

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book
------------------	-------------------------	---------------------------	----------------	----------------	----------------------------	-------------	-----------------	--------------------------------

Owner of Engine

Other Details

**REEL 174**

**SUN & PLANET ENGINES**

**Middlesex**

206	4	June 1800	1	SP	16" x 4'-0"	8		SN 2	W J Stretton	Broad Street. Carnaby Market.
223	6	May 1801	1	SP	19¼" x 4'-0"	12		E 3	Charles Samuel & George Enderby	Oil Mill. Upper Thames Street. St Paul's Wharf. Iron Beam. Put in during 1813.
237	2	Feb 1803	1	SP	20¾" x 4'-0"	14			DP 4	Jackson & Dampierre Mustard & Oil Mill.

**CRANK TYPE ENGINES**

**Scotland**

308	11	May 1802	1	D	25¼" x 6'-0"	24			ID 4	James Dunlop & Co. Lanark. Cotton Mill. Glasgow.
309	11	June 1802	1	D	28 <sup>1</sup> / <sub>8</sub> " x 6'-0"	30	19	JM 4	John Monteith	Lanark. Cotton Mill. Glasgow. JS
318	9	Sept 1802	1	D	23¾" x 5'-0"	20			CS 4	Sword Heywood & Co. Renfrew. Johnstown. Formerly Campbell Spiers & Co.
324	6	Jan 1803	1	D	23¾" x 5'-0"	20	21.5	S 4	William Stirling & Sons. No. 1	Dumbarton. Bleachery & Printing, Cordale.
	4	April 1803	1	D	23¾" x 5'-0"	20	21.5	M 5	MacMillan	Renfrew. Cotton Mill. Johnstown. Ordered by George Houston. Tenanted by Kennedy Watts & Co.
332	5	April 1803	1	D	16" x 4'-0"	9		25	A	Sir John Hope. No. 2 Edinburgh. Winding Engine.
351	5	June 1804	1	D	20¼" x 4'-0"	14	30	RK 5	Houldsworth & Hussey. No. 1	Lanark, Cotton Mill. Glasgow. See Portfolio No. 457 below for No. 2.
353	9	June 1804	1	D	33 <sup>1</sup> / <sub>3</sub> " x 7'-0"	45	18	TT 5	Henry Houldsworth & Co.	Lanark. Cotton Mill.
365	4	April 1805	1	D	20¾" x 4'-0"	14	25	P 6	William Young	Fife. Distillery. Burnt Island. Purchased from James Miller; see Portfolio No. 416 below. Sold to John Lander. See Portfolio No. 361 below.
366	8	April 1805	1	D	29" x 6'-0"	32	19	C 6	Gourock Ropeworth Co. No. 1	Renfrew. Ropery. Port Glasgow. See Portfolio No. 517 below for No. 2.
367	3	July 1805	1	D	23¾" x 5'-0"	20	23½	G 6	Alex Haddon & Sons	Aberdeen. Woollen Manufactory.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
374	4	June 1806	1	D	20¾" x 4'-0"	14	25	FF 6	Samuel Renney	Forfar. Flax Mill, Arbroath.
375	4	Jan 1806	1	D	23¾" x 5'-0"	20	21½	T 6	John Stein	Clackmanan. Distillery. Kennet Pans.
379	3	April 1806	1	D	17⅝" x 4'-0"	10	25	NN 6	Andrew Taylor	Distillery, Linton.
385	4	Aug 1806	1	D	20¾" x 4'-0"	14	25	PP 6	James Finlay & Co.	Stirling. Balfron.
390	5	Jan 1807	1	D	29" x 6'-0"	32	19	E 5	Girdwood & Co.	Lanark. Saw Mill. Glasgow.
391	4	Feb 1807	1	D	20¾" x 4'-0"	14	25	WW 6	William Stirling & Sons. No. 2	Dumbarton. Bleachery & Printing, Cordale.
396	6	July 1807	1	D	20¾" x 4'-0"	14	25	I 6	Matthew Robertson	Lanark. Glasgow.
402	3	March 1808	1	D	23¾" x 5'-0"	20	22.5	UU 6	Paisley Corporation of Bakers.	Renfrew. Flour Mill. Paisley.
403	3	March 1807	1	D	20¾" x 4'-0"	14	25	WW	Stein & Dewar	Clackmanan. Distillery. Loanside, near Alloa.
407	5	Sept 1808	1	D	20¾" x 4'-0"	14	25	DD 7	Hugh Vallance & Co.	Renfrew. Saw Mill. Paisley.
410	3	March 1809	1	D	29" x 6'-0"	32	19	BB 6	William Sharp	Angus. Corn Mill & Flax Mill. Dundee.
412	4	March 1809	1	D	25¼" x 6'-0"	24	18	NN 7	William Haig	Fife. Distillery. Kincahle, near Cupar.
413	6	April 1809	1	D	23¾" x 5'-0"	20	21.5	OO 7	David Stead & Son	Edinburgh. Drawing Wire & Sawing Timber. Leith. Sliding Valves.
416	2	July 1809	1	D	20¾" x 4'-0"	14	25	GG 7	James Miller	Stirling. Distillery. Craigend, near Stirling. Purchased by William Young. See Portfolio 365 above.
419	4	Oct 1809	1	D	36" x 7'-0"	53	17½	UU 7	Monteith Boyle & Co.	Lanark. Cootton Mil. Blantyre.
420	4	Oct 1809	1	D	20¾" x 4'-0"	14	25	SS 7	E D Mitchell	Fife. Flax Mill. Kirkaldy.
424	5	Feb 1809	1	D	20¾" x 4'-0"	14			C 7	William King & Son Renfrew. Cotton Mill. Paisley.
434	4	Oct 1810	1	D	20¾" x 4'-0"	14	25	CC 7	Brown Gourlay & Co	Lanark. Glasgow.
457	4	March 1815	1	D	30¾" x 6'-0"	36	19	M 8	Houldsworth & Hussey. No. 2	Lanark. Cotton Mill. Glasgow. See Portfolio No. 351 above for No. 1.
484	8	April 1823	1	D	38" x 7'-0"	60	17½	YQ 9	John Bartholomew & Co. No. 2	Lanark. Clyde & Cumberland St. Glasgow.
517	5	May 1837	1	D	x 7'-0"	60	17½	TN 10	Hourock Ropework Co. No. 2	Renfrew. Ropery. Port Glasgow. See Portfolio No. 366 above for No. 1.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Ireland</u></b>										
319	6	Oct 1802	1	D	19¼" x 4'-0"	12	25	S 4	Thomas Scott & Co. Gatehouse, Gatehouse, near Glasgow.	Cotton Mill. Bangor, near Belfast.
356	7	Nov 1804	1	D	20¾" x 4'-0"	14	25	SS 5	Hannay McWilliams & Co.	Cotton Mill. Bangor, near Belfast.
359	11	March 1805	1	D	31½" x 7'-0"	40	18	Y 5	Thomas Walker & Co.	Distillery. Cork.
369	11	August 1805	1	D	29" x 6'-0"	32	19	X 6	Stevenson & Houston	Cotton Mill. Springfield, nr Belfast.
376	4	Feb 1806	1	D	20¾" x 4'-0"	14	25	EE 6	John Stewart & Co.	Cotton Mill. Newtownards, near Belfast. Afterwards it was owned by Jonathan Pollock & Co.
380	6	April 1806	1	D	23¾" x 5'-0"	20	21.5	I 6	John McCracken. No. 2 engines Portfolio No. 754 for No.1).	Cotton Mill. Belfast. (See under Small Side Lever
394	20	1807	1	D	20¾" x 4'-0"	14	25	QQ 5	Duffys, Byrne & Hamill. No. 1	Calicoe Printers & Dryers. Balls Bridge Printing Works. Donnybrook Mills, near Dublin.
394	-	1807	1	D		24		Q 7	Duffys, Byrne & Hamill. No. 2	Calicoe Printers & Dryers. Balls Bridge Printing Works. Donnybrook Mills, near Dublin.
401	4	Jan 1808	1	D	20¾" x 4'-0"	14	25	T 7	John Anderson & Son	Calicoe Printers. Dublin.
405	5	July 1808	1	D	23¾" x 5'-0"	20	21.5	Y 7	William & Thomas Wise	Distillery. Cork.
	7	Jan 1809	1	D	30¾" x 6'-0"	32	19	LL 7	McCrum Leppers & Co.	Belfast. John Vance. Jonathan McCrum, Charles Lepper and Francis Lepper.
in Portfolio.										
411	4	March 1809	1	D	25¼" x 6'-0"	24	18	MM 7	Stein, Brown & Co.	Distillery. Limerick.
442	5	Dec 1811	1	D	28⅞" x 6'-0"	30	19	NN 8	Thomas Hewitt & Co.	Distillery. Cork.
519	7	Sept 1838			x 6'-0"	40	19	OM 12	John Busby Junior	Distillery. Dublin.
<b><u>Russia</u></b>										
	5	July 1834	1	D	29" x 5'-0"	30	21½		J Hoth.	Ordered by Baring Bros & Co. Rope Works in St Petersburg, situated on the River Neva side.
<b><u>Hudson Bay Company</u></b>										
438	4	May 1811	1				20			KDW Hudson Bay Company. Saw Mill. KDV

Copy of Painting

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>West Indies</u></b>										
293	2	Feb 1801	1	D	17 $\frac{2}{3}$ " x 4'-0"	10			SN 2	Turnbull Forbes & Co. Sugar Mill. Berbice, West Indies. Brass Cylinder,Air Pump & two Copper Boilers. Erected on the late estate of Paul Benfield. Ordered by Messrs Schneider & Co., London.
352	6	June 1804	1	D	19 $\frac{1}{4}$ " x 4'-0"	12			BB 5	H Vander Henvel Sugar Mill. Demerara. 10 HP crossed out and 12 HP inserted. Ordered by C & R Puller, Winchester Street, London.
<b><u>Spain</u></b>										
388	20	Oct 1806	1	D	36" x 6'-0"	50			YY 6	Marquis-de-Casa – Yrujo Flour Mill. Cadix. Includes correspondence about the engine. Ordered by Firmin-de-Jaslet.
			1	D	36" x 6'-0"	50			ZZ 6	
<b><u>Netherlands</u></b>										
395	6	July 1807	1	D	20 $\frac{3}{4}$ " x 4'-0"	14	25	G 6	H De Heus	Amsterdam. Ordered by J D H Van Leinder.
<b><u>United States of America</u></b>										
382	9	May 1806	1	D	20 $\frac{3}{4}$ " x 4'-0"	14	25	KK 6	Phillips & Co	Saw Mill & Pumping Engine. New Orleans. Ordered by Mann & Barnard.
461	5	June 1817	1	D	38" x 7'-0"	60	17.5	TT 8	J McKine	Coin or Rice Mill. Faces the harbour of Baltimore, on the bank by the Quay. Ordered by Cropper Benson & Co., Liverpool.
464	5	Oct 1818			30 $\frac{3}{4}$ " x 6'-0"	36	19	W 8	Dariem Saw Mill Association	Saw Mill. Georgia. Ordered by Isaac Low & Co., Liverpool .
<b><u>France</u></b>										
476	9	Aug 1822			36" x 7'-0"	53		L 8	Compagnie de la Ourscamp	Ordered by Heath Son & Furse. 31 Oldsbury.
501	9	Nov 1826			x 6'-0"	40	19	TA 10	Hausmann Frères.	Cotton Mill. Colmar. Charles Imer.Paulet & Co., Liverpool, agents.
<b><u>Turkey</u></b>										
507	11	July 1832			36" x 6'-0"	50	19	OI 12	Turkish Armoury	Armoury in Constantinople. Niven Kerr & Black, Agents.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b>REEL 175</b>										
<b>CRANK TYPE ENGINES</b>										
<b>Middlesex</b>										
304	5	Jan 1802	1	D	16" x 4'-0"	8			WH 4	William Hufton Colour Manufactory. 96 Whitechapel. Afterwards Ramsden in 1804.
344	1	Nov 1818	1	D						Grant Wollaston & Co. Filmed with Portfolio No. 345.
345	1	Feb 1804	1	D	19¼" x 4'-0"	12			JJ 5	C H Turner Ropery. Limehouse.
371	3	Nov 1805	1	D	30¾" x 6'-0"	36			NN 5	Brown & Parry Genuine Beer Brewery. Golden Lane. Afterwards Cocks & Campbell 1812.
378	8	March 1806	1	D	28⅞" x 6'-0"	30	19	MM 6	C & F Millward's	Corn Mill. Bromley. Thomas Hill in 1811.
398	6	Dec 1807	1	D	20¾" x 4'-0"	14	25	O 6	Constitution Brewery	Spittal-fields.
404	3	July 1808	1	D	28" x 6'-	30	19½	M 6	Liptrap & Co.	Distillery. Whitechapel Road.
417	4	July 1809	1	D	29" x 6'-0"	32	19	II 7	Meux Reid & Co.	Brewery. Liquor. Pond Street.
421	7	Nov 1809	1	D	28" x 6'-0"	30	19½	WW 7	Huddart & Co.	Patent Ropery. (Gas Plant). Limehouse.
422	5	Dec 1809	1	D	23¾" x 6'-0"	20	21	C 6	John Garford	Oil Mill. Limehouse.
426	7	April 1810	1	D	31½" x 7'-0"	40			K 7	William Leader & Co. Distillery. Wandsworth. Leader, Atlee & Langdale.
429	2	July 1810	1	D	23¾" x 5'-0"	20			D 6	Henry Meux & Co. St Giles Brewery.
436	4	May 1811	1	D	30¾" x 5'-0"	20	21.5	II 8	Stein & Smith	Distillery. Whitechapel. Coloured drawing of Gas Plant, on back of drawing. Formerly Liptrap & Co.
437	3	June 181	1	D	20¾" x 6'-0"	36	19	I 7	William Sims & Sons	Ropery. Commercial Road. Drawings show house for Hornblowers Engine.
439	12	July 1811	1	D	29" x 6'-0"	32	19	KK 8	Meux Reids & Co. No. 2	
443	3	April 1812	1	D	20¾" x 4'-0"	14	25	LL 8	Smith Harrington & Co.	Brentford.
445	4	Nov 1812	1	D	23¾" x 5'-0"	20	21	CC 7	F A Jorgens	Limehouse. John Wright cossed out and Jorgens inserted.
455	3	March 1815	1	D	20¾" x 4'-0"	14	25	VV 8	J V Taylor	Brewery. Limeshouse. Fore Street.
468	3	Feb 1819	1	D	x 6'0"-	36	19	V 8	James Shears & Sons	Copper Rolling Mills.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
470	8	Dec 1819	1	D	x 5'-0"	20	21½	PP 8	John Elliott	Brewery. Pimlico.
487	3	March 1824	1	D	29" x 5'-0"	30	21½	VT 10	Truman Hanbury Buxton & Co.	Brewery. Spittal-fields.
506	37	July 1832	1	D	x 6'-0"	40	19	RU 11	Barclay, Perkins & Co.	Brewery.
526	20	April 1843	1	D	x 6'-0"	40	19	JF 13	Curries & Co.	Brewery. Bromley.
<b><u>Surrey</u></b>										
432	2	Sep 1810	1	D	20¾" x 4'-0"	14	25	X 7	Gardner & Howard	King & Queen Foundry. Rotherhithe.
433		Sep 1810	1	D	23¾" x 5'-0"	20	21.5	YY 7	Mr Reed	Ropery. Shadwell.
<b><u>Lancashire</u></b>										
296	6	March 1801			23¾" x 5'-0"	20			LL 3	John Lees Cotton Mill. Church Lane. Oldham.
299	23	July 1801			33½" x 7'-0"	45			DW 4	Dixon, Greenhalgh & Welchman Cotton Mill. Bolton-le-Moors. Replaces atmospheric engine. They have an atmospheric probably 9 HP. 21" diameter x perhaps 8'-0" stroke. 28 strokes per minute.
300	1	July 1802	1	D	20¾" x 4'-0"	14			DL <sup>2</sup> 4	Barrow Lees & Co. No. 12 Winding & Pumping Engines at Werneth Colliery.
303	15	April 1802	1	D	28" x 7'-0"	45			MK 4	McConnell & Kennedy. No. 2 Pickford, Henry & Union Street, Manchester.
305	12	March 1803	1	D	23¾" x 6'-0"	20			T 4	John Taylor & Sons. No. 2 Cotton Mill. Rochdale. Leased to J R & H Butterworth. Firm altered name to Holme & Co in 1804. New cylinder added in 1806.
306	11	March 1802	1	D	31½" x 7'-0"	40	22	C 4	Peter & A McCandlish	Manchester. Oliver. Millwright.
307	11	March 1802	1		30¾" x 3'-0"	36		GE 4	Gregg & Ewart	Manchester. (Interesting Calculations concerning the Gas Light).
310	8	Jan 1803	1		31½" x 7'-0"	40		PM 4	H Birley & Co. (ordered by	Manchester. Peter Marsland)
313	9	July 1802	1	D	23¾" x 5'-0"	20		JL 4	James Lees	Oldham. Mumps Brook. Wallshaw Mills?
321	11	April 1802	1		29" x 6'-0"	32		H 4	Thomas Houldsworth	Manchester. Little Lever Street.
322	3	Dec 1802			20¾" x 4'-0"	14	25	P 5	W & J Pillings	King St. Manchester. Sold to Mr Hughes of Brazen Nove Street.
326	6	Feb 1808			23¾" x 5'-0"	20	21½	SS 5	F G & J Southam	Market Place. Manchester.
330	3	April 1803			23¾" x 5'-0"	20	21½	B 5	Buchan & Shaw	Manchester.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
333	7	April 1803			23¾" x 5'-0"	20	21½	C 5	Holiday Paton & Kerr	Manchester. 61 Jersey St. William Halliday & Co.
334	4	April 1803			23¾" x 5'-0"	20			F 5	Thomas Wroe Cotton Mill, Hollinswood between Manchester & Oldham.
337	2	May 1803			20¾" x 4'-0"	14	25	O 5	John Kenworthy	Cotton Mill. Ashton under Lyne.
341	5	July 1803			20¾" x 4'-0"	14	25	S 5	John Brierley	Cotton Mill. Staleybridge. Afterwards Brierley & Lees from 1811.
346	7	Feb 1804			20¾" x 4'-0"	14	18	A 5	David Holt	Cotton Mill. Manchester. Altered to a 23¾ cylinder 4'-0" feet stroke in 1810.
347	3	Feb 1804			30¾" x 6'-0"	36			CC 5	Newalls Bros Near Rochdale.
349	4	May 1804	1	D	23¾" x 5'-0"	20	21½	W 5	Crumbleholme & Crompton	Dye house. Manchester.
350	5	May 1804	1	D	33⅓" x 7'-0"	45	18	QQ 5	Watson Ainsworth & Co.	
358	4	Dec 1804	1		20¾" x 4'-0"	14	25	H 6	Hilton & Sale	Cotton Mill. Chorley.
360	1	March 1805	1		20¾" x 4'-0"	14	25	DD 5	Alexander Smith	Cotton Mill. Union St. Manchester.
	3	April 1805	1		23¾" x 5'-0"	20	21½	OO 5	Mr Whitaker.	Ordered by J Bury for Cotton Mill in Manchester. Afterwards owned from 1807 by McNaught & Drew, then James Duckworth & Co. from 1814.
364	9	April 1805			33⅓ x 7'-0"	45	18	N 6	A & G Murray	Erected in 1807 at a mill in Manchester. The Plan shows Mills dated 1798, 1801 and 1804 & records two engines 45 HP & 40 HP. The 80 HP engine was put into the 45 HP engine house built in 1805.
368	2	August 1805	1	D	29" x 6'-0"	32	19	Q 6	Thomas Ridgeway & Son. No. 3	Wallsucles.
370	2	Sep 1805	1	D	20¾" x 4'-0"	14	25	R 6	John Leath	Staleybridge.
377	11	March 1806	1	D	30¾" x 6'-0"	36	19	HH 6	Samuel Bridge	Cotton Mill. Manchester. (One engine suspended, see Order Book No 50). Afterwards owned by Wilson Fairweather & Co. from 1809.
381	4	April 1806			23¾" x 5'-0"	20	21½	U 6	George Cheethan	Staleybridge.
386	7	August 1806			23¾" x 5'-0"	20	21½	SS 6	Fort Hargreaves & Co.	Calicoe Printers. Oakenshaw near Blackburn.
387	30	Feb 1806			36" x 7'-0"	52	16	Y 6	James Kennedy	Manchester. (Later engine was 41" x 7'-0", 68 HP).
392	5	March 1806	1	D	33⅓" x 7'-0"	40	18	DD 6	Peter Marsland	Manchester.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
393	5	May 1807			29" x 6'-0"	32		AA 6	John Birley & Sons	Cotton Mill. Kirkham.
415	2	June 1809	1		20¾" x 4'-0"	14		RR 7	J Bury & Co.	Stockport, Cheshire.
418	9	August 1809	1		x 7'-0"	53	17½	K 6	Birley & Hornby	Chorlton Cotton Mills. Portfolio contains drawings of Gas Plants.
423	3	Jan 1810			20¾" x 4'-0"	14	25	ZZ 7	John Harrison	Ancoates, Manchester.
427	4	May 1810			20¾" x 4'-0"	14	25	M 7	John Pooley Junior	Manchester.
435	4	Oct 1810			36" x 7'-0"	53	19	DD 7	Thomas Houldsworth	
440	9	June 1811			29" x 6'-0"	32	19	GG 8	Goodier & Fouden	Calendars. No 9 Crow Alley, Manchester.
441	4	Aug 1811	1		23¾" x 5'-0"	20	21½	FF 7	Samuel Steinforth	Ropery. Lawton Street, Liverpool.
448	3	Dec 1813			30¾" x 6'-0"	36	19	A 8	Peter Marsland.	Cotton Mill. Chorlton near Manchester. A P Marsland had an "Oxford Road Mill" afterwards called Oxford Road Twist Co. See also Portfolio No. 488 below.
449	14	Dec 1813			48" x 8'-0"	100	16	D 8	Birley & Hornby	Mill in Manchester. Portfolio contains drawings of Gas Plants.
451	3	May 1814			x 7'-0"	53	17½	SS 8	Jonathan Pollard. No. 2	Afterwards George Woolley & Son.
	5	March 1815			36" x 7'-0"	53	17½	C 8	John & Richard Simpson. No. 2	Manchester, another engine shown.
463	3	Aug 1818			26¼" x 5'-0"	24	22	YY 9	B & W Sandford	Manchester.
465	15	Sept 1818			36" x 7'-0"	53			YX 9	McConnel & Kennedy. No. 4
466	14	April 1819			x 6'-0"	36	19	CC 8	Benjamin Kirk	Stayleybridge. Late Thomas Orrell.
467	4	April 1819			23¾" x 5'-0"	20		OO 8	Samuel Greg & Co.	Caton, near Manchester

## **REEL 176**

### **CRANK TYPE ENGINES**

#### **Lancashire**

469	7	Dec 1819			x 5'-0"	36	19	DD 8	George Cheetham	Stayleybridge.
475	7	July 1822			32½" x 6'-0"	40		VA 10	Thomas Houldsworth. No. 3	Manchester.
481	4	Feb 1823			29" x 5'-0"	30	21½	VO 10	James Kennedy. No. 5	Manchester, being the 32 HP shortened.



Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
482	3	April 1823			29" x 5'-0"	30	21½	VP 10	John Pooley & Son. No. 3	Manchester.
485	7	August 1823			44" x 7'-0"	80		UI 10	Thomas Harrison & Sons	Staleybridge. (First 80 HP with 7'-0" stroke).
488	9	May 1824			44" x 7'-0"	80	17½	UV 10	Oxford Road Twist Co.	Manchester. (Mentions old 40 HP engine). See also Portfolio No. 448 above.
489	6	July 1824	1	D	38" x 7'-0"	80	17½	UK 9	Hugh Beaver	Jersey Street.
492	11	Nov 1824			44" x 7'-0"	80	17½	TO 10	Joseph Clarke & Sons	Manchester. (Also 1833 engine). Drawing of Chimney 140 feet high.
495	4	April 1825			x 6'-0"	36	19	YN 9	Vernon Royle	Silk Mill. Manchester.
498	4	Dec 1825			32½" x 6'-0"	40	19	UZ 10	Samuel Greg & Co.	
513	14	Jan 1836			30¾" x 6'-0"	36	19	MQ 12	Benjamin Kirk. No. 2	Staleybridge.
515	27	May 1837	1	D	48" x 8'-0"	100	16	MX 12	Union Plate Glass Co.	St Helens.
518	14	Feb 1838	1	D	38" x 7'-0"	60	17½	IR 12	George Clark & Co.	Hope Mills, Manchester. Price of Engine delivered in Manchester given as £2147.
524	9	Nov 1840	1	D	x 6'-0"	40	19	LX 12	Adam & George Murray	Cotton Mill. Ancoates. Bengal & Union Street. (See also Portfolio No. 167).
525	10	May 1841	1	D	x 6'-0"	36	22	KL 12	George Cheetham & Sons	This Engine was connected to their old one.
	10	Nov 1843	1	D	x 6'-0"	45			British Cast Plate Glass Co.	Ravenhead, near Prescott. (See also Portfolio No. 537).
	32	June 1845	2	D	41" x 7'-0"	70	17½	IK&L 13	Birley & Co.	Oldham. Mumps Brook. Wallshaw Mills?
537	28	June 1846	2	D	42" x 7'-0"	72		HW&X 13	British Cast Plate Glass Co.	Ravenhead, near Prescott.
<b><u>Northumberland</u></b>										
314	7	July 1802	1		21½" x	16		TI 4	Tyne Iron Co.	Fishwick Gibson & Co, Newcastle on Tyne. Unequal Beam.
315	8	July 1802	1		36" x 8'-0"	56		TY 4	Tyne Iron Co.	
<b><u>Yorkshire</u></b>										
298	8	June 1801	1	D	29" x 6'-0"	32		RM 3	Lodge & Co.	Corn Mill, Regulator Mill. Halifax. Timothy Bates is noted as the Millwright.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
302	2	2 Feb 1801	1	D	14¾" x 3'-0"	6		EH 3	Easterby Hall & Co.	Winding Engine. Arkindale near Keith.
311	8	July 1802	1	D	28½" x 6'-0"	30	19	LL 4	Henry Lodge	Cotton Mill. Halifax. For Henry Lodge, Willow Hall. 20 HP crossed out and 30 HP inserted.
323	8	Nov 1802	1	D	25¼" x 6'-0"	24		P 5	Pease, Wray & Trigg	Oil Mill.
	12	Jan 1803	1	D	23¾" x 5'-0"	20		C 5	Coates & Jarrat. No. 2	Oil Mill. Hull. 24 HP engine, Cylinder & slide valve with iron spring, Beams & Parallel Motion added in 1820.
335	8	May 1803	1	D	20¾" x 4'-0"	14	25	M 5	Milner & Whitaker	Thurlstone, near Wakefield. Bought by Mr John Howard of Hyde, near Ashton-under-Lyme.
336	4	May 1803	1	D	28½" x 6'-0"	30	19	P 5	Askham Eyre & Co.	Wakefield.
348	3	April 1804	1	D	20¾" x 4'-0"	14	25	X 5	Joshua Foster	Worsted Mill. Horbury, near Wakefield.
	4	March 1805	1	D	20¾" x 4'-0"	14		K 6	Thomas Fenton	Colliery Winding Engine. Greasbrough, near Rotherham.
408	5	Oct 1808	1	D	20¾" x 4'-0"	14	25		Milner & Whitaker	Thurlstone, near Wakefield. Bought by Mr John Howard of Hyde, near Ashton-under-Lyme.
444	4	April 1812	1	D	30¾" x 6'-0"	36		RR 8	Heathfields & Co. No. 1	Sheffield. Afterwards Strange & Webber. Gas Plant shown on drawing.
447	5	Nov 1813	1	D	23¾" x 5'-0"	20	21½	XX 7	Heathfields & Co. No. 2	Sheffield.
460	5	March 1816	1	D	29" x 6'-0"	32	19	UU 8	W H Jones	Bradford.
490	10	May 1824	1	D	x 6'-0"	40	19	UF 10	York Sheepshanks & Co.	Leeds.
491	8	Aug 1824	1	D	44" x 7'-0"	80	17½	UW 10	B Gott & Sons	Leeds.
496	11	April 1825	1	D	44" x 7'0"	80	17½	TR 10	John Wood Junior	Cotton Mill. Bradford, Yorkshire.
508	5	Jan 1833	1	D	x 7'-0"	80		PD 11	John Wood Junior	Cotton Mill. Bradford, Yorkshire.
533	19	Dec 1845	1	D	36" x 6'-0"	50		IU 13	William Scholefield & Co.	Park Gate Iron Works. Rotherham.
<b><u>Cumberland</u></b>										
340	12	July 1803	1	D	30¾" x 6'-0"	30	19	R 5	Richard Jackson & Co.	Carlisle. Cotton Mill.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Cheshire</u></b>										
312	7	July 1802	1	D	31½" x 7'-0"	40		DR 4	Dainty Royle & Co. No. 2	Cotton Mill. Macclesfield.
354	2	October 1804	1	D	17¾" x 4'-0"	10	25	ZZ 5	William Crowther	Silk Mill. Heaton near Stockport.
355	6	October 1804	1	D	23¾" x 5'-0"	20	21½	MM 5	J & G Pearson's	Silk Mill. Macclesfield.
357	13	Dec 1804	1	D	23¾" x 6'-0"	30		B 6	J & W Bateman's	Mold Twist Company or Mold Cotton Mill Company. Afterwards Thomas Trueman & Co.
363	16	Feb 1805	1	D	20¾" x 4'-0"	14		Z 5	Dainty Wood & Dainty. No. 3	Cotton Mill. Macclesfield. Originally Commercial Archway.
384	3	July 1806	1	D	23¾" x 5'-0"	20	21½	RR 6	Samuel Cheetham	Cotton Mill. Stockport.
399	5	Sept 1807	1	D	30¾" x 6'-0"	36	19½	FF 6	William Howard	Stockport.
459	3	April 1815	1	D	30¾" x 6'-0"	36		TT 8	Bott Birch & Co. No. 2 (see No 1,18)	Cotton Mill. Nantwich.
<b><u>Nottinghamshire</u></b>										
316	7	August 1802	1	D	17¾" x 4'-0"	10	26	HO 4	Hollins, Oldknow & Pearse	Pleasley Mills near Mansfield. 8HP crossed out & 10 HP inserted.
320	6	October 1802	1	D	23¾" x 5'-0"	20		R 4	Radford Cotton Co. No. 2	Cotton Mill. Radford.
<b><u>Derbyshire</u></b>										
431	8	August 1810	1	D	23¾" x 5'-0"	20	21½	V 7	Cooper Moorchett & Co.	Cotton Mill. Woodeaves, near Ashbourne.
<b><u>REEL 177</u></b>										
<b><u>CRANK TYPE ENGINES</u></b>										
<b><u>Staffordshire</u></b>										
297	17	May 1801	1	D	42" x 8'-0"	76		PG 3	Pearson & Gibbons	Iron Works. Bilston.
301	4	April 1801	1	D	14¾" x 3'-0"	6		B3 3	J W & B Bottfield. No. 3	Colliery Winding Engine. Tipton.
400	15	October 1807	1	F	29" x 6'-0"	32	19	R 7	Robert Hamilton	Flint Mill. Stoke.
430	5	August 1810	1	D	30¾" x 6'-0"	36		S 7	Josiah Spode	Pottery. Stoke.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
477	22	August 1822	1	D	x 6'-0"	40	19	VC 10	John & Nathaniel Phillips & Co. No. 2	Tean Hall, near Cheadle.
522	21	June 1839	1	D	x 7'-0"	60	17½	LZ 12	Chance Brothers	Glass Works. Spon Lane.
528	5	October 1844	1	D	32½ x 6'-0"	40			JW 13	Patent Shaft & Axle Tree Co. Wednesbury.
529	44	November 1844	2	D	38½" x 7'-0"	60	17½	JX&Y 13	Patent Welded Iron Tube Co.	Smethwick.
530	14	Feb 1844	1	D	x 8'-0"	100			LV 12	Malins & Rawlinson Brierley Hill. Rolling Mill.
534	19	Jan 1846	1	D	36" x 6'-0"	50			IZ 13	Patent Shaft & Axletree Co. Wednesbury.
535	56	May 1846	1	D	44" x 7'-0"	80	17½	HI 13	Birmingham Plate & Crown Glass Co.	Glass Works. Smethwick.
536	10	June 1846	1	D	x 7'-0"	60	17½	HR 13	Chance Brothers	Glass Works. Spon Lane. Engine transferred to the Patent Shaft & Axletree Co.
<b><u>Shropshire</u></b>										
292	11	Jan 1801	1	D	36" x 8'-0"	56		BZ 3	J W & B Bottfield. No. 2	Iron Rolling Mill. Old Park, near Coalbrookdale. Iron Beam 1801. See also Portfolio No. 301.
338	11	June 1803	1	D	23¾" x 5'-0"	20	22	G 5	Benyon, Benyon & Bage. No. 2	Flax Mill. Shrewsbury. See also Portfolio No. 136.
<b><u>Warwickshire</u></b>										
329	19	March 1803	1	D	36" x 5'-0"	56		Z 5	Birmingham New Steam Mill Co.	Fazely Street, Birmingham. Grinding Gun Barrels. Unequal Beam.
446	10	Feb 1813	1	D	29" x 6'-0"	32	19	ZZ 8	William Jones & Co.	Britannia Nail Co. Birmingham.
486	8	March 1824	1	D	x 5'-0"	24	21½	UO 10	New Union Mill Co.	Flour Mill.
503	12	Jan 1833	1	D	x 6'-0"	40		QK 11	William Wallis	Ashted Saw Mill. Dartmouth Street, Birmingham. QK 1827 was made for Sims Tildasley & Co., but not erected by them. Mr J Badams bargained with them for it, but he became bankrupt and the Engine was at last sold to Mr Wallis, who erected it in 1834.
505	10	Jan 1831	1	D	x 6'-0"	40	19	RT 11	William Lucy	Borough Flour Mill. Afterwards Lucy & Nephew.
523	5	April 1840	1	D		37		PA 11	Samuel Badger	Flour Mill. Friday Bridge, Birmingham. Formerly at French Walls.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Gloucestershire</u></b>										
343	5	Oct 1803	1	D	23¾" x 5'-0"	20	21½	V 5	William Purnell & Co.	Rolling Tin Plate. Fromebridge, near Framilode.
373	8	Dec 1805	1	D	20¾" x 4'-0"	14	25	S 6	Edward Sheppard	Woollen Manufactory. Uley.
414	4	May 1809	2	D	20¾" x 4'-0"	14	25	QQ 7	Stone Pipe Co. No. 1 & No. 2	Guyton, near Stowe in the Wold.
454	5	Dec 1814	1	D	20¾" x 4'-0"	14	25	G 8	W & P Planer & Co.	Minchinhampton.
471	2	March 1821	1	D	x 5'-0"	24	21½	WB 9	R P & G A Smith	Walbridge, near Stroud.
472	6	Sept 1821	1	D	x 5'-0"	20	21½	XZ 9	Daniel Lloyd & Co.	Uley, near Dursley.
473	5	March 1822	1	D	32½ x 6'-0"	40	19	WX 10	Harvis Stephens & Co.	Stanley Mill near Stroud. Afterwards Maclean Stephens & Co.
474	5	March 1822			x 5'-0"	24	21½	WT 10	Hicks Brothers (H Hicks & Sons)	Churching Mills. Eastington, near Stroud. Mill by Mr Hewes.
479	5	Dec 1822			x 5'-0"	14	21½	YZ 9	Overbury & Co.	The Foundry Old 14 HP Engine of 1796 was repaired for this contract. Avening near Tetbury. Ordered for Lightmore Co. Transferred to this contract.
480	3	Feb 1823			x 6'-0"	32	19	H 8	A & E Austin	Wootton under Edge.
483	3	April 1823			x 6'-0"	40	19	VF 10	Thos Castle & Co. No. 2	Bristol.
497	4	Oct 1825			29" x 5'-0"	30	21½	UR 1-	Henry Wyatt & Co.	Vatch Mills, near Stroud.
500	4	Nov 1826	1	D	x 5'-0"	30	21½	US 10	Hicks Brothers. No. 2	Eastington, near Stroud.
516	38	Aug 1837	1	D	x 7'-0"	80	17½	MT&MI 12	Clarke, Maze & Co.	Great Western Cotton Works. Bristol. Ordered by J B Clark. See also Portfolio No. 514.
521	12	June 1839	1	D	38" x 7'-0"	60	17½	LW 12	Clarke, Maze & Co.	Great Western Cotton Works.
<b><u>Devon</u></b>										
504	17	Sept 1830	2	D	34¾" x 6'-0"	45	19	PQ&R 12	H M Navy. Victualling Office	Plymouth Corn Mill. Cremill Point. Ordered by George & John Rennie.
<b><u>Hampshire</u></b>										
502	5	March 1829	2	D	x 6'-0"	40	19	QJ 11	H M Navy. Victualling Office	Corn Mill at Weevil near Portsmouth.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
541	60	Feb 1842	1	D	44" x 76'-0"	80	17½	JD 13	H M dockyard Portsmouth. Section D.	Rolling Mill Engine.
<b><u>Dorset</u></b>										
512	4	Sept 1835	1	D	x 5'-0"	30	21½	RN 11	J Haydon & Co.	Bridport. Afterwards Josiah Flight & Co.
<b><u>Wiltshire</u></b>										
397	4	Nov 1807	1	D	20¾" x 4'-0"	14	25	N 6	Ebenezer Brown	Woollen Manufactory. Bradford.
425	6	March 1810	1	D	20¾" x 4'-0"	14	25	G 7	Edward & George Cooper	Bradford. (Probably also for Joyce Cooper & Co.)
453	6	Wed 1814	1	D	20¾" x 4'-0"	14	25	WW 8	Strange & Webber	Trowbridge.
462	3	June 1818	1	D	23¾" x 6'-0"	20	21½	R 8	Matravers, Overbury & Matravers	Westbury.
<b><u>Sussex</u></b>										
383	4	July 1806	1	D	20¾" x 4'-0"	14	25	LL 6	William & G Harvey	Gun Powder Mill. Battle, near Hastings.
<b><u>Kent</u></b>										
372	40	Dec 1805	1		30¾" x 6'-0"	36		KK 5	William Balston	Paper Mill. Springfield Mill, Maidstone.
450	4	May 1814	1	D	x 6'-0"	30				Pilcher & Co. Dover.
452	32	June 1814	1	D	x 4'-0"	20	21½	MM 8	His Majesty's Dockyard, Woolwich	Woolwich Smithery. Forge Engine. See <i>Voyages dans la Grande Bretagne par Charles Rupin</i> .
499	6	Aug 1826	2	D	32½ x 6'-0"	40	19	TY&Z 10	H M Navy Victualling Office	Deptford Corn Mill. Ordered by George & John Rennie.
509	6	Nov 1833	1	D	x 5'-0"	30	21½	SA 10	H M Navy Victualling Office	Oat & Chocolate Mill.
<b><u>Essex</u></b>										
428	5	June 1810	1	D	20¾" x 4'-0"	14	25	N 7	William Taylor	Powder Mill. Malden, near Kingston on Thames.
<b><u>Norfolk</u></b>										
458	4	March 1815	1	D	23¾" x 5'-0"	20	21½	Q 8	Grout Baylis & Co.	Norwich.
493	4	Feb 1825	1	D	44" x 7'-0"	80	17½	TS 10	Grout Baylis & Co.	Yarmouth.
510	8	Feb 1834	1	D	x 6'-0"	50	19	NF 12	Norwich Yarn Co.	St Edmunds. Norwich.
<b><u>Wales</u></b>										
327	7	Feb 1798			33½ x	45	1		Tredegar Iron Works	J Homfray & Co. Rolling Mill Engine.

Portfolio Number	Approx. No. of Drawings	Earliest Date on Drawings	No. of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
339	9	July 1803			36" x 8'-0"	56			Q 5	Dowlais Iron Works William Tate & Co.
406	5	August 1808			31½" x 7'-0"	40	17½	AA 7	Dowlais Iron Works	William Taitt & Co. Rolling Mill.

**REEL 178**

**CANAL ENGINES**

**Birmingham Canal Company**

597	14	1804	1	S	33⅓ x 8'-0"	23.7		HH 5	Birmingham Canal Company	Rolfe Street, Smethwick No.2. To raise water as for No. 1. 36" x 8'-0" Pump.
	30	1812	1	S	36" x 7'-0"	24.11		BB 7	Birmingham Canal Company	This Portfolio contains many Plans, Surveys, Letters & other documents. Pump 26". Between Aston & Aston Junction.
615	13	1812	2	S	54" x 8'-0"	124.2		OO 8 & PP 8	Birmingham Canal Company	Capon Field Pit, near Bilston.
635		1803	1	S	46" x 8'-0"	45.1		OK 4	Birmingham Canal Company	Ocker Hill. Pump 24" x 8'-0". To raise water.
639	14	1818	2	S	48" x 8'-0"	98.2		YU 9 &	Birmingham Canal Company	Rotten Park Reservoir. Pump 43" x 8'-0". QP 11
640	13	1837	1	S	36" x 7'-0"	24.1		MY 12	Birmingham Canal Company	At Titford. Pump 26½" x 7'-0".
644	1	1828	1	Ind		14		IM 9	Birmingham Canal Company	Thames & Medway Canal Co. drawings also included in same portfolio.
1274	5	1807	1	SSL	16" x 2'-0"	6		ZW 6	Birmingham Canal Company	Boat Engine with Scoop Wheel.

**Kennet & Avon Canal Company**

608	13	1808	1	S	36" x 8'-0"	27.6			Kennet & Avon Canal Company	Purchased from the West India Dock Co in 1802, erected in 1808. Lift 40 feet. 26¼" pump.
608	1	1810	1	S	42" x 8'-0"	37.8		B 7	Kennet & Avon Canal Company	Pump 30" x 8'-0". Lift 40 feet. Engine in same house as the one above.
635	1	1804	1	SSL	16" x 2'-0"	6		V 5	Kennet & Avon Canal Company	
1277	1	1814	1	Ind	16" x 2'-0"	6		ZAW 8	Kennet & Avon Canal Company	Mud Machinery.

**Worcester & Birmingham Canal Company**

641	13	1812	1	S	64" x 8'-0"	87.3		N 8	Worcester & Birmingham Canal Co.	Pump 38" x 8'-0". Lift 58 feet.
-----	----	------	---	---	-------------	------	--	-----	----------------------------------	---------------------------------

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Staffordshire &amp; Worcestershire Canal Company</u></b>										
595	14	1804	1	S	44" x 8'-0"	41.2		FF 5	Staffordshire & Worcestershire C. C.	Pump 36" x 8'-0". Stourport. Lift 31 feet.
<b><u>Dublin Canal Company</u></b>										
592	2	1804	1	SSL	16" x 2'-0"	6		Q 5	Dublin Canal Company	Pump 24" x 3'-0". Called also the Dublin Royal Canal. To lift water 16 feet. Bought by John Howe of Belfast in 1809.
<b><u>Caledonian Canal Company</u></b>										
598	12	1805	1	S	48" x 8'-0"	49.1		UU 5	Caledonian Canal Company	Pump 40" x ?
599	12	1805	1	S	36" x 8'-0"	27.6		WW 5	Caledonian Canal Company	Pump 30" x" at Fort William. Lift about 31 feet.
600	11	1805	1	S	23¾" x 5'-0"	20.0		YY 6	Caledonian Canal Company	Pump 21" x ?
<b><u>Somersetshire Canal Company</u></b>										
601	8	1806	1	S	52" x 8'-0"	57.6		L 6	Somersetshire Coal Canal,	Pump 21¾" diameter. Lift 135 feet. Lock Fund Co.
<b><u>Grand Junction Canal Company</u></b>										
602	8	1805	1	S	23¾" x 5'-0"	20.0		W 6	Grand Junction Canal Company	Pump 20" x ?
605	4	1807		S	20¾" x 4'-0"	4.5		B 6	Grand Junction Canal Company	16" Pump. Lift 30 feet. Chester.
612	13	1810	1	S	54" x 8'-0"	62.1		U 7	Grand Junction Canal Company	Pump 36" x 8'-0". Lift 49 feet. Braunston.
618	1	1817	1	S	48" x 8'-0"	49.1		YD 9	Grand Junction Canal Company	Tring Summit. Surveys, Letters & Papers in this Portfolio. Pumps 28" x 32". Lift 58 feet.
1278	3	1796	1	S	23 x ?				Grand Junction Canal Company	Boat Engine. 30" Pump. Doubtful if supplied.
<b><u>Katwyk and Rhine Canal</u></b>										
604	12	1806	1	S	36" x 3'-6"	12.0		A 6	Katwyk and Rhine Canal	Katwyk-on-Zee, Holland. Pump 54" x 3'-6" Stroke. 7½ feet lift, 17½ per minute. Equal Beam. To raise 877 cubic feet.
<b><u>Portsmouth &amp; Arundel Canal Company</u></b>										
619	8	1818	1	S	42" x 8'-0"	37.8		YT 9	Portsmouth & Arundel Canal Company	Surveys in this Portfolio. Ford near Arundel. Pump 38" x ?
620	6	1819	1	S	42" x 8'-0"	37.8		XH 9	Portsmouth & Arundel Canal Company	Pump 36" x ? On the east side of Portsea Island.



Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Bridgwater &amp; Taunton Canal Company</u></b>										
634	5	1818	1	S	33½ x 7'-0"	20.7		XC 9	Bridgwater & Taunton Canal Company	To lift from the River Tone into the Canal. This required only a 31½" cylinder, but a 33½ being finished was given in lieu. Lift 25 feet. Pump 28" x ?
<b><u>Regents Canal Company</u></b>										
621	16	1819	2	S	64" x 8'-0"	174.6		ZQ & XR 9	Regents Canal Company	Near to the River Thames.  St George, Hanover Square. Pump 24" x 8'-0".
<b><u>Thames &amp; Medway Canal Company</u></b>										
644	5	1825	1	S	42" x 8'-0"	37.8		XW 9	Thames & Medway Canal Company	Lift 19 feet at low water. Pump 42" x ?
<b><u>DOCK &amp; HARBOUR ENGINES</u></b>										
<b><u>Hellevoetsluis</u></b>										
583	17	1801	1	D	30¾" x 6'-0"	30.2		B 3	Hellevoetsluis	
<b><u>London Dock Company</u></b>										
658	10	1800	2	S	36" x 8'-0"	55.2		D <sup>1</sup> & D <sup>2</sup> 3	London Dock Company	D <sup>1</sup> at Wapping.
658	1	1800	1	C		20.0		D <sup>3</sup> 3	London Dock Company	For grinding mortar.
658	1	1801	1	S	36" x 8'-0"	27.6		D <sup>4</sup> 3	London Dock Company	Sold previous to its leaving Soho, to Messrs Thunnard & Co of Boston, Leicestershire.
658	1	1801	1	C	16" x 4'-0"	8.0		LP 3	London Dock Company	Pile engine. Sold to Mr Simons, Rope maker. Commercial Road, near Limehouse 1803.
658	1	1812	1	SSL	19¾" x 2'-6"	10.0		ZL 8	London Dock Company	
<b><u>Holyhead Dock</u></b>										
656	6	1827	1	Ind	16" x 2'-0"	6.0		HR 9	Holyhead Dock	Two pumps 18" diameter.
<b><u>REEL 180</u></b>										
<b><u>DOCK &amp; HARBOUR ENGINES</u></b>										
<b><u>West India Dock Company</u></b>										
664	70	1800	1	S	36" x 8'-0"	27.6		DC 2	West India Dock Company	Wood Beam.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
664	1	1800	1	C	23¾" x 5'-0"	20.0		D 2	West India Dock Company	Suspended in 1799. Re-ordered in 1800. For Grinding Mortar. Purchased by Ralph Walker for the East London Water Works Co. in 1807.
<b><u>Leith Dock</u></b>										
659	3	1800	1	SSL	13" x 2'-0"	4.0		LH 3	Leith Dock	Not erected in 1805. Sold to Messrs G Dunlop & Co. and erected by them at a Distillery near Linton, Haddingtonshire, Scotland, in August 1806.
659	1	1802			16" x 4'-0"	8.0			Leith Dock	Originally Lancaster Canal Co. Sold to the Crinean Canal Co, afterwards transferred to Leith Dock in 1802.
<b><u>East India Dock</u></b>										
655	8	1803	1	S	36" x 8'-0"	27.8		H 5	East India Dock	At Blackwall.
<b><u>East India Company, Bombay</u></b>										
650	10	1807	1	S	36" x 8'-0"	27.6		O 6	East India Company, Bombay	
<b><u>Ramsgate Harbour</u></b>										
919	1	1807	1		16" x 2'-0"	6.0		ZU 6	Ramsgate Harbour	
<b><u>Liverpool Docks</u></b>										
660	1	1811	1	SSL	16" x 2'-0"	6.0		ZW 8	Liverpool Docks	
660	1	1814	1	Ind	22" x 3'-0"	14.0		MM 8	Liverpool Docks	
660	19	1826	2	SL	23¾" x 2'-6"	40.0			UM 10/RF 11	Liverpool Docks UM: Two Pumps 24" diameter x 5'-0" to 2-0 stroke. (Also RF the same).
660	1	1841	1	Ind		14.0		JM 9	Liverpool Docks	
<b><u>St Katherine's Dock</u></b>										
661	56	1827	2	C	44" x 7'-0"	160.0		QA & QB 11	St Katherine's Dock	
<b><u>Sheerness Dockyard</u></b>										
662	1	1813	2	Ind	22" x 3'-0"	28.0		K & O 8	Sheerness Dockyard	K & O each Two Pumps 24" diameter x 30 feet long.
662	24	1813	1	S	48" x 8'-0"	49.1		AA 8	Sheerness Dockyard	Pump 42" diameter x 8'-0" stroke. Lift 30 feet.
662	1	1823	1	S	48" x 8'-0"	49.1		YP 9	Sheerness Dockyard	Pump 42" diameter.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Woolwich Dockyard</u></b>										
663	1	1814	2	Ind	22" x 3'-0"	28.0		GG & II 8	Woolwich Dockyard	GG Tilt Engine. II Blowing Engine.
663	1	1815	1	C	23¾" x 5'-0"	20.0		MM 8	Woolwich Dockyard	Forge Engine.
663	17	1840	1	S	36" x 8'-0"	27.6		KA 12	Woolwich Dockyard	Per Mr J Walker.
<b><u>Dublin Custom House Dock</u></b>										
652	7	1815	1	C	23¾" x 5'-0"	20.0		I 8	Dublin Custom House	Two Pumps 21" diameter.
<b><u>Chatham Dockyard</u></b>										
651	1	1815	1	S	48" x 8'-0"	49.1		X 8	Chatham Dockyard	Pump 48" diameter x 8'-0" Stroke.
651	1	1828	1	Ind		10.0		IR 9	Chatham Dockyard	
651	1	1836	1	Ind		14.0		JK 9	Chatham Dockyard	
651	1	1841	1	Ind		16.0		JN 9	Chatham Dockyard	
651	90	1843	2	Ind	32½" x 6'-0"	80.0		JF & JG 13	Chatham Dockyard	Rolling Mill Engines.
<b><u>Commissioners of the Navy. Prince of Wales Island</u></b>										
751	1	1805	2	SSL		12.0		ZG 5	Commissioners of the Navy	East Indies. Please see under Small Side Lever Engines on Reel 187.
<b><u>Houth Harbour</u></b>										
778	2	1870	1	SSL	16" x 2'-0"	6.0		ZX 7	Houth Harbour	For Grinding Mortar. Please see under Small Side Lever Engines on Reel 187.
<b><u>REEL 180</u></b>										
<b><u>DOCK &amp; HARBOUR ENGINES</u></b>										
<b><u>Devonport Dockyard</u></b>										
653	36	1834	1	S	30¾" X 6'-0"	15.1		NG 12	Devonport Dockyard	
653	1	1835	1	Ind		20.0		OI 12	Devonport Dockyard	
654	27	1850	2	Invt	48" x 8'-0"	98.2		FT 13/FU 13	Devonport Dockyard	

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Portsmouth Dockyard</u></b>										
541	1	1843	1	Ind	44" x 7'-0"	80.0		JD 13	Portsmouth Dockyard	Rolling Mill.
541	1	1855	1	Ind	? x 7'-0"	80.0		BE 14	Portsmouth Dockyard	Rolling Mill.
<b><u>Keyham Dockyard</u></b>										
657	56	1847	2	S	48" x 8'-0"	98.2		GO 13/GP 13	Keyham Dockyard	42" Pumps.
<b><u>MINT ENGINES</u></b>										
<b><u>Calcutta Mint</u></b>										
707	7	1822	2	CB	32 <sup>1</sup> / <sub>3</sub> "x6'-0"	40	19	XO 9	Calcutta Mint	Rolling Mill Engines.
707	5	1822	1	CB	? x 5'-0"	20		SS 8	Calcutta Mint	Coining Engine.
707	7	1822	1	Ind	? x 2'-6"	14		GZ	Calcutta Mint	Workshop and General Engine.
707	6	1822	1	CB	? x 5'-0"	24		WS 10	Calcutta Mint	Cutting out Engine.
707	69	1822							Calcutta Mint	Miscellaneous Drawings.
<b><u>Bombay Mint</u></b>										
708	5	1823	1	EC	x 2'-6"	10	34	EC 9	Bombay Mint	General Engine.
708	6	1823	1	CB	x 5'-0"	24	21½	VB 10	Bombay Mint	Cutting out and Coinage Engine.
708	5	1823	1	CB	x 6'-0"	40	19	VS 10	Bombay Mint	Rolling Mill Engine.
708	57	1823							Bombay Mint	Miscellaneous drawings.
<b><u>Lisbon Mint</u></b>										
709	1								Lisbon Mint	
<b><u>Danish Mint</u></b>										
710	5	1805	1		17 <sup>2</sup> / <sub>3</sub> " x 4'-0"	14	25	F14 5	Danish Mint	Probably Danish Admiralty.
710	5	1805	1		23 <sup>3</sup> / <sub>4</sub> " x 5'-0"	20		E20 6	Danish Mint	Forge Engine. Probably Danish Admiralty.
710	2	1805	1		16" x 4'-0"	8		D8 6	Danish Mint	Bellows Engine.
710	9	1805							Danish Mint	Miscellaneous.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>REEL 181</u></b>										
<b><u>MINT ENGINES</u></b>										
<b><u>Portuguese Mint</u></b>										
711	1	1835	1	Ind	? x 3'-0"	14	30	JE 9	Portuguese Mint	For Willcox & Anderson.
<b><u>Guanaxuato Mint</u></b>										
	35	1825	1	Ind	? x 3'-0"	14	30		Guanaxuato Mint	Agents: Robert Musket & Barclay, Herring, Richardson & Co.
711	35	1825	1	Ind	? x 2'-6"	10	34		Guanaxuato Mint	
<b><u>Cullachan Mint</u></b>										
712	8	1833	1	DbC					Cullachan Mint	Driven by cattle.
<b><u>Russian Mint</u></b>										
713	9	1802	1	CB	? x 5'-0"	20		ER 2	Russian Mint	Coining Engine.
713	8	1802	1	CB	36" x 6'-0"	50		HP 1	Russian Mint	Rolling Mill Engine.
713	14	1802							Russian Mint	Miscellaneous Drawings.
<b><u>Brazil Mint</u></b>										
715	36	1811	1	Ind	? x 2'-6"	10		ZK 7	Brazil Mint	
<b><u>Royal Mint</u></b>										
716	38	1806							Royal Mint	Various Drawings.
716	6	1806	1	CB	21½" x 5'-0"	16	21	F 6	Royal Mint	Cutting Out Engine. Ordered by Matthew Boulton.
716	4	1806	1	CB	28⅞" x 6'-0"	30	19¼	E 6	Royal Mint	Rolling Mill Engine. Ordered by John Rennie.
716	3	1807	1	SSL		6		40	Royal Mint	Ordered by John Rennie.
716	4	1807	1	Ind	? x 2'-6"		10	ZY 6	Royal Mint	Coining Engine. Ordered by Matthew Boulton.
716	1	1840	1	SSL		6		IW 9	Royal Mint	

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>WATER WORKS ENGINES</u></b>										
<b><u>Colchester</u></b>										
1073	7	1810	1	C	17 $\frac{3}{8}$ " x 4'-0"	7 $\frac{1}{4}$ " x 4'-0"	4.5	F 7	Colchester Water Works	Taken at 4 $\frac{1}{2}$ HP. Single Acting Pump.
<b><u>Woolwich</u></b>										
1074	7	1809	1	S	21 $\frac{3}{8}$ " x 5'-0"	8 $\frac{1}{4}$ " x 5'-0" 8 $\frac{1}{4}$ " x 4'-2"	7.6	PP 7	Woolwich Water Works	With Well Pump. 16 Strokes. Single Acting Pump.
<b><u>Portsmouth &amp; Farlington</u></b>										
	6	1808	1	C	36" x 8'-0"	17" x 8'-0"	55.2	Z 7	Portsmouth & Farlington Water Works	Single Acting Pump.
<b><u>Lambeth</u></b>										
1076	25	1811	1	C	30 $\frac{3}{4}$ " x 6'-0"	19" x 3'-8"	30.2	Y 7	Lambeth Water Works	Double Acting Pump.
<b><u>Kent</u></b>										
1077	20	1810	1	C	36" x 8'-0"	17 $\frac{1}{4}$ " x 8'-0"	55.2	E 7	Kent Water Works	Single Acting Pump.
1077	15	1812	1	C	36" x 8'-0"	17 $\frac{1}{4}$ " x 8'-0" 13 $\frac{5}{8}$ " x 6'-4"	55.2	YY 8	Kent Water Works	Single Acting Pump.
<b><u>REEL 182</u></b>										
<b><u>WATER WORKS ENGINES</u></b>										
<b><u>Hamburg</u></b>										
1078	132	1845	2	S	48" x 8'-0"	16 $\frac{1}{2}$ " x 8'-0" 20" x 5'-6"	98.2	IH & I 13	Hamburg Water Works	Single Acting Pump. (3 folders of drawings).
<b><u>New River</u></b>										
1079	157	1854	2	C	60" x 8'-0"		400	CI & CT 14	New River Water Works	Stoke Newington. Bucket & Plunger Pumps. (Plunger 30 $\frac{9}{16}$ ", Bucket 43 $\frac{3}{4}$ ", Stroke 4'9"). (Plunger 22", Bucket 31 $\frac{1}{8}$ ", Stroke 7'-0"). (4 folders of drawings).

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
1080	11	1835	1	Ind	21" x 6'-0"	14	JF 9	New River Water Works		Cheshunt. Two Pumps, Single Acting.
1081	7	?	1	S	36" x 7'-0"	32" x 7'-0"	24.1	F 8	New River Water Works	Newington Engine originally made for Eau Brink Cut. Single Acting Pump.
	64	1847	1	C	36" x 6'-0"	3 at (10½" x 3'-0") 3 at (12½" x 3'-0")	50	FM 13	New River Water Works	Lordships Lane, Newington. Three Throw Pumps, Single Acting.
1084	34	1848	1	BT	? x 3'-6"		50	FN 13	New River Water Works	Tottenham Court Road.

### REEL 183

#### WATER WORKS ENGINES

##### New River

1085	20	1845	1	Ind	? x 5'-0"	17" x 5'-0"	24	IO 13	New River Water Works	Umwell. Two Pumps, Single Acting.
1086	16	1845	1	BT		3 at (10½" x 3'-0")	20	IP 13	New River Water Works	Highgate.
1087	21	1829	1	Ind		12" x 6'-0"	20	PG 11	New River Water Works	Tottenham Court Road. (Designs for 66" Proposed). Two Pumps, Single Acting.
1089	4	1811	1	S	48" x 8'-0"	26" x 8'-0"	49.1	W 7	New River Water Works	Western Engine. Single Acting Pump.
1089	86	1812	1	S	48" x 8'-0"	29" x 8'-0" 20" x 6'-0"	49.1	XX 8	New River Water Works	Eastern Engine. Single Acting Pump.
1091	6	1823	1	Invt	66" x 9'-0"	33" x 9'-0"	102.6	VU 10	New River Water Works	Broken Wharf Engine. Removed to Tottenham. Single Acting Pump.
1091	64	1830	1	Invt	66" x 9'-0"	40½" x 9'-0"	102.6	PJ 11	New River Water Works	Tottenham. Originally at Broken Wharf. Single Acting Pump.

##### York Buildings

1092	34	1810	1	S	54 x 8'-0"	21½" x 6'-0"	62.1	H 7	York Buildings	Sold to the Eat London W W in 1824
	4	1810	1	ChB	54 x 8'-0"	21½" x 8'-0"		H 7	York Buildings	

Portfolio Number	Approx. No. of Drawings	Earliest Date on Drawings	No. of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Glasgow</u></b>										
1094	15	1817	1	S	26 $\frac{1}{4}$ " x 6'-0"	11" x 6'-0"	12.8	YG 9	Glasgow Water Works	YG: Lift 85 feet, from Sidney Street to Rotton Row Basons. Single Acting Pump.
1095	48	1806	2	S	36" x 7'-0"	14" x 7'-0" 16" x 5'-3"	48.2	XX & WW 6	Glasgow Water Works	16" are Well Pumps. Well 40 feet from Engine House Floor. Single Acting Pumps.
1096	15	1815	1	S	54" x 8'-0"	22" x 8'-0"	62.1	U 8	Glasgow Water Works	To raise water from the Springs near Dalmarnock to top of Tower, at Sidney Street Reservoir. Single Acting Pump.
1096	10	1821	1	S	43" x 8'-0"	22" x 8'-0"	62.1	WI 10	Glasgow Water Works	Single Acting Pump.
1097	30	1828	2	S	54" x 8'-0"	22" x 8'-0"	124.2	QS & QT 11	Glasgow Water Works	Single Acting Pump.
<b><u>Clifton</u></b>										
1099	110	1845	2	Invt	39" x 6'-0"	18" x 6'-0"	48.6	IQ & R 13	Bristol Water Works	Single Acting Pump. (2 folders of drawings).
<b><u>REEL 184</u></b>										
<b><u>WATER WORKS ENGINES</u></b>										
<b><u>Grand Junction</u></b>										
1106	45	1810	1	S	54" x 8'-0"	28" x 8'-0"	62.1	D 7	Grand Junction Water Works	Paddington. Single Acting Pump.
<b><u>Cranston Hill</u></b>										
1108	20	1810	2	S	36" x 7'-0"	16" x 7'-0"	48.2	P & Q 7	Cranston Hill Water Works	Single Acting Pump.
<b><u>Liverpool</u></b>										
1110	9	1801	1	SSL			2.0	3	Liverpool Water Works	Bootle. Single Acting Pump.
	1	1805	1		14" x 3'-0"		20		Liverpool Water Works	Bootle. Purchased from the Hereford Flour Co. in 1804.
<b><u>Manchester</u></b>										
1111	9	1808	1	S	48" x 8'-0"	24" x 8'-0"	49.1	FE 7	Manchester Water Works	Reservoir Engine. Single Acting Pump.



Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Aberdeen</u></b>										
1112	15	1830	2	S	36" x 7'-0"	14" x 7'-0"	48.2	PH & J 11	Aberdeen Water Works	Single Acting Pump.
<b><u>Dublin</u></b>										
1113	7	1804	1	C	23¾" x ?	11" x 3'-0" 11" x 3'-0"	20	LL 5	Dublin Water Works	Ireland. Sold to Messrs Jamieson & Co. in 1808 to be erected at the Distillery in Dublin. Single Acting Pump.
<b><u>Southwark</u></b>										
1114	10	1819	1	C	30¾" x 6'-0"	22" x 3'-8"	36	YM 9	Southwark Water Works	Double Acting Pump.
<b><u>Chelsea</u></b>										
1115	15	1818	1	S	54" x 8'-0"	24" x 8'-0"	62.1	XF 9	Chelsea Water Works	Single Acting Pump.
1116	21	1803	1	S	48" x 8'-0"	17¼" x 8'-0"	49.1	CW 5	Chelsea Water Works	Pimlico Wharf. See Farcy on the <i>Steam Engine</i> , page 722. Single Acting Pump.
1117	41	1810	1	S	50" x 8'-0"	17¾" x 8'-0"	53.2	L 7	Chelsea Water Works	Single Acting Pump.
<b><u>West Middlesex</u></b>										
1118	68	1825	1	S	64" x 8'-0"	23" x 8'-0" 20" x 6'-0"	87.3	SW 11	West Middlesex Water Works	Single Acting Pump.
1119	30	1814	1	S	54" x 8'-0"	22" x 8'-0"	62.1	T 8	West Middlesex Water Works	Single Acting Pump.
<b><u>East London</u></b>										
1120	6	1824	1	S	54" x 8'-0"	21½" x 8'-0"	62.1	H 7	East London Water Works	Originally constructed for York Buildings & sold by them to East London Water Works in 1824. Single Acting Pump.
1121	17	1817	1	S	60" x 8'-0"	27" x 8'-0"	76.7	YO 9	East London Water Works	Single Acting Pump.
1121	8	1826	1	S	60" x 8'-0"	27" x 8'-0"	76.7	RK 11	East London Water Works	Single Acting Pump.
1122	24	1807	2	C	36" x 8'-0"	17¼" x 8'-0" 14½" x 6'-4"	110.4	L&V 6&7	East London Water Works	Single Acting Pump.
1122	1		1				20		East London Water Works	Old Rotative Engine.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Guanaxuato Mint</u></b>										
711	)	1825	1	Ind	x 3'-0"	14	30			Robert Musket & Barclay, Herring, Richardson & Co.
	)	70								
711	)	1825	1	Ind	x 2'-6"	10	34			
<b><u>Cullachan Mint</u></b>										
712	8	1833		DbC						
<b><u>Russian Mint</u></b>										
713	9	1802	1	CB	x 5'-0"	20		ER 2		Coining Engine
713	8	1802	1	CB	36" x 6'-0"	50		HP 1		Rolling Mill Engine
713	14									Miscellaneous Drawings
<b><u>Brazil Mint</u></b>										
715	36	1811	1	Ind	x 2'-6"	10		ZK 7		
<b><u>Royal Mint</u></b>										
716	38	1806								Various Drawings
716	6	1806	1	CB	21½" x 5'-0"	16	21	F 6		Cutting Out Engine. Ordered by Matthew Boulton
716	4	1806	1	CB	28⅞" x 6'-0"	30	19¼	E 6		Rolling Mill Engine. Ordered by John Rennie
716	3	1807	1	SSL		6	40			Ordered by John Rennie
716	4	1807	1	Ind	x 2'-6"		10	ZY 6		Coining Engine. Ordered by Matthew Boulton
716		1840	1	SSL			6	IW 9		

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Soho Mint</u></b>										
714	1		1	SP	26" x 6'-0"				Soho Mint	
714	1		1		16" x 4'-0"				Soho Mint	
714	4	1825	1	Ind	? x 2'-6"	10			Soho Mint	
714	34	1825							Soho Mint	Odd drawings, including Boilers for Engine above.
714	11	1824							Soho Mint	Drawings of Lathe.
714	8								Soho Mint	Plans of Mint.
714	16	1788							Soho Mint	Cutting Out Gear.
714	18	1850							Soho Mint	Drawings of Coining Presses, 1850-1851.
714	4	1863							Soho Mint	Drawings of Coining Presses, 1863-1865.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>GAS PLANTS</u></b>										
804	14	Sept 1805							Messrs Phillips and Lee	
805	5	April 1811							Messrs Benyon, Benyon & Bage	Near Shrewsbury.
806	3	Nov 1811							Messrs Huddart & Co. Rope Manufactory	Limehouse.
807	5	Aug 1814							Messrs Williams Jones & Co.	
808	6	May 1814							John Maberley. Broadford Mill	Aberdeen.
809	4	May 1809							Messrs Neilson & Co.	
810	5	April 1811							Messrs Marshall Hutton & Co.	Shrewsbury.
811	4	Aug 1809							Messrs Marchall Hibes & Co.	
812	12	Dec 1808							Messrs Wormald, Gott and Wormald	
813	9	April 1810							Messrs Lister Ellis & Co.	Burley near Otley, Yorkshire.
814	4	June 1810							Messrs T Coupland & Sons (Thomas)	Leeds.
815	4	June 1810							Messrs John Thomas & Edward Lewis	Manchester.
816	5	Sept 1808							Messrs H H Birley & Co.	Manchester.
817	7	Oct 1808							James Kennedy	
818	1	Sept 1806							Messrs Strutt	Milford Mills.
819	3	April 1809							Messrs Richard Gillespie & Co.	
820	2	July 1809							Benjamin Gott	Urmley Mills.
	25									Miscellaneous drawings, including P Marstrand, Birley & Hornby at Chorlton, McConnel & Kennedy, The European Gas Company in London, and various circulars.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b>REEL 185</b>										
<b>SIDE-LEVER TYPE</b>										
1030	3	1824	1	SL	31½" x 3'-0"	30	30	WO 10	Edward Davies	Stonehouse near Stroud.
1031	3	1824	1	SL	? x 3'-0"	30	30	WP 10	Charles Wilkins & Co.	Twiverton Mills near Bath.
1032	1	1823	1	SL	? x 2'-6"	20	34	WQ 10	Messrs Henry Wyatt & Co.	Vatch Mills, near Stroud. First Engine of this type.
1033	3	1823	1	SL	? x 2'-6"	20	34	WR 10	Messrs Edward & Thomas Neal & Co.	Wootton under Edge. See also Portfolio No. 1036.
1034	2	1829	1	SL	? x 2'-6"	20	34	UD 10	Messrs John Pooley & Son	Manchester. Beam Engine also shown.
1035	20	1825	2	SL	31½" x 3'-0"	60	30	VN 10	Messrs Brandram Brothers & Co.	Lead Works. Rotherhithe. Blowing cylinder placed over piston rod.
1036	4	1825	1	SL	39½" x 3'-6"	50	27	SE 11	Messrs Edward & Thomas Neal & Co.	Wootton under Edge. See also Portfolio No. 1033.
1037	3	1825	1	SL	31½" x 3'-0"	30	30	SH 11	Nathan Driver	Peghouse Mill near Stroud.
1038	2	1827	1	SL	31½" x 3'-0"	30		QC 11	Messrs McConnell & Co.	Previously McConnell & Kennedy.
1039	2	1828	1	SL	31½" x 3'-0"	30	30	YF 9	Thomas Townsend	With Winding Drum 6'-0" diameter. Purchased by Messrs Townsend Brothers of Cullingworth and erected for them in 1824.
1040	12	1828	1	SL	47½" x 4'-A"	80	23	RZ 11	Messrs Birley, Hornby & Kirk	100 HP Engine as well.
1041	13	1831	1	SL	42" x 4'-0"	60	25	PP 11	Messrs Joseph Clark & Sons	Hope Mills Manchester. 80 HP Engine as well.
1042	11	1831	1	SL	35½" x 3'-0"	40	27	PX 12	Messrs Thomas Harrison & Sons	Staleybridge.
1043	15	1831	1	SL	42" x 4'-0"	60	25	PW 12	Hugh Beaver	
1044	15	1832	1	SL	39½" x 3'-6"	50	27	QR 11	Messrs Birley & Kirk	
1045	28	1832	2	SL	42" x 4'-0"	120	25	OH & NP 12	Messrs Samuel Grey & Co.	Bollington. Gas Plant shown on drawings.
1046	3	1832	1	SL	42" x 4'-0"	60	25	OC 12	Messrs Harrison & Son	Staleybridge.
1047	11	1832	1	SL	26¾" x 2'-6"	20	34	OR 12	Messrs George Cheetham & Sons	In same Engine House as Portfolio 1058.
1048	9	1833	1	SL	31½" x 3'-0"	30	30	QI 11	Messrs Combe Delafield & Co.	Longacre. Their 26 HP was originally only of 10 HP, made for Gifford & Co in 1787, altered in 1798 to 20 HP, afterwards to 26 HP in 1817. Cylinder 26¾" x 6'-0" Stroke.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
1049	18	1833	2	SL	42" x 4'-0"	120	25	OK & NY 12 NY 1836	Messrs George Cheetham & Sons	Staleybridge.
1050	7	1834	1	SL	35½" x 3'-6"	40	27	RV 11	Messrs Samuel Greg & Co.	Bury.
1051	23	1836	2	SL	39" x 3'-6"	100	27	MR & MS 12	Messrs Birley & Co.	Chorlton Mills. On the Bank of River Medlock. Additional 100 HP & 80 HP engines as well.
1052	11	1837	1	SL	32¾" x 2'-6"	30	34	LY 12	Messrs Charles Mackintosh & Co.	On 20 HP framing; in same Engine House as Portfolio No. 1066.
1053	35	1839	1	SL	32¾" x 2'-6"	30		KB 12	Mary Bodington & Sons	Britannia Flour Mills. Birmingham. 32¾ is figured on drawing. On 20 HP framing coupled to one of Fairbairn's Side Lever.
1054	4	1841	1	SL	? x 3'-0"	30		KR 12	Messrs Whitbread & Co.	Sun & Planet engine also shown. London.
1055	11	1851	2	SL	35½" x 3'-0"	76	30	KN 12	Messrs the Agua Fria Gold Mining Co.	On the Agua Fria River, Mariposa district, California USA.
1056	1	1827	1	SL	26¾" x 2'-6"	20	34	SC 11	Thomas Bury	Salford near Manchester.
1057	2	1827	1	SL	26¾" x 2'-6"	20	34	RG 11	William Long	Kingswood. Wootton under Edge.
1058	3	1827	1	SL	26¾" x 2'-6"	20	34	QH 11	Messrs George Cheetham & Sons	Staleybridge.
1059	3	1828	1	SL	26¾" x 2'-6"	20	34	QQ 11	J C Drewsen (J A Droop agent)	Strand Mullen. Copenhagen.
1060	3	1825	1	SL	26¾" x 2'-6"	20	34	UI 10	Richard Ford	Wootton under Edge.
1061	3	1825	1	SL	26¾" x 2'-6"	20	34	UK 10	Samuel Long	Charfield near Wootton under Edge. New 30¾" diameter cylinder.
1062	7	1825	1	SL	26¾" x 2'-6"	20	34	UN 10	Messrs Curries & Co. Brewers.	Bromley near London. Two Engines shown, one a 25 HP. See Portfolio No. 1063 below.
1063	1	1939	1	SL	? x 2'-6"	25	34	RY 11	Messrs Curries & Co.	In same Engine House as Portfolio No. 1062.
1064	4	1825	1	SL	26¾" x 2'-6"	20	34	UQ 10	Messrs Fairbairn & Lillie	Manchester.
1065	2	1825	1	SL	26¾" x 2'-6"	20	34	NH 12	Thomas Houldsworth	Altered to 38 Revolutions. See 25 HP below. Manchester. To assist the 40 HP.
1065	1	1847	1	SL	?	25	34	SB 11	Thomas Houldsworth	In same Engine House as item above.
1066	10	1825	1	SL	26¾" x 2'-6"	20	34	UE 10	Messrs Charles Mackintosh & Co.	See also Portfolio No. 1052 above.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
1067	1	?	1	SL	32¾" x 2'-6"	30	34		Messrs Charles Mackintosh & Co.	See also Portfolio No. 1066.
1068	1	1825	1	SL	26¾" x 2'-6"	20		UP 10	Messrs Charles Mackintosh & Co.	Per Peter Ewart & Co.
1069	11	1829	1	SL	47½" x 4'-6"	80	23	QO 11	Messrs Benjamin Gott & Sons	Leeds. With another 80 HP and one 40 HP engine.
1069	17	1836	1	SL	17½" x 4'-6"	80	23	QW 11	Messrs James Kennedy & Co.	

### ENGINES OF THE INDEPENDENT TYPE SUPPLIED TO THE SUGAR PLANTATIONS

#### Trinidad

746	3	1804	1	Ind		6	40	ZP 6		Ordered by John Rennie. Called Trinidad Engine.
765	2	1808	1	Ind		6	40	ZA 6	Sir Alex Cochrane	Ordered by Thomas Daniel & Sons . Mill by Rennie.
765	1	1808	1	Ind		6	40	ZB 6	Sir Alex Cochrane	Ordered by Thomas Daniel & Sons . Mill by Rennie. Merchants Marks: <u>AFC</u>
		G								
775	1	1809	1	Ind		6	40	ZS 7	Manning Anderton & Bosanquet	Ordered by Manning Anderton & Bosanquet.
792	1	1812	1	Ind		6	40	ZG 8	Robert Selkrig	See under Demerara.
793	1	1812	1	Ind		6	40			Ordered by Thomas Daniel & Sons .
794	1	1811	1	Ind		6	40	ZY 8	E Claxton	Ordered by Protheroe and Claxton, Bristol.
	1	1812	1	Ind		6	40	ZM 8		Ordered by Robert & William Pulsford. See under Demerara.
[Please note that one single drawing covers items 792-795. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]										
	3	1811	1	Ind	? x 2'-6"	10	34	ZA 8	Sevilla Estate. Messrs Gordon & Montgomery.	Agent was John McCaul.
	4	1810	1	Ind	? x 2'-6"	10	34	ZM 7	Lushington & Son. Union Estate.	Located in Point a Pierre Quarter.
867	15	1812	1	Ind	19¾" x 2'-6"	10	34	ZO 8	Money Musk Estate	Agents were William & Roland Mitchell. Merchants Marks: M ROS

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
872	2	1814	1	Ind	16" x 2'-0"	6	40	ZAM 8	Mr Purcell at Harmony Hall Plantation, Trinidad	Ordered by William Lushington Junior (Agent). First Beam Engine with A Frame.
873	2	1814	1	Ind	16" x 2'-0"	6	40	ZBA 8	Thomas McKenzie at St Thomas in the East Plantation, Port Morant, Jamaica	Ordered by Gilbert Matthison, Lime Street Square (Agent). With A Frames. See under Jamaica.
874	2	1814	1	Ind	16" x 2'-0"	6	40	ZBB 8	Robert Allen, St James Street, London	For his estate at Orange Cover, Hanover, Jamaica. With A Frames. See under Jamaica. Merchants Marks: ZBB OC
875	2	1814	1	Ind	16" x 2'-0"	6	40	ZBC 8	Harmony Hall Plantation, Jamaica	Ordered by France Fletcher Yates & Co., Liverpool (Agents). See under Jamaica.
876	2	1815	1	Ind	16" x 2'-0"	6	40	DA 8		Ordered by Thomas & William King (Agents). With A Frames. See under Demerara.
	2	1814	1	Ind	16" x 2'-0"	6	40	ZBN 8	Claremont Estate Plantation for	Ordered by Kingstons, Lambert & Egan, Robert Kingston 55 Old Broad Street (Agents). With A Frames. See under Jamaica.
	2	1815	1	Ind	?	10	40	ZBX 8		Ordered by William & Roland Mitchell. With A Frames. For Sugar Plantation. Merchants Marks: t HD
879	2	1815	1	Ind	16" x 2'-0"	8	40	ZCK 8	Mr Munro	Ordered by Thomas Daniel & Sons. With A Frames.
	2	1815	1	Ind	16" x 2'-0"	6	40	ZCQ 8	Mr Hall at Round Hill Plantation, Hanover, Jamaica	Ordered by Charles Lawrence (Agents). With A Frames. See under Jamaica.
881	2	1815	1	Ind	16" x 2'-0"	6	40	ZCR 8	Ashley Hall Estate, Jamaica	Ordered by France Fletcher Yates & Co., Liverpool (Agents). With A Frames. See under Jamaica. Merchants Marks: A also A F.R.
	2	1815	1	Ind	16" x 2'-0"	6	40	CY 8	Mr P McGarel at Hamburg Estate, Demerara	Ordered by Campbell Bowden & Co. (Agents). With A Frames. See under Demerara.
[Please note that the same two single drawings cover items 872-882. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]										
891	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZV 8	J Wildman's Estate, Jamaica	Ordered by Addison & Bagott, Liverpool (Agents). See under Jamaica.



Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
892	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAD 8	A G Milne, Fenchurch Street	See under Engines supplied to various Manufacturers in the British Isles.
893	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAA 8	Union Estate, Trinidad Sir Thomas Picton	Ordered by Marryat & Son. Mill by Mr Rennie. Merchants Marks: <u>Un</u> & <u>U</u> ZAA WF
894	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAP 8	Mainstay Plantation, Essequibo	Ordered by Robert & William Pulsford (Agents). Increased to 12 HP in 1832. See under Essequibo. Merchants Marks: IH
895	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAQ 8	Pusey Hall Plantation, Jamaica	Ordered by Robert Birkett, Lancaster (Agent). See under Jamaica. Merchants Marks: PH
	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZW 8		Ordered by Henry Wildman, Fen Court, Fenchurch Street, London (Agent). See under Jamaica. Merchants Marks: E HW
									[Please note that one single drawing covers items 891-896. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]	
	2	1817	1	Ind	? x 2'-0"	6	40	CZ 8	Streatham Lodge Estate	Ordered by William Lushington Junior. With A Frames.
973	2	1821	1	Ind	? x 2'-0"	6	40	GG 9	J C Drewsen	Copenhagen. See under Engines supplied to Manufacturers in Foreign Countries. Ordered by Gibson & Fomm, London. Covered by same Drawings as Portfolio No. 972.
	1	1836	1	Ind	?	6		HU 9		Ordered by Richard Bridges for Plantation in Trinidad. Mill by Rennies. Portfolio also includes drawings for engine in Darien and one in Jamaica.
<b><u>Tobago</u></b>										
	5	1808	1		17½" x 2'-6"	8	34	ZL 7	Mr Morison	Ordered by Inglis Ellice & Co. (Agents). Merchants Marks: F INT

E

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Essequibo</u></b>										
755	1	1805	1	Ind		6		ZC 5	Mr Symonds	Friendships Plantation. King No. 1.
755	1	1805	1	Ind		6		ZD 5	Mr Symonds	Saratro Plantation. King No. 2.
796	1	1813	1	Ind		6	40	ZAH 8		Ordered by Thomas Daniels & Son for Plantation in Berbice. See under Berbice.
797	1	1813	1	Ind		6	40	ZAI 8		Ordered by R Bruce & A Moens for Plantation in Surinam. See under Surinam.
	1	1813	1	Ind		6	40	ZAG 8	Manningfield Estate, Jamaica	Ordered by Vaughan and Longmore (Agents). John Ashley later erected this engine on the Ashley Hall Estate. See under Jamaica. Merchants Marks: A
799	1	1813	1	Ind		6	40	?		Ordered by Thomas King.
800	1	1813	1	Ind		6	40	ZAF 8	Mr McNeill	Ordered by Alex Henry (Agent). See under Demerara.
	1	1814	1	Ind		6	40	ZAN 8	Mr Charles Dickson	Ordered by John & Robert Gladstone, Merchants, Liverpool for Sans Sorrü Estate, Wakenham Island, Essequibo. Bell Crank.
	1	1814	1	Ind		6	40	ZAX 8	Mr Fraser	Ordered by Moreton & Foster (Agents) possibly for Kelly's Estate, Demerara. See under Demerara. Bell Crank.
[Please note that one single drawing covers items 796-802. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]										
850	2	1809	1	Ind		8		ZP 7	Ordered by Thomas King.	Mount Pleasures Plantation in Essequibo? Merchants Marks: MP
858	4	1810	1	Ind	19¼" x 2'-6"	10	34	ZG 7	Mr Bunbury on the sea coast west of Essequibo.	Ordered by Garden & Sons, Glasgow, for Plantation Erected by Witherspoon.
891	1	1813	1	Ind	19¼" x 2'-6"	10	34	ZV 8	J Wildman's Estate, Jamaica	Ordered by Addison & Bagott, Liverpool (Agents). See under Jamaica.
	1	1813	1	Ind	19¼" x 2'-6"	10	34	ZAD 8	A G Milne, Fenchurch Street	See under Engines supplied to various Manufacturers in the British Isles.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
893	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAA 8	Union Estate, Trinidad Sir Thomas Picton	Ordered by Marryat & Son. Mill by Mr Rennie. See under Trinidad. Merchants Marks: <u>Un</u> & <u>U</u> ZAA WF
894	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAP 8	Mainstay Plantation, Essequibo	Ordered by Robert & William Pulsford (Agents). Increased to 12 HP in 1832. Merchants Marks: IH
895	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAQ 8	Pusey Hall Plantation, Jamaica	Ordered by Robert Birkett, Lancaster (Agent). See under Jamaica. Merchants Marks: PH E
	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZW 8		Ordered by Henry Wildman, Fen Court, Fenchurch Street, London (Agent). See under Jamaica. Merchants Marks: E HW
									[Please note that one single drawing covers items 891-896. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]	
	2	1816	1	Ind	20¾" x 3'-0"	12	30	DC 8	Plantation Coffee Grove, Essequibo	Ordered by Sandbach Tinne & Co, Liverpool (Agents). Mill by Rennie. Increased to 14 HP in 1845 for W S Channery.
	2	1817	1	Ind	20¾" x 3'-0"	12	30	FC 9		Ordered by N Winter & Co. for Plantation in Demerara. Merchants Marks: AP MH
	2	1818	1	Ind	20¾" x 3'-0"	12	30	FD 9	Friendship Plantation, Demerara	Ordered by Thomas & William King. See under Demerara. Merchants Marks: F
	2	1820	1	Ind	20¾" x 3'-0"	12	30	FT 9	Caswell Hill Plantation, Jamaica	Ordered by France Fletcher Yates & Co. (Agents). Converted to a 14 HP high pressure engine in 1845. Merchants Marks: K CH
									[Please note that two single drawings covers items 948-951. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]	
<b>Demerara</b>										
755	1	1805	1	Ind		6		ZE 5	Belle Plaine Plantation, Demerara	King's Nephew.
787	2	1812	1	Ind		6	40	ZH 8	Ordered by John Burke & Co	. for Plantation in Demerara. Merchants Marks: GP B

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
790	1	1812	1	Ind		6	40	ZP 8	Donald McLean Dry River Estate, Jamaica.	Ordered by William & Roland Mitchell (Agents). Merchants Marks: DR FR
792	1	1812	1	Ind		6	40	ZG 8	Demerara.	Ordered by Robert Selkrig (Agent) for Plantation in
793	1	1812	1	Ind		6	40			Ordered by Thomas Daniel & Sons
794	1	1811	1	Ind		6	40	ZY 8	E Claxton for Plantation in Trinidad.	Ordered by Protheroe and Claxton, Bristol (Agents)
	1	1812	1	Ind		6	40	ZM 8		Ordered by Robert & William Pulsford (Agents) for Plantation in Demerara.
[Please note that one single drawing covers items 792-795. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]										
796	1	1813	1	Ind		6	40	ZAH 8		Ordered by Thomas Daniels & Son for Plantation in Berbice. See under Berbice.
797	1	1813	1	Ind		6	40	ZAI 8		Ordered by R Bruce & A Moens for Plantation in Surinam. See under Surinam.
	1	1813	1	Ind		6	40	ZAG 8	Manningfield Estate, Jamaica	Ordered by Vaughan and Longmore (Agents). John Ashley later erected this engine on the Ashley Hall Estate. See under Jamaica. Merchants Marks: A.
799	1	1813	1	Ind		6	40	?		Ordered by Thomas King.
800	1	1813	1	Ind		6	40	ZAF 8	Mr McNeill	Ordered by Alex Henry (Agent) for Plantation in Demerara.
	1	1814	1	Ind		6	40	ZAN 8	Mr Charles Dickson	Ordered by John & Robert Gladstone, Merchants, Liverpool for Sans Sorrü Estate, Wakenham Island, Essequibo. Bell Crank. See under Essequibo.
	1	1814	1	Ind		6	40	ZAX 8	Mr Fraser	Ordered by Moreton & Foster (Agents) possibly for Kelly's Estate, Demerara. Bell Crank.
[Please note that one single drawing covers items 796-802. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]										

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
872	2	1814	1	Ind	16" x 2'-0"	6	40	ZAM 8	Mr Purcell at Harmony Hall Plantation, Trinidad	Ordered by William Lushington Junior (Agent). First Beam Engine with A Frame. See Trinidad.
873	2	1814	1	Ind	16" x 2'-0"	6	40	ZBA 8	Thomas McKenzie at St Thomas in the East Plantation, Port Morant, Jamaica	Ordered by Gilbert Matthison, Lime Street Square (Agent). With A Frames. See under Jamaica.
874	2	1814	1	Ind	16" x 2'-0"	6	40	ZBB 8	Robert Allen, St James Street, London	For his estate at Orange Cover, Hanover, Jamaica. With A Frames. See under Jamaica. Merchants Marks: ZBB OC
875	2	1814	1	Ind	16" x 2'-0"	6	40	ZBC 8	Harmony Hall Plantation, Jamaica	Ordered by France Fletcher Yates & Co., Liverpool (Agents). See under Jamaica.
876	2	1815	1	Ind	16" x 2'-0"	6	40	DA 8		Ordered by Thomas & William King (Agents) for Plantation in Demerara. With A Frames.
	2	1814	1	Ind	16" x 2'-0"	6	40	ZBN 8	Claremont Estate Plantation for Robert Kingston	Ordered by Kingstons, Lambert & Egan, 55 Old Broad Street (Agents). With A Frames. See under Jamaica.
	2	1815	1	Ind	?	10	40	ZBX 8		Ordered by William & Roland Mitchell. With A Frames. For Sugar Plantation. Merchants Marks: t HD
879	2	1815	1	Ind	16" x 2'-0"	8	40	ZCK 8	Mr Munro	Ordered by Thomas Daniel & Sons. With A Frames.
	2	1815	1	Ind	16" x 2'-0"	6	40	ZCQ 8	Mr Hall at Round Hill Plantation, Hanover, Jamaica	Ordered by Charles Lawrence (Agents). With A Frames. See under Jamaica.
881	2	1815	1	Ind	16" x 2'-0"	6	40	ZCR 8	Ashley Hall Estate, Jamaica	Ordered by France Fletcher Yates & Co., Liverpool (Agents). With A Frames. See under Jamaica. Merchants Marks: A also A F.R.
	2	1815	1	Ind	16" x 2'-0"	6	40	CY 8	Mr P McGarel at Hamburg Estate, Demerara	Ordered by Campbell Bowden & Co. (Agents). With A Frames.

[Please note that the same two single drawings cover items 872-882. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
897	1	1815	1	Ind	19¾" x 2'-6"	10		ZBL 8	James Miller & Co.	For Calenderer in Scotland at No 6. Moram Street, Glasgow. See under Engines supplied to various Manufacturers in the British Isles.
898	1	1815	1	Ind	? x 2'-6"	10	34	ZBT 8		Ordered by Fraser Neilson & Co. for Plantation in Demerara. Merchants Marks: IMA (Combined drawing with item 897 above).
899	1	1815	1	Ind	? x 2'-6"	10	34	ZBU 8	John Austin Land of Plenty Plantation, Demerara	Ordered by Thomas Daniel & Sons. Merchants Marks: <u>ZBU</u> or PP. PU.
		D								
900	1	1815	1	Ind	? x 2'-6"	10	34	ZBZ 8	Plantation Uniform, Demerara	Ordered by Underwood Hall & Co. Merchants Marks: PU and U.
	1	1813	1	Ind	? x 2'-6"	10		ZAT 8	Mainstay Plantation, Demerara	Ordered by Robert & William Pulsford (Agents). The first Engine that was increased to 13 HP in 1832. Merchants Marks: IH.
									[Please note that one single drawing covers items 899-901. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]	
	1	1815	1	Ind	17⅝" x 2'-6"	8	34	ZCO 8		Ordered by Henry Dyett (formerly Underwood Dyett & Co. Agents) for Plantation in Demerara. Merchants Marks: W and PF.
	1	1815	1	Ind	17⅝" x 2'-6"	8	34	ZCP 8	Leith Hall Estate, St Thomas East, Jamaica	Ordered by Gilbert Mathison (Agent). Merchants Marks: LH and PR. See under Jamaica.
									[Please note that one single drawing covers items 902-903. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]	
904	1	1813	1	Ind	17⅝" x 2'-6"	8	34	DM <sup>c</sup> 8	Mr Charles Bean Palmyra Estate, Demerara	Ordered by Underwood Dyett & Co. (Agents). Increased to 13 HP in 1845 for Thomas Daniel & Co.
905	1	1813	1	Ind	17⅝" x 2'-6"	8	34	BH 8	Bank Hall Plantation, Demerara	Ordered by Underwood Dyett & Co. (Agents). Merchants Marks: BH.
906	1	1814	1	Ind	17⅝" x 2'-6"	8	34	ZBE 8	John Walcott Bachelors Adventure, now Waterloo Estate, Demerara.	Increased in 1840 to 13 HP for Peter Girvin. Merchants Marks: W D♢B

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
907	1	1814	1	Ind	17 $\frac{5}{8}$ " x 2'-6"	8	34	ZBD 8	Mr Bradley	Ordered by Amy and Cornwall & Co. (Agents) for Plantation in Grenada. This engine was taken at sea and purchased at a prize sale by Mr Bradley for his plantation in Wilmington, North Carolina. See his letter. See also under Grenada and North Carolina.
908	1	1814	1	Ind	17 $\frac{5}{8}$ " x 2'-6"	8	34	ZBQ 8	Lataste Estate, Grenada	Ordered by Amy and Cornwall & Co. (Agents) for Plantation in Grenada to replace former one lost at sea. See also under Grenada and North Carolina. Merchants Marks: <u>G&amp;C</u>
		L								
909	1	1816	1	Ind	17 $\frac{5}{8}$ " x 2'-6"	8	34	ZBR 8	Mr Van Bacrie Demerara.	Ordered by Thomas Daniel & Sons for Plantation in
										[Please note that one single drawing covers items 904-909. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]
923	2	1816	1	Ind	? x 2'-6"	8	34	DZ 9	Mr Cox Demerara.	Ordered by Thomas Daniel & Sons for Plantation in Merchants Marks: F.
924	2	1820	1	Ind	? x 2'-6"	8	34	EY 9	Demerara.	Ordered by Thomas Daniel & Sons for Plantation in Merchants Marks: PP and O.
925	2	1816	1	Ind	? x 2'-6"	8	34	EA 9	Plantation Profit, Berbice	Ordered by Jonathan Murphy (Agent). Merchants Marks: P and MH.
										[Please note that two single drawings cover items 923-925. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]
926	2	1816	1	Ind	19 $\frac{3}{4}$ " x 2'-6"	10	34	ZCH 8	J H Boode Uitulugh Estate, Demerara	Ordered by Sandbach Tinne & Co. (Agents). Merchants Marks: <u>ACB</u> V
927	2	1815	1	Ind	19 $\frac{3}{4}$ " x 2'-6"	10	34	ZCI 8	Roselle Estate, St Morant, Jamaica	Ordered by Quinton Kennedy, Ayr (Agent). Mill by Dobbins. See under Jamaica. (Used same drawings as item 926 above).
	2	1816	1	Ind	19 $\frac{3}{4}$ " x 2'-6"	10	34	ZCD 8	Charles Bean	Ordered by Campbell, Harper & Baillie, No. 8 Old Jewry (Agents) for Plantation in Demerara. Mill work by Rennie. Merchants Marks: CB and R.
931	2	1816	1	Ind	? x 2'-6"	10	34	DV 9	Mr E Austin	Ordered by Thomas Daniel & Sons for Plantation in Demerara.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
932	2	1816	1	Ind	? x 2'-6"	10	34	EM 9		Ordered by Richard Lee, 46 Lime Street, London (Agent) for Plantation in Jamaica. See under Jamaica. Merchants Marks: DF.
933	2	1817	1	Ind	? x 2'-6"	10	34	EO 9	Richmond Hill Plantation, Demerara	Ordered by Underwood Hall & Co. (Agents). Mill by Rennie. Increased to 13 HP in 1840 for W S Hamilton & Co. Merchants Marks: F
				RH						
934	2	1817	1	Ind	? x 2'-6"	10	34	EP 9	Mr Van der Brock Friends Estate, Berbice (Winter & Co. from 1830)	Ordered by H Braaksma, (Agent) 7 Ball Alley, Lombard Street. Merchants Marks: WF. See under Berbice.
935	2	1817	1	Ind	? x 2'-6"	10	34	EQ 9	Whim Estate, later St Dorothy's Plantation, Jamaica	Ordered by Deffell & Co., Billiter Square, London. Merchants Marks: W and WI. See under Jamaica.
936	2	1817	1	Ind	? x 2'-6"	10	34	ER 9	Mr Barnwell	Ordered by Nathaniel Winter & Co. (Agents) for Plantation in Demerara. Mill by Dobbins. Merchants Marks: WF.
937	2	1816	1	Ind	? x 2'-6"	8	34	EB 9	H J Austin	Ordered by Thomas Daniel & Sons for Plantation in Demerara. Merchants Marks: O
									[Please note that two single drawings cover items 931-937. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]	
938	2	1816	1	Ind	17 $\frac{1}{2}$ " x 2'-6"	8	34	ZCL 8	Gordon Murphy & Co.	See under Engines supplied to various Manufacturers in the British Isles.
939	2	1816	1	Ind	? x 2'-0"	8	34	DL 9		Ordered by Thomas & William March, No. 6 Winchester Street (Agents) for Plantation in Bahia, Brazil. See under Brazil.
3940	2	1816	1	Ind	? x 2'-0"	8	34	DM 9		Ordered by A M Pedra Son & Co., 12 New Broad Street, (Agents) for Plantation in Rio-de-Janeiro. See under Brazil. Mill work by Rennie. Merchants Marks: C.
941	2	1816	1	Ind	? x 2'-0"	8	34	DN 9		Ordered by A M Pedra Son & Co., 12 New Broad Street, (Agents) for Plantation in Rio-de-Janeiro. See under Brazil. Mill work by Rennie.
942	2	1817	1	Ind	? x 2'-0"	8	34	EE 9	Mr Labelmondriere La Bonne Mere Plantation, Demerara	Ordered by Joseph Denison & Co., London (Agents). Mill work by Rennie.



Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
943	2	1820	1	Ind	? x 2'-0"	8	34	EI 9	Demerara. Made 10 HP in 1845.	Gibbs Son & Bright, Bristol (Agents) for Plantation in
[Please note that two single drawings covers items 938-943. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]										
948	2	1816	1	Ind	20 $\frac{3}{8}$ " x 3'-0"	12	30	DC 8	Plantation Coffee Grove, Essequibo	Ordered by Sandbach Tinne & Co, Liverpool Agents). Mill by Rennie. Increased to 14 HP in 1845 for W S Channery. See under Essequibo.
949	2	1817	1	Ind	20 $\frac{3}{8}$ x 3'-0"	12	30	FC 9		Ordered by N Winter & Co. for Plantation in Demerara. Merchants Marks: AP and MH.
950	2	1818	1	Ind	20 $\frac{3}{8}$ x 3'-0"	12	30	FD 9	Friendship Plantation, Demerara	Ordered by Thomas & William King. Merchants Marks: F.
951	2	1820	1	Ind	20 $\frac{3}{8}$ x 3'-0"	12	30	FT 9	Caswell Hill Plantation, Jamaica	Ordered by France Fletcher Yates & Co. (Agents). Converted to a 14 HP high pressure engine in 1845. Merchants Marks: K and CH. See under Jamaica.
[Please note that two single drawings covers items 948-951. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]										
953	2	1818	1	Ind	? x 3'-0"	14	30	FI 9	Reliance Plantation, Demerara	Ordered by Robert & William Pulsford (Agents). Mill by Rennie. Merchants Marks: MM.
954	2	1821	1	Ind	? x 3'-0"	14	30	FG 9	La Belle Alliance Plantation, Demerara	Ordered by Thomas Daniel & Sons. Merchant Marks: EA. (Used same drawings as 953 above; as did engine orderd by Evan Baillie Sons & Co.)
989	2	1824	1	Ind	? x 2'-6"	10	34	GC 9	Huiste Dieren, Demerara	Ordered by Edward Ellice (Agents). Increased to 13 HP in 1840. Merchants Marks: HD.
1020	1	?	1	Ind			34		Plantation Columbia, Demerara	Ordered by Timperon & Robinson & Co. (Agents).
1021	2	1829	1	Ind		14		IN 9		Ordered by Nathaniel Winter & Co. (Agents) for Plantation in Demerara. Mill by R & D Graham. Later this engine was converted to 12 HP. Merchants Marks: GVW.
1027	2	1828	1	Ind	? x 3'-0"	14	30	HF 9	Windsor Castle, Demerara Plantation Catharine	Ordered by E J Troughton. Mill by G Forrester & Co. Increased to 17 HP in 1839 following order from Carran Brothers. Merchant Marks: FFG.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Jamaica</u></b>										
796	1	1813	1	Ind		6	40	ZAH 8		Ordered by Thomas Daniels & Son for Plantation in Berbice. See under Berbice.
797	1	1813	1	Ind		6	40	ZAI 8		Ordered by R Bruce & A Moens for Plantation in Surinam. See under Surinam.
798	1	1813	1	Ind		6	40	ZAG 8	Manningfield Estate, Jamaica	Ordered by Vaughan and Longmore (Agents). John Ashley later erected this engine on the Ashley Hall Estate. Merchants Marks: A.
799	1	1813	1	Ind		6	40	?		Ordered by Thomas King.
800	1	1813	1	Ind		6	40	ZAF 8	Mr McNeill	Ordered by Alex Henry (Agent) for Plantation in Demerara. See under Demerara.
801	1	1814	1	Ind		6	40	ZAN 8	Mr Charles Dickson	Ordered by John & Robert Gladstone, Merchants, Liverpool for Sans Sorrü Estate, Wakenham Island, Essequibo. Bell Crank. See under Essequibo.
802	1	1814	1	Ind		6	40	ZAX 8	Mr Fraser	Ordered by Moreton & Foster (Agents) possibly for Kelly's Estate, Demerara. Bell Crank.
[Please note that one single drawing covers items 796-802. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]										
832	1	1846	1	Ind		14		IS	Worthy Park, Jamaica	Ordered by Thomas Hankey & Co. Merchants Marks: LP.
832	18	1850	1	Ind	? x 3'-0"	14			Duckerfield Hall Estate, Jamaica	Ordered by Thomas Hankey & Co.
832	1	1844	1	Ind					Plantain Garden River Estate	
832	7									Miscellaneous work.
840	5	1846	1	Ind	? x 2'-6"	10		HU	Dunkley Estate R Bogle & Co.	Ordered by G W Hamilton.
	6	1846	1	Ind	? x 2'-6"	10	34	HV		Ordered by Cottam Mortan & Co. Mill 3½ revolutions per minute.
849	2	1808	1	Ind	17½" x 2'-6"	8	34	ZK 7	Sir Alex Grant	Ordered by Davidsons & Graham for Plantation in Jamaica. Merchants Marks: A and AG.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
867	15	1812	1	Ind	19¾" x 2'-6"	10	34	ZO 8	Money Musk Estate, Jamaica	Agents were William & Roland Mitchell. Merchants Marks: M and ROS. See also under Trinidad.
868	12	1829	1	Ind		8		IF 9	Boston & Buckinghamshire Estate,	Orders placed by Thwaites Trescothick & Co. in Jamaica 1829 and Pearse & Child in 1846. Merchants Marks: BT.
872	2	1814	1	Ind	16" x 2'-0"	6	40	ZAM 8	Mr Purcell at Harmony Hall Plantation, Trinidad	Ordered by William Lushington Junior (Agent). First Beam Engine with A Frame. See Trinidad.
873	2	1814	1	Ind	16" x 2'-0"	6	40	ZBA 8	Thomas McKenzie at St Thomas in the East Plantation, Port Morant, Jamaica	Ordered by Gilbert Matthison, Lime Street Square (Agent). With A Frames.
874	2	1814	1	Ind	16" x 2'-0"	6	40	ZBB 8	Robert Allen, St James Street, London	For his estate at Orange Cover, Hanover, Jamaica. With A Frames. Merchants Marks: ZBB and OC.
875	2	1814	1	Ind	16" x 2'-0"	6	40	ZBC 8	Harmony Hall Plantation, Jamaica	Ordered by France Fletcher Yates & Co., Liverpool.
876	2	1815	1	Ind	16" x 2'-0"	6	40	DA 8		Ordered by Thomas & William King (Agents). With A Frames. See under Demerara.
877	2	1814	1	Ind	16" x 2'-0"	6	40	ZBN 8	Claremont Estate Plantation for	Ordered by Kingstons, Lambert & Egan, Robert Kingston in Jamaica 55 Old Broad Street (Agents). With A Frames.
878	2	1815	1	Ind	?	10	40	ZBX 8		Ordered by William & Roland Mitchell. With A Frames. For Sugar Plantation. Merchants Marks: t HD
879	2	1815	1	Ind	16" x 2'-0"	8	40	ZCK 8	Mr Munro	Ordered by Thomas Daniel & Sons. With A Frames.
880	2	1815	1	Ind	16" x 2'-0"	6	40	ZCQ 8	Mr Hall at Round Hill Plantation, Hanover, Jamaica	Ordered by Charles Lawrence (Agents). With A Frames.
881	2	1815	1	Ind	16" x 2'-0"	6	40	ZCR 8	Ashley Hall Estate, Jamaica	Ordered by France Fletcher Yates & Co., Liverpool (Agents). With A Frames. Merchants Marks: A also A
										F.R.
882	2	1815	1	Ind	16" x 2'-0"	6	40	CY 8	Mr P McGarel at Hamburg Estate, Demerara	Ordered by Campbell Bowden & Co. (Agents). With A Frames. See under Demerara.

[Please note that the same two single drawings cover items 872-882. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
884	2	1814	1	Ind	16" x 2'-0"	6	40	ZAX 8	Kelly's Estate Marquis of Sligo's Estate Jamaica	Ordered by George Gibbs & Son (Agents). Mr Rennie's Mill. With A Frames. Merchants Marks: SK.
887	2	1814	1	Ind	19¾" x 2'-6"	10	34	ZBK 8	R H Gordon Cromwell Estate, Jamaica	Ordered by Davidson & Graham (Agents). Merchant Marks: C and RHG
887	1	1818	1	Ind		10	34	EU 9	Grange Hill Estate, Jamaica	Ordered by Davidson & Graham & Co. (Agents). Merchant Marks: G and WP; later B and WP.
888	1	1815	1	Ind	19¾" x 2'-6"	10	34	ZCG 8	Lyssons Estate, Jamaica	Ordered by G W & S Hibbert, Mincing Lane (Agents), later known as Benjamin Greene. Mill by Buxton & Graham. Merchants Marks: T and SI.
889	1	1815	1	Ind	19¾" x 2'-6"	10	34	ZCF 8	Parnasus Estate, Jamaica	Ordered by Beeston Long Esq., Leadenhall Street (Agents). Mill work by Graham & Buxton. Merchants Marks: HPD.
889	3	1815	1	Ind	19¾" x 2'-6"	8	34	ZCN 8	Millwork done by Rennie.	Ordered by Beeston Long for Plantation in Jamaica. Merchants Marks: V and HB.
891	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZV 8	J Wildman's Estate, Jamaica	Ordered by Addison & Bagott, Liverpool (Agents).
892	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAD 8	A G Milne, Fenchurch Street	See under Engines supplied to various Manufacturers in the British Isles.
893	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAA 8	Union Estate, Trinidad Sir Thomas Picton	Ordered by Marryat & Son. Mill by Mr Rennie. Merchants Marks: <u>Un</u> & <u>U</u> ZAA WF
894	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAP 8	Mainstay Plantation, Essequibo	Ordered by Robert & William Pulsford (Agents). Increased to 12 HP in 1832. See under Essequibo. Merchants Marks: IH
895	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAQ 8	Pusey Hall Plantation, Jamaica	Ordered by Robert Birkett, Lancaster (Agent). Merchants Marks: PH and E
896	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZW 8		Ordered by Henry Wildman, Fen Court, Fenchurch Street, London (Agent) for Plantation in Jamaica. Merchants Marks: E HW

[Please note that one single drawing covers items 891-896. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
899	1	1815	1	Ind	? x 2'-6"	10	34	ZBU 8	John Austin Land of Plenty Plantation, Demerara	Ordered by Thomas Daniel & Sons. Merchants Marks: <u>ZBU</u> or PP. PU.
		D								
900	1	1815	1	Ind	? x 2'-6"	10	34	ZBZ 8	Plantation Uniform, Demerara	Ordered by Underwood Hall & Co. Merchants Marks: PU and U.
901	1	1813	1	Ind	? x 2'-6"	10		ZAT 8	Mainstay Plantation, Demerara	Ordered by Robert & William Pulsford (Agents). The first Engine that was increased to 13 HP in 1832. Merchants Marks: IH.
901	1	1815	1	Ind	? x 2'-6"	10	34	ZCC 8	Mr Foulkes The Lodge Estate, Jamaica	Ordered by P & G Protheroe, Bristol (Agents). Merchants Marks: A∅F.
									[Please note that one single drawing covers items 899-901. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]	
902	1	1815	1	Ind	17 $\frac{5}{8}$ " x 2'-6"	8	34	ZCO 8		Ordered by Henry Dyett (formerly Underwood Dyet & Co. Agents) for Plantation in Demerara. Merchants Marks: W and PF.
903	1	1815	1	Ind	17 $\frac{5}{8}$ " x 2'-6"	8	34	ZCP 8	Leith Hall Estate, St Thomas East, Jamaica	Ordered by Gilbert Mathison (Agent). Merchants Marks: LH and PR.
									[Please note that one single drawing covers items 902-903. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]	
910	1	1813	1	Ind	? x 2'-6"	10	34	ZAR 8	Mr Jonathan Wedderburn Prospect Estate, Hanover, Jamaica	Ordered by Wedderburn & Co, Leadenhall Street. Merchants Marks: P and IW.
912	2	1813	1	Ind	19 $\frac{3}{4}$ " x ?	10		ZAU 8	Chesterfield Estate, Jamaica	Ordered by Timperon & Robinson (Agents). Merchants Marks: C and HP.
912	1	1815	1	Ind	19 $\frac{3}{4}$ " x 2'-6"	10	34	ZBW 8	Hill Side Estate, Jamaica	Ordered by Timperon & Robinson (Agents). Merchants Marks: HP.
913	1	1814	1	Ind	19 $\frac{3}{4}$ " x 2'-6"	10	34	ZBI 8		Ordered by Davidson & Graham (Agents) for Plantation in Jamaica.
913	3	1816	1	Ind	19 $\frac{3}{4}$ " x 2'-6"	8	34	DK 9	Canefield Estate, Jamaica	Ordered by Davidson & Graham & Co (Agents). Merchants Marks: DP.
916	1	1815	1	Ind	19 $\frac{3}{4}$ " x ?	10	34	ZCE 8	Green Park, Trelawney, Jamaica	Ordered by W P Litt & Steele, 50 Lime Street, London (Agents). Merchants Marks: A and GP.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
917	3	1815	1	Ind	? x 2'-0"	8	34	ZCM 8	W Shand Parnassus Estate, Clarendon, Jamaica	W P Litt & Steele, 50 Lime Street, London (Agents). Merchants Marks: D and MS.
921	2	1816	1	Ind	19¾" x 2'-6"	10	34	DF 8	Midgham Estate, Westmoreland,	Ordered by Milligan Robertson & Co. (Agents). Millwork by Collinge. Merchants Marks: MGM.
926	2	1816	1	Ind	19¾" x 2'-6"	10	34	ZCH 8	J H Boode	Ordered by Sandbach Tinne & Co. (Agents). Uitulugh Estate, Demerara Merchants Marks: <u>ACB</u>
927	2	1815	1	Ind	19¾" x 2'-6"	10	34	ZCI 8	Roselle Estate, St Morant, Jamaica	Ordered by Quinton Kennedy, Ayr (Agent). Mill by Dobbins. See under Jamaica. (Used same drawings as item 926 above).
930	3	1817	1	Ind	? x 2'-6"	10	34	EN 9	Esberre Estate, Jamaica	Ordered by William and Roland Mitchell (Agents). Merchants Marks: B and TW.
931	2	1816	1	Ind	? x 2'-6"	10	34	DV 9	Mr E Austin	Ordered by Thomas Daniel & Sons for Plantation in Demerara. See under Demerara.
932	2	1816	1	Ind	? x 2'-6"	10	34	EM 9		Ordered by Richard Lee, 46 Lime Street, London (Agent) for Plantation in Jamaica. Merchants Marks: DF.
933	2	1817	1	Ind	? x 2'-6"	10	34	EO 9	Richmond Hill Plantation, Demerara	Ordered by Underwood Hall & Co. (Agents). Mill by Rennie. Increased to 13 HP in 1840 for W S Hamilton & Co. Merchants Marks: F RH
934	2	1817	1	Ind	? x 2'-6"	10	34	EP 9	Mr Van der Brock Friends Estate, Berbice (Winter & Co. from 1830)	Ordered by H Braaksma, (Agent) 7 Ball Alley, Lombard Street. Merchants Marks: WF. See under Berbice.
935	2	1817	1	Ind	? x 2'-6"	10	34	EQ 9	Whim Estate, later St Dorothy's Plantation, Jamaica	Ordered by Deffell & Co., Billiter Square, London. Merchants Marks: W and WI.
936	2	1817	1	Ind	? x 2'-6"	10	34	ER 9	Mr Barnwell	Ordered by Nathaniel Winter & Co. (Agents) for Plantation in Demerara. Mill by Dobbins. Merchants Marks: WF. See under Demerara.
937	2	1816	1	Ind	? x 2'-6"	8	34	EB 9	H J Austin	Ordered by Thomas Daniel & Sons for Plantation in Demerara. Merchants Marks: O

[Please note that two single drawings cover items 931-937. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
938	2	1816	1	Ind	17 $\frac{5}{8}$ " x 2'-6"	8	34	ZCL 8	Gordon Murphy & Co.	See under Engines supplied to various Manufacturers in the British Isles.
939	2	1816	1	Ind	? x 2'-0"	8	34	DL 9		Ordered by Thomas & William March, No. 6 Winchester Street (Agents) for Plantation in Bahia, Brazil. See under Brazil.
940	2	1816	1	Ind	? x 2'-0"	8	34	DM 9		Ordered by A M Pedra Son & Co., 12 New Broad Street, (Agents) for Plantation in Rio-de-Janeiro. See under Brazil. Mill work by Rennie. Merchants Marks: C.
941	2	1816	1	Ind	? x 2'-0"	8	34	DN 9		Ordered by A M Pedra Son & Co., 12 New Broad Street, (Agents) for Plantation in Rio-de-Janeiro. See under Brazil. Mill work by Rennie.
942	2	1817	1	Ind	? x 2'-0"	8	34	EE 9	Mr Labelmondier La Bonne Mere Plantation, Demerara	Ordered by Joseph Denison & Co., London (Agents). Mill work by Rennie. See under Demerara.
942	2	1818	1	Ind		8		EG 9	Elmwood Estate, Annsfield, Jamaica	Ordered by W Linwood. Merchants Marks: <u>E</u>
GP										
943	2	1820	1	Ind	? x 2'-0"	8	34	EI 9		Gibbs Son & Bright, Bristol (Agents) for Plantation in Demerara. Made 10 HP in 1845.
									[Please note that two single drawings covers items 938-943. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]	
951	2	1820	1	Ind	20 $\frac{3}{8}$ " x 3'-0"	12	30	FT 9	Caswell Hill Plantation, Jamaica	Ordered by France Fletcher Yates & Co. (Agents). Converted to a 14 HP high pressure engine in 1845. Merchants Marks: K and CH.
955	14	1828	1	Ind		14	30	IE 9	Eliza and Mary Plantation on Courtaigne Plantation, Berbice	Ordered by Nathaniel Winter & Co. Merchants Marks: EM. See also under Berbice. Evan Baillie Sons & Co also mentioned.
963	1	1818	1	Ind	? x 2'-6"	10	34	EX 9	Orange Hill Plantation, Jamaica	Ordered by Ambrose Humphreys, Harper Street, Red Lion Square. Mill by Collinge. 3 additions by Hibbert & Co. See Portfolio No. 1019. Merchants Marks: OH.
964	2	1819	1	Ind		10	34	DY 9	Goshen Plantation, Jamaica	Ordered by Davidsons Barkly & Co., Lime Street Square (Agents). Mill by Rennie. Merchants Marks: IGL altered to DGN.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
966	2	1818	1	Ind	? x 2'-6"	10	34	EV 9		Ordered by Bolton & Littledale, Liverpool. See under New Orleans.
967	2	1818	1	Ind	? x 2'-6"	10	34	EW 9	G G Munro, Pearl Estate, Grenada	Ordered by James Law, 29 Great Winchester Street. Mill by Rennie. Merchants Marks: P. See Grenada.
968	2	1818	1	Ind	? x 2'-6"	10	34	FL 9		Ordered by Fred G Carmichael, Twickenham for Plantation in Jamaica. Merchants Marks: HH.
969	2	1818	1	Ind	? x 2'-6"	10	34			Ordered by Ambrose Humphreys, Harper Street, Red Lion Square. For Plantation in Jamaica?
1003	3	1826	1	Ind	? x 3'-0"	14	20	HX 9	Moreland Estate, Vere, Jamaica	Ordered by W R & S Mitchell (Agents). Merchants Marks: M and IM.
1007	2	1830	1	Ind	? x 2'-6"	10	34	HL 9	Donalee Callaghan	Ordered by Emanuel Losada. This was a bright Carlisle Estate, Vere, Jamaica engine, originally made for Mr Musket. Merchants Marks: C and EB. Seven additions by Hibbert & Co. for Anglo-Mexican Mint (see below under Portfolio No. 1019).
1008	4	1841	1	Ind	? x 2'-6"	10	34	IO 9	Ballards Valley Estate, St Marys, Jamaica	Ordered by N & H Mayo, London.
1010	1	1839	1	Ind	? x 2'-0"	8	34	HE 9	Swaby Esq., Lancashire	Not sent. See under Manufacturers in the British Isles. Combined in same Portfolio as item 1011.
1011	2	1839	1	Ind	? x 2'-0"	8	34	IG 9	William Leaf Crofts & Co.	Ordered by R Moreland & Co. (Agents).
1015	3	1841	1	Ind	? x 2'-6"	10	34	JI 9	Drax Hall Estate, Jamaica	Ordered by Davidsons Barkly & Co . (Agents). Merchants Marks: DH and IP.
1017	1	1829	1	Ind	? x 2'-6"	10	34	HZ 9	Raymonds Estate, Vere, Jamaica	Ordered by Joseph Brooks Yates & Co., Liverpool. Merchants Marks: L and EM. Includes letters.
1018	1	1835	1	Ind	? x 2'-6"	10	34	IB		Ordered by Boddington & Co., London. Combined in same Portfolio as item 1017 with letters.
1019	10	1842	1	Ind	11" x 2'-6"	10		JQ 9	New Yarmouth Estate, Jamaica	Ordered by Hibbert & Co. Non Condensing Engine.
1019	1	1842	1	Ind	?	10		JQ 9	New Yarmouth Estate, Jamaica	Ordered by Hibbert & Co. Merchants Marks: R

I C

Y



Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
1019	3									Hibbert & Co. Three additions. See also Portfolio No. 963.
1019	7								Habe Hill Estate	Hibbert & Co. Seven additions for Anglo-Mexican Mint. See also Portfolio No. 1007.
1025	4	1828	1	Ind	? x 3'-0"	14	30	HO 9		Ordered by Ewart Myers & Co. (Agents) for Darien. Mill by G Forrester & Co.
1025	1	1827	1	Ind		6		HT 9		Ordered by Davidsons Barkley & Co. (Agents) for Plantation in Jamaica. Merchants Marks: D W.
1025	1	1836	1	Ind		6		HU 9		Ordered by Richard Bridgens (Agent) for Plantation in Trinidad. Mill by Rennie. See also under Trinidad.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
------------------	-------------------------	---------------------------	----------------	----------------	----------------------------	-------------	-----------------	--------------------------------	-----------------	---------------

**REEL 186**

**ENGINES OF THE INDEPENDENT TYPE SUPPLIED TO THE SUGAR PLANTATIONS**

**Grenada**

837	10		1	Ind						Ordered for Sugar Plantation in Grenada.
848	3	1812	1	Ind	17 $\frac{5}{8}$ " x 2'-6"	8	34	ZF 8	Mr Ross	Ordered by Inglis Ellice & Co. for Plantation on Grenada. Merchants Marks: IR and C.
904	1	1813	1	Ind	17 $\frac{5}{8}$ " x 2'-6"	8	34	DM <sup>c</sup> 8	Mr Charles Bean Palmyra Estate, Demerara	Ordered by Underwood Dyett & Co. (Agents). Increased to 13 HP in 1845 for Thomas Daniel & Co.
905	1	1813	1	Ind	17 $\frac{5}{8}$ " x 2'-6"	8	34	BH 8	Bank Hall Plantation, Demerara	Ordered by Underwood Dyett & Co. (Agents). Merchants Marks: BH. See under Demerara.
906	1	1814	1	Ind	17 $\frac{5}{8}$ " x 2'-6"	8	34	ZBE 8	John Walcott Bachelors Adventure, now Waterloo Estate, Demerara.	Increased in 1840 to 13 HP for Peter Girvin. Merchants Marks: W See under Demerara.
907	1	1814	1	Ind	17 $\frac{5}{8}$ " x 2'-6"	8	34	ZBD 8	Mr Bradley	Ordered by Amy and Cornwall & Co. (Agents) for Plantation in Grenada. This engine was taken at sea and purchased at a prize sale by Mr Bradley for his plantation in Wilmington, North Carolina. See his letter. See also under North Carolina.
908	1	1814	1	Ind	17 $\frac{5}{8}$ " x 2'-6"	8	34	ZBQ 8	Lataste Estate, Grenada	Ordered by Amy and Cornwall & Co. (Agents) for Plantation in Grenada to replace former one lost at sea. See also under North Carolina. Merchants Marks: <u>G∠C</u>
		L								
909	1	1816	1	Ind	17 $\frac{5}{8}$ " x 2'-6"	8	34	ZBR 8	Mr Van Bacrie Demerara.	Ordered by Thomas Daniel & Sons for Plantation in See under Demerara.
										[Please note that one single drawing covers items 904-909. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]
966	2	1818	1	Ind	? x 2'-6"	10	34	EV 9		Ordered by Bolton & Litledale, Liverpool. See under New Orleans.
967	2	1818	1	Ind	? x 2'-6"	10	34	EW 9	G G Munro, Pearl Estate, Grenada	Ordered by James Law, 29 Great Winchester Street. Mill by Rennie. Merchants Marks: P.

D∠B

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
968	2	1818	1	Ind	? x 2'-6"	10	34	FL 9		Ordered by Fred G Carmichael, Twickenham for Plantation in Jamaica. Merchants Marks: HH.
969	2	1818	1	Ind	? x 2'-6"	10	34			Ordered by Ambrose Humphreys, Harper Street, Red Lion Square. For Plantation in Jamaica?

[Please note that two single drawings cover items 966-969. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]

### **Montreal**

785	2	1811	1	Ind		6	40	ZZ 8		Ordered by John Molson for Montreal.
-----	---	------	---	-----	--	---	----	------	--	--------------------------------------

### **St Croix**

865	2	1812	1	Ind	19¾" x 2'-6"	10	34	ZQ 8	Mr Söbötker	Ordered by James Amos & Co. for St Croix.
866	2	1816	1	Ind	19¾" x 2'-6"	10	34	DW 9	J & J Cumming same Portfolio as item 865.	Ordered by James Norris for St Croix. Combined in

### **Boddington & Co., London**

1017	1	1829	1	Ind	? x 2'-6"	10	34	HZ 9	Raymonds Estate, Vere, Jamaica	Ordered by Joseph Brooks Yates & Co., Liverpool. Merchants Marks: L and EM. Includes letters.
1018	1	1835	1	Ind	? x 2'-6"	10	34	IB		Ordered by Boddington & Co., London. Combined in same Portfolio as item 1017 with letters.

### **Brazil**

938	2	1816	1	Ind	17½" x 2'-6"	8	34	ZCL 8	Gordon Murphy & Co.	See under Engines supplied to various Manufacturers in the British Isles.
939	2	1816	1	Ind	? x 2'-0"	8	34	DL 9		Ordered by Thomas & William March, No. 6 Winchester Street (Agents) for Plantation in Bahia, Brazil.
940	2	1816	1	Ind	? x 2'-0"	8	34	DM 9		Ordered by A M Pedra Son & Co., 12 New Broad Street, (Agents) for Plantation in Rio-de-Janeiro. Mill work by Rennie. Merchants Marks: C.
941	2	1816	1	Ind	? x 2'-0"	8	34	DN 9		Ordered by A M Pedra Son & Co., 12 New Broad Street, (Agents) for Plantation in Rio-de-Janeiro. Mill work by Rennie.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
942	2	1817	1	Ind	? x 2'-0"	8	34	EE 9	Mr Labelmondier La Bonne Mere Plantation, Demerara	Ordered by Joseph Denison & Co., London (Agents). Mill work by Rennie. See under Demerara.
942	2	1818	1	Ind		8		EG 9	Elmwood Estate, Annsfield, Jamaica	Ordered by W Linwood. Merchants Marks: <u>E</u>
GP										
943	2	1820	1	Ind	? x 2'-0"	8	34	EI 9		Gibbs Son & Bright, Bristol (Agents) for Plantation in Demerara. Made 10 HP in 1845.
										[Please note that two single drawings covers items 938-943. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]
<b><u>Berbice</u></b>										
796	1	1813	1	Ind		6	40	ZAH 8		Ordered by Thomas Daniels & Son for Plantation in Berbice.
797	1	1813	1	Ind		6	40	ZAI 8		Ordered by R Bruce & A Moens for Plantation in Surinam. See under Surinam.
798	1	1813	1	Ind		6	40	ZAG 8	Manningfield Estate, Jamaica	Ordered by Vaughan and Longmore (Agents). John Ashley later erected this engine on the Ashley Hall Estate. Merchants Marks: A.
799	1	1813	1	Ind		6	40	?		Ordered by Thomas King.
800	1	1813	1	Ind		6	40	ZAF 8	Mr McNeill	Ordered by Alex Henry (Agent) for Plantation in Demerara. See under Demerara.
801	1	1814	1	Ind		6	40	ZAN 8	Mr Charles Dickson	Ordered by John & Robert Gladstone, Merchants, Liverpool for Sans Sorrù Estate, Wakenham Island, Essequibo. Bell Crank. See under Essequibo.
802	1	1814	1	Ind		6	40	ZAX 8	Mr Fraser	Ordered by Moreton & Foster (Agents) possibly for Kelly's Estate, Demerara. Bell Crank.
										[Please note that one single drawing covers items 796-802. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]
833	4	1837	1	Ind	? x 3'-0"	14		JH 9	Dry River Estate	Ordered by W R & S Mitchell. Merchants Marks: BP and WM.
923	2	1816	1	Ind	? x 2'-6"	8	34	DZ 9	Mr Cox Demerara.	Ordered by Thomas Daniel & Sons for Plantation in Merchants Marks: F. See also under Demerara.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
924	2	1820	1	Ind	? x 2'-6"	8	34	EY 9	Demerara.	Ordered by Thomas Daniel & Sons for Plantation in Merchants Marks: PP and O.
925	2	1816	1	Ind	? x 2'-6"	8	34	EA 9	Plantation Profit, Berbice	Ordered by Jonathan Murphy (Agent). Merchants Marks: P and MH.
[Please note that two single drawings cover items 923-925. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]										
931	2	1816	1	Ind	? x 2'-6"	10	34	DV 9	Mr E Austin	Ordered by Thomas Daniel & Sons for Plantation in Demerara. See also under Demerara.
932	2	1816	1	Ind	? x 2'-6"	10	34	EM 9		Ordered by Richard Lee, 46 Lime Street, London (Agent) for Plantation in Jamaica. See under Jamaica. Merchants Marks: DF.
933	2	1817	1	Ind	? x 2'-6"	10	34	EO 9	Richmond Hill Plantation, Demerara	Ordered by Underwood Hall & Co. (Agents). Mill by Rennie. Increased to 13 HP in 1840 for W S Hamilton & Co. Merchants Marks: F
RH										
934	2	1817	1	Ind	? x 2'-6"	10	34	EP 9	Mr Van der Brock Friends Estate, Berbice (Winter & Co. from 1830)	Ordered by H Braaksma, (Agent) 7 Ball Alley, Lombard Street. Merchants Marks: WF.
935	2	1817	1	Ind	? x 2'-6"	10	34	EQ 9	Whim Estate, later St Dorothy's Plantation, Jamaica	Ordered by Deffell & Co., Billiter Square, London. Merchants Marks: W and WI. See under Jamaica.
936	2	1817	1	Ind	? x 2'-6"	10	34	ER 9	Mr Barnwell	Ordered by Nathaniel Winter & Co. (Agents) for Plantation in Demerara. Mill by Dobbins. Merchants Marks: WF. See under Demerara.
937	2	1816	1	Ind	? x 2'-6"	8	34	EB 9	H J Austin	Ordered by Thomas Daniel & Sons for Plantation in Demerara. Merchants Marks: O
[Please note that two single drawings cover items 931-937. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]										
955	14	1828	1	Ind		14	30	IE 9	Eliza and Mary Plantation on Courtaigne Plantation, Berbice	Ordered by Nathaniel Winter & Co. Merchants Marks: EM. Evan Baillie Sons & Co. also mentioned.
965	2	1820	1	Ind		10	34	GD 9	Mr Cameron, Highbury Estate, Berbice	Ordered by Davidsons Barkley & Co. (Agents). Merchants Marks: H

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
990	2	1823	1	Ind	? x 2'-6"	10	34	GB 9	Profit Estate, Berbice	Ordered by Evan Baillie Sons & Co. Mill by Dobbins. Merchants Marks: P.
1022	10	1829	1	Ind	? x 3'-0"	14	30	IS 9	Hampton Court Plantation, Berbice	Ordered by N Winter & Co. James Mickie erected it; Mill by R & D Graham. Merchants Marks: HC.
<b><u>St Lucia</u></b>										
920	2	1816	1	Ind	? x 2'-6"	10	34	DG 8	Union Estate, St Lucia	Ordered by Inglis Ellice & Co. Mill work by Collinge.
<b><u>Surinam</u></b>										
796	1	1813	1	Ind		6	40	ZAH 8		Ordered by Thomas Daniels & Son for Plantation in Berbice. See under Berbice.
797	1	1813	1	Ind		6	40	ZAI 8		Ordered by R Bruce & A Moens for Plantation in Surinam.
798	1	1813	1	Ind		6	40	ZAG 8	Manningfield Estate, Jamaica	Ordered by Vaughan and Longmore (Agents). John Ashley later erected this engine on the Ashley Hall Estate. Merchants Marks: A.
799	1	1813	1	Ind		6	40	?		Ordered by Thomas King.
800	1	1813	1	Ind		6	40	ZAF 8	Mr McNeill	Ordered by Alex Henry (Agent) for Plantation in Demerara. See under Demerara.
801	1	1814	1	Ind		6	40	ZAN 8	Mr Charles Dickson	Ordered by John & Robert Gladstone, Merchants, Liverpool for Sans Sorrù Estate, Wakenham Island, Essequibo. Bell Crank. See under Essequibo.
802	1	1814	1	Ind		6	40	ZAX 8	Mr Fraser	Ordered by Moreton & Foster (Agents) possibly for Kelly's Estate, Demerara. Bell Crank.

[Please note that one single drawing covers items 796-802. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]

**New Orleans**

966	2	1818	1	Ind	? x 2'-6"	10	34	EV 9		Ordered by Bolton & Littledale, Liverpool for New Orleans.
967	2	1818	1	Ind	? x 2'-6"	10	34	EW 9	G G Munro, Pearl Estate, Grenada	Ordered by James Law, 29 Great Winchester Street. Mill by Rennie. Merchants Marks: P. See Grenada.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
968	2	1818	1	Ind	? x 2'-6"	10	34	FL 9		Ordered by Fred G Carmichael, Twickenham for Plantation in Jamaica. Merchants Marks: HH.
969	2	1818	1	Ind	? x 2'-6"	10	34			Ordered by Ambrose Humphreys, Harper Street, Red Lion Square. For Plantation in Jamaica?

[Please note that two single drawings cover items 966-969. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different plantations.]

#### North Carolina

907	1	1814	1	Ind	17 $\frac{1}{2}$ " x 2'-6"	8	34	ZBD 8	Mr Bradley	Ordered by Amy and Cornwall & Co. (Agents) for Plantation in Grenada. This engine was taken at sea and purchased at a prize sale by Mr Bradley for his plantation in Wilmington, North Carolina. See his letter. See also under Grenada.
908	1	1814	1	Ind	17 $\frac{1}{2}$ " x 2'-6"	8	34	ZBQ 8	Lataste Estate, Grenada sea. See also under Grenada.	Ordered by Amy and Cornwall & Co. (Agents) for Plantation in Grenada to replace former one lost at sea. Merchants Marks: <u>G<math>\diamond</math>C</u> L

#### Darien

1025	4	1828	1	Ind	? x 3'-0"	14	30	HO 9		Ordered by Ewart Myers & Co. (Agents) for Darien. Mill by G Forrester & Co.
------	---	------	---	-----	-----------	----	----	------	--	-----------------------------------------------------------------------------

#### L & W Fennex, London

1009	2	1842	1	Ind	? x 2'-6"	12	34	JJ		Ordered by L & W Fenner, London. 10 HP crossed out.
------	---	------	---	-----	-----------	----	----	----	--	--------------------------------------------------------

#### Mauritius

1015	1	1837	1	Ind		4		JL 9		Ordered by John Groves for Mauritius. Incorrectly "Mawinsius" on A4 Target.
------	---	------	---	-----	--	---	--	------	--	--------------------------------------------------------------------------------

#### Miscellaneous

803	5		1	SSL					Herring & Dry River Estate	Ordered by Stewart & Westmoreland.
1019	7								Habe Hill Estate	Hibbert & Co. Seven additions for Anglo-Mexican Mint. See also Portfolio No. 1007.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>ENGINES OF THE INDEPENDENT TYPE SUPPLIED TO VARIOUS MANUFACTURERS IN THE BRITISH ISLES</u></b>										
<b><u>Scotland</u></b>										
852	3	1809	1	Ind	19¾" x 2'-6"	10	34	ZQ	David Dickson	Forfar.
897	1	1815	1	Ind	19¾" x 2'-6"	10		ZBL 8	James Miller & Co.	No 6. Moram Street, Glasgow. Calenderer.
898	1	1815	1	Ind	? x 2'-6"	10	34	ZBT 8		Ordered by Fraser Neilson & Co. for Plantation in Demerara. Merchants Marks: IMA (Combined drawing with item 897 above).
1012	2	1834	1	Ind	? x 2'-6"	10	34	IP 9	G & J Rennie	
<b><u>Ireland</u></b>										
847	3	1808	1	Ind	19¾" x 2'-6"	10	34	ZI 7	AB & WL Guinness	Dublin
870	3	1814	1	Ind	22" x 3'-0"	14	30	ZI 8	H Walker & Co	Brewery. Fermoy
<b><u>Windsor</u></b>										
1023	4	1830	1	Ind	? x 3'-0"	14	30	IU 9	John Ramsbottom	First engine of this kind with improved slide valves.
<b><u>London</u></b>										
822	13	1815	1	Ind	19¾" x 2'-6"	10	34	ZCA 10	Sutton & Davies	Sugar Works. Lambeth Street, Goodman Fields.
823	9	1815	1	Ind	? x 2'-6"	6		KK 8	Rohde & Co.	Sugar Works.
825	4	1815	1	Ind		6	40	ZBG 8	J & J Coope	Sugar Works. With A Frames. Osborn Street, Whitechapel.
827	4	1820	1	Ind	? x 2'-6"	14		CX 8	Thomas Hodgson & Son	Sugar Works.
828	17	1835	1	Ind	25½" x 3'-6"	20	27	MF 12	William Harter	
830	3	1836	1	Ind	? x 3'-0"	14	30	JG 9	Ramsbottom, Broadwood & Mundell	Broad Street, Golden Square, London.
837	63	1842	1	Ind	? x 2'-6"	10	34	JP 9	Bank of England	
836	9	1844	1	Ind	31½" x 3'-0"	30		KJ 13	British Plate Glass Co.	Ravenhead. Called Ravenhead 38 HP. Coupled to a 31" x 3'-0" by Naysmyth's.
839	4	1844	1	Ind	? x 2'-6"	10	34	JT 9	Money Wigram	



Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
842	25	1844	2	Ind	? x 3'-6"	25	27	JU 13 JV 13	James Kennedy & Co	With columns & Entablature.
850	2	1809	1	Ind	? x 2'-6"	10	34		Thomas King	
851	1	1809	1	Ind	19¾" x 2'-6"	10	34	ZK	Mr Ledger	London.
853	2	1809	1	Ind	19¾" x 2'-6"	10	34		Cargel Balfour & Co.	
854	1	1810	1	Ind	19¾" x 2'-6"	10	34	ZQ	Mr H Batley	
855	1	1810	1	Ind	19¾" x 2'-6"	10		ZL	Lewis & Hughes	
860	10	1811	1	Ind	19¾" x 2'-6"	10	34	ZS 8	Taddy Tomlin & Co.	Minories, London. Increased to 30 HP in 1835.
861	3	1812	1	Ind	19¾" x 2'-6"	10		ZD 8	J J & W Keen	Bankside, London.
864	1	1812	1	Ind	19¾" x 2'-6"	10	34	ZS 8	Birchall & Walford	Rolling Mill. Oldford, London.
871	2	1814	1	Ind	? x 3'-0"	14	30	Z 8	Jolliffe & Banks	Strand Bridge Works for Southwark Bridge.
872	2	1814	1	Ind	16" x 2'-0"	6	40	ZAM 8	Mr Purcell at Harmony Hall Plantation, Trinidad	Ordered by William Lushington Junior (Agent). First Beam Engine with A Frame. See Trinidad.
873	2	1814	1	Ind	16" x 2'-0"	6	40	ZBA 8	Thomas McKenzie at St Thomas in the East Plantation, Port Morant, Jamaica	Ordered by Gilbert Matthison, Lime Street Square (Agent). With A Frames. See under Jamaica.
874	2	1814	1	Ind	16" x 2'-0"	6	40	ZBB 8	Robert Allen, St James Street, London	For his estate at Orange Cover, Hanover, Jamaica. With A Frames. See under Jamaica. Merchants Marks: ZBB OC
875	2	1814	1	Ind	16" x 2'-0"	6	40	ZBC 8	Harmony Hall Plantation, Jamaica	Ordered by France Fletcher Yates & Co., Liverpool (Agents). See under Jamaica.
876	2	1815	1	Ind	16" x 2'-0"	6	40	DA 8		Ordered by Thomas & William King (Agents) for Plantation in Demerara. With A Frames.
877	2	1814	1	Ind	16" x 2'-0"	6	40	ZBN 8	Claremont Estate Plantation for	Ordered by Kingstons, Lambert & Egan, Robert Kingston 55 Old Broad Street (Agents). With A Frames. See under Jamaica.
878	2	1815	1	Ind	?	10	40	ZBX 8		Ordered by William & Roland Mitchell. With A Frames. For Sugar Plantation. Merchants Marks: t HD

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
879	2	1815	1	Ind	16" x 2'-0"	8	40	ZCK 8	Mr Munro	Ordered by Thomas Daniel & Sons. With A Frames.
880	2	1815	1	Ind	16" x 2'-0"	6	40	ZCQ 8	Mr Hall at Round Hill Plantation, Hanover, Jamaica	Ordered by Charles Lawrence (Agents). With A Frames. See under Jamaica.
881	2	1815	1	Ind	16" x 2'-0"	6	40	ZCR 8	Ashley Hall Estate, Jamaica	Ordered by France Fletcher Yates & Co., Liverpool (Agents). With A Frames. See under Jamaica. Merchants Marks: A also A F.R.
882	2	1815	1	Ind	16" x 2'-0"	6	40	CY 8	Mr P McGarel at Hamburg Estate, Demerara	Ordered by Campbell Bowden & Co. (Agents). With A Frames.
882	1	1814	1	Ind		6		ZAY 8	Sutton & Davis	Intended for the Penitentiary.
[Please note that the same two single drawings cover items 872-882. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different clients.]										
891	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZV 8	J Wildman's Estate, Jamaica	Ordered by Addison & Bagott, Liverpool (Agents).
892	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAD 8	A G Milne, Fenchurch Street	
893	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAA 8	Union Estate, Trinidad Sir Thomas Picton	Ordered by Marryat & Son. Mill by Mr Rennie. Merchants Marks: <u>Un</u> & <u>U</u> ZAA WF
894	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAP 8	Mainstay Plantation, Essequibo	Ordered by Robert & William Pulsford (Agents). Increased to 12 HP in 1832. See under Essequibo. Merchants Marks: IH
895	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZAQ 8	Pusey Hall Plantation, Jamaica	Ordered by Robert Birkett, Lancaster (Agent). Merchants Marks: PH and E
896	1	1813	1	Ind	19¾" x 2'-6"	10	34	ZW 8		Ordered by Henry Wildman, Fen Court, Fenchurch Street, London (Agent) for Plantation in Jamaica. Merchants Marks: E HW
[Please note that one single drawing covers items 891-896. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different clients.]										
899	1	1815	1	Ind	? x 2'-6"	10	34	ZBU 8	John Austin Land of Plenty Plantation, Demerara	Ordered by Thomas Daniel & Sons. Merchants Marks: <u>ZBU</u> or PP. PU. D

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
900	1	1815	1	Ind	? x 2'-6"	10	34	ZBZ 8	Plantation Uniform, Demerara	Ordered by Underwood Hall & Co. Merchants Marks: PU and U.
901	1		1	Ind		12			Oswald Smith & Co.	London.
901	1	1813	1	Ind	? x 2'-6"	10		ZAT 8	Mainstay Plantation, Demerara first Engine was increased to 13 HP in 1832.	Ordered by Robert & William Pulsford (Agents). The Merchants Marks: IH.
901	1	1815	1	Ind	? x 2'-6"	10	34	ZCC 8	Mr Foulkes The Lodge Estate, Jamaica	Ordered by P & G Protheroe, Bristol (Agents). Merchants Marks: A∅F.
[Please note that one single drawing covers items 899-901. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different clients.]										
918	1	1815	1	Ind	? x 2'-6"	10	34		James Miller & Co.	
938	1	1816	1	Ind	17 $\frac{5}{8}$ " x 2'-6"	8	34	ZCL 8	Gordon Murphy & Co.	
939	2	1816	1	Ind	? x 2'-0"	8	34	DL 9		Ordered by Thomas & William March, No. 6 Winchester Street (Agents) for Plantation in Bahia, Brazil. See under Brazil.
940	2	1816	1	Ind	? x 2'-0"	8	34	DM 9		Ordered by A M Pedra Son & Co., 12 New Broad Street, (Agents) for Plantation in Rio-de-Janeiro. See under Brazil. Mill work by Rennie. Merchants Marks: C.
941	2	1816	1	Ind	? x 2'-0"	8	34	DN 9		Ordered by A M Pedra Son & Co., 12 New Broad Street, (Agents) for Plantation in Rio-de-Janeiro. See under Brazil. Mill work by Rennie.
942	2	1817	1	Ind	? x 2'-0"	8	34	EE 9	Mr Labelmondieri	Ordered by Joseph Denison & Co., London La Bonne Mere Plantation, Demerara (Agents). Mill work by Rennie. See under Demerara.
942	2	1818	1	Ind		8		EG 9	Elmwood Estate, Annsfield, Jamaica	Ordered by W Linwood. Merchants Marks: $\frac{E}{GP}$
943	2	1820	1	Ind	? x 2'-0"	8	34	EI 9		Gibbs Son & Bright, Bristol (Agents) for Plantation in Demerara. Made 10 HP in 1845.
[Please note that two single drawings covers items 938-943. This was a frequent occurrence where the same drawings were used for multiple customers when the same engine or machinery was ordered by a number of different clients.]										

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
944	3		1	Ind					H Mackintosh	London.
946	3	1816	1	Ind	22" x 3'-0"	14	30	CV 8	Goodwyn & Co.	East Smithfield.
960	3	1820	1	Ind	19 $\frac{3}{4}$ " x 2'-6"	10	34	GA 9	J Craven Junior	London. One exhausting machine for Sugar.
970	3	1819	1	Ind	? x 2'-0"	6	40	DR 9	Scott & Co per Jas Walker	Rotherhithe Street, London.
992	2	1830	1	Ind	? x 3'-6"	20	25	QY 11	Atlee & Co.	Wandsworth. First engine of this kind with improved valves.
993	2	1836	1	Ind	? x 3'-6"	20	27	MJ 12	Thomas Barton & Co.	Maskrey Mill.
997	1	1833	1	Ind	? x 3'-6"	20	27	PL 11	George Elliott	Pimlico.
998	1	1822	1	Ind	? x 3'-0"	12		GY 9	Keen, Son & Keen	Garlick Hill, London.
1014	2	1835	1	Ind		34		IQ 10	Oswald Smith & Co	Mill by Rennie.
1026	2	1828	1	Ind	? x 3'-0"	14		HY 9	Charrington & Co.	Mile End Road, London. Sold to Mr Liddell, Goat Brewery, Old Kent Road.
1029	1	1832	1	Ind	23 $\frac{5}{8}$ " x 3'-0"	16	30	JA 9	Grout Baylis & Co. originally Crane & Co.	Silk Mill.
<b><u>Bristol</u></b>										
836	5	1840	1	Ind	28" x 3'-6"	24	27	MO 12	Clarke Maze & Co.	Great Western Cotton Works.
<b><u>Plymouth</u></b>										
994	2	1829	1	Ind	? x 3'-6"	20	30	RA 11	Plymouth Brewery	Navy Victualling, Brewery at Cremill Point near Plymouth. 27 rpm is the regular speed.
<b><u>Lancashire</u></b>										
824	6	1815	1	Ind	16" x 2'-0"	6	40	ZBF 8	Peter Whitfield Brancher & Co Harrington Street, Liverpool	Sugar Works. With A Frames.
844	4	1806	1	Ind	19 $\frac{3}{4}$ " x 2'-6"	10	34	ZE 7	Philips & Lee	Manchester. Crank Shaft in centre of Base Frame.
			1	Ind	17 $\frac{5}{8}$ " x 2'-6"	10		6		
			1	Ind	19 $\frac{3}{4}$ " x 2'-6"	10		ZF 7		
			1	Ind	19 $\frac{3}{4}$ " x 2'-6"	10		ZH 7		
859	2	1814	1	Ind	19 $\frac{3}{4}$ " x 2'-6"	10	34	ZI 8	H Walker & Co.	

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
862	3	1812	1	Ind	19¾" x 2'-6"	10	34	ZR 8	David Holt	Manchester.
863	2	1812	1	Ind	19¾" x 2'-6"	10	34	ZC 8	Charles Idle Brothers & Co. Nova Scotia	Engine erected at Trinity Wharf, Rotherhithe.
869	2	1814	1	Ind	? x 3'-0"	14	30	P 8	Charles Greenway & Co.	
886	2	1815	1	Ind	16" x 2'-0"	6	40	ZBP 8	Stoddart Gale Howell & Co.	Bradford. With A Frames.
947	3	1817	1	Ind	22" x 3'-0"	14	30	GW 8	J Beckett	Barnsley.
980	2	1821	1	Ind	? x 3'-0"	14		GN 9	E & J Wallington	Dursley.
981	3	1821	1	Ind		14	30	GW 9	John & Nathl Philips & Co.	Jean Hall near Cheadle.
984	6	1823 1829	1 1	Ind Ind	19¾" x 2'-6" 19¾" x 2'-6"	10 10	34 34	GS 9 IA	James Kennedy	Manchester.
1000		1822	1	Ind	? x 2'-6"	8	34	9	Birley Hornby & Kirk	Manchester.
1002	3	1823	1	Ind	? x 3'-0"	14		HD 9	Thomas C Hewes	Manchester.
1004	3	1825	1	Ind	? x 3'-0"	14	30	HE 9	Samuel Greg & Co.	
1010	2	1839	1	Ind	? x 2'-0"	8	34	9	Swaby Esq.	Not sent. Combined drawings with item 1011 below.
1011	2	1839	1	Ind	? x 2'-0"	8	34	IG 9	William Leaf Crofts & Co.	Ordered by R Moreland & Co. (Agents).

#### **Staffordshire**

831	1	1833	1	Ind	? x 3'-0"	10		JB 9	James Watt Junior	Tilt Engine. French Walls. Smethwick.
-----	---	------	---	-----	-----------	----	--	------	-------------------	---------------------------------------

#### **Bath**

846	7	1808	1	Ind	19¾" x 2'-6"	10	34	ZM 7	Bally Ellen & Steart	Montall Paper Mill, Bath. Crank shaft in centre of Base Frame.
-----	---	------	---	-----	--------------	----	----	------	----------------------	-------------------------------------------------------------------

#### **Cambridgeshire**

890	3	1814	1	Ind	19¾" x 2'-6"	10	34	ZAS 8	Nutter & Son, Cambridge	Stones 4'-2" diameter x 120 Revolutions.
-----	---	------	---	-----	--------------	----	----	-------	-------------------------	------------------------------------------

#### **Suffolk**

945	2		1	Ind	? x 3'-0"	14	30	CU 8	Ranson & Son	Ipswich.
995	2	1841	1	Ind	? x 3'-6"	20		MP 12	J R & A Ramsome	Ipswich.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Cheshire</u></b>										
834	11	1835	1	Ind	? x 3'-6"	20	27	MG 12	Samuel Greg & Co.	Quarry Bank near Winslow near Macclesfield.
<b><u>Derbyshire</u></b>										
835	12	1836	1	Ind	? x 3'-6"	20		ML 12	Thomas Bridgett & Co.	
<b><u>Nottinghamshire</u></b>										
845	2	1807	1	Ind	19¾" x 2'-6"	10	34	ZX 6	Thomas Lowe	Granary. Crank Shaft in centre of Base Frame. Nottingham.
<b><u>Wiltshire</u></b>										
883	4	1814	1	Ind	16" x 2'-0"	6	30	ZAV 8	Hodgson & Son	Sugar Works. With A Frames.
885	2	1815	1	Ind	? x 2'-0"	6	40	ZBO 8	J Norris Clark	Trowbridge. With A Frames.
899	1	1815	1	Ind	? x 2'-6"	10	34	ZBU 8	John Austin Land of Plenty Plantation, Demerara	Ordered by Thomas Daniel & Sons. Merchants Marks: <u>ZBU</u> or PP. PU.
		D								
900	1	1815	1	Ind	? x 2'-6"	10	34	ZBZ 8	Plantation Uniform, Demerara	Ordered by Underwood Hall & Co. Merchants Marks: PU and U.
901	1		1	Ind		12			Oswald Smith & Co.	
901	1	1813	1	Ind	? x 2'-6"	10		ZAT 8	Mainstay Plantation, Demerara first Engine was increased to 13 HP in 1832.	Ordered by Robert & William Pulsford (Agents). The Merchants Marks: IH.
901	1	1815	1	Ind	? x 2'-6"	10	34	ZCC 8	Mr Foulkes The Lodge Estate, Jamaica	Ordered by P & G Protheroe, Bristol (Agents). Merchants Marks: A◇F.
[Please note that one single drawing covers items 899-901. This was a frequent occurrence where the same drawing was used for multiple customers when the same engine or machinery was ordered by a number of different clients.]										
911	1	1814	1	Ind	19¾" x 2'-6"	10		ZBH 8	John & Thomas Clark	Trowbridge.
952	2	1815	1	Ind	? x 3'-0"	14	30	EE 8	M Heale & Co.	Calne.
956	2	1815	1	Ind	? x 3'-0"	14	30	LL 8	Saunders Taylor & Co. Afterwards Charles Taylor & Co.	Chippenham.
958	2	1818	1	Ind	19¾" x 2'-6"	10		FN 9	Peter Anstie Junior	Trowbridge.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
971	2	1818	1	Ind	16" x 2'-0"	6	40	DQ 9	William Webb	Trowbridge. With A Frames.
996	3	1828	1	Ind	25½" x 3'-6"	20	30	SZ 11	John Stancomb	Trowbridge.
Gloucestershire										
959	2	1818	1	Ind	19¾" x 2'-6"	10	34	DX 9	H Hicks & Son	Eastington, near Stroud. See also Portfolio No. 979 below.
974	1	1820	1	Ind	? x 2'-0"	6	40	DB 8	Joseph Cripps & Son	Cirencester. With A Frames.
975	3	1820	1	Ind	? x 3'-0"	14		DS 9	W & P Playne & Co.	Minchinhampton.
976	1	1820	1	Ind	? x 3'-0"	14	30	DT 9	Henry Meux & Co.	
977	3	1820	1	Ind	? x 3'-0"	14	30	FK 9	Humphrey Austin & Sons	Alderley, near Wootton. See also Portfolio No. 983 below.
978	3	1821	1	Ind	? x 3'-0"	14	30	GL 9	Davies Beard & Davies	Leonard Stanley, near Stroud.
979	1	1821	1	Ind	? x 3'-0"	14	30	GM 9	H Hicks & Son	Eastington, near Stroud. See also Portfolio No. 959 above.
983	2	1821	1	Ind	19¾" x 2'-6"	10	34	GQ 9	H Austin & Son	Alderley, near Wootton. See also Portfolio No. 977 above.
985	2	1821	1	Ind	19¾" x 2'-6"	10	34	GR 9	Thomas Mercer	Kingswood, near Wootton. Item 986 sent.
986	2	1822	1	Ind	19¾" x 2'-6"	10	34	FX 9	J & W Strange	Wootton under Edge. Item 985 sent.
987	3	1823	1	Ind	19¾" x 2'-6"	10	34	GT 9	W & P Playne & Co.	Minchinhampton. Water Wheel also included.
999	3	1822	1	Ind	? x 3'-0"	14	30	HB 9	Roger Smith	Southfields, near Stroud.
1001	3	1823	1	Ind	? x 3'-0"	14		HC 9	Robert & William Helme & Co.	New Mill, near Stroud.
Somerset										
988	3	1825	1	Ind	19¾" x 2'-6"	10	34	HG 9	J & D Rawlings	Frome.
991	2	1825	1	Ind	19¾" x 2'-6"	10	34	HK 9	G M George	Frome.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>REEL 187</u></b>										
<b><u>ENGINES OF THE INDEPENDENT TYPE SUPPLIED TO FOREIGN COUNTRIES</u></b>										
<b><u>India</u></b>										
829	12	1832	1	Ind	? x 3'-6"	20	27	KK 11	R Fergusson & Co.	Oil Mill. Faviile Clark Innes & Co, Calcutta.
843	20	1845	1	Ind	? x 3'-6"	25	27	TG 13	Natmoo Estate, Calcutta	Saw Mill. Ordered by Cockerell & Co.
961	2	1819	1	Ind	19¾" x 2'-6"	10	34	FM 9	Calcutta Cannon Foundry	Per East India Co.
1013	2	1827	1	Ind	19¾" x 2'-6"	10	34	HI	Calcutta Saw Mill	Mill by John Hall & Sons, Dartford.
<b><u>Copenhagen</u></b>										
972	2	1817	1	Ind	? x 2'-0"	6	40	CZ 8	Streatham Lodge Estate, Trinidad	Ordered by William Lushington Junior. With A Frames.
973	2	1821	1	Ind	? x 2'-0"	6	40	GG 9	J C Drewsen, Copenhagen	Ordered by Gibson & Fomm, London. Used same drawings as item 972 above.
<b><u>Delft</u></b>										
982	4	1821	1	Ind	19¾" x 2'-6"	10	34	FO 9	C Maas & Son	
<b><u>Leyden</u></b>										
915	3	1815	1	Ind	19¾" x 2'-6"	10	34	ZCB 8	Wm Zoon & Co.	Ordered by F Van, Lelyveld.
1028	6	1832	1	Ind	? x 3'-0"	14	30	IV 9	Krantz & Son	
<b><u>Location not given?</u></b>										
928	4	1816	1	Ind	19¾" x 2'-6"	10	34	DH 3	M B G de Scheibler	Ordered by George Darrien & Co, London. L'Enfein?
1016	2	1831	1	Ind	? x 2'-6"	10	35	C 9	Bery & Paul Ainstie	Near Devizes? See under Wiltshire.
<b><u>Austria</u></b>										
826	4	1816	1	Ind	? x 2'-0"	6		ZCS 8	His Imperial & Royal Highness The Archduke John of Austria	Vienna.
1024	2	1829	1	Ind	? x 3'-0"	14	30	IT 9	For J G Schuller & Co. Baron Puthon	Near Vienna. Ordered by Doscat & Co.



Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>ENGINES OF THE SMALL SIDE-LEVER TYPE</u></b>										
721	2	1801	1	SSL		4		WJ 3	Wilson & Jackson	
722	4	1801	1	SSL		3		WS 3	J B & Thomas Williams	Bath.
723	2	1802	1	SSL		6		3	Bough & Holmes	
724	1	1802	1	SSL		4	40	3	Vickers & Jedstill	
725	6	1802 1803	1 1	SSL SSL		2 4		3 H 5	Messrs Addenbrook	This 2 HP engine was transferred to Easterby Hall & Co. in March 1802. Mr Addenbrook had a 4 HP in July 1803 which was repurchased in 1804 and sold to J Philips & Co. in 1807.
726	7	1802	1	SSL		6		3	Josiah Spode	
727	5	1802	1	SSL		6		3	Brown & Son	Derby.
728	1	1802	1	SSL		6		3	Stacey Wise & Co.	
729	1	1802	1	SSL		6	40	BL 3	Barrow Lees & Co.	
730	3	1807	1	SSL		4	40	3	Samuel Cheetham	Birley & Hornby. Blackburn.
731	1	1802	1	SSL		4		3	McGeorge	Edinburgh.
732	7	1802	1	SSL		6	40	A 3	H & G Austin	Wootton under Edge.
733	1	1802	1	SSL		6	40	3	Joshua & Samuel Ashton	Portwood, Stockport.
734	1	1803	1	SSL		6	40	P 5	Mr Pournal	
735	4	1803	1	SSL		6	40	G 5	Gould Williamson & Co.	
736	2	1803	1	SSL		6	40	a 5	Mr A Dean	Addingham, near Ottley. Ordered by Thomas Halliday & Co., Baildon.
737	3	1803	1	SSL		6	40	m 3	Marriott & Robinson	Afterwards Jesse Drakeford, Congleton.
738	1	1804	1	SSL		6	40	B 3	J Bury	
739	2	1803	1	SSL		6	40	O 5	John Gibb	Paisley.
740	1	1803	1	SSL		6		b 5	Heaton Colliery.	Colliery Winding Engine. Ordered by Mr Dudgeon.
741	2	1803	1	SSL			40	g 5	Fray, Hole & Potter	

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
742	1	1804	1	SSL		6	40	p 5	Barlow & Son	
743	2	1804	1	SSL		6		k 5	Robert Miller	
744	1	1804	1	SSL		6	40	r 5	Samuel Bridge	
745	1	1804	1	SSL		6	40	f 5	County of Stafford	
747	3	1804	1	SSL		6	40	y 5	John Cooper Junior & Co.	
748	2	1805	1	SSL		6	40		John Smith	Winding Engine.
749	1	1804	1	SSL		6	40	S 5	Colonel Mylne	
750	3	1805	1	SSL		6	40	ZA 5	George Hostoun	Colliery Winding Engine.
751	1 1	1805 1805	1 1	SSL SSL		6 6		ZG 5	Prince of Wales Island	J L Baraillier, Milford Haven, for working a Chain & Disc Pump.
752	3	1805	1	SSL		6		ZB 5	Sir John Hope	Saw Mill Engine. Ordered by Mr Grieve, his agent.
752	1	1805	1	SSL		6		ZN 6	Sir John Hope	Winding Engine. Ordered by Mr Grieve, his agent.
753	3	1805	1	SSL		6		ZH 5	Blackburn Spinning Co.	
754	5	1805	1	SSL		6	40	Z 5	John McCracken	Belfast, Northern Ireland. Afterwards owned by Leed & Baillie, Belfast. Also, portfolio contains drawings of Heating apparatus.
756	1	1805	1	SSL		6	40	ZL 6	E Rothwell & Co.	
757	1	1806	1	SSL		6	40	ZM 6	Patrick Hutton	Dundee. Flax Mill.
758	1	1806	1	SSL		6	40		R Andrew	
759	1	1806	1	SSL		6	40	ZO 6	Mr Dun	Glasgow.
760	2	1805	1	SSL		6		ZK 6	Sir John Hope	Ordered by Mr Green, his agent.
761	5	1806	1	SSL		6	18½	ZR 6	James Hoddinott	Silk Man. No 7. Caleaton Street, London.
762	1	1806	1	SSL		6	40	ZS 6	Mr Cassidy	Ireland.
763	4	1807	1	SSL		6	40	ZT 6	Mr Jarvis	Bratton.
764	8	1807	1	SSL		6	40	ZV 6	Mr Louson	Spinning Mill.
766	4	1807	1	SSL		6	40	ZZ 6	Philips & Co.	

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
767	1	1808	1	SSL		6	50	ZC 6	G Birch & Co.	Ireland.
768	2	1808	1	SSL		6	40	ZD 6	J & W Strange	
769	3	1808	1	SSL		6	40	ZE 6	Mr Bingley	
770	2	1809	1	SSL		6	40	ZH 6	Mr Aldridge	
772	2	1809	1	SSL		6	40	ZG 6	Mr Reed	
773	1	1809	1	SSL		6			Samuel Cheetham	Ordered by H Birley for Mr Samuel Cheetham.
774	4	1809	1	SSL		6	40	ZB 7	John Bawtree	
776	4	1809	1	SSL		6		ZU 7	Mr Madder	Brewery, in Watling Street, Dublin.
777	3	1810	1	SSL		6	40	ZV 7	Mr Robert Ranson	Ipswich.
778	2	1810	1	SSL		6	40	ZX 7	Howth Harbour	
779	4	1810	1	SSL		6	40	ZY 7	Trevor & Keoghs	Brewery, Dublin.
780	3	1810	1	SSL		6	40	ZQ 7	W G & J Strutt	
781	2	1810	1	SSL		6		ZV 8	William Atkinson	For the Duke of Devonshire at Dungarvan.
782	1	1811	1	SSL		6	40	ZU 7	Thomas Hewitt & Co.	
783	1	1811	1	SSL		6	40	ZO 7	Mr Tritton	Wandsworth.
784	1	1811	1	SSL		6	40	ZT 8	Christie & Catherow	
786	1	1813	1	SSL		6	40		Witham Navigation	
788	2	1812	1	SSL		6	40	ZN 8	Rundell Bridge & Rundell	
789	2	1813	1	SSL		6	40	ZT 8	George Houstoun	Johnston, Paisley.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>REEL 188</u></b>										
<b><u>VACUUM &amp; BLOWING ENGINES</u></b>										
<b><u>Scotland</u></b>										
676	14	1801	1	40" x 8'-0"	84"1 x 8'-0"	68.2		CI 3	Muskett & Co.	Calder Iron Works near Airdrie. Parallel Motion on Wood Beam.
677	18	1801	1	48" x 8'-0"	76" x 8'-0"	98.2		C4	Carron Iron Works	Parallel Motion on Iron Beam.
684	10	1801	1	42" x 8'-0"	76" x 8'-0"	75.6		O3	Marion Dalrymple	Omia Iron Works, near Hamilton.  Parallel Motion on Iron Beam.
690	16	1805	1	48" x 8'-0"	84" x 8'-0"	98.2		V6	William Wilson & Sons	Wilson Town, Lanark. Parallel Motion on Iron Beam.
696	2	1802	1	16" x 2'-0"			6	PF3	Perth Foundry Co.	Perth Foundry, Scotland. Small Side Lever.
697	1	1802	1	13" x 2'-0"			4	3	Mr Fulton	Glasgow. Small Side Lever.
706	1	1813	1	24" x 2'-0"			6	ZX8	George Musket	Dalkeith. Small Side Lever.
<b><u>Lancashire</u></b>										
706	1	1813	1				6		Birley & Hornby	Small Side Lever.
706	1	1800	1						Easterby Hale & Co	Blowing Apparatus.
706	3	1792	1						Mr Low	Cylinder for Mr Low.
<b><u>Yorkshire</u></b>										
672	7	1809	1	28" x 6'-0"	52" x 6'-0"	31.2		VV7	Booth & Co	Park Iron Works, Sheffield. Fly Wheel Engine at 10 HP x 14 strokes.
689	15	1802		33½" x 7'-0"	? x 7'-0"	48.4		GG5	Joshua Walker & Co	Holmes Iron Works, near Rotherham, Yorkshire. Parallel Motion on Iron Beam.
<b><u>Shropshire</u></b>										
671	21	1801	1	54" x 7'-0"		54.3			J W & B Botfield	Old Park Iron Works, Salop. Chain on Wood Beam.
680	7	1808	1	43" x 8'-0"	? x 8'-0"	78.9		HH7	Harrison Oliver Kitlee & Smith	Horsley Iron Works, near Tipton. Parallel Motion on Iron Beam.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
703	29	1802	1	36" x 8'-0"	66" x 8'-0"	55.2		JW3	Jessons & Wright	Barnet, Leasowe, Salop. Wood Beam & Parallel Motion. Round Valves See also Portfolio No. 681.
<b><u>Wales</u></b>										
678	12	1810	1	50" x 8'-0"	81" x 8'-0"	106.6		O7	William Taitt & Co.	Dowlais Iron Works, South Wales. Parallel Motion on Iron Beam.
679	40	1810	1	45" x 8'-0"	? x 8'-0"	86.2		PZ12	Benjamin Gibbons & Co.	Level Iron Works. Parallel Motion on Iron Beam.
679	2	1814	1	42" x 8'-0"	84" x 8'-0"	75.6		TT7	Benjamin Gibbons & Co.	Wednesbury Oak. Parallel Motion on Iron Beam.
679	2	1824	1	42" x 8'-0"		75.6		TF10	Benjamin Gibbons Junior & Co.	Corbyns Hall Works. Parallel Motion on Iron Beam.
682	6	1811	1	46" x 8'-0"	100" x 8'-0"	90.2		QQ8	Bailey & Wayne	Nantygls Iron Works near Newport. Monmouth. Parallel Motion.
698	18	1801	1	40" x 8'-0"	? x 8'-0"	68.2		TR3	Humfrey Fothergill & Co.	Tredegar Iron Works, Monmouth. Parallel Motion on Iron Beam.
<b><u>Northumberland</u></b>										
686	32	1846	1	54" x 8'-0"	108" x 8'-0"	124.2		HQ13	Ralph Sneyd	Silverdale Iron Works, near Newcastle. Parallel Motion on Iron Beam.
702	18	1801	1	28½" x 6'-0"	56" x 6'-0"	30		T 3	Fishwick Gibson & Co.	Tyne Iron Co, Newcastle-upon-Tyne. Parallel Motion on Iron Beam (Taken at 30 HP).
<b><u>France</u></b>										
687	29	1838	5	48" x 8'-0" 48" x 8'-0"	78" x 8'-0" 75½" x 8'-0"	491.0		PB & C11 LIPQ 12	Societe Anonyme de Charbonnages de Sclessins	Anonymous Society of Coal & Iron Mines of Sclessins. Parallel Motion on Iron Beam.
<b><u>REEL 189</u></b>										
<b><u>VACUUM &amp; BLOWING ENGINES</u></b>										
<b><u>South Devon Railway</u></b>										
669	67	1846	10	40" x 8'-0"	80" x 8'-0"		680.8	GC to GL13	South Devon Railway	Horizontal Engines & Vacuum Cylinders MN Countermanded. Made but not erected.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
670	94	1845	6	33" x 6'-0"	51" x 6'-0"		252.6	IA to	South Devon Railway	Vertical with Vacuum. Cylinder overhead . IF13 Includes letters and newscuttings.
670	100	1845	6				72	JU9 to JZ13	South Devon Railway	Independents to assist the Vertical Engines, see above. Item 670 is in 2 folders.
<b><u>Plymouth Iron Works</u></b>										
674	4	1850	2	45" x 7'-0"	90" x 7'-0"		164.8	HI & J24	Plymouth Iron Works	Horizontal Engines & Blowing Cylinders.
706	2	1846	2						Plymouth Iron Works	Blowing Cylinder for J & G Davies, 8 October 1846. Blowing Cylinder for Plymouth Iron Works, 1850.
<b><u>London, Croydon &amp; Epsom Railway</u></b>										
674	45	1846	6	36" x 6'-0"	72" x 6'-0"		300.6	HC to HH 13	London, Croydon & Epsom Railway	Horizontal Engines & Vacuum Cylinders. One Engine HE sent to James Toy & Son. HC & HD sent to the London & North Western Railway Co., Crewe, in 1852.
674	24	1846	2	45" x 7'-0"	90" x 7'-0"		164.8	HI & HJ 13	London, Croydon & Epsom Railway	Horizontal Engines & Vacuum Cylinders. Transferred to South Devon Railway, Dainton Station, and afterwards, in 1848, to the Plymouth Iron Works.
674	20	1850	2	36" x 6'-0"	72" x 6'-0"		100.2	HS & HT 13	London, Croydon & Epsom Railway	Horizontal Engines & Vacuum Cylinders. Drawings for item 674 are in 2 folders.
<b><u>Soho Foundry</u></b>										
706	5		2						Soho Foundry	New Blowing Cylinder for Soho Foundry; Blowing Cylinder for Broomie Law Foundry; Brades.
<b><u>Copenhagen</u></b>										
710	1	1805	1		16" x 4'-0"		8	D8.6	Danish Mint	Copenhagen. Bellows Engine.
710	12	1805	1		17 $\frac{1}{2}$ " x 4'-0"		14	E14 5	Danish Mint	Copenhagen. (see under Mint Engines).
710	12	1805	1		23 $\frac{3}{4}$ " x 5'-0"		20	E20 6	Danish Mint	Copenhagen. Forge Engine.
<b><u>Woolwich Dockyard</u></b>										
663	1	1814	2		22" x 3'-0"		28	GG & II 8	Woolwich Dockyard	GG is Tilt Engine. II 8 is Blowing Engine. See under Dock & Harbour Engines.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>PUMPING ENGINES</u></b>										
<b><u>Scotland</u></b>										
584	11	1801	1	63"x8'-0"	12"x 8'-0"	EBCh	86.7	HC 3	Proprietors of Halbeath Colliery	Lift 45 fathoms, also 9 fathoms of 6". 14 Strokes. Halbeath Colliery, Fifeshire.
589	3	1802	1	24"x6'-0"		EBCh	11	WW 4	Messrs John & James Wilson	Hurley Colliery, Renfrewshire.
609	5	1806	1	60"x8'-0"	14" x ?	EBPM	76.1	OO 6	Sir John Hope	Cairnie Pit, Inveresk, Edinburgh. Sold to Mr Laing of Edmonston. Lift 58 fathoms. 12 Strokes. See Portfolio No. 617 below.
609	5	1808	1	64"x8'-0"		EBPM	87.3	X 7	Sir John Hope	Sheriff Hall or Buccleugh Colliery, Inveresk, Edinburgh.
617	7	1816	1	66"x8'-0"	14"x8'-0"	EBPM	92.7	YB 9	Alex Laing Esq.	Edmonston, near Edinburgh. Lift 80 fathoms in 4 sections.
631	2	1812	1					ZV 8	Duke of Devonshire	At Dungarvan, per William Atkinson.
632	2	1804	1				6	S 5	Colonel James Mylne	Dundee. Pumping water from a Quarry. 40 feet deep.
<b><u>Northumberland</u></b>										
586	9	1801	1	52"x8'-0"		UBCh	57.6	KC 4	Messrs Liddle & Reaveley	Kenton Colliery, Northumberland.
603	3	1805	1	40"x8'-0"		EBPM	34.1	Z 6	Messrs Easterby Hall & Co.	Blanchland near Hexham, Northumberland.
610	7	1808	1	64"x8'-0"		UBPM	82.3	BB 7	Messrs Easterby Hall & Co.	Blanchland near Hexham, Northumberland.
<b><u>Yorkshire</u></b>										
611	4	1808	1	40"x8'-0"		EBPM	34.1	KK 7	Messrs Robert Smithson & Co.	Kirkham Colliery, near Wakefield, Yorkshire.
613	8	1810	1	50"x8'-0"	13"x8'-0"	EBPM	53.3	R 7	Messrs Thomas Lumley & Partners	East Layton Copper Mine, Yorkshire. Lift 98 fathoms. Sold to George & John Dixon of Cockfield Colliery near Darlington in June 1813.
<b><u>Staffordshire</u></b>										
588	13	1802	1	48"x8'-0"		EBCh	49.1	JS 6	Messrs the Fenton Park Colliery Co.	Golden Hill, Staffordshire. Messrs Josiah Spode & Partners.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Shropshire</u></b>										
591	21	1803	1	60"x8'-0"	14" x ?	UBPM	76.1	I 5	Gilbert Meason	Wanlock Head Lead Mine. For self and Partners. See also Portfolio No. 649. Lift 60 fathoms & 10 fathoms of a 9" Pump.
<b><u>Wales</u></b>										
587	10	1802	1	26 <sup>1</sup> / <sub>4</sub> "x6'-0"	6" x ?	EBCh	12 <sup>1</sup> / <sub>2</sub>	LM 4	Messrs Wilkinson Buxton & Co.	Llanarmon Mine. Denbighshire, North Wales. Lift 140 yards in three lifts.
593	13	1803	1	36"x8'-0"	10"x7'-0"	UBPM	27.6	T 5	Messrs Wilkinson & Buxton	Plasmostyn Colliery, Denbighshire, North Wales. Lift 100 yards.
<b><u>Ireland</u></b>										
606	14	1807	1	33 <sup>1</sup> / <sub>8</sub> "x6'-0"	14"x6'-0"	EBPM	21.0	G 6	Adventurers of Ross Island Mine	Killarney, Kerry. Lift 20 fathoms.
<b><u>Portugal</u></b>										
594	19	1803	1	44"x8'-0"	12"x8'-0"	EBPM	41.2	N 5	Messrs Dias Santos & Co.	Buarcos Mine, Portugal. Lift 45 fathoms, sent from Soho in two lifts and raises 100,000 cubic feet of water per 24 hours.
<b><u>India</u></b>										
616	19	1814	1 2	28"x3'-0"	14"x1'-6"	Ind Ind		14 BB 8	HH the Nabob Vizier of Oude	Near Lucknow, India. See detailed account in the Portfolio of drawings.
636	5	1826	1 1	28"x3'-0"	28"x3'-0"	Ind Ind		14 HW 9	Messrs Richards Mackintosh & Co.	For Irrigation purposes in Bengal.
<b><u>Netherlands</u></b>										
590	19	1803	1	31 <sup>1</sup> / <sub>2</sub> "x2'-6"	48"x2'-6"	EBPM	14.3	VL 5	J D Huichelbas Van Leinder	Steam Engine, in Ontlast Sluis, by the River Yssel, erected in the Crimpenrewaard in 1803 to 1804 under the direction of A Blanken Junior, in Holland. To lift 575 cubic feet 3 to 7 feet high. 20 strokes.
607	16	1822	1	36"x6'-0"	33"x6'-0"	EBPM	25.0	WU10	Mr Blanken	Nieve Deep, Holland. Nine Pumps. Diameter of Pumps 23", 23 <sup>1</sup> / <sub>4</sub> ", 23 <sup>1</sup> / <sub>2</sub> ", 23 <sup>3</sup> / <sub>4</sub> ", 23", 23", 33", 32 <sup>1</sup> / <sub>4</sub> ", 32 <sup>3</sup> / <sub>4</sub> ", 32 <sup>1</sup> / <sub>4</sub> ", 32 <sup>3</sup> / <sub>4</sub> ".



Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b><u>Suffolk</u></b>										
622	6	1820	1		C			24 XI 9		Swaffham & Bottlesham Fen. 21½ Revolutions. Also sketch of Scoop Wheel at Nordney Court, Littleport Fen near Southery. Scoop wheel made by Mr Rennie.
631	2		1	36"x7'-0"	32" x ?	EBPM	26.0	F 8	Commissioners of the Eau Brink Cut	Fens.
632	18	1844	1	23"x3'-0"		Ind		15 JT 13	Thetford Drainage.	A Frame Engine with Scoop wheel.
649	3		1	18"x3'-2"		ChB	4.0		Mr Salmons	Taken at 4 HP.
<b><u>London</u></b>										
631	25		1						Messrs Reid & Co	Brewery, London. Well Pump Work. Liquor Pond Street.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
<b>REEL 190</b>										
<b>BOAT ENGINES</b>										
1123	32	1821	2	SL	35½" x 42"	80	P	XU & V9	London & Edinburgh Steam Packet Co.	City of Edinburgh Boat built by Wigram & Co. Increased by 20 HP. See <i>Engineer</i> , 1866, page 48.
1124	49	1821	2	SL	39" x 42"	100	P	WI & K9	London & Edinburgh Steam Packet Co.	James Watt Boat by Wood & Co. Passenger vessel. Increased by 20 HP. New cylinders in 1827. Equal to 60 HP.
1125	46	1822	2	SL	42" x 4'-0"	120	P	YI 9 & VG10 Steam Packet Co.	London and Edinburgh	Soho Increased by 20 HP and made 140 HP in 1834. Passenger Vessel. See Tredgold, page 317.
1126	2	1821	2	SL		40	P	WG & H9	His Majesty's Post Office Packet	Dasher Port Patrick. Wrecked.
1127	18	1821	2	SL		40	P	XB & G9	His Majesty's Post Office Packet	Arrow Port Patrick Boat. Dover Packet.
1128	1	1823	2	SL		40	P	VV & W10	His Majesty's Post Office Packet	Spitfire Dover Boat. Wrecked 10 September 1842.
1129	2	1823	2	SL		40	P	VX & Y10	His Majesty's Post Office Packet	Fury Port Patrick Boat.
1130	7	1830	2	SL	30¼" x ?	50	P	PE & F11	His Majesty's Post Office Packet	Myrtle Previously called Firefly. Dover Boat.
1131	12	1831	2	SL	30¼" x 2'-6"	50	P	PU & V12	His Majesty's Post Office Packet	Ferret
1132	19	1833	2	SL		60	P	OV & W12	His Majesty's Post Office Packet	Ariel Previously called Arrow. Port Patrick Boat.
1133	28	1825	2	SL		140	P	TP & Q10 Post Office Packet	His Majesty's	Shearwater Previously called Dolphin. Liverpool Boat. Increased by 22 HP and made 160 HP in 1832.
1134	48	1825	2	SL		140	P	TG & H10	His Majesty's Post Office Packet	Avon Previously called Thetis. Liverpool Boat. Boat built by Graham of Harwick. Increased by 22 HP. New Cylinder 48½" diameter in 1835.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
1135	15	1825	2	SL		60	P	TW & X10	His Majesty's Post Office Packet	Wildfire Previously called Watersprite. Weymouth Boat.
1136	11	1830	2	SL		60	P	UT & U10	His Majesty's Post Office Packet	Fearless Previously called Flamer. Weymouth Boat.
1137	23	1823	2	SL	39½" x 3'-6"	80	P	VD & E10	London and Margate Steam Packet Co.	Albion Increased by 20 HP. New 50 HP Cylinders in 1829.
1138	12	1824	2	SL	43½" x 3'-6"	100	P	UX & Y10	London and Margate Steam Packet Co.	Dart Increased by 22 HP. New Cylinders in 1830.
1139	34	1826	2	SL	42" x 4'-0"	120	P	TL & M 10	London & Margate	Magnet Increased by 20 HP. Steam Packet Co. New Cylinder 45½" diameter in 1827.
1140	10	1826	2	SL		100	P	RD & E11	London & Margate Steam Packet Co.	Hero These engines were put in the vessel when it had its former engines taken out.
1141	37	1820	2	SL	35½" x 3'-0"	80	P	XS & T9	His Majesty's Post Office Packet	Monkey Previously called Lightening, before that Sovereign. Boat built by Elias Evans, Rotherhithe. Milford Boat.
1142	16	1830	2	SL	39½" x 3'-6"	100	P	PN & O11	His Majesty's	Harlequin Holyhead Boat. Increased by 20 HP. Post Office Packet Former Engines by Maudsley.
1143	26	1822	2	SL	? x 3'-6"	80	P	WY & Z10	His Majesty's Post Office Packet	Advice Previously called Vixen. Milford boat.
1144	15	1820	2	SL		80	P	WC & D9	His Majesty's	Meteor Weymouth boat. Boat built by Elias Evans, Post Office Packet Rotherhithe. Wrecked.
1145	26	1833	2	SL		100	P	OD & E12	His Majesty's Post Office Packet	Gleaner Previously called Gulnare. Increased by 30 HP.
1146	12	1823	2	SL		80	P	VK & L10	His Majesty's	Cuckoo Previously called Cinderella. Post Office Packet Holyhead Boat. Increased by 20 HP and made 100 HP in 1830.
1147	11	1824	2	SL		80	P	TB & C10	His Majesty's Post Office Packet	Crocodile Milford Boat.
1148	6	1825	2	SL		80	P	TD & E10	His Majesty's Post Office Packet	Escape Holyhead Boat. Increased by 20 HP and made 50 HP each in 1830.
1149	1	1825	2	SL		80	P	SJ & K11	His Majesty's	Wizard Holyhead Boat. Post Office Packet Increased by 20 HP and made 100 HP.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine		Other Details
1150	3	1827	2	SL		80	P	RB & C11	His Majesty's Post Office Packet	Dragon	Holyhead Boat. Increased by 20 HP and made 100 HP in 1829. The Milford and Holyhead Boats were all of a similar design.
1151	18	1826	2	SL	47½" x 4'-6"	160	P	SM & N11	Dublin & London Steam Marine Co.	Shannon	Dublin Steamer No. 1. Passenger vessel. Boat built by Fletcher & Son. See Tredgold, page 368.
1152	19	1826	2	SL	47½" x ?	160	P	SO & P11	Dublin & London Steam Marine Co.	Thames	Dublin Steamer No. 2. Passenger vessel. Boat built by Fletcher & Son. See Tredgold, page 368. The Thames and the Shannon later became the earliest of the P & O Steamers. See <i>Engineering</i> , 14 December 1866, page 465: article on <i>The P &amp; O Company</i> .

### REEL 191

#### BOAT ENGINES

1153	13	1820	2	SL		60	P	XM & N9	London and Margate Union Co.	Venus	Previously called Matchless. Increased by 16 HP. New cylinders in 1826 35½" diameter equal to 38 horses. Boat from London to Margate.
1154	10	1817	1	SL	26¾ x ?	20	P	YS 9	Darthez Brothers, 17 Camomile Street, London		Boat runs between Cadiz and Seville.
1155	12	1823	2	SL		30	P	GU & V9	Darthez Brothers, London		Boat runs from Cadiz to St Lucar.
1156	14	1834	2	SL	43½" x 3'-6"	120	P	ND & E12	Herne Bay Co.	Fame	See Tredgold on the <i>Steam Engine</i> , page 474. Boat built by Fletcher Son & Fearnall, London.
1157	38	1843	2	SL		120	P	JB & C13	Herne Bay Co.	Herne Bay	Previously called Heron. Boat built by Ditchburn & Co.
1158	15	1834	2	SL	43½" x ?	120	P	NQ & R12	New Herne Bay Co.	Red Rover	Boat built by Fletcher Son & Fearnall, London. See Tredgold on the <i>Steam Engine</i> , page 474.
1159	7	1834	2	SL		120	P	NS & T12	New Herne Bay Co.	City of Canterbury	Boat from London to Herne Bay & Margate.
1160	17	1841	2	SL		120	P	NZ & MA12	Sicilian Government	Maria Teresa	2 x 60 HP.
1161	21	1841	3	SL	39½" x ?	100	P	NW & X12	Sicilian Government	Il Peloro	2 x 50 HP.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
1162	12	1842	2	SL		42	P	LN & O12	Sicilian Customs No. 1	La Rondine 2 x 21 HP.
1163	19	1842	2	Osc	23¾" x 2'-6"	40	P	KX & Y13	Sicilian Customs No. 2	L' Antelope Boat built by Mr Pitcher.
1167	15	1829	2	SL		60	P	SU & V11	Imperial & Royal Danube	Francis 1st Andrews & Pritchard for the River Danube. Steam Navigation Co. Ordered by Doxat & Co., London.
1168	9	1832	2	SL	3-¼" x 2'-6"	50	P	OF & G12	Imperial & Royal Danube Steam Navigation Co.	Donau Previously called Argo.
1169	8	1832	2	SL	26½" x 2'-6"	36	P	PS & T	Imperial & Royal Danube Steam Navigation Co.	Pannonia
1170	17	1834	2	SL	35½" x ?	70	P	NC & B12	Imperial & Royal Danube Steam Navigation Co.	Maria Dorothea
1171	9	1834	2	SL		80	P	QU & V11	Imperial & Royal Danube Steam Navigation Co.	Zringy
1172	19	1834	2	SL	27½" x 2'-6"	42	P	MN & C12	Imperial & Royal Danube Steam Navigation Co.	Nador 2 x 21 HP.
1173	15	1835	2	SL		100	P	OZ & NA12	Imperial & Royal Danube Steam Navigation Co.	Ferdinando 1st
1174	5	1835	2	SL	35½" x 3'-6"	80	P	MH & I12	Imperial & Royal Danube Steam Navigation Co.	Arpod 2 x 40 HP.
1175	25	1836	2	SL	45½" x 4'-0"	140	P	ON & O12	Imperial & Royal Danube Steam Navigation Co.	Persia Previously called Clemens Metternich.
1176	12	1836	2	SL		60	P	MV & W12	Imperial & Royal Danube Steam Navigation Co.	Maria Anna 2 x 30 HP. Increased by 16 HP and made 2 x 38 HP in 1837.
1177	35	1837	2	SL	51" x 4'-6"	160	P	RR & S 11	Imperial & Royal Danube Steam Navigation Co.	Stambul
1178	20	1837	2	SL	32¾" x 2'-6"	60	P	LC & D 12	Imperial & Royal Danube Steam Navigation Co.	2 x 30 HP.
1179	11	1836	2	SL		60	P	LL & M 12	Imperial & Royal Danube Steam Navigation Co.	2 x 30 HP.
1180	18	1838	2	SL	? x 4'-0"	120	P	MM & N 12	Imperial & Royal Danube Steam Navigation Co.	Seri Pervas 2 x 60 HP.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
1181 London.	14	1840	2	SL		76	P	LJ & K 12	Imperial & Royal Danube	Archduke Stephen Iron Boat by Ditchburn and More, Steam Navigation Co. 2 x 38 HP.
1182	15	1840	2	Osc		40	P	KC & D 12	Imperial & Royal Danube Steam Navigation Co.	Archduke Lewis 2 x 20 HP.
1183	15	1840	2	Osc		40	P	KE & F 12	Imperial & Royal Danube Steam Navigation Co.	Franz Carl 2 x 20 HP.
1184	15	1840	2	Osc		40	P	KG & H 12	Imperial & Royal Danube Steam Navigation Co.	Hermione 2 x 20 HP. Combined drawings for items 1182-1184.

**REEL 192**

**BOAT ENGINES**

1185	30	1845	2	Osc	? x 3'-0"	60	P	IM & N 13	Sir J W Lubbock, Bart. & Co.	Relampago or Lightening	From Cadiz to Port St Mary.
1186	15	1853	2	Osc	36½" x 3'-0"	80	P	DG & H 14	Sir J W Lubbock, Bart. & Co.	Ligero	
1187	29	1841	2	SL		120	P	KT & U 13	Sir J W Lubbock, Bart. & Co.	El Rapido	Steamer for Sea and River Guadalquiver. Sir J W Lubbock & Co., 2 St Mildreds Court, London.
1188	19	1844	2	Osc	27" x 2'-6"	350	P	JN & O 13	Sir J W Lubbock, Bart. & Co.	Hercules	Boat built at Cadiz. From Cadiz to Port St Mary.
1189	21	1825	2	SL	? x 3'-0"	60	P	VM 10 & SI 11	Haldimand & Sons, London	Leman	Boat for Lake Geneva.
1190	9	1825	2	SL	23½" x 2'-6"	28	P C	FF & P 9 ? x 2'-0"	Haldimand & Sons, London	Union	For Lake Neuchatel. Sold to the Constance Steam Boat Company in 1831 for their Rhine Boat. Monsieur Collier du Thon.
1191	5	1831	2						Constance Steam Boat Co.		Rhine Boat. See Portfolio No. 1190 above.
1192	15	1846	2	Osc	59" x 4'-0"	230	P	HY & Z 13	Imperial & Royal Austrian Lloyds Steam Navigation Co.	Italia	
1193	15	1846	2	Osc	59" x 4'-0"	230	P	GA & B 13	Imperial & Royal Austrian Lloyds Steam Navigation Co.	Germania	The Albion which was the ship which took out these Engines went down on her passage. This order was replaced by that covered by Portfolio No. 1194 below.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine		Other Details
1194	15	1847	2	Osc	59 x 4'-0"	230	P	FC & D 13	Imperial & Royal Austrian Lloyds Steam Navigation Co.	Germania	These Engines replaced order lost as No. described in Portfolio No. 1193.
1195	15	1847	2	Osc	59" x 4'-0"	230	P	FE & F 13	Imperial & Royal Austrian Lloyds Steam Navigation Co.	Europa	
1196	15	1847	2	Osc	59" x 4'-0"	230	P	FG & H 13	Imperial & Royal Austrian Lloyds Steam Navigation Co.	Italia	
1197	15	1847	2	Osc	59" x 4'-0"	230	P	FI & J 13	Imperial & Royal Austrian Lloyds Steam Navigation Co.	Asia	Items 1192-1197 all refer to vessels for the Austrian Lloyds Steam Navigation Co. The same drawings were used for each vessel.
1198	38	1840	2	SL		160	P	LJ & K 12	Imperial & Royal Austrian Lloyds Steam Navigation Co.	SS Imperatore	2 x 80 HP.
1199	38	1842	2	SL		160	P	JA & KZ 13	Imperial & Royal Austrian Lloyds Steam Navigation Co.	SS Empress	2 x 80 HP. Same drawings used for 1198 and 1199.
1200	36	1833	2	SL	55 $\frac{5}{8}$ " x 5'-0"	220	P	OX & Y 12	Pacha of Egypt	Nile	Bruggs Thurburn & Co., Agents.
1201	28	1832	2	SL	53" x 5'-0"	200	P	OP & Q 12	London & Edinburgh Steam Packet Co.	Monarch	Sold to the General Steam Navigation Company. See advertisement in Wicksteed, page 35, on Boulton & Watt Pumping Engines in the Cornish area .
1202	42	1847	2	Osc	27" x 2'-6"	40	S	G & V 13	Sack Bremer & Co., London	Thames	
1203	42	1847	2	Osc	27" x 2'-6"	40	S	GW & X 13	Sack Bremer & Co., London	Elbe	
1204	42	1847	2	Osc	27" x 2'-6"	40	S		Sack Bremer & Co., London	Queen	Same drawings used for 1202, 1203 and 1204. All of same design.
1205	40	1846	2	Osc	? x 3'-0"	60	P	HM & N 13	Bombay Steam Navigation Co.	Surat	Boat built by Thomas Vernon & Son.
1206	40	1846	2	Osc	? x 3'-0"	60	P	HO & P 13	Bombay Steam Navigation Co.	Dwarka	Same drawings used for 1205 and 1206.
1207	27	1847	2	Osc		60	S	GY & Z 13	Continental Cattle Steam Ship Conveyance Co.	Free Trade	
1208	27	1847	2	Osc		60	S	FA & B 13	Continental Cattle Steam Ship Conveyance Co.	Eider	Same drawings used for 1207 and 1208.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
1209	20	1847	2	Osc	36½" x 3'-0"	80	P	GS & T 13	Pinto Perez & Co.	Adriano Previously called Trojano.
1210	10	1825	2	SL	31½" x 3'-0"	60	P	TU & V 10	Vander Hoop, Amsterdam	Ordered by Baring Brothers & Co.
1211	25	1826	2	SL	? x 4'-0"	120	P	SX & Y 11	Richards Mackintosh	Forbes & Co., London Hoogly Tug. Made her first voyage to China in the Spring of 1830.
1212	17	1844	2	SL	23" x 2'-0"	28	P	JR & S 13	East & West India Dock Co.	Tug Boat.
1213	5	1815	1	SL	38" x 4'-0"	50	P	NN 8		William Hodgson & Co., Sheffield, Agents. Double Engine. For Lake Ontario.
1214	3	1816	1	Vertical	38" x 4'-0"	50	P	YA 9	Gillespie Gerrard & Co.	For Lake Ontario.
1215	34	1834	2	SL	? x 3'-0"	70	P	NJ & K 12	Hudson Bay Company	Beaver Vancouver Island Boat.
1216	9	1823	2	SL		40	P	WV & M 10	Lonergan & Co. 3 Austin Friars, London	For a boat at Seville.

### REEL 193

#### BOAT ENGINES

1217	26	1827	2	SL	26½" x ?	36	P	QF & G 11	Amministrazione della Societa Privilegiata de Batelli a Vapore, Milan	Virgil Previously called Pavia. Boat for the River Po Service.
1218	20	1827	2	SL		40	P	SS & T 11	Amministrazione della Societa Privilegiata de Battelli a Vapore, Milan	Eridano Ordered by Doxat & Co., London. River Po Boat.
1219	22	1841	1	SL		18	P	KM 12	Signor Guiseppe Camozzi of Como	Il Falco della Rupe Vessel to navigate Lake Como. See interesting correspondence in the Portfolio of drawings.
1220	34	1821	2	SL		80	P	WC & D 9	His Majesty's Tug Boat	Comet On Channel and River service, and to the coast of Norway. See <i>Engineer</i> , 1866 page 48. Also used for towing Men-of-war from one port to another. Boat by Mr Lang. See Smiles, <i>Life of Responio</i> , page 365.
1221	26	1823	2	SL	? x 3'-6"	100	P	VH & I 10	His Majesty's Tug Boat	Meteor Boat by Elias Evans, Rotherhithe. Channel Service and on the Packet Service to the Mediterranean.



Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine		Other Details
1222	25	1826	2	SL	? x 3'-6"	80	P	UB & C 10	His Majesty's Steam Vessel	Alban	For the Channel and Harbour Service.
1223	27	1825	2	SL	? x 3'-6"	100	P	TI & J 10	His Majesty's Post Office Packet	Carron	On Channel and Harbour Service and to the Mediterranean as a packet.
1224	9	1826	2	SL		100	P	SF & G 11	His Majesty's Steam Vessel	Pluto	On the Coast of Africa Service. For the suppression of the Pirates on the Bahama Banks, armed with 2 long 18 pounder guns.
1225	20	1832	2	SL		120	P	RH & I 11	His Majesty's Steam Vessel	Flamer	Boat by Mr Lang.
1226	19	1831	2	SL	? x 3'-6"	100	P	IA & B 12	His Majesty's Post Office Packet	Tartarus	Same drawings used for both items 1226 and 1227.
1227	19	1931	2	SL	? x 3'-6"	100	P	RP & Q 11	His Majesty's Surveying Ship	Columbia	Same drawings used for both items 1226 and 1227. Used as a surveying ship, also on the Packet service to the Mediterranean.
1228	6	1815	1	Ind	25½" x 3'-0"	20	P	RR 8	His Majesty's Steam Vessel	Congo	Previously called Zayre. With A Frame. Similar to No. 1248. Boat for the Zayre River. See <i>Engineer</i> , 1866. Pages 7 & 87.
1229	27	1844	2	SL	48" x 4'-0"	150	P	JH & I 13	Her Majesty's Ship	Myrmidon	Boat by Ditchburn & Mare. Orchard Yard, Blackwall.
1230	72	1841	2	BT	64¾" x 5'-0"	300	P	KP & Q 12	Her Majesty's Steam Sloop	Virago	Vertical, Direct Acting Engine. 2 x 150 HP.
1231	98	1845	4	Osc	43½" x ?	350	S	IV & W 13	Her Majesty's 44 Gun Frigate	Simoom	Previously called Eurotas. Same drawings used for both items 1231 and 1232.
1232	98	1845	4	Osc	43½" x ?	350	S	IX & Y 13	Her Majesty's 44 Gun Frigate	Sanspariel	Previously called Horatio. Same drawings used for both items 1231 and 1232.

**REEL 194**

**BOAT ENGINES**

1233	90	1844	2	Osc	70¾" x 5'-0"	350	P	IP & Q 13	Her Majesty's Steam Sloop	Trident	
1234	45	1834	2	SL	? x 5'-0"	220	P	NN & O 12	His Majesty's Ship	Hydra	



Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine		Other Details
<b>REEL 195</b>											
<b>BOAT ENGINES</b>											
1247	22	1837	2	SL		60	P	LA & B 12	Ceylon Steam Vessel	Seaforth	2 x 30 HP.
1248	35	1815	1	Ind	25½" x 3'-0"	20	P	QQ 8	Tyrie Steam Packet Co.	Eagle	Boat built by Mr Doeg, North Shore, between Newcastle and Shield. With A Frame. Steam Packet on the River Tyne.
1249	14		2	SL		62			Crusader		Engines by Maudsley. New 31 HP Cylinders & Slides by Soho in 1836. Cylinder 32" diameter x 3'-0" stroke.
1250	2		2	SL		62			Salamander		Engines by Maudsley. New 31 HP Cylinders & Slides by Soho in 1836. Cylinder 32" diameter x 3'-0" stroke.
1251	24	1817	2	SL	20¾" x ?	40	P	YH & L 9	London & Margate Steam Yacht Co.	Favourite	See <i>Engineer</i> , 1866, page 87. Increased by 10 HP to 40 HP.
1252	9	1830	2	SL	28½" x ?	50	P	QN 11	London & Margate Steam Packet Co.	New Favourite	Previously called William IV and Lark. Also 30¼" x 2'-6" figured on drawings.
1253	5	1824	2	SL		20	P	GO & P 9		London	Previously called Diamond. River Thames Boat.
1254	9	1819	2	SL		20	P	FV & W 9	Diana		Boat built of Larch from Duke of Athol.
1255	22	1820	2	SL	27 <sup>3</sup> / <sub>16</sub> " x 2'-6"	20	P	GE & F 9	Sons of Commerce		Previously called Fly. Boat built by Elias Evans, Rotherhithe.
1256	14	1822	2	SL		40	P	WM & N 10		King of the Netherlands No. 1	From London to Rotterdam. These Engines taken out of the Vessel and others (see below) of 30 HP substituted in 1823. (New cylinders 30¼" diameter ordered in 1826 for the Queen of the Netherlands (see below).
										equal to 25 HP	
1256	1	1823	2	SL		60	P	WE & F 9		King of the Netherlands No. 2	The 20 HP Engines taken out of the vessel and those of 30 HP substituted.
1256	1	1826	2	SL	30¼" x ?	50	P			Queen of the Netherlands	See above. Used old engines from King of the Netherlands.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine		Other Details
1257	6	1818	1	SL		14	P	FQ 9	B Richards & Co. 4 Old Jewry Street		Boat on the River Po. Sold to the Milan Co. and erected in the Verbano, Lago Maggiore.
1258	16	1813	2	BT		8	P	ZAK 8	Clyde Steam Boat Company	Prince of Orange	Peculiar type of engine.  See <i>Engineer</i> , 1888, page 516. Cylinders placed inside Boilers. See also <i>Engineering</i> , 4 February 1881.
1259	10	1813	2	BT		8	P	ZAI 8	Clyde Steam Boat Company	Princess Charlotte	
1260	9	1829	2	SL		70	P			New Eclipse	See Portfolio No. 1261 below. With alterations increased to 70 HP.
1261	28	1819	2	SL	31½" x 3'-0"	60	P	XD & E 9	London and Margate Union Co.	Eclipse	Increased by 10 HP to 70 HP. See Portfolio No. 1260.
1262	14	1831	2	SL		40	P	QD & E 11 Boat Company	Constance Steam	Leopold 1st on	Boat built by Doxat & Co., London, acting behalf of the Administration of the Company of Steam Boat Navigation of the Lake of Constance in the Grand Duchy of Baden.
1263	4	1820	2	SL		40	P	YV & XZ 9	Thomas Brockelbank, London	SS Kiel	Steam Barge SS Kiel, of Copenhagen, formerly the "Eagle" made for Thomas Brockelbank, sold to the Danish Admiralty and renamed the "Kiel".
1264	6	1831	2	SL		40	P	QI L 11 QI S 11		Rose  1271 below.	Southend Steam. These Engines were originally in the "Hawk", see Portfolio No.
1265	9	1820	2	SL		30	P	FR & S 9		Swiftsure	Boat from London to Gravesend.
1266	8	1821	1	SL	? x 3'-6"	16	P	HA 9	Mr Rontgen		Moerdyck Ferry.
1267	4	1825	2	SL		80	P	VQ & R 10	Carlisle & Liverpool Steam Packet Co.	Solway	Same drawings used for both items 1267 and 1268.
1268	4	1825	2	SL		80	P	VZ & UA 10	Carlisle & Liverpool Steam Packet Co.	Cumberland	Same drawings used for both items 1267 and 1268.
1269	21	1838	2	SL	23" x 2'-0"	28	P	LS & T 12	J Andrews	Sophia	J Andrews of Retihof, near Gunselderf, Vienna. 2 x 14 HP. Steamer for the Lake of Gmjunden.

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
1270	24	1817	1	SL		14	P	FE 9	Mr Schroeder, Bremen	Agent J A Droop, Love Lane, Great East Cheap, London.
1271	9	1826	2	SL		40	P	SQ & R 11		Hawk Boat runs between London and Gravesend. Increased by 10 HP to 50 HP. New Cylinder 30¼" diameter in 1829. These Engines were put into the "Rose", see Portfolio No. 1264 above.
1272	8	1834	2	SL		50	P	OS & T 12	Ramsgate Steam Packet Co.	
1273	32	1815	1	Ind	19¼" x ?	10	P	ZBY 8	Phillip Purcell & Co., Cork	With A Frame.
1279	24		3							Genoa Dredger. Liverpool Mud Engine, Hamburg Dredger &

**REEL 196**

**MISCELLANEOUS DRAWINGS**

Portfolio Number	Approx No: of Drawings	Description of Contents	Other Details
1329	3	Drawings for Messrs McConnel Brothers.	
1330	17	Drawings for Messrs Hawker & Richards.	
1331	1	Drawings for George Ashburner.	
1332	2	Drawings for Messrs Heygate Mason & Co. Calver Mills.	
1333	11	Meteorological Charts.	
1334	84	Heating apparatus; Miscellaneous drawings.	
1335	11	Heating apparatus, Leamington Baths.	
1336	20	Drawings for Lieutenant Francis Higginsons, Patent Floors.	
1337	9	John Dickson's patent Rotary Engine.	
1338	74	Steam Wheels; Memorials; Dutch Windmills; drawings for Lataste Plantation.	

Portfolio Number	Approx. No: of Drawings	Earliest Date on Drawings	No: of Engines	Type of Engine	Cylinder diameter x Stroke	Horse Power	Rev. per minute	Letters & Number of Order Book	Owner of Engine	Other Details
1340	27			Double Reciprocating engine at Soho Manufactory (18").						Includes bundle of letters with the drawings. S B Moody. GR 6 HP, 9" x 2'-0" Stroke. Messrs Rohde & Co. 9½" x 2'-0" Stroke. Messrs Clark, Salmon & Co. 11¼" x 2'-0" Stroke. Symonds 9¼" x ? Stroke.
1341	53			Drawings of Equalizing Beams and Rotative Motions.						
1342	30			Printed sheets of engine details.						
1343	18			Drawings of Self Moving, Rotary motions.						
1344	6			Dutch Windmill.					4 drawings of Windmills and 1 drawing of a Steam Engine.	
1345	58			Miscellaneous Plans, Drawings, Models.					(Folder 1 of 2).	
1345	70			Miscellaneous Plans (including material for Plantations).					(Folder 2 of 2).	

#### **REEL 197**

#### **MISCELLANEOUS DRAWINGS**

1346	107			Sliding Valve Engines, chiefly at Soho Manufactory.						Includes material for Messrs Machlich & Slocovich, Trieste 12" x 18" Stroke; B Morrell 12" x 18" Stroke; J Clarke & Sons, afterwards Duke of Devonshire, JD 3 HP, 11⅝" x 2'-0" Stroke, see Order Book No. 9, 16" Independent; Messrs Loneragan & Co. for Don Juan Fentecta Geedo, JC 2 HP, 9½" x 2'-0" Stroke, 40 Revolutions per minute, see Order Book No. 9, Independent Pumping Engine; Sir John Lubbock, Independent Engine and various others. (Folder 1 of 2).
1346	72			Sliding Valve Engines, chiefly at Soho Manufactory.						Continued from above. (Folder 2 of 2).

#### **Miscellaneous Box 8:**

Nine un-numbered portfolios described as follows:

(1)	56			Plans and Drawings of Buildings - Boulton's House.						
(2)	45			Soho Manufactory.						
(3)	21			Plot Plans - Soho Foundry.						
(4)	64			Detailed Plans - Elevations: Soho Foundry.						
(5)	5			Plot Plans, other than Foundry.						
(6)	21			Houses at Soho Foundry.						
(7)	120			Engines, Boilers, Machinery etc, at the Soho Foundry.						
(8)	15			Cranes.					Includes Soho Manufactory Crane.	
(9)	59			Miscellaneous.						