with wash, 43.5 x 58.5cm Scale 1":2'
3/19 Brind	-		8ins Silver Press for Messrs Brown & Line drawing with wash, 61.5 x 95cm Scale 1":8"
3/20 Brind	1833		12ins Silver Press for Messrs Brown & Line drawing with wash, 63.5 x 95.5cm Scale 1":8"
3/21 Sherrats	1835 Oct 9		Copy of a sketch sent to Messrs Dec 15, 1817 of a Hay Press for Mr Ed'd Taylor, Dodworth Line drawing, 63 x 96cm Scale 1":8"
3/22	-		Cotton Press, Messrs Gibbs Line drawing, 72 x 119cm Scale 1":1'
3/23	-		----- as above ----- Line drawing, 72.5 x 113.5cm Scale 1":1'
3/24	-		----- as above ----- Line drawing, 71.5 x 120cm [Scale 1":1']
3/25	-		Wool Press, Messrs Sillem Line drawing with wash, 72 x 128cm No scale
3/26 Pasha of Egypt	-		6ins Press for Packing Cotton in Bags, Messrs Peel & Williams, sent to the Line drawing, part with wash, 55.5 x 79.5cm Scale 1":1'
3/27	-		Cotton Press Line drawing, 53.5 x 89.5cm Scale 1":1'
3/28	1821 Sept 29		Cotton Press, Mr Russel, Calcutta

			Line drawing, 57.5 x 81.5cm Scale 1":1'
3/29	-	Paper Press	Line drawing, part with wash, 64 x 96.5cm No scale
3/30	-	Silk Press, Messrs Racine & Jacques	Line drawing with wash, 60 x 92.5cm Scale 1":8"
3/31	1833	10ins Packing Press, Messrs Hall	Line drawing, part with wash, 63 x 94.5cm Scale 1":1'
3/32	-	4ins Packing Press, Mr Alsager	Line drawing, part with wash, 63.5 x 96cm Scale 1":1'
3/33	-	Packing Press	Line drawing, 67.5 x 97.5cm Scale 1":8"
3/34	1823 Jun 20	6ins Packing Press	Line drawing, 96 x 60.5cm Scale 1":8"
3/35 Bennest	-	Beet Root Press as made for Messrs	Line drawing with wash, 92.5 x 60.5cm Scale 1":1'
3/36 Gower & Co	1835	Lifting Machine proposed for clearing the bed of the Danube, estimated for	Line drawing, part with wash, 63.5 x 96.5cm Scale 1":8"
3/37	-	Stone pipe proving	Line drawing with wash, 37.5 x 53.5cm No scale
3/38 for	-	Plan, Section & Elevation of a Press	Packing Flour, for Messrs Surry Line drawing with wash, 57 x 40cm Scale 1":1'
3/39 by	-	Plan & Elevations of a Hydrostatic Squeezing Press invented and made	Joseph Bramah, London

Line drawing with wash, 37 x 61cm  
No scale

3/40 - Hydraulic Dry Dock  
Line drawing, part with wash, 65 x  
164cm  
No scale

3/41 - ---- as above ----  
Line drawing, part with wash, 62.5  
x 93cm  
No scale

3/42 - Cotton Presses  
Line drawing with wash, 54.5 x  
70.5cm  
Scale 1":2'

3/43 - Cotton Press  
Line drawing with wash, 100.5 x  
68cm  
Scale 1":1'

3/44 - Cotton Presses  
Line drawing with wash, 101 x  
68.5cm  
Scale 1":2'

**Volume 4**

4/1 - Design for a Bridge over Haslar Lake  
Line drawing with wash, 55 x  
124.5cm  
Scale 1":16"

4/2 - ----- as above -----  
Line drawing with wash, 45 x 63cm  
Scale 1":ca64"

4/3 - Bridge, Haslar Lake  
Detail of No.2 Tower  
Line drawing with wash, 68 x  
102.5cm  
Scale 1":2'

4/4 - ---- as above ----  
Detail of Suspension Chains  
Line drawing with wash, 65 x  
97.5cm  
Scale 1":4"

4/5 - ---- as above ----  
Detail of Cornice and Railing etc  
Line drawing with wash, 64.5 x  
97cm  
Scale 1":8"

4/6	-	Suspension Bridge over the Thames at Hammersmith Line drawing with wash, 42.5 x 61.5cm  Scale 1.1":50'; ½":1'
4/7	-	The Norfolk Bridge, New Shoreham built at the expense of the Duke of Norfolk under the direction of William Tierney Clark, civil engineer Lithograph, 42 x 59cm No scale
4/8	-	Bridge, Paine's Hill, Cobham Line drawing with wash, 60.5 x 92.5cm  Scale 1":6'
4/9	-	Bridge, Marlow Line drawing with wash, 58.5 x 92.5cm  Scale 1":ca16.5'
4/10	-	Bridge, Hazlar Lake Section of Bridge with Wood Flooring and Balustrade Line drawing with wash, 65.5 x 97.5cm  Scale 1":16"
4/11	-	Bridge, Marlow Line drawing with wash, with pencil additions,  75 x 128cm No scale
4/12	-	Bridge, Sheffield Line drawing with wash, 94 x 63.5cm Scale 1":1'
4/13	-	Bridge, St Kath's Docks Line drawing with wash, 67 x 119.5cm  Scale 1":32"
4/14	-	Bridge, London Docks Line drawing, part with wash, 61 x 90.5cm  No scale
4/15	183-	Swing Bridge for the Gunwharf at Portsmouth  Line drawing with wash, 64.5 x 98cm,  [datable to reign of William IV] Scale 1":16"
4/16	-	----- as above -----

-			Line drawing with wash, 63.5 x
96.5cm			Scale 1":16"; 1":4"
4/17	-	Drawbridge for Stoke Gateway, Gosport Fortifications	Line drawing with wash, 66 x
115.5cm			No scale
4/18	-	Designs for a Bridge over Paine's Hill,	Cobham Line drawing with wash, 45.5 x
60.5cm			Scale 1":6'
4/19	-	Bridge, Greenhithe	Line drawing, with pencil addition, 48 x 63.5cm No scale
4/20	-	Bridge, Mr Evans	Line drawing with wash, 63 x 69.5cm Scale 1½":8'
4/21	-	Detail of Girder Bridge, Mr Evans	Line drawing with wash, 58.5 x
96.5cm			Scale 1":6"
4/22	1835	Bridge proposed to be erected over the Cam at Cambridge	Line drawing, 62.5 x 96.5cm Scale 1":4'
4/23	-	Norwich and Lowestoff [sic] Navigation Works at Mutford Bridge	Line drawing, part with wash,
49.5 x 61.5cm			Scale 1":32'
4/24	-	----- as above ----- Works at Mutford Bridge	Line drawing, part with wash,
45.5 x 61.5cm			Scale 1":16'
4/25	-	----- as above ----- Works at Mutford Bridge	Line drawing, part with wash, 45
x 61.5cm			Scale 1":16'; 1":3'
4/26	-	Waterhouse Bridge over the River Calder	near Huddersfield, Yorks

Lithograph, H Baker after Col. W  
Gravatt, 42 x 58cm  
No scale

- 4/27 - Timber Bridge as built over the River  
Ayr at Leeds  
Line drawing, part with wash, 61.5  
x 94cm  
Scale 1":6'
- 4/28 - St Katharine's Docks  
Middle  
No.1: Elevations of Lower and  
Gates of Entrance Lock, etc  
Line drawing with wash, 68.5 x  
125cm  
Scale 1":2'; 1½":1'
- 4/29 - ----- as above -----  
Entrances, etc  
No.2: Elevations of Upper Gates of  
Entrance Lock and of Interior  
Line drawing with wash, 69 x  
124.5cm  
Scale 1":2'; 1½":1'
- 4/30 - ----- as above -----  
No.3: Machinery for Opening and  
Shutting Sluices; Anchor for the  
Collar of Heel Post, etc  
Line drawing with wash, 70.5 x  
123.5cm  
Scale 1":10"; 1":7"
- 4/31 - ----- as above -----  
No.4: Section of Lock Walls with  
Chain Tunnel and Method of  
Opening and Shutting the Gates  
Line drawing with wash, 68.5 x  
124cm  
Scale 1":2'
- 4/32 - Sewer Gates, King's College Pond Sewer  
Line drawing, 64 x 94cm  
No scale
- 4/33 - Dock Gates, Llangreneck Navigation  
Line drawing, 65 x 96.5cm  
No scale
- 4/34 - ----- as above -----  
Line drawing, 64.5 x 66cm  
No scale
- 4/35 - Ground plan of river [and surrounding  
area] at Littlebro  
Line drawing with wash, 63.5 x 97cm  
No scale

4/36	-	Norwich and Lowestoff [sic] Navigation Works at Mutford Bridge Line drawing with wash, 62.5 x 94.5cm Scale 1":1'; 1":4'; 1":6'
4/37 Engine	-	Elevations of Mr Thompson's Pile Line drawing with wash, 56 x 70.5cm Scale 1":2'
4/38	-	Pile Extractor Line drawing with wash, 97 x 65.5cm Scale 1":8"
4/39	-	----- " ----- Line drawing with wash, 62.5 x 95.5cm Scale 1":8"
4/40	-	Littleborough Bridge Line drawing with wash, 72.5 x 125cm No scale

**Volume 5**

5/1	-	Tree Pulling Machine Line drawing, part with wash, 70 x 107cm Scale 1":6"
5/2	-	Grubbing Machine Line drawing with wash, 69 x 127.5cm Scale 1":1'
5/3	-	Tree Pulling Machine Line drawing with wash, 56 x 94.5cm No scale
5/4	-	Opifex Line drawing, part with wash, 60 x 95cm No scale
5/5	-	-- " -- Line drawing with wash, 63 x 96cm No scale
5/6	-	-- " -- Line drawing with wash, 59.5 x 76.5cm Scale 1":16"; 1":4"
5/7	-	Opifex, Monsieur Mary

			Line drawing with wash, 58 x 87cm Scale 1":4"; 6":1'; 1":16"
5/8	-	----- " -----	
116.5cm		Line drawing with wash, 60 x	
		Scale 1":4"	
5/9	-	Bolt drawing engine, Messrs Brown &	
Brind		Line drawing with wash, 62.5 x	
119.5cm		Scale 1":1'	
5/10	-	Elevation & Plan of the Hydro-	
mechanical		Apparatus for proving the strength of Anchors & Cables invented & constructed by Josh. Bramah & Sons, Engineers & Machinists, Pimlico & Piccadilly	
		Line drawing with wash, 63.5 x 91cm Scale 1":32"	
5/11	-	----- as above -----	
--		Line drawing with wash, 72 x	
155.5cm		Scale 1":16"	
5/12	-	Anchor & Cable proving Machine	
		Line drawing, 71.5 x 128.5cm Scale 1":8"	
5/13	-	----- as above -----	
122.5cm		Line drawing with wash, 65.5 x	
		Scale 1":1'	
5/14	-	Elevation and Plan of Chain-Cable Proving Machine as made and erected at The Woolwich Dockyard by Josh. Bramah & Sons	
x 96cm		Line drawing, part with wash, 63.5	
		Scale 1":4'	
5/15	1833 Apr 24	Copy of Mr Gooderick's Drawings of a Machine for proving Chain Cables,	
Woolwich		Line drawing, 60.5 x 93.5cm Scale 1":1'	
5/16	-	Chain Cable proving Machine, Woolwich	
		Line drawing, 69.5 x 122cm No scale	
5/17	1834 Jan	Pipe Proving Machine, London Gas Light	

		Company
		Line drawing, 62.5 x 95.5cm
		Scale 1":8"
5/18	-	Dredging Machine
		Line drawing with wash, 62.5 x 91cm
		Scale 1":32"
5/19	-	Windlass
		Line drawing with wash, 49 x 65cm
		Scale 1":1'
5/20	-	Double Power Crabb
		Line drawing with wash, 62.5 x 96cm
		Scale 1":4"
5/21	-	---- as above ----
		Line drawing with wash, 61 x 95.5cm
		Scale 1":4"
5/22	-	Single Power Crabb
		Line drawing with wash, 60.5 x 94cm
		Scale 1":4"
5/23	-	Lowering Crabb for Duke of Rutland's
		Mausoleum, Belvoir Castle
		Line drawing with wash, 66 x 60.5cm
		Scale 1":4"
5/24	-	Single Power Crabb
		Line drawing with wash, 46 x 69cm
		Scale 1":4"
5/25	-	Windlass
		Line drawing with wash, 58 x 83cm
		Scale 1":8"
5/26	-	Double purchase Crabb, Mr Wilkins
		Line drawing with wash, 63.5 x 96cm
		Scale 1":6"(hor); 1":8"(ver)
5/27	-	Elevating Apparatus, Alliance Fire
Office		
		Line drawing, 53.5 x 69cm
		Scale 1":8"
5/28	-	Capstan, St Kath's Docks
		Line drawing with wash, 56 x 62.5cm
		Scale 1":8"
5/29}		[not on contents list]
5/30}		
5/31	-	Front & End Elevations of Mr Rennie's
Plymouth		Crane for the Break Water at
		Line drawing with wash, 43.5 x

53.5cm			Scale 1":2"
5/32	-	Crane, Grosvenor Wharf	
67cm		Line drawing, part with wash, 129 x	
			Scale 1":8"
5/33	-	----- as above -----	
x 97.5cm		Line drawing, part with wash, 136.5	
			Scale 1":8"
5/34	-	Crane with fixed post, to raise 5 tons	
- Mr Brunton		Line drawing with wash, 60.5 x 91cm	
			Scale 1":1'
5/35	-	Crane, Mr Lloyd	
69.5cm		Line drawing with wash, 52.5 x	
			Scale 1":1'
5/36	-	Hydraulic Crane	
		Line drawing with wash, 92.5 x 63cm	
			Scale 1":1'
5/37?	-	Crane, Messrs Bennent & Hunt	
		Line drawing, 63.5 x 95.5cm	
			Scale 1":16"
5/38	-	Crane, Messrs Lambert & Chapman	
		Line drawing with wash, 62 x 94.5cm	
			Scale 1":16"
5/39	-	Crane, Mr Lloyd	
		Line drawing with wash, 63 x 95cm	
			Scale 1":16"
5/40	-	Crane, St Kathns Docks. J Bramah &	
Sons,		Pimlico	
x 102cm		Line drawing, part with wash, 71.5	
			Scale 1":16"
5/41	-	----- as above -----	
--		Line drawing, part with wash, 71.5	
x 130cm			Scale 1":8"
5/42	-	----- as above -----	
--		Line drawing, part with wash, 122 x	
72.5cm			Scale 1":8"

5/43	-	----- as above -----
--		
x 93cm		Line drawing, part with wash, 60.5
		Scale 1":8"
5/44	-	----- as above -----
--		
129.5cm		Line drawing with wash, 71 x
		Scale 1":2'
5/45	-	----- as above -----
--		
x 94.5cm		Line drawing, part with wash, 63.5
		Scale 1":16"
5/46	-	----- as above -----
--		
x 62cm		Line drawing, part with wash, 94.5
		Scale 1":8"
5/47	-	----- as above -----
--		
95cm		Line drawing, part with wash, 65 x
		Scale 1":16"
5/48	-	Crane, Messrs Swards
		Line drawing, 63 x 94cm
		Scale 1":16"
5/49	1827 Jun 25	Crane in general use at Manchester
		Line drawing with wash, 44 x 57cm
		Scale 1":16"
5/50	-	Crane, Mr White [ <u>wanting</u> ]
<b>Volume 6</b>		
6/1	1833 Jul	South Metropolitan Gas Works
		Purifiers
x 70.5cm		Line drawing, part with wash, 63
		Scale 1":2'
6/2	1833 Jul	----- as above -----
		Condensers
x 92.5cm		Line drawing, part with wash, 63
		Scale 1":16"
6/3	-	Dry Lime Purifier and Receiver for
		Brentford Gas Works
		Line drawing, 63 x 95cm
		Scale 1":8"

6/4	-	South Metropolitan Gas Works
x 94.5cm		Line drawing, part with wash, 60.5
		No scale
6/5	-	Gas Works, Mr Winsor
		Line drawing, part with wash, 89 x
		59.5cm
		Scale 1":16"
6/6	-	----- as above -----
55cm		Line drawing, part with wash, 70 x
		No scale
6/7	-	----- as above -----
		Line drawing with wash, 55 x 70.5cm
		Scale 1":16"
6/8	-	Gas Works, Chelsea Water Works
		Line drawing with wash, 44.5 x 66cm
		No scale
6/9	-	Gas Pump, Manchester Portable [Gas
Company]		Line drawing, part with wash, 67.5
x 114.5cm		Scale 1":1'
6/10	-	----- as above -----
--		Line drawing, part with wash, with
		pencil additions, 60 x 93cm
		Scale 2":1'
6/11	-	Gas Pump, London Portable [Gas
Company]		Line drawing, part with wash, 68.5
x 101cm		Scale 1":1'
6/12	1821 Jun 2	5½ins Gas Pumps as made for Mr Caslons
		Line drawing, 62 x 95cm
		Scale 1":4"
6/13	-	Gas Pump, London Portable [Gas
Company]		Line drawing with wash, 34 x 48.5cm
		No scale
6/14	-	----- as above -----
-		Line drawing, part with wash, 62.5
		x 59cm
		Scale 1":4"
6/15	-	Gas Pump, diagram [graph]

Ink, 69 x 61.5cm

6/16	-	Regulating Cock, Brick Lane Gas Works Line drawing, part with wash, 46 x 52cm	No scale
6/17	-	Mercurial Gauge Line drawing, part with wash, 114.5 x 61.5cm	No scale
6/18 Company]	-	Gas Pump, London Portable [Gas Line drawing, 57 x 93cm No scale	
6/19	1827 Jun 20	Safety Valve for the Portable Gas Company's Stations (the first made upon this plan Nov 1824) Line drawing with wash, 56 x 55.5cm No scale	
6/20	-	Gas Works, Portable [Gas Company] Line drawing, part with wash, 91.5 x 62.5cm	Scale 1":3"
6/21	-	----- as above ----- Line drawing, part with wash, 68.5 x 51.5cm	Scale 1":3"
6/22	-	----- as above ----- Line drawing, 68 x 63cm Scale 1":3"	
6/23	-	----- as above ----- Line drawing, part with wash, 87 x 60cm	Scale 1":3"
6/24	-	Proposed Pressure gauge (by column of Mercury) for Manchester Portable Gas Company Line drawing, part with wash, 129 x 63.5cm	No scale
6/25	1813	Plan & Elevations of a Machine for making Soda Water made by J Bramah & Son Line drawing, part with wash, 95.5 x 64cm	Scale 3":1'
6/26	-	Plan & Elevations of an Improved Soda	

		Water Machine made by J Bramah & Son, London Line drawing with wash, 63.5 x 67cm Scale 1":8"
6/27	1835	Mixing Vessel for Soda Water Machine Line drawing with wash, 63.5 x 96.5cm Scale 1":2"
6/28	-	Soda Water Machine Line drawing, 74 x 124cm Scale 1":4"(hor); 1½":ca7"(ver)

**Volume 7**

7/1	-	Elevation and Plan of a proposed Improvement for raising Water & working the Machinery of Lime apparatus at the Gas Light and Coke Company's Station in Peter Street, Westminster by J Bramah & Sons, Engineers, London Line drawing with wash, 72.5 x 91cm Scale 1":2'
7/2	-	Steam Engine, Gas Works, Peter St, Westminster Line drawing with wash, 60 x 81cm Scale 1":2'
7/3	1835 Jun 30	1HP Steam Engine, Factory, by Messrs Bramah & Sons Line drawing, part with wash, 71.5 x 112cm Scale 1":4"
7/4	-	Steam Engine Line drawing, part with wash, 77.5 x 64cm Scale 1":16"
7/5	-	---- " ----- Line drawing, 63.5 x 96cm No scale
7/6	-	Steam Engine, Duke of Tuscany Line drawing, 63 x 97cm Scale 1":6"
7/7	-	Steam Engine Line drawing, 60 x 70cm Scale 1":4"
7/8	-	Steam Engine, Duke of Tuscany

			Line drawing, part with wash, 45.5
x 56.5cm			Scale 1":1'
7/9	-		Steam Engine Line drawing with wash, 60 x 92.5cm No scale
7/10	1821/2? Jan 26	---- " -----	Line drawing, part with wash, 70 x 114.5cm Scale 1":6"
7/11 Milliet	1830 Sept		4HP high pressure Steam Engine, Mr Line drawing, 60 x 95.5cm Scale 1":16"
7/12	-		Steam Engine, Duke of Tuscany Line drawing, 55 x 90cm No scale
7/13	-		1HP Steam Engine, Factory Line drawing with wash, 61 x 94cm No scale
7/14	-		Boiler for Steam Engine Line drawing with wash, 63 x 96cm Scale 1":2'
7/15	-	----- as above -----	Line drawing with wash, 58.5 x 96cm Scale 1":2'
7/16 for Mr Milliet	-		Evaporating Boiler for Steam Engine Line drawing, part with wash, 62.5 x 95.5cm Scale 1":1'
7/17	-		Steam Engine Boiler for Mr Milliet Line drawing, part with wash, 62.5 x 94.5cm Scale 1":1'
7/18	-		Boiler for Steam Engine, Mr Danker Line drawing, part with wash, 49.5 x 66cm Scale 1":1'
7/19	1826 May 20		Boiler for a 2HP Steam Engine as sent to Florence for Messrs Prevot and Compy (for Duke of Tuscany) Line drawing with wash, 62.5 x 95cm Scale 1":8"
7/20	-		16HP Steam Engine Boiler Line drawing, part with wash, 50 x

55cm  
Scale ½":1'

7/21 - Elevations, Plans and Sections of  
Steam Engine Boiler for Mr Danker, Paris  
Line drawing with wash, 46 x 57cm  
Scale 1":2'

7/22 1832 Geometrical Elevation of a Steam  
Carriage designed by G H Palmer and  
executed by Josh. Bramah and Sons  
Line drawing with wash, 67.5 x  
113cm  
Scale 1":4"

7/23 - Comet Steam Vessel's dimensions  
Line drawing, 49.5 x 95cm  
Scale 1":4'

7/24 - Construction draught, *Sir Francis*  
*Drake*  
Line drawing, 60.5 x 97.5cm  
Scale 1":4'

7/25 - [Ship construction lines]  
Line drawing, 62.5 x 88.5cm  
Scale 1":2'

7/26 - Marine Engine  
Line drawing, 52 x 66cm  
Scale 1":1'

7/27 - ----- " -----  
Line drawing, part with wash, 57.5  
x 89cm  
Scale 1":5"

7/28 - Elevation of Messrs Boulton & Watt's  
Boat Engine  
Line drawing, 59.5 x 81cm  
Scale 1":5"

7/29 - ----- as above -----  
Line drawing, 58.5 x 91cm  
Scale 1":5"

7/30 - Steam Boat Paddles  
Line drawing, part with wash, 52.5  
x 120.5cm  
Scale 1":1'

7/31 - Marine Boiler  
Line drawing with wash, 60.5 x 96cm  
Scale 1":16"

8/1	1832 Apr 28	Donkin's Improved Sluice for Water Wheels Line drawing with wash, 63 x 96.5cm Scale 1":2'
8/2 [ground	-	Services Water Works, York House plan] Line drawing with wash, 66 x 56cm Scale 1":1'
8/3	1829 May	Fountain, T A Smith No.4 Line drawing with wash, 62.5 x 61.5cm Scale 1":16"
8/4	-	Tanks for Garden & Stable for Sir H Goodricke, Clermont Lodge, Norfolk Line drawing with wash, 47 x 66.5cm No scale
8/5	1830 May	Proposed arrangement of water works at Addington Palace Wash drawing, 43 x 62.5cm No scale
8/6	-	Hydraulic Ram. J Bramah & Sons Line drawing with wash, 46 x 60.5cm No scale
8/7	-	Filtering Tank made for Sir Coutts Trotter at Brandsbury House near Willesden Line drawing with wash, 55.5 x 49cm Scale 1":16"
8/8	-	23ins Stop Back Valve, Lambeth Water Works Line drawing, part with wash, 42 x 53.5cm Scale 1":8"
8/9	1827 Oct 25	6ins 3-barrel'd Forcing (Well) Engine for Reading Waterworks Line drawing, part with wash, 58.5 x 61cm No scale
8/10	-	Well Engine, Messrs Maudslay Line drawing with wash, 60.5 x 95cm Scale 1":32"
8/11	-	Well Engine Line drawing with wash, 72.5 x 51cm Scale 1":8"
8/12	-	---- " ---- Line drawing with wash, 60 x 66.5cm

			Scale 1":1'
8/13	-	Double Hand Well Engine, Mr Parkes	
x 95.5cm		Line drawing, part with wash, 64.5	
			Scale 1":8"
8/14	-	Well Engine	
		Line drawing with wash, 67 x 51cm	
		No scale	
8/15	-	Hand Well Engine	
		Line drawing with wash, 44 x 59cm	
		Scale 1":8"	
8/16	-	Well Engine	
		Line drawing with wash, 52 x 34cm	
		No scale	
8/17	1821 Oct 13	Engine House, Sir John Lubbock	
		Line drawing with wash, 91.5 x 55cm	
		Scale 1":2'	
8/18	1826 Dec 28	3½ins three-barrel'd	
Engine, Length of		stroke 10ins, as made for	
Huntingdon		Tread Mill	
		Line drawing, part with wash, 58 x	
92cm		Scale 1":4"	
8/19	-	Pumping Engine, Messrs Smith & Meynier	
56cm		Line drawing, part with wash, 60 x	
		Scale 1":1'	
8/20	-	Pumping Engine for draining a mine.	
America		Messrs Ellis and Compy. South	
		Line drawing with wash, 97.5 x	
64.5cm		Scale 1":8"; 1":4'	
8/21	-	Elevation and Plan of an Engine for	
		raising water for the supply of	
		the Royal Hospital of Bethlem,	
		London by order of Philip Hardwick	
		by J Bramah & Sons, Engineers	
84.5cm		Line drawing with wash, 57 x	
		No scale	
8/23*	-	Horse Engine [T Harman?]	
121.5cm		Line drawing, part with wash, 67 x	
		Scale 1":16"	

8/23*	-	Horse Engine, T Harman Line drawing, part with wash, 61.5 x 87cm Scale 1":2'
8/24	-	Horse Engine Line drawing, part with wash, 55 x 82.5cm Scale ½":1'
8/25	1835 Jan	Horse Engine made for Rev Mr Keene May 1834 Line drawing, 63 x 96cm Scale 1":8"
8/26	-	Horse Engine, Sir John Lubbock Line drawing with wash, 52.5 x 43.5cm Scale 1":4'
8/27	-	Horse Engine Line drawing, part with wash, 60 x 46cm Scale ½":1'
8/28	-	---- " ---- Line drawing with wash, 52 x 71cm Scale 1":1'
8/29	-	---- " ---- Line drawing with wash, 82 x 53.5cm Scale 1":16"
8/30	-	Water Wheels, Lord Cavendish Line drawing, part with wash, 79.5 x 133cm Scale 1":8"
8/31	-	Water Wheels, Sir Robert Harland Line drawing with wash, 60.5 x 92cm Scale 1":1'
8/32	-	Water Wheel Engine, W Cooper, Pains Hill No.1 Line drawing, 62.5 x 95cm Scale 1":16"
8/33	-	----- as above ----- -- No.2 Line drawing, part with wash, 64.5 x 98cm Scale 1":16"
8/34	-	----- as above ----- --

No.3  
Line drawing, 72 x 127cm  
Scale 1":6"

8/35        -        ----- as above -----  
--

No.4  
Line drawing, 64.5 x 95.5cm  
Scale 1":6"

8/36        -        Water Wheel, W Cooper, Pains Hill  
                  No.5  
                  Line drawing, 63.5 x 96cm  
                  Scale 1":1'

8/37        -        ----- as above -----  
                  No.6  
                  Line drawing, 71.5 x 126cm  
                  Scale 1":6"

8/38        -        ----- as above -----  
                  No.7  
                  Line drawing, 63.5 x 70cm  
                  Scale 1":2'

8/39        -        ----- as above -----  
                  No.8  
                  Line drawing, 63.5 x 95.5cm  
                  Scale 1":6"

\* Two drawings bear the number [8/] 23

**Volume 9**

9/1        -        Press Pump  
                  No.1  
                  Line drawing, 65.5 x 98.5cm  
                  No scale

9/2        -        --- " ----  
                  No.2  
                  Line drawing with wash, 65 x  
97.5cm  
                  No scale

9/3        -        --- " ----  
                  Line drawing, 126 x 99cm  
                  No scale

9/4        -        Press Pump, Messrs Brown & Brind  
                  Line drawing, part with wash, 92.5  
x 60.5cm  
                  Scale 1":4"

9/5        -        Press Pump  
                  Line drawing with wash, 53.5 x  
68.5cm

			No scale
9/6	-	---	" ----
95cm			Line drawing, part with wash, 63 x
			No scale
9/7	-		Press Pump, Messrs Loughlan
			Line drawing with wash, 63.5 x 89cm
			Scale 1":4"
9/8	-		Press Pump. Sections of Septilateral
Cock			
32.5cm			Line drawing with wash, 42.5 x
			No scale
9/9	1804 Nov 10		Press Pump. Plan and Section of Stop
			Cock
			Line drawing with wash, 37 x 30cm
			No scale
9/10	-		Press Pump
			Line drawing with wash, 49.5 x 61cm
			Scale 1":6"
9/11	-		Elevations & Plan of Lifting Pump for
			the Spa Wells at Bellinahinch to
			the order of David Ker by J Bramah
			& Son, London
			Line drawing with wash, 48.5 x 49cm
			No scale
9/12	-		Lifting Pump
x 67.5cm			Line drawing, part with wash, 63.5
			Scale 1":6"
9/13	1828 Oct & 1835 Mar 24		Hot Liquor Lifting Pump, Mr Spiller
			Line drawing, 63 x 70.5cm
			No scale
9/14	-		Lifting Pump
62.5cm			Line drawing with wash, 107.5 x
			Scale 1":1'
9/15	-		Fire Engine, Liverpool Market
			Line drawing with wash, 62 x 82.5cm
			Scale 1":2'
9/16	1832 Mar 1		Fire Engine as made for the Honourable
			East India Company
			Sixth size
93cm			Line drawing with wash, 60.5 x
			No scale

9/17	1832 Mar	----- as above ----- Line drawing, part with wash, 57 x 90cm Scale 1½":1'
9/18	1832 Mar 1	----- as above ----- Fourth size Line drawing with wash, 60.5 x 92.5cm No scale
9/19	1832 Mar	----- as above ----- Line drawing, part with wash, 57.5 x 93.5cm Scale 1½":1'
9/20	1834 Feb	----- as above ----- Fourth size Line drawing, part with wash, 63 x 96cm Scale 1":4"
9/21	1834 Feb	----- as above ----- Sixth size Line drawing, part with wash, 63 x 95.5cm Scale 1":4"
9/22	-	Fire Engine, Factory Line drawing with wash, 63.5 x 99cm Scale 1":8"(hor); 1":7"(ver)
9/23	1822 Jan 21	Barrel (Fire) Engine, Factory Fifth size Line drawing, part with wash, 66.5 x 121.5cm Scale 1":5"
9/24	1814 Apr 14	Fire Engine Line drawing, part with wash, 68.5 x 100cm [bears name J Clement] Scale 1":8"
9/25	-	---- " ---- Line drawing, 66 x 98.5cm Scale 1":4"(hor); 1":10"(ver)
9/26	-	---- " ---- Line drawing, part with wash, 56.5 x 89cm Scale 1":6"
9/27	-	---- " ---- Line drawing, 60 x 70cm Scale 1":6"
9/28	1823 Jun	Fire Engine, Curtain Road Gas Works Line drawing, 58.5 x 87cm

Scale 1":1'

9/29	-	Fire Engine, Factory Line drawing, 51 x 68cm Scale 1":6"
9/30 Sec-	-	Outline of Elevation, Plan and End tion of Barrack (Fire) Engine Line drawing, 52.5 x 63.5cm Scale 1":8"
9/31	1829 Oct	Fire Engine, Chelsea Hospital Line drawing, part with wash, 47 x 67.5cm Scale 1":4"
9/32	-	Fire Engine, made by Mr Rowntree Line drawing with wash, 46 x 100.5cm Scale 1":1'
9/33 fixed	-	Copy of Drawing of the Ship Engine on board the <i>Cuvera</i> East Indiaman 1 1799 Line drawing with wash, 69 x 99.5cm Scale 1":2'
9/34	1826 Jul 17	Ship Engine Line drawing, 64.5 x 60.5cm Scale 1":4"
9/35	-	Garden Engine Line drawing, part with wash, 69 x 117.5cm No scale
9/36	-	----- " ----- Line drawing, 62.5 x 94cm Scale 1":4"
9/37	-	Pail Pump, Sir John Thorald Line drawing, part with wash, 60 x 68cm Scale 1":2"
9/38	-	M Vaucher's Portable Swiss Engine taken from his own model No.2 Line drawing, part with wash, 63.5 x 95cm No scale
9/39	-	----- as above ----- No.1 Line drawing, 63 x 95.5cm

Scale 6":1'

Volume 10

10/1	-	Planing Machine, Mr Wilson, Russia Line drawing, 84.5 x 133cm Scale 1":1'
10/2	-	----- as above ----- Line drawing, 60 x 88.5cm Scale 1":1'
10/3	-	----- as above ----- Line drawing, 62.5 x 56.5cm Scale 1":1'
10/4	1814 Jul 16	----- as above ----- Line drawing with wash, 49 x 134cm No scale
10/5	-	----- as above ----- End Elevation and general Plan Line drawing with wash, 111.5 x 72cm Scale 1":2"?
10/6	-	----- as above ----- Line drawing, 33 x 51cm Scale 1":1'
10/7	-	Lathe, East India Company Line drawing, 64 x 185cm Scale 1":4"
10/8	-	----- as above ----- Line drawing with wash, 56.5 x 92cm Scale 1":4"
10/9	-	----- as above ----- Line drawing, 58.5 x 92.5cm Scale 1":4"
10/10	-	Circular Saw, East India Company Line drawing, 57 x 93cm Scale 1":4"
10/11	1821 Oct 15	Circular Saw Bench for Messrs Chambers & White Line drawing, 61 x 91cm Scale 1":6"
10/12	-	Saw Machine Line drawing, part with wash, 71.5 x 168cm Scale 1":4"
10/13	-	---- " ---- Line drawing, 71 x 97cm No scale

10/14	1814 Oct 20	---- " ---- Line drawing, 70.5 x 151cm No scale
10/15	-	Sperm Cutting Machine Line drawing, 63 x 92cm Scale 1":4"
10/16	-	----- as above ----- Line drawing, 63 x 83.5cm Scale 1":4"(hor); 1":ca6"(ver)
10/17	-	Tobacco Cutting Engine, Mr Vonderheyde Line drawing, 63 x 54cm Scale 1":8"
10/18	1834 Oct	Improved Racket Motion for Tobacco Cutting Machine, Mr Vonderheyde Line drawing, 63 x 95.5cm Scale full size
10/19	1834 Oct	Plan of Gearing Wheels for Tobacco Cutting Machine, Mr Vonderheyde Line drawing, 63 x 95.5cm Scale full size
10/20	-	Tobacco Cutting Machine, Mr Vonderheyde Line drawing, 65.5 x 93.5cm No scale
10/21	1834 Oct	Knives for Tobacco Cutting Machine, Mr Vonderheyde Line drawing, 63 x 95.5cm Scale full size
10/22	1835	Tobacco Cutting Machine, Mr Vonderheyde Line drawing, 63 x 95.5cm [with affixed flap of 7.5 x 32cm] Scale 1":4"
10/23	-	----- as above ----- Line drawing, 66.5 x 96.5cm No scale
10/24	-	Mangel Wurzel Machine Line drawing with wash, 70.5 x 94cm Scale 1":4"(hor); 1":8"(ver)
10/25	1828 Dec 2	Detach'd part of a Glazier's Vice Line drawing, 45 x 54cm No scale
10/26	1828 Dec 9	Glazier's Vice Line drawing, part with wash, 57.5

x 63cm

No scale

**Volume 11**

11/1	-	Weighing Machine, Mr Davidson Line drawing, part with wash, 125 x 69cm	Scale 1":8"
11/2	-	Weighing Machine, East India Company Line drawing with wash, 63.5 x 84.5cm	No scale
11/3	-	----- as above ----- Line drawing with wash, 61.5 x 94cm No scale	
11/4	-	----- as above ----- Line drawing with wash, 65 x 52cm Scale 1":16"	
11/5	-	Weighing Machine, Factory No.1: Detail Line drawing with wash, 58.5 x 95.5cm	Scale full size
11/6	-	----- as above ----- No.2 Line drawing with wash, 94 x 61cm	Scale full size
11/7	-	----- as above ----- No.3 Line drawing, part with wash, 59 x 93cm	Scale [full size?]
11/8	-	Weighing Machine made by Hutchinson, Sheffield. Factory No.4 Line drawing, part with wash, 58.5 x 81.5cm	Scale 1":1'
11/9	1834 Jul	Five Ton Weigh Bridge, Parish of St George's Line drawing, part with wash, 63.5 x 95.5cm	Scale 1":1'
11/10	1834 Jul	----- as above ----- No.2 Line drawing, part with wash, 63	

x 95.5cm			Scale 1":4"
11/11	1834 Jul	----- as above -----	
		No.3	
95.5 x 63cm		Line drawing, part with wash,	
		Scale 1":4"	
11/12	1834 Jul	----- as above -----	
		No.4	
x 96.5cm		Line drawing, part with wash, 63	
		Scale 1":4"	
11/13	-	Roofs & Girders, Buckingham Palace	
x 72cm		Line drawing, part with wash, 105.5	
		Scale 1":32"	
11/14	-	Compound Truss erected for the Office	
		Floors of the St Katharine Docks	
94.5cm		Line drawing with wash, 60.5 x	
		Scale 1":16"	
11/15	-	Roofs & Girders, St Katharines Docks	
		Line drawing with wash, 60.5 x 85cm	
		Scale 1":6"	
11/16	-	Roofs & Girders, Battersea Saw Mills	
		Line drawing with wash, 63 x 74.5cm	
		Scale 1":2'	
11/17	-	Wrot Iron Double Truss'd Girder for	
the		Roof over the Waterloo Chamber,	
Windsor Castle		Line drawing with wash, 57.5 x	
68.5cm		Scale 1":2'	
11/18	-	Section of the New Roof over the two	
		sides of the Hexagon, General	
		Penitentiary	
		Line drawing with wash, 63.5 x 95cm	
		Scale 1":10"	
11/19	-	Hungerford Market Roof	
		No.2	
69cm		Line drawing with wash, 61.5 x	
		Scale 1":2'	
11/20	-	Diving Bell	
60cm		Line drawing, part with wash, 60 x	
		Scale 1½":1'	

11/21	-	----- " ----- Chain; lens Line drawing, 50.5 x 63.5cm Scale 3":1'; full size
11/22	-	----- " ----- Valve; Wrot Iron Carriage, etc Line drawing, part with wash, 45 x 61cm Scale 3":1'; full size
11/23	1826 Oct	Base Plate & Block for Air Pump to Diving Bell Line drawing, 45 x 63cm Scale 1":2"
11/24	-	Diving Bell Bucket; Double Air Pump Line drawing, part with wash, 51.5 x 60.5cm Scale 3":1'; full size
11/25	-	Diving Bell. Air Pump & Apparatus made for Mr Plinth by Joseph Bramah & Son Line drawing, 40.5 x 69cm Scale 1":8"
11/26	-	Air-Pump for Diving Apparatus for Mr Nimmo Line drawing, 50.5 x 65cm Scale 1":4"
11/27	-	Music Work [piano design], Messrs Broadwood No.1 Line drawing with wash, 64.5 x 95.5cm Scale 1":4"
11/28	-	----- as above ----- -- No.2 Line drawing with wash, 65 x 97.5cm Scale 1":4"
11/29	-	----- as above ----- -- No.3 Line drawing with wash, 64 x 97cm Scale 1":4"
11/30	-	----- as above ----- -- No.4

			Line drawing, 64.5 x 97cm Scale 1":4"
11/31	-	----- as above -----	
--			
		Section at 9ins from straight side	
		Line drawing with wash, 31.5 x	
43.5cm			Scale full size
11/32	-	Lock for Iron Chest as made for Lord	
Palmerston			
		Line drawing, part with wash, 56 x	
70.5cm			Scale 3":1'
11/33	1827 Apr 2	Wrought Iron Door with Cast Iron	
Frame,			
		Bank of England	
		Line drawing, part with wash, 65.5	
x 99.5cm			Scale 1":8"; 2":ca3"
11/34	-	Lock for Iron Chest as made for Lord	
Palmerston			
		Line drawing, 63 x 47.5cm	
		Scale 1":4"	
11/35	-	Sash Lath	
		Line drawing with wash, 26.5 x 97cm	
		No scale	
11/36	-	Improved Pumpdale by Capt C Phillips	
RN			
		Line drawing with wash, 57.5 x	
91.5cm			Scale 1":2'
11/37	-	Pumpdale & Compass, Capt Phillips	
		Line drawing, 60.5 x 93cm	
		No scale	
11/38	-	Improved Conical Wedges for Topmasts	
by			
		Capt C Phillips RN	
		Line drawing with wash, 50.5 x 48cm	
		Scale 1":6"	
11/39	-	Gun Screw, Mr Powell	
		Line drawing, part with wash, 64 x	
97cm			No scale
11/40	1828 May	Deck Light, Earl of Belfast	
		Line drawing, part with wash, 56 x	
87cm			Scale 1":8"

- 11/41 - Skylight over Anatomical Theatre, St George's Hospital  
Line drawing, part with wash, 62 x 96cm  
No scale
- 11/42 - Bedstead & Chair, Messrs Bailey & Co  
Line drawing, 68 x 81.5cm  
Scale 1":4"
- 11/43 - Elevator for chair seat, Bailey & Co  
Line drawing, part with wash, 57.5 x 62cm  
Scale 1":6"
- 11/44 - Turnplate for Railway, Messrs Johnson & Co  
Line drawing with wash, 80 x 58.5cm  
Scale 1":6"
- 11/45 - Observatory Roof, Cambridge  
Line drawing with wash, 54.5 x 48.5cm  
Scale 1":16"
- 11/46 - Sectional Elevation and Plan of an Ice House  
Line drawing with wash, 66 x 45cm  
Scale 1":2'
- 11/47 - Engine House  
Line drawing with wash, 53 x 66.5cm  
Scale 1":2'
- 11/48 - Plan, section & elevations of Bath & Pump House for D Ker, Bellinahinch, Ireland  
Line drawing with wash, 62.5 x 69cm  
Scale 1":4'
- 11/49 - Engine House  
Line drawing with wash, 31 x 63.5cm  
Scale 1":4'
- 11/50 - Plans & Elevation of Bath House for Earl Annesley by Joseph Bramah & Son, London  
Line drawing with wash, 53 x 35.5cm  
Scale ¼":1'
- 11/51 - Elevation, Plan & Section of an Engine House and Reservoir by J Bramah & Son  
Line drawing with wash, 43.5 x 32.5cm  
Scale ¼":1'

11/52	-	Fountain & Closet Line drawing, part with wash, 49.5 x 33.5cm Scale 1":2'
11/53	-	Engine House Line drawing with wash, 27.5 x 29.5cm Scale 1":4'
11/54	-	Blowing Machine for Iron Foundry Fur- naces Line drawing, part with wash, 45 x 63cm Scale 1":6"
11/55	-	Bath Cock Line drawing, part with wash, 58 x 78.5cm No scale
11/55½	-	Coining Apparatus, ....? Boulton & Co Line drawing with wash, 63 x 50.5cm Scale 1":1'
11/56	-	Beer Machine Line drawing with wash, 71 x 125cm Scale 1":2'
11/57	-	Chimney Sweeping Machine Line drawing with wash, 66.5 x 94.5cm No scale
11/58 Mr Milliet	-	Condensing Boxes for Animal Charcoal, Line drawing with wash, 46 x 58.5cm Scale 1":6"
11/59	[1828]	Chart of the Rising and Falling of the Tides at the entrance to the London Docks observed between Oct 3 and Oct 16 1828 Ink, 45 x 62.5cm
11/60	[1828]	Table of Tides observed between Sept 19 and Oct 16 1828 Ink and wash, 56 x 49cm

**Volume 12**

12/1	[1828]	Plan of an Apparatus on the Hot Water Principle for Warming the Conservatory at Windsor Castle erected by J Bramah & Sons in the year 1828
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			Line drawing with wash, 60 x 121cm Scale " :5'
12/2 heating	1829 May 12	Detailed parts of Apparatus for the Orangery at Windsor Castle Line drawing with wash, 61 x 94.5cm Scale 1" :4"	
12/3	1829 Mar 28	Boiler House, Windsor Orangery Line drawing with wash, 82.5 x 60cm Scale 1" :16"	
12/4 62.5cm	-	[----- as above -----] Line drawing with wash, 92.5 x Scale 1" :16"	
12/5	-	Heating Apparatus as executed for St George's Hospital Line drawing with wash, 63.5 x 96cm Scale 1" :8"	
12/6 George's Hospital	-	Boiler for Warming Apparatus, St Line drawing with wash, 62 x 94.5cm Scale 1½" :1'	
12/7 Hospital	1834 Oct	Heating Apparatus, New Westminster Line drawing with wash, 63 x 95.5cm Scale 1" :8'	
12/8 Appara- 95.5cm	1834 Oct	Air Furnace and Boiler, Heating Apparatus, New Westminster Hospital Line drawing with wash, 63.5 x Scale 1" :8"	
12/9 Hospital x 92.5cm	1834	Heating Apparatus, St Thomas's Line drawing, part with wash, 59.5 Scale 1" :8"	
12/10 Surgeons	1836	Heating Apparatus, Royal College of Line drawing with wash, 63 x 95.5cm Scale 1" :8'	
12/11	1835 Oct	Warm Water Heating Apparatus as constructed for the small Museum of the Royal College of Surgeons Line drawing with wash, 96 x 64cm Scale 1" :2'	

12/12	1835 Aug 10	Warming Apparatus for the Theatre, Royal College of Surgeons Line drawing with wash, 61 x 90cm No scale
12/13	-	Heating Apparatus for the Centre Hall etc, National Gallery Line drawing with wash, 95.5 x 63.5cm Scale 1":4'
12/14	-	Plans and Sections of Apparatus for Heating the East Wing of the National Gallery Line drawing with wash, 62 x 96cm Scale 1":5'
12/15	-	Plan and Section of Heating Apparatus for the West Wing of the National Gallery Line drawing with wash, 63.5 x 96.5cm Scale 1":5'
12/16	-	Detail of Boiler for West Wing, National Gallery Line drawing, part with wash, 63 x 93.5cm Scale 1":1'
12/17	1835 Apr 27	Detail of Heating Apparatus for the East and West Wings of the National Gallery Line drawing, part with wash, 62 x 95.5cm Scale 1":4"
12/18	-	Detail of Boiler etc for the East Wing, National Gallery Line drawing, part with wash, 63 x 95.5cm Scale 1":8"
12/19	-	Lower Forcing Houses for His Grace the Archbishop of Canterbury, Addington Palace Line drawing, part with wash, 61 x 93.5cm No scale
12/20	-	Upper Forcing Houses, Addington Palace Line drawing with wash, 61 x 93cm Scale 1":10"

12/21	-	Brick Work to Boilers for Large Hot Houses, Addington Palace Line drawing with wash, 61.5 x 93.5cm Scale 1":8"
12/22	1832 Jun 16	Plan of Ventilation proposed for Hot Houses, Addington Park Line drawing with wash, 63.5 x 78.5cm No scale
12/23	1832 May 31	Ventilators for Back wall of Hot houses, Addington Park Line drawing, part with wash, 45.5 x 60.5cm Scale 1":4"
12/24	-	Heating Apparatus, Mr Kerman, Ghent Line drawing with wash, 63 x 96cm Scale 2":9'
12/25	-	----- as above ----- Line drawing with wash, 61.5 x 93.5cm Scale 1":2'
12/26	-	----- as above ----- Line drawing, part with wash, 44 x 59.5cm Scale 1":ca6'
12/27	-	Boiler for Heating Apparatus for Mr Kerman, Ghent Line drawing, part with wash, 48 x 63cm Scale 1":1'
12/28	-	Boiler for Orangery etc, Mr Kerman, Ghent Line drawing with wash, 44.5 x 62cm Scale 1":1'
12/29	-	Conservatory for Mr Cooper, Pains-Hill Line drawing, part with wash, 65 x 98cm Scale 1":4'
12/30	1832	Heating Apparatus for W Cooper, Pains Hill, Surrey Line drawing with wash, 64.5 x 95cm Scale 1":8"
12/31	-	----- as above ----- Line drawing with wash, 38.5 x 60.5cm Scale 1":2'

12/32	1832 Mar 7	Plans of an Apparatus for Heating with Hot Water Mr Snell's Manufactory, Pimlico No.1 Line drawing with wash, 96 x 63.5cm Scale 1":4'
12/33	-	Plan of Second Floor and Detail of an Apparatus for Heating with Hot Water Mr Snell's Manufactory, Pimlico No.2 Line drawing with wash, 63 x 91.5cm Scale 1":4'
12/34	-	----- as above ----- No.3: Longitudinal Sections Line drawing, part with wash, 95 x 63cm Scale 1":4'
12/35	-	----- as above ----- No.4: Sections Line drawing with wash, 63.5 x 97cm Scale 1":4'
12/36	-	No.5: Steam Apparatus, Mr Snell's Manufactory, Pimlico Line drawing with wash, 62.5 x 96cm Scale 1":1'; 1":16"
12/37	-	Plan and Sections of the Hot Water Boiler, Mr Snell's Manufactory, Pimlico Line drawing, part with wash, 63.5 x 96.5cm Scale 1":1'
12/38	-	Plan of a Steam Apparatus for Warming the Conservatory erected at Syon House, Middx for His Grace the Duke of Northumberland Line drawing, part with wash, 64.5 x 93cm Scale 1":10'
12/39	-	Heating Apparatus, Syon House Line drawing with wash, 89.5 x 63cm Scale 1":1'; 1":6"
12/40	-	----- as above ----- Line drawing with wash, 63 x 92cm Scale 1":2'; full size
12/41	-	Conservatory, Syon House

Sections of Boiler House  
Line drawing with wash, 63.5 x 97cm  
No scale

12/42      1830 Oct 3      Heating Apparatus as constructed for Col. Hicks Beach, Netheravon  
Line drawing with wash, 63 x 93cm  
Scale 1":2'

12/43      -      Heating Apparatus, Col. Beach  
Line drawing with wash, 39.5 x 63cm  
Scale 1":4'

12/44      -      ----- as above -----  
Line drawing with wash, with pencil sketch addition, 42 x 63.5cm  
Scale 1":4'

12/45      -      Boiler etc intended for Conservatory for Col. Beach  
Line drawing with wash, 43.5 x 57cm  
Scale 1":16"

12/46      -      Heating Apparatus, T A Smith  
Line drawing with wash, 63.5 x 69cm  
Scale 1":4'

12/47      -      ----- as above -----  
Line drawing with wash, 51.5 x 66.5cm  
Scale 1":4'

12/48      1830 Mar 3      ----- as above -----  
Boiler House etc  
Line drawing with wash, 58 x 67cm  
Scale 1":16"

12/49      1829 Dec 18      ----- as above -----  
A wrought Iron Boiler with copper Worm pipe and Metal Elbows etc  
Line drawing with wash, 34 x 62.5cm  
Scale 1":6"

12/50      -      Detail of Heating Apparatus for Mr Prater  
Line drawing, part with wash, 58 x 96.5cm  
Scale 1½":1'

12/51      -      Mr Prater's Heating Apparatus [ground plan]  
Line drawing with wash, 51 x 57.5cm  
Scale 1":4'

12/52      -      Heating Apparatus, Mr Prater

			Line drawing with wash, 65 x 87.5cm No scale
12/53	-	Heating Apparatus, Mr Milliet Mode of Setting Rectangular Retorts for Carbonising Bone	Line drawing with wash, 63.5 x 96.5cm  Scale 1":16"
12/54	-	----- as above ----- Air Cockle	Line drawing with wash, 83 x 60cm  Scale 1":1'
12/55	-	Heating Apparatus for Conservatory, G Morant, Farnbro' House, Hants	Line drawing with wash, 60 x 92.5cm Scale 1":2'
12/56 Neeld	-	Heating Apparatus, Forcing House, Mr	Line drawing, part with wash, 61 x 93cm  Scale 1":4'
12/57	-	Steam Apparatus for Pinery	Line drawing with wash, 63 x 95.5cm Scale 1":4'
12/58	-	Heating Apparatus, East India Company	Line drawing with wash, 63 x 95cm Scale 1":8'; 1":1'
12/59 House	-	Steam Apparatus for Pinery: Boiler	Line drawing, 49.5 x 60cm Scale 1":4'
12/60 the Ed-	-	Plan, Sections and Elevation shewing the method of heating Hot Houses for ward Fletcher	Line drawing with wash, 56 x 75cm Scale 1":2'
12/61	-	Heating Apparatus, Mr Deacon	Line drawing with wash, 59.5 x 63cm No scale
12/62 Water or Flues	-	Plan of a Conservatory heated by Hot	Line drawing with wash, 63.5 x 83cm Scale 1":4'

12/63	-	Design for Conservatory Line drawing with wash, 45.5 x 58cm Scale 1":4'
12/64	-	----- as above ----- Line drawing with wash, 45 x 57.5cm Scale 1":4'
12/65	-	----- as above ----- Line drawing with wash, 45.5 x 58cm Scale 1":6'
12/66	-	----- as above ----- Line drawing with wash, 46 x 58cm Scale 1":10'
12/67	-	----- as above ----- Line drawing with wash, 44 x 58cm Scale 1":4'
12/68	-	----- as above ----- Line drawing with wash, 44 x 58cm Scale 1":4'
12/69	-	----- as above ----- Line drawing with wash, 45.5 x 58cm Scale 1":4'
12/70	-	----- as above ----- Line drawing with wash, 46 x 58.5cm Scale 1":4'
12/71	-	----- as above ----- Line drawing with wash, 43.5 x 59.5cm Scale 1":4'
12/72	-	----- as above ----- Line drawing with wash, 47 x 62cm Scale 1":4'
12/73	-	----- as above ----- Line drawing with wash, 44.5 x 59cm Scale 1":4'
12/74	-	----- as above ----- Line drawing with wash, 45.5 x 63cm No scale
12/75	-	----- as above ----- Line drawing, part with wash, 46 x 61.5cm Scale 1":4'
12/76	-	----- as above ----- Line drawing with wash, 42 x 54.5cm Scale 1":5'
12/76½	-	Heating Apparatus, Mr Brisco

Line drawing with wash, 62 x 93cm  
Scale 1":8'

12/77 - Design for Conservatory  
Flues for Greenhouses  
95cm Line drawing with wash, 62.5 x  
Scale 1":4'; 1":4"

### Volume 13

13/1 - 6HP Steam Engine, Bread Factory,  
Cronstadt

13/2 - 10HP Steam Engine, Cloth Factory,  
Skribitsky

13/3 - 8HP Steam Engine, Cloth Factory,  
Krotkoff

13/4 - Saw Frames

13/5 - Cooking Hearth for 450 men with  
apparatus for purifying  
(distilling) saltwater. Chas  
Robinson & Son, Pimlico d, London  
Line drawing with wash, 44 x 62.5cm  
Scale 1":16"

13/6 - 3 lighthouse designs. C Robinson &  
Son, late Bramahs, Engineers,  
Pimlico  
65.5cm Line drawings with wash, 48 x  
Scale 1":12'; 1":8'

13/7 [not on contents list]

13/8 1850 Jun 4 Flour Mill and Biscuit Bakery as  
erected at H M Dockyards Plymouth & Malta.  
James Nasmyth & Co, Bridgewater  
Foundry, nr Manchester  
Line drawing with wash, 98 x 64cm  
Scale 1":8'

13/9 1851 Aug 2 Suspension Bridge Designs. G & G B  
Rennie  
Line drawing with wash, 32 x 92cm  
Scale 1":ca66'

The *Great Britain* Atlantic Steam Ship engravings by J H LeKeux

13/10 - Plate 1: Section at Fore End of  
Engine Room looking aft  
37 x 56cm  
Scale ¼":1'

- 13/11 - Plate 3: Section through centre part of Engine Room looking forward  
37 x 56cm  
Scale  $\frac{1}{4}$ " : 1'
- 13/12 - Plate 22-23: Longitudinal Section thro' Engines and Boilers  
56 x 74.5cm  
Scale  $\frac{1}{4}$ " : 1'
- 13/13 Boilers - Plate 8-9: Section at Fore End of  
56 x 74.5cm  
Scale  $\frac{1}{4}$ " : 1'
- 13/14 - Plate 20-21: Plan of Engine & Boiler Rooms (Upper Deck)  
56 x 74.5cm  
Scale  $\frac{1}{4}$ " : 1'
- 13/15 Boilers - Plate 2: Section at After End of  
37 x 56cm  
Scale  $\frac{1}{4}$ " : 1'
- 13/16 - Plate 4-5: Plans, Elevations & Sections of Cylinder  
56 x 74.5cm  
Scale " : 1'
- 13/17 Cranks - Plate 6-7: Main Driving Shaft and  
56 x 74.5cm  
Scale " : 1'
- 13/18 Rod;  
Air Pump - Plate 10-11: Air Pump Connecting  
Elevation & Plan of Parallel Motion  
56 x 74.5cm  
Scale 1" : 1'
- 13/19 - Plate 12-13: Pistons Rods & Parallel Motion Blocks 56 x 74.5cm  
Scale " : 1'
- 13/20 - Plate 14-15: Section shewing manner of carrying Cargo Deck and disposition of Plate Sleepers in Ship's Bottom. After End  
56 x 74.5cm  
Scale 3" : 1'
- 13/21 of - Plate 16-17: Section at After End  
Vessel shewing Sleepers and

Lower

Cargo Deck  
56 x 74.5cm  
Scale 3":1'

13/22 - Plate 18-19: Upper Cargo Deck -  
Forward, shewing mode of fixing to  
the sides of Vessel  
56 x 74.5cm  
Scale 3":1'

13/23 - Plate 24-25: End Elevation of Screw  
Propeller; Elevation of after End  
of Vessel shewing Screw Propeller  
& Rudder  
56 x 74.5cm  
Scale ½":1'

13/24 }  
13/25 } Plates ? : [wanting]  
13/26 }

13/26a - 8HP Boiler, Krotkoff [wanting]

13/27 - Boiler Setting & Flues for 20HP  
Engine,  
Steiglitz  
Line drawing with wash, 49.5 x  
65.5cm  
Scale 1":2'

13/28 30HP Boiler, Steiglitz [wanting]  
Bridges projected by Rontgen &  
Robinson for the St Petersburg-Warsaw  
Railway.  
Charles Rontgen & Co  
Printed/ink drawings, all 76 x  
139.5cm

13/29 to - Nos.I to V: [Bridges]  
13/33 Scales various

13/34 to - Nos.VI to XI: [Bridge construction]  
13/39 Scales various

13/40 [not on contents list]

13/41[a] 1852 Jan 25 Machine a Dresser les Glaces. Societe  
Seraing J Cockerill, Etablissement de  
[Belgium]  
Line drawing,  
Scale 1":2'

13/41[b] - Machine a Polir les Glaces. Societe J  
Cockerill, Etablissement de Seraing

[Belgium]  
No.2: Elevation  
Line drawing,  
Scale 1":2'

13/42 to [not on contents list]  
13/44

13/45 1851 Mar 18 Plan of Sugar Refinery by Shears &  
Sons, Engineers etc, Bankside, London  
No.1  
Line drawing with wash,  
Scale 1":8'

13/46 1851 Mar 18 ----- as above -----  
--  
No.2  
Line drawing with wash,  
Scale 1":8'

13/[47]\*\* - 12HP Dredging Machine  
Section of Boat and Elevation of  
Machinery; Plan of Engine and  
Boat without the Deck; Elevation;  
Plan  
Line drawing,  
Scale 1":ca9½' (ver) 1":ca3½' (hor);

13/[48]+ - ----- untitled -----  
Line drawing with wash, 21 x 24cm  
No scale

\*\* This drawing bore no number

+ This drawing bore no number nor is it entered on this  
volume's contents list

NB 4 drawings were found at the front of volume 13. Fragile  
and on folded tracing paper, they have been conserved (sealed  
in Melinex) and listed as 13/a-d:

a 1852 Feb Coupe par la machine à vapeur avec les  
pompes et par une des chaudières à  
fournir pour Mr Roentgen & Robinson  
à St. Petersbourg. Fait à  
l'Etablis- sement de la société J. Cockerill à  
Seraing le 25 Février 1852  
Line drawing, part with wash, 25 x  
44cm Scale 1:48

b	1850 Aug 3	[--- untitled ---] / J. Tipping Line drawing with wash, 37.5 x 28.5cm.  Scale 1 1/2" : 1'
c-d	1850 Jun 8	Balk Frame as manufactured by James Nasmyth & Co., Bridgewater Foundry, Manchester. [2 copies, one bearing name 'W. Sykes'] Line drawing, part with wash, 69 x 87cm. [or less] Scale 1" : 1'

**Volume 14**

14/1	1837 May	Horizontal Oil Press, Mr Bridge No.II Line drawing, part with wash, 63.5  x 90cm Scale 3":1'
14/2	-	Oil Press, Mr Bridge Line drawing, part with wash, 63.5 x 90cm  No scale
14/3	1837 Oct 25	12ins Tallow Press, Mr Spiller Line drawing, part with wash, 63 x 95.5cm Scale 1":1'
14/4	1837 Oct 18	10ins Tallow Press Line drawing, part with wash, 63 x 95.5cm Scale 1½":1'
14/5	1837 Nov	12ins Paper Press, Messrs Donkin & Co Line drawing, part with wash, 63 x 95cm  Scale 1":8"
14/6	1837 May 23	12ins Linseed Press for Messrs Garford Line drawing, part with wash, 63 x 96cm  Scale 1":8"
14/7	1837 Jul 11	7ins Cotton Press, Mr Gower Line drawing, part with wash, 63 x 95.5cm  Scale 1":8"
14/8	1837	----- as above ----- Line drawing, part with wash, 63.5 x 96cm  Scale 1":8"

14/9	1837 Feb	Screw Press for Baling Cotton Line drawing with wash, 64 x 96cm Scale 1":8"
14/10	-	Opifex Line drawing with wash, 64.5 x 97cm Scale 1":4"; 1":16"
14/11 Bramah	1837 May	6HP High pressure Steam Engine by and Robinson Line drawing, 63.5 x 96cm Scale 1":8"
14/12 & Robinson	1837 Feb 24	Locomotive Engine, [for GWR?], Bramah  Line drawing with wash, 61 x 90.5cm Scale 1":1'
14/13 x 94cm	-	Boiler for Locomotive Engine Line drawing, part with wash, 61.5  No scale
14/14	1837 Sept 25	Horse Engine and Lead Mill, [Shaw & Caffary?, Lisbon] Line drawing with wash, 63 x 95.5cm Scale 1":1'
14/15	-	Rolls for Tobacco Lead Line drawing with wash, 62 x 95.5cm Scale 1":4"
14/16 67cm	1837 Nov 20	Ingot Moulds for Lead Mill Line drawing, part with wash, 63 x  Scale 1":4"
14/17 etc Bramah	-	Elevations of Machinery for giving motion to Malt-mill Chaff-cutter  for Sir John Lubbock by Joseph  & Sons Line drawing with wash, 45 x 63.5cm Scale 1":32"
14/18 60.5cm	-	Saw Mill Line drawing with wash, 50.5 x  No scale
14/19	-	A Paper Machine made by Mr Haddock of Cork which he stated to be formed entirely in accordance with Instructions received from Mr Perrier of the same City who stated that the

whole Contrivance was explained to him (Perrier) by Joseph Bramah of Piccadilly in the year 1798 or about that time

127cm		Line drawing with wash, 66.5 x No scale
14/20	-	Flax Rollers Line drawing, 67 x 64.5cm Scale 1":3"
14/21	1837 Oct 2	Saw Machine, Mr Cundy Line drawing, 63.5 x 90.5cm Scale 3":1'
14/22	-	Nut Machine, Factory Line drawing with wash, 65 x 67.5cm Scale 3":1'
14/23	1837 Dec 14	Crushing Rolls for Olives Line drawing, 63.5 x 90.5cm Scale 1":4"
14/24	-	Proving Machine for Experimental Iron Beams, Factory. J Bramah & Sons Line drawing with wash, 63 x 94cm Scale 1":8"
14/25	-	Hoisting Machine, Nore Light Line drawing with wash, 94.5 x 63cm Scale 1":8"; 1":2'
14/26	-	----- as above ----- Line drawing with wash, 96 x 63.5cm Scale ½":1'
14/27	-	Roof, Capt. Jebb R.E. Line drawing with wash, 63.5 x 93cm Scale 1":16"
14/28	-	Ship Packing Screws for Cotton Bales Line drawing, part with wash, 62.5 x 92.5cm Scale 1":4"
14/29 West-	1838 Jan	Rollers, Wheels & Axles for Great ern Railway Line drawing, part with wash, 64 x 95.5cm Scale 1":4"
14/30	1837 Jun	9 tons Crane, Mr Stobbes Line drawing with wash, 63 x 95cm Scale 1":1'
14/31	1837 Jun	Portable Crane, East India Docks

		Line drawing, part with wash, 62.5
x 95cm		Scale 1":8"
14/32	1837	----- as above ----- Line drawing with wash, 63 x 95.5cm Scale 1½":1'; 3":1'
14/33	1837 Nov 8	2 ton crane proposed for East India Docks Line drawing with wash, 82 x 64.5cm Scale 1":1'
14/34	1837	Balloon Fire Engine, third size Line drawing, part with wash, 63 x 95cm Scale 1":4"
14/35	1837 Aug 17	Balloon Fire Engine, 6th size Line drawing, part with wash, 63 x 98cm Scale 1":4"
14/36	1837 Aug 5	----- as above ----- Line drawing, part with wash, 63.5 x 97.5cm Scale [1":4"]
14/37	1813 Mar 17	Fire Engine for Mr Thompson Line drawing, 42 x 58cm No scale
14/38	-	Garden Engine Line drawing, part with wash, 63 x 95.5cm No scale
14/39	-	Hand Well Engine Line drawing, part with wash, 49.5 x 59.5cm Scale 1":1'
14/40	-	Horse Engine, Mr Marjoribanks Line drawing, 65 x 99.5cm
14/41	1837 Jul 27	Horse Engine for C Marjoribanks, Bushey Pimlico Grove, Herts. Bramah & Robinson, Line drawing with wash, 63 x 95.5cm Scale 1":4'
14/42	1837 Sept 23	Horse Engine, Mr Marjoribanks Line drawing, part with wash, 66 x 58cm Scale 1":1'
14/43	1837	Tank, Messrs Ramsbottom & Co, Broad

St,

Golden Sq  
Line drawing with wash, 49 x 53cm  
Scale 1":5'; 3":5'

- |       |              |                                                                                                                                                      |
|-------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| 14/44 | 1837 Sept 18 | Plan proposed for heating the long<br>Room<br>of the St Katharine Docks House.<br>Bramah & Robinson<br>Line drawing, 63 x 96cm<br>Scale ¼":1'; ½":1' |
| 14/45 | -            | Plan & Section of Heating Apparatus,<br>Regent St Gallery<br>Line drawing with wash, 63 x 96cm<br>Scale 1":4'                                        |
| 14/46 | 1837 Nov     | Heating Apparatus, Law Courts, Ipswich<br>Line drawing with wash, 63 x 97.5cm<br>Scale 1":40"                                                        |
| 14/47 | 1837 May     | Heating Apparatus, Albury Chapel<br>H[enr]y Drummond<br>Line drawing with wash, 56 x 70cm<br>Scale 1½":10'                                           |
| 14/48 | 1837 Jul 22  | Warm Air Apertures for Passage & Wards<br>for Hanwell Lunatic Asylum<br>Line drawing with wash, 59.5 x<br>39.5cm<br>Scale 1":1'                      |
| 14/49 | -            | 2nd Vertical Patent Boiler for Messrs<br>Bramah & Robinson's Manufactory,<br>Pimlico<br>Line drawing, part with wash, 95.5<br>x 63cm<br>Scale 1":6"  |
| 14/50 | -            | Patent Boilers for Manufactory, Messrs<br>Bramah & Robinson<br>Line drawing, part with wash, 63 x<br>95.5cm<br>Scale 1":1'                           |
| 14/51 | -            | Patent 6HP Vertical Boiler<br>Line drawing, part with wash, 95.5<br>x 63cm<br>Scale 1":6"                                                            |
| 14/52 | 1837 Sept 5  | Patent Boiler, Mr Ormrod [10HP Boiler,<br>Mr Spiller's Patent]<br>Line drawing, part with wash, 66 x<br>99cm<br>Scale 3":1'; full size               |
| 14/53 | 1837 Sept 5  | 10HP Patent Boiler<br>Line drawing, part with wash, 99 x                                                                                             |

66.5cm			Scale 3":1'
14/54	1837 Oct 19	8HP Patent Boiler	Line drawing, part with wash, 96 x
63.5cm			Scale 3":1'
14/55	1837 Oct 21	--- as above ----	Line drawing, part with wash, 96 x
63.5cm			Scale 3":1'
14/56	1837 Aug 4	Patent Boiler, Warming Apparatus, Han- well Lunatic Asylum	Line drawing, part with wash, 91.5 x 58cm Scale 1":6"
14/57	-	Patent Boiler, Mr Donkin	Line drawing, part with wash, 96 x
63cm			Scale 1":6"
14/58	1837 Aug	Patent Boiler, Donkin & Co	Line drawing, 95 x 63cm Scale 1":6"
14/59	1837 Sept 1	100HP Patent Boiler	Line drawing, 63.5 x 96cm Scale 1":1'
14/60	1837 Aug 26	---- as above ----	Line drawing, part with wash, 63.5
x 96cm			Scale 1":1'
14/61	1837 Nov 4	30HP Patent Boiler	Line drawing, part with wash, 63.5
x 59cm			Scale 1½":1'
14/62	1837 Oct 31	---- as above ----	Line drawing, part with wash, 63.5
x 65cm			Scale 1½":1'
14/63	1837 Nov 11	---- as above ----	Line drawing, part with wash, 63.5
x 67cm			Scale 1½":1'
14/64	1837 Dec 15	80HP Patent Locomotive Boiler	Line drawing, part with wash, 64 x
96cm			Scale 1½":1'

14/65	1838 Jan 4	Palmer's Patent Boiler Line drawing, part with wash, 63 x 96cm Scale 1½":1'
14/66	1837 Mar 23	Boiler for Reid's 6HP Steam Engine Line drawing, 64.5 x 100cm Scale 1":1'
14/67 Heat-	1837 Dec	Proposed Plan of Patent Boiler for ing Apparatus Line drawing with wash, 63 x 95.5cm Scale 1":8"
14/68 crosses Sections 179.5cm	-	Plan of Canal & Grounds, Lord Orkney [where Great Western Railway the Thames in Taplow Parish] and Line drawing with wash, 65 x Scale 1":2ch(hor); 1":10'(ver)
14/69	-	----- as above ----- Line drawing with wash, 32 x 89.5cm Scale 1":2ch(hor); 1":10'(ver)
[14/69A]*	ca1834	[River] Levels at Datchet Bridge Line drawing with wash, 26 x 50.5cm Scale 1":4'
14/70	1835 Aug	Iron Girders/Models Experimented Upon Nos. 1-14 Line drawing, 95.5 x 63cm Scale 1":2"
14/71	1835 Aug	----- as above ----- Nos. 15-30 Line drawing, 95.5 x 63cm Scale 1":2"
14/72 experimented upon	[1835]	Tables for Iron Girders/Models Nos. 1-14 Ink, 62 x 95.5cm
14/73	[1835]	----- as above ----- Nos. 15-30 Ink, 62 x 95.5cm
* this drawing bore no number nor is it entered on this volume's contents list		
<b>Volume 15</b>		
15/?	-	----- untitled ----- Line drawing, part with wash, 63.5

x 64cm			Scale 1":4" [part missing?]
15/1*			Cocoa Nut Press, Messrs Ackland & Boyd
15/2*			----- as above -----
15/3*			Sperm Press
15/4	1838		8½ins Hot Press for Sperm Oil Bramah and Robinson Line drawing, part with wash, 67 x
124.5cm			Scale 1":8"
15/5	1838 Mar 17		12ins Olive Press, Messrs Bushel Line drawing, part with wash, 63.5 x 96cm Scale 1":8"
15/6	-		12ins Olive Press, [Sir John?] Lubbock Line drawing, part with wash, 63.5
x 95cm			Scale 1":8"
15/7			Olive Press, Mr Gower [ <u>wanting</u> ]
15/8	1838 Oct		7ins Olive Press, Mr Gower Line drawing, part with wash, 61.5
x 93cm			Scale 1":8"
15/9	-		9ins Olive Press, Mr Gower Line drawing, part with wash, 69 x
64cm			Scale 1":8"
15/10	1838 Sept?		8ins Olive Press?, Mr Glehn Line drawing, part with wash, 69 x
91.5cm			Scale 1":8"
15/11	1838 Jul		12ins Sugar Press, Bishop & Pell Line drawing, part with wash, 64 x
97cm			Scale 1":8"
15/12	-		14ins Sugar Press for Messrs Bishop & Pell Line drawing, 63 x 94cm Scale 1":8"
15/13	1838 Apr		12ins Paper Press, Messrs Donkin & Co Line drawing, part with wash, 62.5
x 95cm			Scale 1":1'
15/14	1838 Jun 20		12ins Experimental Press (proposed),

Polytechnic Institution  
Line drawing, 62.5 x 95.5cm  
Scale 1":8"

15/15	-	6½ins Cotton Presses, Messrs Carr Line drawing, part with wash, 63 x 95cm  Scale 1":1'
15/16	1838 Jul	Cotton Press, Gibbs & Sons Line drawing with wash, 63 x 95cm Scale 1":8"
15/17	-	Cable Proving Machine, Mr Lewis Line drawing with wash, 63 x 95.5cm Scale 1":8"
15/18	1838 Nov	Machinery Pumps, Mr Joynson Line drawing, 63 x 95.5cm Scale 1":4"
15/19	1838 Feb 17	Experimental Pump, Mr Blackburn Line drawing, part with wash, 64.5 x 96cm  Scale full size
15/20	-	Feed Pump for Mr Escher's 16HP high pressure boiler Line drawing, 64 x 95cm Scale 6":1'
15/21	1838 Jun	2 tons Wharf Crane, Mr Cotesworth Line drawing, 71 x 125.5cm Scale 1":1'
15/22	-	Dynamometer for I MacNeil Line drawing, part with wash, 94.5 x 137cm  No scale
15/23	-	[Carriage, side and end elevations, shewing] Dynamometer for I MacNeil Line drawing, 66.5 x 97.5cm No scale
15/24	-	Turn Tables, Southampton Railway Line drawing, part with wash, 65 x 96.5cm  No scale
15/25	-	11ft Turnplate, Southampton Railway Line drawing, part with wash, 63 x 96.5cm  Scale 1":1'
15/26		Nut Cutting Machine, Factory [wanting]

15/27	-	Nut Cutting Machine, Factory Line drawing, 67.5 x 65cm No scale
15/28	-	----- as above ----- Line drawing, 99 x 67cm No scale
[15/29]	ca1838	Improved Paddle, Captain Williams Line drawing with wash, with pencil additions, 61.5 x 66.5cm No scale [part missing?]
15/30 x 56.5cm	1838 Jul 18	Double Beat Valve, Cornwall (Hayle) Line drawing, part with wash, 43.5  Scale 3":1'
15/31	-	Saw Mill [section, plan, elevations] Line drawing, 64 x 92cm Scale 1":8"
15/32 70cm	-	Sectional Elevation of Engine, Sugar Mill House foundations, Messrs Gibbs Line drawing with wash, 119.5 x  Scale 1":2'
15/33 to 15/36		Steam Engine and Sugar Mill, Messrs Gibbs [ <u>wanting</u> ]
15/37	1838 Jan 15	Olive Rolls, Mr Gower Line drawing, 63.5 x 59cm Scale 3":1'
15/38	1838 Feb 1	Rolls for Olives, Mr Gower. B & R Line drawing, 63 x 96cm No scale
15/39 96cm	-	Water Wheel, Ackland & Boyd Line drawing, part with wash, 63 x  Scale 1":1'
15/40	1838 Aug	Plan of Improved Water Wheel for Bourn End Mill near Wobourn, Bucks belonging to Mrs Angell Line drawing with wash, 63.5 x 96cm Scale 1":16"
15/41 x 76cm	ca1838 Jul	Plan of Engine House etc at Bourn end Mill, Mrs Angell, near Wobourn, Bucks Line drawing, part with wash, 65.5  Scale 1":1'

15/42	-	Plan of River Thames near Wooburn & Cookham/plan of bridge, and section, near Cookham Ferry Line drawing, ink and wash, 63 x 79.5cm  Scale 1":250'; 1":40'
15/43	1838 Feb 1	Plan of Levels; Section of Notting Hill along Turnpike Road from Plough Inn to Norland House Ink and wash, 41.5 x 99.5cm Scale 1":1ch(hor); 1":5'(ver)
15/44	1838 Jan 26	16HP High pressure Patent Boiler Line drawing, 63 x 67cm Scale 1":8"
15/45	-	14HP Patent Boiler Line drawing, 63.5 x 86cm Scale 1":8"
15/46	-	Patent Boiler Line drawing, 63.5 x 85cm Scale 1":8"; full size
15/47	1838 Jun 25	50HP Marine Patent Boiler Line drawing, part with wash, 63 x 66.5cm  Scale 1":1'
15/48	1837 Mar 7	Patent Boiler for Locomotive Engine Line drawing, 56 x 65cm No scale
15/49	1837 Sept 29	1HP Patent Boiler for Hot Water Apparatus. Stock for B & R Line drawing, part with wash, 65 x 94cm  Scale 1":4"
15/50	-	20HP High Pressure Steam Engine Boiler Line drawing, part with wash, 63 x 95cm  Scale 1":16"
15/51	-	Boiler of <i>Victoria</i> Steam ship Drawing of Fracture Line drawing, part with wash, 64 x 126cm  Scale 1":2'
15/52	-	----- as above ----- Line drawing, part with wash, 64.5 x 97.5cm  Scale 1":2'
15/53	1838 Jul	Steam Engine Boiler, Kingsland and Company

Line drawing with wash, 96 x 62cm  
Scale 1":8"

- 15/54      1838 Mar      Steam Engine Boiler, Injecting  
Apparatus, Royal College of  
Surgeons. Bramah & Robinson, London  
Line drawing with wash, 105.5 x  
71.5cm  
Scale 1":6"
- 15/55      -      Heating Apparatus, Hanwell Asylum  
Line drawing with wash, 63 x 96cm  
Scale 1":3'
- 15/56      -      ----- as above -----  
Line drawing with wash, 62.5 x  
95.5cm  
Scale 1":3'
- 15/57      1838 Sept      ----- as above -----  
Transverse Section  
Line drawing, part with wash, 38  
x 95.5cm  
Scale 1":3'
- 15/58      1838 Sept      Boiler for Mr Sullivan's Heating  
Apparatus  
Line drawing, part with wash, 62 x  
95cm  
Scale 1":8"
- 15/59      -      Heating Apparatus, Regent St Gallery/  
Polytechnic Institution  
Line drawing, part with wash, 63 x  
95.5cm  
Scale 1":4'
- 15/60      1837 Feb      Heating Apparatus, Oxford Press  
Line drawing with wash, 64 x 96.5cm  
Scale 1":2'
- 15/61      1838 Nov      Heating Apparatus, Examination  
Schools,  
Oxford  
Line drawing with wash, 70.5 x  
126cm  
Scale 1":3'

+ These drawings bore no number; probably part of each is missing

\* These three drawings were missing from this volume although 15/? is presumably one of them

### Volume 16

- 16/1      1841 Feb      Printing Press for Banknotes for the

Buenos Ayres Government  
Line drawing, 63.5 x 87.5cm  
Scale 1":4"

16/2	1841 Jan	----- as above ----- Line drawing, part with wash, 63 x 78cm Scale 1":4"
16/3	-	----- as above ----- Line drawing, 84.5 x 62cm No scale
16/4	-	----- as above ----- Line drawing, 62 x 78cm No scale
16/5	-	----- as above ----- Line drawing, 61.5 x 85.5cm No scale
16/6 Captn	1839 Dec	Cocoa Nut Fibre Crimping Machine, Wildey & Co Line drawing, part with wash, 63 x 96cm Scale 1":8"
16/7 -	-	----- as above ----- Line drawing, part with wash, 63 x 95.5cm No scale
16/8	-	Coir Press, Captn Wildey & Co Line drawing, part with wash, 63 x 88.5cm Scale 1":8"
16/9	-	Beating Machine, Captn Wildey & Co Line drawing, part with wash, 59 x 93cm Scale 1":4"
16/10	-	Carding Machine, Captn Wildey & Co Line drawing with wash, 60 x 93.5cm Scale 1":8"
16/11	1839 Oct	Spinning Frame, Captain Wildey Line drawing, part with wash, 60 x 88.5cm Scale 1":8"
16/12	1839 Nov	Details of Spinning Frame, Capt Wildey Line drawing with wash, 63 x 97.5cm Scale 1":4"
16/13	1839 Jun 27	Cocoanut Fibre Curling Machine, Messrs

		Wildey & Co
x 81cm		Line drawing, part with wash, 61.5
		Scale 1":4"
16/14	1838 Jun 15	----- as above -----
61cm		Line drawing, part with wash, 86 x
		No scale
16/15	1840 Mar	Roving Gill Head, Messrs Wildey & Co
82.5cm		Line drawing with wash, 62.5 x
		Scale 1":8"
16/16	1839 Jul	Crushing Rolls for Seed, Mr Spiller
x 94cm		Line drawing, part with wash, 62.5
		Scale 1":4"
16/17	-	Traverse Motion for Crane, Messrs
Druce		Line drawing, part with wash, 66.5
x 53cm		Scale 1":8"
16/18	1843	Screw Cutting/Wire Cutting Machine?
67.5cm		Line drawing, with wash, 57 x
		Scale 1":8"
16/19	1843	Single Purchase Crab, Messrs Day &
Smith		Line drawing, 57.5 x 83cm
		No scale
16/20	1841 Mar	Steaming Apparatus, Marqs of Ailsa
84cm		Line drawing part with wash, 63.5 x
		Scale 1":4"
16/21	1839	Steaming Apparatus for Conservatory,
x 83.5cm		Rev Mr Williams
		Line drawing, part with wash, 57.5
		Scale 1":4"
16/22	-	----- untitled -----
x 56cm		Line drawing, part with wash, 76.5
		Scale 1¼":1½"?
16/23	1841 May	Zinc Slate Machine
93.5cm		Line drawing, part with wash, 63 x
		Scale full size
16/24	1841 May	---- as above ----

83.5cm		Line drawing, part with wash, 63 x Scale 1":4"
16/25	1840 Sept	Coal Truck with Indicating Apparatus, complete for the Equitable Gas Works Line drawing, part with wash, 63 x 92cm Scale 1":8"
16/26 Works	1840 Aug 7	Tell Tale for Truck, Equitable Gas Line drawing with wash, 53.5 x 66cm Scale full size
16/27	-	Railway Switches etc Line drawing with wash, 63.5 x 94.5cm Scale 1":1'; 1":4"
16/28	183-?	Crab for Mr Clarke? Line drawing with wash, 60 x 93.5cm No scale
16/29	-	Steam Hammer, W Johnson Line drawing, 84 x 69cm Scale 3":1'
16/30	1837 Oct 24	Dynamometer, Mr McNeil Line drawing, part with wash, 63 x 90cm No scale
16/31	1839 Aug	Capstan for the Marquis of Bute Line drawing with wash, 58.5 x 80.5cm Scale 1":8"
16/32	1846	Spherical Lathe, Zuleuta Line drawing, 64 x 97cm Scale 1":4"
16/33 for	1846	Elevation, Plan & Section of Beacon Trinity Board Line drawing, 64.5 x 67cm Scale 1":4'
16/34	-	20 ton Blocks, Haytor Granite Company Line drawing, 62.5 x 81.5cm No scale
16/35	1841	Disc for cutting Staves for Casks, Mr Taylor Line drawing, 61 x 97cm Scale 1":8"
16/36	1841	----- as above -----

			Line drawing, part with wash, 65.5
x 97cm			Scale 1":8"
16/37	-		Turn-Table, Eastern Counties Railway Line drawing with wash, 57 x 83cm Scale 1":1'
16/38	1839 Apr		Turnplates, Eastern Counties Railway Line drawing, 59.5 x 92.5cm No scale
16/39	-		----- untitled ----- Line drawing, 63 x 91.5cm No scale
16/40	-		7ins Air Pump for Trinity Board Line drawing with wash, 96.5 x
63.5cm			Scale full size?; 1":4"
16/41	-		Plan of working Mine Pumps for R J
Chambers			Line drawing with wash, 63.5 x 96cm Scale 1":4'
16/42	-		----- untitled ----- Line drawing, part with wash, 61 x
88.5cm			No scale
16/43	-		----- untitled ----- Line drawing, part with wash, 67.5
x 88.5cm			No scale
16/44	1839 Apr		Sugar Mill, Mr Gibbs Line drawing, 61 x 94cm Scale 1":8"
16/45	-		----- untitled ----- Line drawing with wash, 54.5 x 84cm No scale
16/46	1841 Jun		Weigh Bridge, Haytor Granite Company Line drawing, part with wash, 65.5
x 112.5cm			Scale 1":8"
16/47	1841		[Part of Weighing Machine], C
Robinson,			late Bramah's, London Line drawing, part with wash, 74.5
x 128cm			No scale
16/48	-		----- untitled ----- Line drawing, 67.5 x 69.5cm

Scale 1":1'

16/49 - Plan of Engines, Boilers, Pumps etc  
for H M Dockyard, Malta  
Line drawing with wash, 61.5 x  
66.5cm

Scale 1":4'

16/50 - [Pumping Engine & Machinery]  
Line drawing with wash, 47.5 x 62cm  
No scale

16/51 1843 Apr 22 Details of 20ins Pumps for H M  
Dockyard, Malta  
Line drawing with wash, 87.5 x 64cm  
Scale 1":4"

16/52 - Safety Valve for Boiler for H M  
Dockyard, Malta  
Line drawing with wash, 66 x 88cm  
No scale

16/53 - [Pumping Engine & Machinery]  
Line drawing with wash, 58.5 x  
67.5cm  
No scale

16/54 - ----- untitled -----  
Line drawing with wash, 56 x 66cm  
No scale

16/55 - Plan & Foundations for Pumping Engines  
for H M Dockyard, Malta  
Line drawing with wash, 70.5 x  
118.5cm  
Scale 1":2'

16/56 - Boilers for 20HP Engine for H M Dock-  
yard, Malta  
Line drawing with wash, 58.5 x  
67.5cm  
Scale 1":2'

16/57 1840 Apr 12HP High Pressure Steam Engine  
additions, Line drawing, with pencil  
63 x 89.5cm  
Scale 1":8"

16/58 - Engine for Olive Rolls  
Line drawing, part with wash, 59.5  
x 88.5cm  
No scale

16/59 1845 6HP Steam Engine, Messrs J & J Leith,  
Tobago  
Line drawing, part with wash, 72 x

111.5cm  
Scale 1":8"

16/60 - Slide for Engine, Lord Dundonald  
Line drawing, part with wash, 67 x  
89cm  
No scale

16/61 - ----- untitled -----  
Line drawing, part with wash, 62 x  
69cm  
No scale

16/62 - ----- untitled -----  
Line drawing, 67.5 x 92cm  
No scale

16/63 - Seating for Boiler of 6HP Engine for  
Sugar Mill, J & J Leith, [Tobago]  
Line drawing, part with wash, 58.5  
x 132cm  
Scale 1":1'

16/64 - Foundation etc for 6HP Steam Engine  
[for  
Flour Mill?], J & J Leith, Tobago  
Line drawing with wash, 72 x 109cm  
Scale 1":16"

16/65 - Steam Engine, Gibbs  
Line drawing with wash, 68.5 x  
122.5cm  
Scale 1":8'

16/66 - ----- untitled -----  
Line drawing with wash, 61.5 x  
87.5cm  
No scale

16/67 - [Roof construction; girders etc]  
Line drawing, 71.5 x 119.5cm  
No scale

**Volume 17**

17/1 - Press Pumps  
Line drawing, part with wash, 63 x  
81.5cm  
No scale

17/2 - Single Press Pump  
Line drawing with wash, 63 x 70.5cm  
Scale 1":2"; full size

17/3 - Press Pumps. Bramah & Robinson, London  
Line drawing, part with wash, 63 x  
95cm

Scale 1":4"

17/4	-	Press Pumps Line drawing with wash, 59.5 x 81.5cm
		No scale
17/5	-	10ins Press for Messrs Hall & Boyd Line drawing with wash, 72.5 x 96.5cm
		Scale 1":1'
17/6	1839 Aug	14ins Press, Mr Garford Line drawing, part with wash, 69.5 x 111.5cm
		Scale 1":8"
17/7	-	Pumps for 14ins Press, Mr Garford Line drawing, part with wash, 59 x 67cm
		Scale 1":8"
17/8	-	14ins Oil Press, Messrs Garford Line drawing, 66 x 67.5cm Scale 1":8"
17/9	-	Horizontal 14ins Oil Press Line drawing, part with wash, 62 x 91.5cm
		Scale 1":8"
17/10	1837 May 1	Horizontal 10ins Oil Press Line drawing, part with wash, 62 x 94.5cm
		Scale 1":8"
17/11	1840 Jul	7ins Oil Press, Mr Gower Line drawing, part with wash, 63.5 x 84.5cm
		Scale 1":8"
17/12	-	7ins Olive Press <u>[wanting]</u>
17/13	1839	8ins Olive Press, Messrs Zuleuta & Co Line drawing, part with wash, 63 x 87.5cm
		Scale ?
17/14	1841 Oct	9ins Olive Press, Geminard Line drawing, part with wash, 58.5 x 85.5cm
		Scale 1":8"
17/15	-	9ins Olive Press, M le Comte Capo d'Is- tria <u>[wanting]</u>
17/16	-	12ins Olive Press, Messrs Zuleuta

[wanting]

17/17	-	Gunpowder Press, Messrs Foster Line drawing with wash, 60 x 85cm Scale 1":1'
17/18 x 89cm	1839 Jun	Machinery Pumps, Messrs Forster & Co Line drawing, part with wash, 63.5  Scale 1":4"
17/19 x 89.5cm	1841 Jul	Press Pumps, Messrs Foster & Co Line drawing, part with wash, 64.5  Scale 1":4"
17/20 x 62.5cm	1840 Dec	Safety Valve for Press Pumps, Foster & Company Line drawing, part with wash, 90.5  Scale full size
17/21	-	Gunpowder Press, Messrs Foster Line drawing with wash, 50 x 46cm Scale 1":4"
17/22 x 47.5cm	-	Sugar Press Line drawing, part with wash, 67.5  Scale 1":8"
17/23 x 84cm	1839 May	10ins Paper Press, Donkin Line drawing, part with wash, 62.5  Scale 1":1'
17/24 Robinson, London x 89.5cm	1841 Jul	12ins Press, Beaufoy. Charles  late Bramah & Robinson, Engineer,  Line drawing, part with wash, 60.5  Scale 1":8"
17/25	1841 Jul	12ins Press, Beaufoy Line drawing with wash, 62 x 80.5cm Scale 1":8"
17/26	-	12ins Hydraulic Press for Mr Wilson Line drawing with wash, 65 x 67cm Scale 1":8"
17/27	-	10ins Press, South Wales Railway Comy. Line drawing, 63.5 x 67.5cm Scale 1":8"
17/28 Admiralty	1840 Nov	4ins Press for Packing Flour, for

			Line drawing, part with wash, 62.5
x 92cm			Scale 1":8"
17/29	-		Press for making Patent Fuel Line drawing with wash, 65.5 x 81cm No scale
17/30	-		Pumps for 12ins Press, Mr Rand Line drawing with wash, 63.5 x 92cm Scale 1":4"
17/31	-		Telescope Opifex Line drawing with wash, 52 x 34.5cm No scale
17/32	-		10ins Proving Machine, Admiralty Line drawing, part with wash, 63.5
x 94.5cm			No scale
17/33	1845		Proving Machine, Admiralty Line drawing, part with wash, 63 x
93.5cm			Scale 1":4"
17/34	1845 Oct 27		Wrought Iron Work for Proving Machine, Admiralty Line drawing, 63 x 95cm Scale full size
17/35	1845 Oct 26		----- as above ----- Line drawing, 63 x 95cm Scale full size
17/36	-		Hydraulic Lowering Machine for Norwood Cemetery Line drawing with wash, 125 x 69cm Scale 1":1'
17/37	-		----- as above ----- Line drawing, part with wash, 90 x
68cm			Scale 1":1'
17/38	-		----- as above ----- Line drawing with wash, 97.5 x
69.5cm			Scale 1":1'
17/39	1839 Mar		Pump for Hydraulic Machine, Norwood
Cemetery			Line drawing with wash, 61.5 x 95cm Scale 1":4"
17/40	-		Chain Cable Proving Machine, H M Dock- yard, Portsmouth. C Robinson, late Bramah's, engineer

		Line drawing with wash, 66 x 173cm No scale
17/41	-	----- as above ----- [wanting]
17/42	-	Foundation for Cable Proving Machine at H M Dockyard, Devonport Line drawing with wash, 69.5 x 118.5cm Scale 1":4"
17/43 Mach-	-	Side frames etc for Cable Proving ine, H M Dockyard, Devonport Line drawing, 70.5 x 129cm Scale 1":4"
17/44	1843 Mar	Wrought Iron Work for Cable Proving Machine, H M Dockyard, Devonport No.4 Line drawing, 62 x 91cm Scale full size
17/45	1844	Large lever for Cable Testing Machine, H M Dockyard, Portsmouth Line drawing, 62.5 x 82.5cm Scale 1":4"
17/46	[post 1837]	Girders for Opifex Cable Proving Mach- ine, Admiralty, for H M Dockyard, Plymouth Line drawing with wash, 57 x 83.5cm Scale 1":16:
17/47	-	----- as above ----- Line drawing with wash, 65.5 x 128cm No scale
17/48	-	Crab for Opifex Cable Proving Machine, H M Dockyard, Plymouth Line drawing, 53 x 67cm Scale 1":4"
17/49 Admiralty	1843	Pumps for Copper Cutting Machine, Line drawing, 62 x 90cm Scale 1":4"
17/50	-	Copper Cutting Machine, Admiralty Line drawing with wash, 69 x 107.5cm No scale
17/51	-	----- as above ----- Line drawing with wash, 64 x 93cm

No scale

17/52	-	Copper Bolt Cutting Machine invented by Messrs Bramah & Robinson Line drawing with wash, 64 x 85.5cm Scale 1":1'
17/53	-	Belt Pump & Water Crane, Croydon Railway Line drawing, 63 x 92.5cm Scale 1":1'
17/54	1842 Apr 16	Hydraulic Belt, Maitland, India Line drawing with wash, 63 x 83.5cm Scale 1":8"
17/55	1842	Details of Belt Pump, Maitland, India Line drawing, 63 x 96cm Scale various
17/56	1841 Sept Lt Denison	Driving Machinery for Hydraulic Belt, Line drawing with wash, 65 x 68.5cm Scale 1":16"
17/57	-	Belt Pump, Croydon Railway Line drawing, 37 x 47.5cm No scale
17/58	1845 Apr 1	Forcing Apparatus for a Fountain, Messrs Smith [for Pasha of Egypt?] Line drawing, part with wash, 63 x 67.5cm Scale 1":8"
17/59	-	Boiler for Tank, Reading Station, G.W.R. Line drawing, 57.5 x 86cm Scale 1":8"
17/60	-	Tank for Reading Station, Great Western Rly Company Line drawing, 95.5 x 62.5cm Scale 1":2'
17/61	1846	----- as above ----- Line drawing with wash, 89 x 58.5cm Scale 1":1'
17/62	-	Tank for Messrs Tanqueray Line drawing, part with wash, 65 x 94cm No scale
17/63	-	Pumping Engine etc, E Divett

Line drawing with wash, 63 x 92cm  
Scale 1":2'

17/64	-	Witlows Water Engine for E Divett Line drawing, 67.5 x 63.5cm No scale [untitled line drawing on verso]
17/65 Railway x 86.5cm	-	Water Crane for Tenders, E Counties  Line drawing, part with wash, 63.5  Scale 1":8"
17/66 Norfolk	-	Building for Water Wheel, Duke of  Line drawing with wash, 56 x 90cm Scale 1":2'
17/67 x 97.5cm	-	----- as above ----- Line drawing, part with wash, 60.5  No scale
17/68 x 94.5cm	-	Three-Barrell Pump Engine, Portsmouth Line drawing, part with wash, 62.5  Scale 1":4"
17/69	-	Pumps, Bethlehem Hospital Line drawing, 61 x 94.5cm No scale
17/70 Ted-  63cm	1829 May 14	Ground Plan and Detail of Works for  worth House, Thomas Asheton Smith Line drawing, part with wash, 61 x  No scale
17/71	1839 May 17	Yoke for Mules/Foundation for Cotton Presses Line drawing with wash, 41 x 51cm Scale 1":2'

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