

About the Heavy Metal project



'Heavy Metal' is an archive project, funded by the Heritage Lottery Fund, the Road Locomotive Society and the University of Reading.

The project started in January 2007 to encourage more people to use MERL's steam engine and farm machinery manufacturers' archives and to make them more accessible.

Over many months, Museum staff and volunteers have sorted and catalogued a large range of archives. These include 10,000 engineering drawings produced by steam engine manufacturers, Charles Burrell and 2,500 from Wallis and Steevens.

The volunteers, who include members of the Road Locomotive Society, also learnt conservation techniques enabling them to repackage glass negatives and preserve around 1,000 fragile drawings.

A project archivist was employed to sort and produce an electronic catalogue of three major archive collections: Wallis and Steevens and agricultural machinery manufacturers' International Harvester and Massey-Ferguson. These collections include technical literature, business and employee records, engineering drawings, photographs and advertising materials.

When the electronic catalogues are complete, the list of MERL archives will be available for everyone online at the Access to Archives' website – www.a2a.org.uk

The project has also enabled MERL to digitise a number of fragile archives to preserve them for the future and make them easier to use. These include a number of Wallis and Steevens production registers, which are requested frequently, and 600 glass negatives on loan from the Road Locomotive Society.

In order to attract more steam engine and tractor enthusiasts to use the archives, Museum staff took a touring archive exhibition to local steam rallies and country shows during the Summer. This included stands at the Steam and Vintage Show at Milestones Museum (Hampshire), the Etruria Canals Festival (Stoke-on-Trent), the Woodcote Rally (Berkshire), the Reading and Wokingham Country Show and the Newbury Show.

At each show, museum staff encouraged visitors interested in doing research on their engines or tractors to attend the Museum's archives workshops in the Autumn. The Museum also wanted to encourage children and families to visit MERL and a colouring-in competition was run at each show and the winners publicised in the press.

The project has been run in consultation with a steering group consisting of The National Traction Engine Trust, the Road Roller Association, the Steam Plough Club and the Road Locomotive Society. Each steering group organisation has also helped promote the project by displaying posters and leaflets at steam rallies they have attended and in their club journals.

The project has also been publicised in the Reading newspapers (*Evening Post* and the *Reading Chronicle*) and in the specialist publications including *Old Glory* and *Vintage Spirit* magazines and *The World's Fair* newspaper.

Heavy Metal archive workshop Ransomes, Sims and Jefferies Limited

A brief history

Early history

- 1789 Robert Ransome, an iron-founder, moves from Norwich to Ipswich and sets up business there to expand his markets

Company name changes

- 1809 Ransome and Son – eldest son, James, joins as a partner
- 1818 Ransome and Sons – 2nd son, Robert, joins as a partner
- 1825 J. & R. Ransome – Robert Senior retires
- 1830 J. R. & A. Ransome – James' son, James Allen, joins as a partner
- 1846 Ransomes and May – Charles May joins the partnership
- 1852 Ransomes and Sims – Charles leaves, but his son William Sims, replaces him
- 1869 Ransomes, Sims and Head – John Head, a former apprentice, becomes a partner
- 1881 Ransomes, Head and Jefferies – J. R. Jefferies, a former apprentice, is made a partner
- 1884 Ransomes, Sims & Jefferies Limited becomes a private limited company
- 1911 Ransomes, Sims and Jefferies becomes a public limited company

Ransomes' main product ranges

- Ploughs
- General products including iron bridges in Suffolk (1820s); chairs, fastening and other railway equipment (from 1840s until 1869, as a separate business, Ransome and Rapier)
- Agricultural implements and equipment including harrows, cultivators, barn machinery and threshing machines
- Steam-powered engines including portable, stationary and traction engines
- Lawn-mowers
- Combine harvesters

Ransomes' Ploughs

- Robert Ransome was well-known for his experiments with cast iron, which had previously been written off for farming work because it was too brittle.
- 1803 Ransome patents his 'chilling process' which enabled plough-shares to sharpen themselves as they worked through the soil
- 1808 Ransome patents his interchangeable plough parts
- New product ranges introduced: YL ploughs in 1843; the Newcastle ploughs (RN series) from 1864; the self-lift ploughs (RSLD and RSLM series) from 1926 and the Ford-Ransome series in 1946

Steam engines

- 1841 First portable steam engine exhibited at the Royal Agricultural Society's (RAS) show
- 1842 Ransome demonstrates a prototype self-moving engine at the RAS show
- 1856 Ransomes and Fowler jointly produce a steam ploughing engine
- Ransomes also produced horse and hand-driven alternatives to steam-powered versions, such as a threshing machine driven by four horses
- In the late 19th century more than four-fifths of threshing machines and steam engines sales were exported overseas. The main markets were Russia, Australia and South America



Lawn-mowers



- 1839 Ransomes start producing the mowing machine, patented by Edwin Budding of Stroud
- 1839 Royal Agricultural Society awards its first gold medal to Ransomes for its lawn-mower at the first RAS show in Oxford
- 1902 The first motor petrol mowers were introduced

Market conditions in 20th century

- In 20th century, trading conditions were difficult for agricultural engineers following the two World Wars.
- Several export markets including Russia were lost and Ransomes redirected their exports towards South Africa. There was also increasing competition from North American manufacturers.

Key developments

- 1910s Ransomes started manufacturing electric (battery-powered) trucks and buses
- 1927 The first tractor-mounted plough was developed
- Late 1930s Ransomes build aircraft and arms for the World Wars and farm implements for the ploughing-up campaign
- 1936 The Market Garden (MG) small crawler tractor was introduced, powered by a lawn-mower engine. This remained in production until 1965
- 1947 The first battery-powered fork lift truck is built
- 1950s Combine harvesters were introduced (they were discontinued in the 1970s)
- 1968 Ransomes buys Catchpole Engineering and produces plough and harvesting machines including root harvesters and seed drills
- 1989 Electrolux buys Ransomes' entire agricultural implement business
- Ransomes continue as a major manufacturer of lawn mowers, their products including Westwood and Mountfield mowers.
- 1997 Ransomes are taken over by American company, Textron Incorporation.

THE RANSOMES COLLECTION: Business records of Ransomes, Sims and Jefferies Ltd, Ipswich

Which Ransomes records does the Museum of English Rural Life hold?

There have been several different deposits of Ransomes records, chiefly made by Ransomes Sims & Jefferies Ltd between 1969 and the 1980s. The records date from the late eighteenth century to the late twentieth century

Other Ransomes records are held at other institutions, for example the Ipswich Transport Museum (reference IPS TM2 – catalogue available on Access to Archives)

How are the Ransomes records organised?

Each separate deposit has been given a number in sequence – the first deposit is TR RAN, the second deposit TR 2RAN, TR 3RAN etc up to TR 17RAN

Within the separate deposits, TR RAN, TR 2 RAN, TR 3 RAN etc, the records are divided into sections, as follows (although not every deposit contains every type of record)

AC	Accounts	Dates
AC1	Ledgers	1884-1967
AC5	Cost accounts	1885-1936
AC6	Accounts, e.g. account book of James Ransomes' foundry business at Great Yarmouth	1805-1807
AC7	Financial statements	1837-1971
AC9	Invoices and accounting papers	1834-1859
AD	Administrative and commercial records	
AD1	Minute books and proceedings of directors' meetings	1884-1937
AD2	Note books kept on engineering, ploughing, staff	1884-1950
AD3	Labour records, including registers of workmen/boys e.g. registers of boys entering the firm's employment	1793-1969 1898-1966
AD4	Premises records, e.g. plans of the Orwell works	1846-1860
AD5	Materials records, e.g. goods despatched	1866-1955
AD7	Commercial records e.g. export books, agents, home and foreign customers	1871-1961
AD8	General correspondence	1842-1953
CO	Legal records	
CO1	Partnership and unlimited concerns including capital	1809-1883
CO2	Company and limited concerns including capital	1884-1927
CO3	External agreements	1923-1928
CO4	Property	1852
CO5	Patenting – petitions, specifications, legal advice	1785-1839
CO6	Trade marks and litigation	1877-1883

DO Engineering drawings

DO1	Drawings	1836-1951
DO2	Registers and indexes	1836-1951

ET Technical and manufacturing records

ET1	Experiments and trials e.g. steam engine experiments books	1839-1963
ET2	Technical reference to firms products (including general technical working papers)	
ET3	General technical reference e.g. reports on products and press cuttings albums	1963-1970s

MP Manufacturing and production records

MP1	Registers and lists of production	1850-1941
MP2	Manufacturing working papers and records	1874-1946
MP3	Parts, repairs and outworks records, e.g. pattern mark books and registers	1849-1956

P, PH, SH, SP Publicity materials, photographic and personal records

P1	General compilations	1800-
P2	Individual advertising and servicing publications e.g. catalogues, leaflets, guides, price lists, specifications operating instructions, service manuals parts lists	1773-1961
P3	Posters, notices and display matters	1882-1930
P4	House journals and technical bulletins	1960s
P5	News and press releases	1958-1969
P7	Records of advertising campaigns and events	1807-1969
P8	Printing proofs and artworks	1850-1969
PH	Photographic records including photograph albums of engines	c.1856-1969
SH1	Certificates	1851-1961
SH2	Prize registers and lists of awards	1841-
SH3	General records of exhibitions, shows, meetings	1839-1968
SP	Social and personal records	1842-1968
SP1	General reference records including firm histories, e.g. CJ Palmer's history of the Orwell works, divided into 11 periods, includes records, other documents were added after his death	1774-1960s
SP2	Records of events, societies and organisations	
SP3	Records of products	
SP4	Personal records, e.g. portraits of the Ransomes	

How can I find the record I want?

1) Search online

Online catalogue on Access to Archives website <http://www.a2a.org.uk>

Search under the KEYWORD Ransomes

And choose LOCATION OF ARCHIVES Museum of English Rural Life

This will bring up lots of hits, including the different deposits – but not in order!

TR 3RAN is first in the list, followed by TR 4RAN. Additionally the first deposit TR RAN has been split into sections because it is such a large catalogue TR RAN AC-MP then TR RAN P, then TR RAN PH-SP.

Select the catalogue you wish to look at in more detail e.g.

Museum of English Rural Life: Ransomes, Sims and Jefferies Ltd [TR RAN/AC - TR RAN/MP]

1768-1979

74
hit(s)

Then select 'CATALOGUE IN FULL' from the bar at the top of the page to see all the records in this section of the catalogue on A2A

A general search under 'Ransomes' will also bring up other records contained in other collections held at the Museum – e.g. Benedict Agriculture Ltd (TR BAL), R & J Reeves and Sons Ltd (TR REE) etc.

Online catalogue of the Museum of English Rural Life – OLIB

This provides an overall description of the records held and can be consulted via the Museum website at <http://www.merl.org>

Choose COLLECTIONS AND CATALOGUE
Then COLLECTIONS DATABASE
Then OPEN DATABASE
Choose KEYWORD SEARCH
Enter RANSOMES

This should then bring up the Ransomes collection; it is not as detailed as the catalogue on A2A. However it brings up all the other materials (objects, library books and journals) held – so it is well worth looking at.

NOTE: not all the records held are catalogued online.

2) In person at the Museum of English Rural Life reading room

Monday to Friday 09.00 – 17.00 – you can browse through the online catalogues, printed catalogues and indexes and then order up documents you are interested in seeing. It is very helpful if you can let the Museum know in advance that you are attending and if possible which documents you would like to look at.

In the reading room there are various catalogues and indexes to the records

A) **Printed catalogue** entitled 'Ransomes Collections: Catalogue of Trade Records'– detailed volume containing an exhaustive description of the TR RAN and TR2RAN records from the first deposits. At the rear of the catalogue there is also a list of other Ransomes items held at the Museum, including objects, journals, pamphlets and books. (This catalogue is available online at Access to Archives A2A)

B) **Printed catalogue** entitled 'Trade records – TR 3RAN – TR13RAN' (This catalogue is also available online at Access to Archives). This contains detailed catalogues for deposits three to thirteen.

C) **Index to Ransomes lawnmowers** publication and registration numbers (the original of which is TR 4RAN MP1/62). Where available includes mark or model, first date of manufacture and engine details.

D) **Photograph and drawing index cards** – 10 drawers of index cards in the reading room which can be consulted. The photographs are organised by type of machine. A full explanation to the drawing indexes and ledgers is given in the 'Ransomes Collections: Catalogue of Trade Records' under DO1 drawings (also available online at A2A)

E) **Catalogue** entitled 'Trade – drawings'

This contains a section on Ransomes drawings held. In part these are grouped by type of engine, e.g. 'Ransome 8HP portable old design', 'Ransome baling press' etc

F) **Books and journals**

The library at the Museum of English Rural Life also holds copies of books, journal articles and pamphlets about Ransomes, a sample is given here - the MERL reference is given in brackets e.g. 5342 BEA

Bell, Brian John, *Ransomes, Sims and Jefferies: agricultural engineers – a history of their products* (Ipswich, 1981) (5342 BEL)

Clare, Anthony, *Ransomes and their tractor share ploughs* (Ipswich, 2001) (4080 CLA)

Road Locomotive Society - several publications including *Steam engines and thrashing machines etc manufactured by Ransomes, Sims and Jefferies Ltd* (1981) (Pamphlet Box 5342 RAN)

Weaver, Carol and Weaver, Michael, *Ransomes, 1789-1989: 200 years of excellence* (Ipswich, 1989) (5342 WEA)

How do I find out about my Ransome engine and threshing machine?

A. Dates and classes of engine

From an engine number we can find the basic information of date, class and who ordered it. Ransomes used simple power classification, eg 6hp traction engine.

1. Original order registers for portables, traction engines, and road locomotives from c1850 to 1945 are TR RAN MP1/1-19.

These work from what are known later as sales numbers, in distinction to ...

2. Boiler numbers. This was a new series started in 1877. The registers of these are TR RAN MP1/20-32.

The two registers cross-refer, so if we only have the boiler number we can discover the sales number and vice versa. The sales number is the normal way of identifying engines, therefore, the one that owners really want.

3. There are a few additional lists compiled for various purposes. For example, there is a list of steam wagons at TR RAN MP1/42.

B. Further production details

1. Building specifications: there are none for this company.
2. Engine reports 1874-1910. TR RAN MP2/38-184. These are reports made after completion of the engine and give some additional information about its construction.

To find an engine report, start with the order register (A1 above). There is a column headed date of report. With that, go to the MERL catalogue to the collection and look for the MP2 series covering that date. There will often be two or three for you to check, as the reports are entered neither in strict date order nor by engine number. Having found the report book look through until you find the entry for your engine.

3. Turnery books, 1860-1949. TR RAN MP2/1-27. Give details of various works done in completing the order. These are copies on tracing paper, and fragile. Each of the volumes contains two of the turnery books. To find an entry, again start at the order book, A1 above.

C. Drawings

Ransomes had a number of different registers of drawings, which are explained in detail in the introduction to the drawings section of the MERL catalogue of the collection. The main registers we use for steam engine drawings are in the Ledger series.

1. Check the class of engine as in section A above.
2. Go to the drawings registers. There are two steps:
 - i. The index to the registers, TR RAN DO2/6-8 (7 and 8 we mainly use). For each type of engine this points us to the page in the register. Look up a major component, eg boiler or cylinder, to make sure you get the main entry. Eg: 6hp inside gear traction engine, boiler reference is 10310b.

- ii. The register itself. The main one we use is TR RAN DO2/3. Go to page 10310; at line b is boiler.
3. Look to the remarks column, and there may be 'superseded by'. Follow such links and you might get to a drawing closer in date to the engine you are looking for.
4. The drawings themselves. Ransomes destroyed most of their original drawings, after photographing the ones they wanted to keep. These are held on acetate negatives called barcrographs. Those that were kept are indicated with a negative number in the left margin, eg 10310b boiler drawing is N16255.

D. Photographs

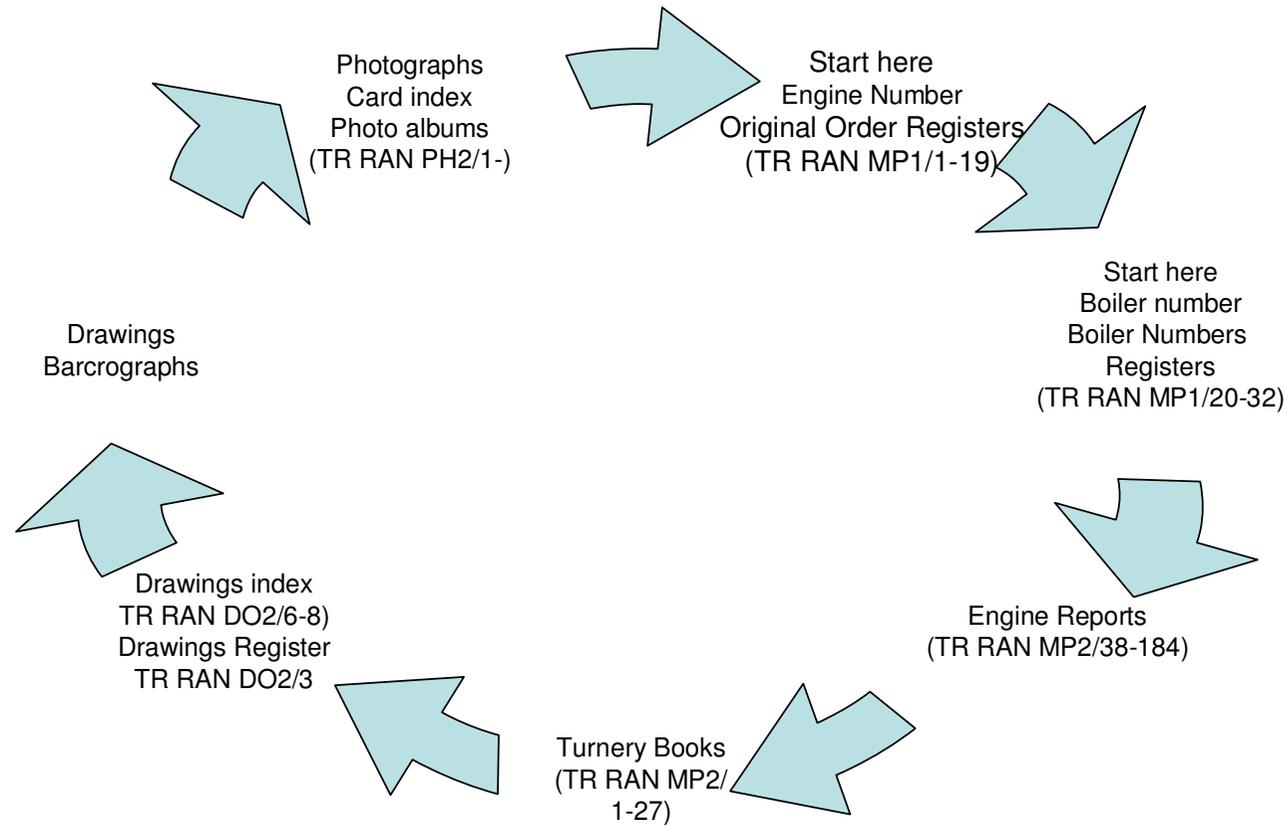
Only a small proportion of Ransomes' production was photographed: sometimes one or two photographs cover a class of a hundred or more.

1. Check class type, as section A.
2. Go to the card index, arranged by class. This will give you Ransomes' negative number (eg 1958), and a reference to the album in the TR RAN PH2 series (eg PH2/4). This example is for 8hp road locomotive no. 10609. That detail is not always given.
3. Go to the album. We have the original prints, but not the negatives. There is a checklist of prints and copy negative numbers in Caroline Benson's room.

E. Threshing machines

1. Dating. There are no surviving production registers, so we cannot find details of orders or customers. But, twentieth-century machines have a simple date-based number. If we are quoted a number – say 41072, take 10 off the first two digits (31) and the production date becomes 1930-31.
2. Drawings. There are copies of the register lists for the principal types of threshing machine produced in the twentieth century in the black drawings folder in the reading room. These are the class A (heavy) and class AM (medium). These have a note in the margin (N) to tell us whether a negative survives. To find out what the negative number is, though, we have to go to the full register, which is TR 2RAN DO2/1.

Navigating the Ransomes, Sims and Jefferies Archive







Archives containing information about individual engines

A1. Original Order registers.

Reference: TR RAN/MP1/1

ENGINE REGISTER [Series 1] - No 1.

Creation dates: c1850-1872(Jan)

Extent and Form: Bound vol

Scope and Content

Arranged in successive order of engine numbers. At this date only one series of engine numbers was employed. In two parts:

i. c 1850-1854(Dec) Engines made by RM and RS, as revised 1855(14 Aug). Gives engine number, description and purchaser. Engine nos 1-123 [1-46 are RM] pp 1-4

ii. 1854(Dec)-1872(Jan) Engines made by RS. Engine nos 124-2237. Gives engine number, date, description, and purchaser. Most entries also give order numbers in the first column. Later entries have more detailed descriptions. pp 5-126

Reference: TR RAN/MP1/2

ENGINE REGISTER [Series 1] - No 2.

Creation dates: 1871(Oct)-1880(May)

Extent and Form: Bound vol

Scope and Content

Arranged in successive order of engine numbers. Nos 2238-4299. The format per entry is order, date, order number, engine number, particulars, dispatch date and customer. After no 2757 in 1877 the register was superseded by the first engine register - sales number, continuing the former series of engine numbers from 2758 onwards. This was simultaneous to the introduction of a new complementary series of engine numbers, the boiler numbers. However entries continued to be made in this register up to 4379, although after 3640 the particulars are extremely brief. There is a numerical list of engine numbers at the front of the volume, nos. 1-575, indicating HP and customer but the page reference column is blank because these numbers are entered in the preceding register. There are various items affixed to the front and back end papers including fitting details in a accord with foreign laws (German and Prussian, Danish, Dutch) Memoranda on customers' special requirements, general orders and packing instructions.

Reference: TR RAN/MP1/3

ENGINE REGISTER [Series 2] - No 1.

Creation dates: 1870(5 May)-1872(21 Dec)

Extent and Form: Bound vol

Scope and Content

Arranged in successive order of engine numbers. Engine nos 1626-2532. The entries are a condensation of those in series 1 of the engine registers, with customer details omitted. The dates in the two series are only marginally different. Format per entry is engine number, date, type of engine and remarks. The register's function was possibly a precursor of the engine registers - boiler number series.

Reference: TR RAN/MP1/4

ENGINE REGISTER [Series 2] - No 2.

Creation dates: 1872(31 Dec)-1824(11 Jul)

Extent and Form: Bound vol

Scope and Content

Engine nos 2533-2960. As TR RAN/MP1/3.

Reference: TR RAN/MP1/5

ENGINE REGISTER [Series 2] - No 3.

Creation dates: 1874(29 May-1 Sep)

Extent and Form: Bound vol

Scope and Content

Engine nos 2961-3060. As TR RAN/MP1/3 Not all the entries are complete and some are numbers only. At the front of the volume are general notes for fittings for ordinary and export engines.

Reference: TR RAN/MP1/6

LIST of steam engines manufactured by Ransomes and May, compiled by R C Ransome

Creation dates: 1852 (Jan)

Scope and Content

Engine nos 1-46. Format is engine number, description, cost price, selling price and remarks concerning where sent and method of employment.

Reference: TR RAN/MP1/7

ENGINE REGISTER - Sales Numbers.

Creation dates: 1877(Jun)-1883(Mar)

Extent and Form: Bound vol

Scope and Content

The sales numbers commence in 1877 as a continuation of the former general series of engine numbers and were assigned in order of sale, whereas the complementary series of boiler numbers introduced at the same time were assigned in order as the manufacture of each engine was complete. Arranged in successive order of sales nos. Nos 2758-5265. Format per entry :-

- i. Sales number
- ii. Boiler number
- iii. Customer
- iv. Order date [blank throughout]
- v. Order number
- vi. Class [HP and type]
- vii. Type of fire box for straw burning engines
- viii. Date of engine report
- ix. Date of delivery order [blank throughout]
- x. Stock number
- xi. Remarks

Reference: TR RAN/MP1/8

ENGINE REGISTER - Sales Numbers.

Creation dates: 1882(Aug)-1888(Jun)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/7. Sales nos 5266-7320.

Reference: TR RAN/MP1/9

ENGINE REGISTER - Sales Numbers.

Creation dates: 1888(Jun)-1894(Jul)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/7. Sales nos 7321-9435.

Reference: TR RAN/MP1/10

ENGINE REGISTER - Sales Numbers.

Creation dates: 1894(Jul)-1898(Feb)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/7. Sales nos 9436-11545

Reference: TR RAN/MP1/11

ENGINE REGISTER - Sales Number.

Creation dates: 1898(Feb)-1901(Apr)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/7. Sales nos 11546-13660. Affixed to the back end paper is:

i. 1921(27 Jun) Drawing of details of crankshaft forging. DN 14941 BP

Reference: TR RAN/MP1/12

ENGINE REGISTER - Sales Numbers.

Creation dates: 1901(Apr)-1904(Aug)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/7. Sales nos 13661-15775.

Reference: TR RAN/MP1/13

ENGINE REGISTER - Sales Numbers.

Creation dates: 1904(July)-1907(Mar)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/7. Sales nos 15776-19150

Reference: TR RAN/MP1/14

ENGINE REGISTER - Sales Numbers.

Creation dates: 1907(Mar)-1909(Aug)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/7. Sales nos 19151-21600

Reference: TR RAN/MP1/15

ENGINE REGISTER - Sales Numbers.

Creation dates: 1909(Aug)-1911(Oct)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/7. Sales nos 21601-23855

Reference: TR RAN/MP1/16

ENGINE REGISTER - Sales Numbers.

Creation dates: 1911(Oct)-1913(Dec)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/7. Sales nos 23856-25951 no 25952-25960 have no entries.

Reference: TR RAN/MP1/17

ENGINE REGISTER - Sales Numbers.

Creation dates: 1914(Jan)-1921(Apr)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/7. Sales nos 26001-32019

Reference: TR RAN/MP1/18

ENGINE REGISTER - Sales Numbers.

Creation dates: 1921(Apr)-1928(Jan)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/7. Sales nos 32020-38303

Reference: TR RAN/MP1/19

ENGINE REGISTER - Sales Numbers.

Creation dates: 1928(Jan)-1945(Jul)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/7. In three parts.

- i. 1928(Jan) Sales nos 39000-44059
- ii. 1938(Oct)-1945(Jul) Sales nos 544060-544141 A continuation of the above series with prefix "5".
- iii. [c1930] Sales nos 84000-84030 Portable and Semi-Portable Engines built for RSJ by Robey & Co Ltd. Those where the initial "8" is replaced by "6" were built by Robey & Co Ltd for Ruston & Hornsby Ltd

A2 Boiler Number Registers

Reference: TR RAN/MP1/20

ENGINE REGISTER - Boiler Numbers.

Creation dates: 1877(Oct)-1882(Aug)

Extent and Form: Bound vol

Scope and Content

Boiler numbers commenced in 1877(Oct) and were assigned and stamped one per boiler as the engine was passed at the end of the manufacturing process, as opposed to the complementary series of sales numbers which were assigned, one per engine, in order of sale. Arranged in successive order of boiler numbers. Nos 1-1785. The format is:

- i. Boiler Number
- ii. Sales Number
- iii. Class [HP and type]
- iv. Engine details: erected by; tried by; load [mainly left blank]; lbs run down to [mainly left blank]; work pressure; passed by; date passed.
- v. Boiler details: hydraulic pressure; passed by; date passed.
- vi. Remarks

At the front of the register is a list of design alterations to engines and boilers included in the register, with details of engine type, article, alterations and boiler number

Reference: [TR RAN/MP1/21](#)

ENGINE REGISTER - Boiler Numbers.

Creation dates: 1882(Aug)-1888(Feb)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/20 including a list at front. Boiler nos 1786-3870.

Reference: [TR RAN/MP1/22](#)

ENGINE REGISTER - Boiler Numbers.

Creation dates: 1888(Feb)-1893(Jul)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/20 including list at front. Boiler nos 3871-5985.

Reference: [TR RAN/MP1/23](#)

ENGINE REGISTER - Boiler Numbers.

Creation dates: 1893(Jul)-1897(Aug)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/20 including list at front. Boiler nos 5986-8085

Reference: [TR RAN/MP1/24](#)

ENGINE REGISTER - Boiler Numbers.

Creation dates: 1897(Jun)-1901(Mar)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/20 including list at front. Boiler nos 8086-10185.

Reference: [TR RAN/MP1/24/1](#)

LIST of Cranks for 5" and 6" stroke high speed Stationary Steam Engines in relation to orders placed by Messrs Homes.

Creation dates: 1900(13 Aug)

Reference: [TR RAN/MP1/25](#)

ENGINE REGISTER - Boiler Numbers.

Creation dates: 1901(Jan)-1904(Aug)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/20 including list at front. Boiler Nos 10186-11200; A201-A999; B000-B300. By an order of 1902(21 Oct), boiler numbers old series ceased at 11200. Thereafter the "11" was replaced by letter A (A201) and the new series continued to A999, after which a B series began at B000, the B replacing the "12" of the old series. This practice was then continued with succeeding letters in the alphabet.

Reference: [TR RAN/MP1/26](#)

ENGINE REGISTER - Boiler Numbers.

Creation dates: 1904(Jul)-1907(Jul)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/20 including list at front. Boiler nos B301-999; C000-999; D000-415.

Reference: [TR RAN/MP1/27](#)

ENGINE REGISTER - Boiler Numbers.

Creation dates: 1907(May)-1909(Dec)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/20 including list at front. Boiler Nos D416-999; E000-999; F000-530.

Reference: TR RAN/MP1/28

ENGINE REGISTER - Boiler Numbers.

Creation dates: 1909(Dec)-1912(Mar)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/20 including list at front. Boiler nos F531-999; G000-999; H000-645.

Reference: TR RAN/MP1/29

ENGINE REGISTER - Boiler Numbers.

Creation dates: 1912(Feb)-1914(May)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/20 including list at front. Boiler nos H646-999; J000-999; K000-761. [Prefix "I" was not used]

Reference: TR RAN/MP1/30

ENGINE REGISTER - Boiler Numbers.

Creation dates: 1914(Mar)-1923(Apr)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/20, no list of alterations at front. Boiler nos K761-999; L000-999; M000-875.

Reference: TR RAN/MP1/31

ENGINE REGISTER - Boiler Numbers.

Creation dates: 1922(Nov)-1930(Apr)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/20 including list at front. Boiler nos M876-999; N000-999; 0000-999; P000-140. Several entries have no sales numbers.

Reference: TR RAN/MP1/32

ENGINE REGISTER - Boiler Numbers.

Creation dates: 1930(Apr)-1942(Jul)

Extent and Form: Bound vol

Scope and Content

Arranged as TR RAN/MP1/20, no list, of alterations at front. Boiler nos P141-649. Many entries have no sales numbers.

B Further Production Details

B 2 Engine Reports

TR RAN MP2/38-184 Engine reports 1874-1910

Inapproximate chronological order of report. A report was made after the manufacturing process was complete and prior to dispatch. It contains technical details of the various component parts as they were arranged for packing, sometimes indicating packing costs. There is usually one report per customer order so that more one engine may be included per report. The report is headed by order number, engine sales number, customer, date [of report], whom erected by and HP. Access to individual reports is obtained via the Engine Registers - Sales Number series where there is a corresponding report date for each sales number. Details of "whom erected by" are omitted from TR RAN MP1/47 onwards.

B 3 Turnery Books

Reference: TR RAN/MP2/1

TURNERY BOOK - Standard Details.

Creation dates: 1891(Sep)-1907(Aug)

Extent and Form: Bound vol

Scope and Content

Compiled chronologically and arrangement as Vols 6 & 7 ff of Turnery Books - Orders. The volume therefore consists of 500 Turnery shop copies of standard details sheets on tracing paper. [only 1-365 were used]. The 500 sheets correspond with the Drawing Office Press copy books [now destroyed]. The sheets are headed by engine and/or boiler type, and date, with standard details below. Drawing numbers are given and these are either the ledger series or the standard list numbers. There is an alphabetical index of machinery types at the front of the book. These include:

- i. Portable Steam Engines - 4HP 1895 Design. 8-20 HP Compounds. 5-12 HP single cylinders. 8-20 HP double cylinders.
- ii. Stationary Steam Engines - 10-36 HP long strokes. 10-36 HP 1893 design long strokes, 4-10 HP short strokes, 8-30 HP compound girder frame and undertypes 1893 design. 10-22 HP 1896 design long strokes.
- iii. Vertical Steam Engines - 5½ x 5" to 10½ x 10" high speed single cylinders, 4"-12" stroke high speed single cylinders. 4½ x 8" to 9-12" type RV (with vertical crosstube B).
- iv. Traction Engines - 8 HP inside gear reined. 6-8 HP inside gear with outside pumps.
- v. Boilers - vertical types E-R [Norton's Patent]. American types 1, 2 and 3.
- vi. Oil well boring engines - 2 - 12¼ x 16" cylinders. 2-13¼ x 18" cylinders.
- vii. Attachments - speed varying apparatus for No 2 automatic shaft governor.

Reference: TR RAN/MP2/2

TURNERY BOOK - Orders.

Creation dates: 1860-1878

Extent and Form: Bound vol

Scope and Content

Divided thus:

i. 1860-1869 Vol 1 Includes Portable and Stationary Steam Engines, Steam Ploughing Engine and Tackle (Anchor, Windlass, Clutch), Traction Engines, Boilers, Winding Machinery, Pumping Machinery, Corn Mills, Mortar Mills, Bruising Mills, Chaff Cutters, Root Pulper, Bean Cutter, Cotton Screen, Lawn Mowers, Hay Press, Railway Work (including Crossings and Steam Crabs), Street Pavement and Orwell Works Fittings and Equipment.

ii. 1860-1878 Vol 2. Includes Portable and Stationary Steam Engines, Traction Engines, Boilers, Winding Machinery, Pumping Machinery, Corn Mills, Road Steamer, Chaff Cutter, Tea Dryer, Flour Milling Machine, Boring Machine and Orwell Works Fittings and Equipment.

Entries are roughly chronological per volume with full details of work done per order. Orders are headed by the customer's name and normally order number. Each stage of the order is designated by a letter or number, with corresponding details of date and drawing numbers (ledger series) together with the description. As the two volumes are bound together, each is preceded by its individual indices which comprise per volume:

- a. Chronological index to orders.
- b. Composite alphabetical index of customers and machinery types.

Volume 1 also contains a numerical list in order of engine numbers of steam engines made by RS and RSH. Engine nos 1-660. Format per entry is engine no, HP, order no and customer. ff 460-468

Reference: TR RAN/MP2/3

TURNERY BOOK - Orders.

Creation dates: 1870-1884

Extent and Form: Bound vol

Scope and Content

Contains Vol 3. Arranged and format as Vols 1 and 2. Includes Portable, Stationary, Semi-Portable and Vertical Steam Engines, Boilers, Electric Lighting Engines, Traction Engines, Pumping Machinery, Winding Machinery, Corn Mills, and Orwell Works Fittings and Equipment. There are three indices, two are as Vols 1 and 2, the third is of machinery types for Portable, Stationary and Vertical Steam Engines, Traction Engines and Winding Machinery only.

Reference: TR RAN/MP2/4

TURNERY BOOK - Orders.

Creation dates: 1884-1890

Extent and Form: Bound vol

Scope and Content

Contains Vol 4. Arranged as Vols 1 and 2. Includes Portable, Stationary and Vertical Steam Engines, Boilers, Traction Engines, Traction Engine with Crane, Winding Machinery, Pumping Machinery, Corn Mills, Gas Engine, Electric Lighting Engines and Orwell Works Fittings and Equipment. Index of customers and items manufactured only.

Reference: TR RAN/MP2/5

TURNERY BOOK - Orders.

Creation dates: 1887-1890

Extent and Form: Bound vol

Scope and Content

Contains Vol 5. New page format. Each page is headed by title of work, customer's name, order number and date. The remainder of the page is divided between the entry of work and remarks. Compilation remains in rough chronological order. Includes Portable, Semi-Portable, Stationary and Vertical Steam Engines, Boilers, Winding Machinery, Steam Hoist, Pumping Machinery and Orwell Works Fittings and Equipment. Alphabetical index of customers and machinery types at the rear of the volume.

Reference: TR RAN/MP2/6

TURNERY BOOK - Orders.

Creation dates: 1890-1893

Extent and Form: Bound vol

Scope and Content

Containing vols 6 and 7. A completely new arrangement. As a result of an order of 1890 (20 Feb), the Turnery Books now comprised the Turnery shop copies of orders on tracing paper. The shop copies were bound in volume of 250 which commence with volume 6. The Turnery Books thereafter contained two of these volumes bound together. Thus:

Volume 6 F1-250

Volume 7 F251-500

This numeration continued to 1000 after which it recommenced at F1. The two volumes were bound together to correspond with the Drawing Office press copy books each containing 500 leaves [now destroyed] The Turnery sheets are headed by title of work, customer, order number and date with order details below. Drawing numbers are often given, either ledger series of the standard list numbers. Volumes include Portable, Stationary, Semi-Portable, Vertical and Mural Steam Engines, Boilers, Oil Well Boring Engine, Winding Machinery, Hand Force Pump, Corn Mills, Mortar Mills, Glass Grinding Mill, Pumping Machinery, Roller Mills, Traction Engines, Road Locomotives and RSJ Fittings and Equipment. Composite alphabetical index of customers and machinery types for vols 6 & 7 at the front of the book including order numbers - 2 copies. [Pages 1-15 were copied from vol 5 and did not exist as loose sheets]

Reference: TR RAN/MP2/7

TURNERY BOOK - Orders.

Creation dates: 1893-1896

Extent and Form: Bound vol

Scope and Content

Containing: Volume 8 F501-750 Volume 9 F751-1000

Arranged as vols 6 & 7. Includes Portable, Semi-Portable, Stationary and Vertical Steam Engines, Boilers, Traction Engines, Winding Machinery, Pumping Machinery, Corn Mills, Oil Well Boring Engine and RSJ Fittings and Equipment. Index at front as Vols 6 & 7.

Reference: TR RAN/MP2/8

TURNERY BOOK - Orders.

Creation dates: 1896-1898

Extent and Form: Bound vol

Scope and Content

Containing: Volume 10 F1-250 Volume 11 F251-500 Arranged as vols 6 & 7. Includes Portable, Semi-Portable, Stationary, Vertical and Mural Steam Engines, Boilers, Traction Engines, Road Locomotives, Winding Machinery, Corn Mills, Darby's Digger, Oil Well Boring Engine and RSJ Equipment and Fittings.

Index as vols 6 & 7.

Reference: TR RAN/MP2/9

TURNERY BOOK - Orders.

Creation dates: 1898-1899

Extent and Form: Bound vol

Scope and Content

Containing: Volume 12 F501-750 Volume 13 F751-1000

Arranged as vols 6 & 7. Includes Portable, Semi-Portable, Stationary and Vertical Steam Engines, Boilers, Traction Engines, Road Locomotives, Winding Machinery, Pumping Machinery, Corn Mills, Oil Well Boring Engine, Darby's Digger and RSJ Equipment and Fittings. Index as vols 6 & 7.

Reference: TR RAN/MP2/10

TURNERY BOOK - Orders.

Creation dates: 1899-1902

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 14 F1-250

Volume 15 F251-500

Arranged as vols 6 & 7. Includes Portable, Semi-Portable, Stationary and Vertical Steam Engines, Boilers, Traction Engines, Road Locomotives, Winding Machinery, Corn Mills, Darby's Digger, Military Hauling Engine and RSJ Equipment and Fittings. Index as vols 6 & 7.

Reference: TR RAN/MP2/11

TURNERY BOOK - Orders.

Creation dates: 1902-1905

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 16 F501-750

Volume 17 F751-1000

Arranged as Vols 6 & 7. Includes Portable, Semi-Portable, Stationary and Vertical Steam Engines, Boilers, Traction Engines, Road Locomotives, Road Rollers, Winding Machinery, Corn Mills, Oil Well Boring Engine and RSJ Fittings and Equipment. Index as vols 6 & 7.

Reference: TR RAN/MP2/12

TURNERY BOOK - Orders.

Creation dates: 1905-1907

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 18 F1-250

Volume 19 F251-500

Arranged as vols 6 & 7. Includes Portable, Semi-Portable, Stationary and Vertical Steam Engines, Boilers, Traction Engines, Road Locomotives, Road Rollers, Corn Mills, Winding Machinery and RSJ Fittings and Equipment. Index as vols 6 & 7.

Reference: TR RAN/MP2/13

TURNERY BOOK - Orders.

Creation dates: 1908-1910

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 20 F501-750

Volume 21 F751-1000

Arranged as vols 6 & 7. Includes Portable, Vertical and Stationary Steam Engines, Boilers, Traction Engines, Road Locomotives, Steam Tractors, Corn Mills, Paraffin Engines, Winding Machinery and RSJ Fittings and Equipment. Index as vols 6 & 7.

Reference: TR RAN/MP2/14

TURNERY BOOK - Orders.

Creation dates: 1910-1912

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 22 F1-250

Volume 23 F251-500

Arranged as vols 6 & 7. Includes Portable, Stationary and Vertical Steam Engines, Boilers, Traction Engines, Road Locomotives, Steam Tractors, Corn Mills, Traction Wagons Paraffin Engines, Gas Engine and RSJ Fittings and Equipment. Index as vols 6 & 7.

Reference: TR RAN/MP2/15

TURNERY BOOK - Orders.

Creation dates: 1912-1914

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 24 F501-750

Volume 25 F751-1000

Arranged as vols 6 & 7. Includes Portable, Semi-Portable, Stationary, and Vertical Steam Engines, Boilers, Traction Engines, Road Locomotives, Steam Tractors, Winding Machinery, Oil Well Boring Engine, Portable and Stationary Oil Engines, Oil Tractors, Steam Ploughing Engines and RSJ Fittings and Equipment. Index as vols 6 & 7.

Reference: TR RAN/MP2/16

TURNERY BOOK - Orders.

Creation dates: 1914-1919

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 26 F1-250

Volume 27 F251-500

Arranged as vols 6 & 7. Includes Portable, Stationary, Semi-Portable and Vertical Steam Engines, Boilers, Traction Engines, Winding Machinery, Steam Tractors, Traction Engine with Crane, Oil Tractor, Stationary and Portable Oil Engines, Oil Well Boring Engine, RSJ Equipment and Fittings including manufacturing machinery made to fulfil Admiralty and War Contracts. Electric Vehicles (platform trucks and tipping trucks) Index as vols 6 & 7.

Reference: TR RAN/MP2/17

TURNERY BOOK - Orders.

Creation dates: 1919-1923

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 23 F501-750

Volume 29 F751-1000

Arranged as vols 6 & 7. Includes Portable, Semi-Portable, Stationary and Vertical Steam Engines, Boilers Traction Engines, Steam Tractors, Road Rollers, Corn Mills, Steam Wagons, Stationary Oil Engines and RSJ Fittings and Equipment. Index as vols 6 & 7.

Reference: TR RAN/MP2/18

TURNERY BOOK - Orders.

Creation dates: 1923-1924

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 30 F1-250

Volume 31 F251-500

Arranged as vols 6 & 7. Includes Portable, Stationary, Semi-Portable and Vertical Steam Engines, Boilers, Traction Engines. Steam Wagons. Corn Mills and RSJ Fittings and Equipment. Index as vols 6 & 7.

Reference: TR RAN/MP2/19

TURNERY BOOK - Orders.

Creation dates: 1924-1926

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 32 F501-750

Volume 33 F751-1000

Arranged as vols 6 & 7. Includes Portable, Semi-Portable, Stationary and Vertical Steam Engines, Boilers, Steam Wagons, Electric Lighting Engines, Traction Engines, Corn Mills, Stationary Oil Engines, Steam Tractors and RSJ Equipment and Fittings. Index as vols 6 & 7.

Reference: TR RAN/MP2/20

TURNERY BOOK - Orders.

Creation dates: 1926-1927

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 34 F1-250

Volume 35 F251-500

Arranged as vols 6 & 7. Includes Portable, Semi-Portable, Stationary and Vertical Steam Engines, Boilers, Traction Engines, Steam Wagons, Corn Mills, Steam Tractors, Winding Machinery and RSJ Equipment and Fittings. Index as vols 6 & 7.

Reference: TR RAN/MP2/21

TURNERY BOOK - Orders.

Creation dates: 1927-1928

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 36 F501-750

Volume 37 F751-1000

Arranged as vols 6 & 7. Includes Portable, Stationary, Semi-Portable and Vertical Steam Engines, Boilers, Steam Tractors, Traction Engines, and RSJ Fittings and Equipment. Index as vols 6 & 7.

Reference: TR RAN/MP2/22

TURNERY BOOK - Orders.

Creation dates: 1928-1929

Extent and Form: Bound vol

Scope and Content

Containing: Volume 38 F1-250 Volume 39 F251-500

Arranged as vols 6 & 7. Includes, Portable, Semi-portable, Stationary and Vertical Steam Engines, Boilers, Steam Tractors, Oil Tractors, Corn Mills, Road Rollers, Traction Engines and RSJ Fittings and Equipment. Index as vols 6 & 7.

Reference: TR RAN/MP2/23

TURNERY BOOK - Orders.

Creation dates: 1929-1932

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 40 F501-750

Vol 41 F751-1000

Arranged as vols 6 & 7. Includes Portable, Semi-Portable, Stationary and Vertical Steam Engines, Boilers, Corn Mills, Traction Engines, Steam Wagons, Road Rollers, Steam Tractors, Air Ministry requisites and RSJ Fittings and Equipment. Index as vols 6 & 7.

Reference: TR RAN/MP2/24

TURNERY BOOK - Orders.

Creation dates: 1932-1936

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 42 F1-250

Volume 43 F251-500

Arranged as vols 6 & 7. Includes Portable, Semi-Portable, Stationary and Vertical Steam Engines, Boilers, Corn Mills, Road Rollers, Traction Engines, Grinding Mills, Grass Drier, Crop Driers, Drilling Machines, Steel Drag Scrapers, Lathes, "Momac" Grinding Mills, and RSJ Fittings and Equipment. Index as vols 6 & 7

Reference: TR RAN/MP2/25

TURNERY BOOK - Orders.

Creation dates: 1936-1941

Extent and Form: Bound vol

Scope and Content

Containing: Volume 44 F501-750 Volume 45 F751-1000

Arranged as vols 6 & 7. Includes Portable, Semi-Portable, Stationary and Vertical Steam Engines, Boilers, Traction Engines, Corn Mills, Road Rollers, Grinding Mills, Grass Driers, Crop Driers, Lathes, Drilling Machines and RSJ Fittings and Equipment. Index as vols 6 & 7

Reference: TR RAN/MP2/26

TURNERY BOOK - Orders.

Creation dates: 1941-1949

Extent and Form: Bound vol

Scope and Content

Containing:

Volume 46 F1-250

Volume 47 F251-500 [277-500 are blank]

Arranged as vols 6 & 7. Includes Portable, Semi-Portable and Vertical Steam Engines, Boilers, Corn Mills, Traction Engines and RSJ Fittings and Equipment, Grass Driers and Crop Driers. Index as vols 6 & 7.

Reference: TR RAN/MP2/27

LIST of Turnery Orders.

Creation dates: 1917 (3 Aug-28 Nov)

Extent and Form: Bound vol

Scope and Content

In chronological order. Format per entry is order number, date, customer and order details.

C. DRAWINGS

C 1 Drawings Indexes

Reference: TR RAN/DO2/6

INDEX to Ledger Drawings - Steam Engines and Corn Mills.

Creation dates: 1857-1899

Extent and Form: Bound vol

Scope and Content

In 9 sections according to machinery type. Each section is in alphabetical order of parts and components with divisions for engine HP or mill size. The references comprise ledger DN's with size/type abbreviations and dates. The sections are:

1. "Primitive" Portable Steam Engines, 5-12 NHP
2. Portable Steam Engines on Biddell and Balk's Patent Boiler, 3-12 NHP
3. "Ordinary" Portable Steam Engines [old series] 3-20 NHP
4. "Expansion" and "New Series" Portable Steam Engines, 2½-30 NHP [old design]
5. Stationary Steam Engines and Cornish Boilers, 4-30 NHP
6. "Standard" Vertical Steam Engines, "B-K" models
7. Pumping Engines, 2½-4NHP
8. "Smack" Vertical Steam Engines, "P-T" models
9. Corn Mills, 2ft-4ft 6ins models.

Reference: TR RAN/DO2/7

INDEX to Ledger Drawings - "New Design" Portable Steam Engines

Creation dates: 1883-1929

Extent and Form: Bound vol

Scope and Content

Simple and compound, 2-20 HP. Arranged as above index.

Reference: TR RAN/DO2/8

INDEX to Ledger Drawings - Traction Engines and Road Locomotives

Creation dates: 1877-1913

Extent and Form: Bound vol

Scope and Content

Simple and compound, 6-12 NHP. Arranged as above.

Drawings Registers

Reference: TR RAN/DO2/1

DRAWINGS LEDGER No 1

Creation dates: 1836-1885

Extent and Form: Bound vol

Scope and Content

Arranged in successive order of drawing numbers. Nos 0-4999. Format per entry is drawing number, size, date of office drawing, date of shop drawing, description and remarks (including details of subsequent drawings, subsidiary to the original, and designated by the same drawing number with alphabetical lower cases suffixes). The DNs were assigned according to sectional subject heads of machinery or implements, not in chronological sequence. There is an alphabetical index of these at the front of the ledger stating the DN at which each section commences.

Entries were marked in red in 1893(2 Oct) according to the following format: D = Destroyed, R = Reserved ["doubtful value"], M = Missing, PI = Preserved for interest, All folded tracings marked "R", prior to DN 4143 were destroyed 1931 (Oct).

Affixed to the front endpaper are:

- i. List of vacant DN sections.
- ii. List of DNs of general arrangements of Portable Steam Engines. Subdivided into HPs and cylinder sizes.

Reference: TR RAN/DO2/2

DRAWINGS LEDGER No 2.

Creation dates: 1834-1886

Extent and Form: Bound vol

Scope and Content

Arranged as No 1. DN 5000-9899. Entries coded in red and alphabetical sectional index as above.

Reference: TR RAN/DO2/3

DRAWINGS LEDGER No 3.

Creation dates: 1860-1945

Extent and Form: Bound vol

Scope and Content

In successive order of DNs. DN 9990-10500. Each DN has a page in the ledger headed by the machinery types. Below are entered the subsidiary DNs in alphabetical order of suffix. For each subsidiary DN there are details of size (also including type), date of office drawing, date of shop drawing, description and remarks (mainly concerning supersedence). Arrangement is by sectional subject heads and these are partly accessible through the separate series of index books to the drawing ledgers (Entries are nearly all for Engineering Department products, plus some Thrashing Machinery.) Entries are also coded in red as above. Nos entered in the extreme left hand column per page prior to the DN refer to the photographic transparency of the drawing and these do survive [negative for RSJ and positive for Ruston and Hornsby Ltd]. The present ledger is a copy of the original which was destroyed 1914(1 Jul).

Reference: TR RAN/DO2/4

DRAWINGS LEDGER No 4.

Creation dates: 1898-1951

Extent and Form: Bound vol

Scope and Content

Arranged as Vol 3. DN 10501-1100.

Reference: TR RAN/DO2/5

SUPPLEMENTARY DRAWINGS LEDGER

Creation dates: 1874-1935

Extent and Form: Bound vol

Scope and Content

Contains continuations of various entries in Ledgers 1-4. The format per entry is as Vol 3. The entries in this ledger are indicated with the appropriate page reference in Ledgers 1-4 when the entry for the DN concerned became full and subsequent entries had to be made in the supplementary ledger. Entries are coded in red as above and transparency numbers are also included where relevant.

D Photographs

TR RAN/PH2/1-27 General Series

TR RAN/PH2/28-34 "In Work" Series [Prefix R]

TR RAN/PH2/35-39 Thrashing Machinery Series

TR RAN/PH2/40-48 Compilations concerning general product range

TR RAN/PH2/49-51 Compilations concerning Lawn Mowers

TR RAN/PH2/52-53 Compilations concerning Trolley Buses