

**Tommy Hornbuckle Archive
1900-1986**

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Hornbuckle Archive

Reference Code(s): GB 0756 NRM/2002-7482

Title: Tommy Hornbuckle Archive

Dates: 1900 - 1986

Level of Description: Fonds

Extent & Medium of the unit of the unit of description: The collection consists of twenty-five boxes of papers, printed items, plans, charts, a skeleton model and printing blocks, etc., one box file, ten rolls of plans and drawings and two rolls of certificates.

Name of creators: Thomas [Tommy] Hornbuckle

Administrative/Biographical History:

These papers relate to the career and personal life of the railway engineer Tommy Hornbuckle (25 May 1880-1 February 1958).

Hornbuckle began his career serving an apprenticeship in the general engineering works of R. Hornsby and Sons, Grantham. Here he worked on the Hornsby-Akroyd oil engine.

Between 1901-1903 he studied mechanical and electrical engineering at University College, Nottingham and gained the City and Guilds qualification in engineering from the London Institute.

From 1903 to 1911 he worked in the electrical and general engineering section of the locomotive department of Midland Railway, Derby. Here he was involved in designing electric motors, designing a new power station to supply power to the locomotive and carriage and wagon workshops. He was also involved in experimenting to test the possibilities of single phase traction for mainline electrification. In connection with this he toured Switzerland, Germany and Holland to inspect electric railways in operation. During this period he was an external student of the University of London, and in 1911 was awarded a BSc in engineering.

From 1911-1927 Hornbuckle worked in the works manager's office of the locomotive department of Midland Railway, Derby. He supervised all general and electrical engineering work carried out on any part of the Midland Railway by staff attached to the locomotive works. Between 1911 and 1923 he also acted as liaison officer to the goods department. During World War One his responsibilities also covered the provision and installation of new machine tools of all descriptions and the improvement of production methods, and he was also involved in the manufacture of munitions, for which he was awarded an MBE in 1920. In 1919 he joined the Institute of Civil Engineers.

In 1923 he served on various committees for coordinating works practices and methods on the amalgamation of the railways. As part of this work he investigated and made recommendations for the more efficient operation of the railways' fleet of ships.

In 1927 he became the technical assistant to the carriage and wagons superintendent at the carriage and wagon department of the London, Midland and Scotland Railway (LMS)

at Derby. His principle duties were the research and development in connection with rolling stock and the reorganization of factories.

Between 1931 and 1939 Hornbuckle was the chief technical assistant to the chief mechanical engineer at LMS in Euston. On his recommendations experimental work was carried out on the development of Diesel traction. This involved investigations and experiments with both mechanical and electrical diesel shunting engines, including models made by Armstrong-Whitworth and the English Electric Co. The main objective of the investigation was to reduce costs by introducing one-man operation of shunting engines. At the same time he experimented with diesel passenger units, especially the three-car diesel train. During this period he was a member of the electrification sub-committee and took an active part in the detailed investigation of the effects of electrifying the LMS mainlines between Euston-Carlisle and St Pancras-Leeds. In 1932 he toured Austria with General Mance to investigate the extent to which the Austrian State Railways had been rehabilitated as the result of a loan granted by the League of Nations. In 1934 he became a member of the Institute of Mechanical Engineers. Between 1937-8 he was the president of the Diesel Engineers and Users Association.

He retired from the railway service in 1939.

During World War Two he was the inspecting officer under the chief inspector of armaments, working at ROF Birtley. He gained experience in road and rail transport that clarified his ideas regarding the necessity for improvements in rail freight vehicles.

From 1944-1948 Hornbuckle further developed his ideas on diesel traction and improved types of freight vehicle. Much of this work was carried out as consultancy for manufacturers of diesel engines, locomotives and railcars.

From 1948-1955 he carried out advisory work for the government of New South Wales, this involved touring countries around Europe, especially Belgium, Austria and Germany where he placed contracts and arranged shipment for steam, electric and diesel electric locomotives and carriages and wagons.

Hornbuckle died on 1st February 1958.

People mentioned in the Hornbuckle archive:

Lord E.J.H. Lemon.

In 1911 he worked at Midland Railway as the chief wagon inspector.

In 1917 he was works manager of the carriage and wagon department of Midland Railway.

In 1923 he was divisional carriage and wagon superintendent for the LMS.

In 1931 he was first chief mechanical engineer for the LMS, covering locomotives and carriages and wagons.

Between 1932-1943 he was the operating and commercial vice-president of the LMS. During this period he was responsible for introducing improved methods of handling traffic both on the running lines and depots.

He died in 1954. See the *Railway Gazette* July- December 1954 for an obituary.

Sir William Stanier.

Between 1932-1934 he was the chief mechanical engineer for the LMS.
In 1942 he was the scientific advisor to the ministry of production.
At the LMS he developed and improved traction power and supervised the production of engines at the works at Crewe and Derby. He also worked on improving steam locomotives and diesel shunters.
He died September 1965. For an obituary see *Railway Gazette* July - December 1965, p. 758 and p. 764.

S. H. Fisher

From 1925 he worked as the operating assistant at Crewe to the chief general superintendent of the LMS.
Between 1929-1932 he was the divisional superintendent of operations at Derby
In 1932 he was made the operating assistant to the chief general superintendent at Euston for the LMS. During this time he made a visit to Canada and America to study their railways.
In 1934 he was the assistant chief operating manager and by 1944 he was the chief operating manager.
He retired in 1950 at which time he was the deputy chief regional officer for the London Midlands region of British Railways. For more details of his career see *Railway Gazette*, July – December 1949, p. 335.

F. Lydall

Lydall was a leading authority on railway electrification. First on the manufacturing side at Siemens Brothers & co. and from 1917 with the consulting engineering firm Mertz & Mclellan of which he became a partner in 1927.
He was responsible for supervising and reporting on the main line electrifications of the Glencoe – Pietermaritzburg line in Natal and that from Bombay over the western Ghats. Just before his death he was advising British transport on the future of railway electrification in Britain. He died in February 1950. For an obituary see *Railway Gazette* July – December 1950, P. 340.

Bibliography:

E.V. Richards, *LMS Diesel Locomotives and Railcars*, (Norfolk: The Railway Correspondence and Travel Society, 1996).

Archival History:

Immediate source of acquisition or transfer:

Purchased from N. Hore, son of R.A. Hore, in 2002.

Scope & content: This collection consists of plans, drawings, blueprints, correspondence, notebooks and typed and handwritten notes. Also Reports, specifications, certificates, photographs and postcards and printed materials. It also includes printing blocks and 6 small pieces of track with two scaled skeleton models. The content of the collection relates to the life and career of Tommy Hornbuckle. There is very little material on Tommy Hornbuckle's early career up to 1927. The collection also contains some notebooks on traction belonging to F. Lydall that were deposited as part of this collection.

Appraisal, destruction and scheduling information: No appraisal of this collection has been undertaken.

Accruals: No further accruals are expected.

System of arrangement: After his retirement in 1939 Tommy Hornbuckle organized many of his notes and research into numbered folders for reference purposes and included consultancy and advisory work and research carried out after his retirement. The original content of the numbered folders has been maintained. The collection is divided into eight series reflecting Tommy Hornbuckle's career:

Works manager's office, locomotive department, Midland railway 1911-1927 including: documents relating to the supervising of general and electrical engineering works of the locomotive department, world war one and the re-organisation of the fleet of ships.

Carriage and wagon department, LMS Derby 1927-1931
This contains documents relating to the development of rolling stock of the LMS railway.

Chief mechanical engineers department, LMS Euston 1931-1939
This series contains sub series on Tommy Hornbuckle's experiments and research in diesel traction with regard to shunting engines and passenger units. It also includes sub series on Tommy Hornbuckle's visit to Austria and the electrification sub-committee.

Work for the Government of New South Wales 1948-55

Engineering Drawings and plans

Personal

This series includes photographs and postcards of Tommy Hornbuckle both personal and work related. It also includes his personal papers, certificates of qualifications, his Bsc research and correspondence and documents for his houses in Studland, Dorset and Finchley, London. There are sub series relating to papers given by Tommy Hornbuckle and the Diesel Engineers User's Association of which he was president in 1937-8.

F. Lydall's Papers

Some papers by F. Lydall concerning traction were deposited as part of the Tommy Hornbuckle collection.

Miscellaneous

Conditions governing access: Access is given in accordance with the NRM access policy. Material from this collection is available to researchers through the NRM Reading Room.

Conditions governing reproduction: Copies may be supplied of items in the collection, provided that the copying process used does not damage the item or is not detrimental to its preservation. Copies will be supplied in accordance with the NRM's terms and conditions for the supply and reproduction of copies, and the provisions of any relevant copyright legislation.

Language: English, also several items in French and German

Physical characteristics & technical requirements: The collection contains a wide variety of material, from hand –written notes and papers to printed pamphlets and plans. Some of the engineering drawing are made of tracing paper and are in a delicate condition. The printing blocks have been quarantined due to mould.

Finding aids: A list of the contents of the collection is appended to this catalogue.

Existence and location of originals: Not applicable.

Existence and location of copies: Not applicable.

Related units of description:

Material held at the National Railway Museum:

Publication note: No secondary sources have yet been published using this archive.

Archivists' Note: The draft handlist was prepared in January 2005 by Kate Tyte and Kate Hart, students on the post-graduate archives administration course at the Liverpool University Centre for Archive Studies, as part of a work placement at the National Railway Museum.

Rules or conventions: Catalogue created in accordance with ISAD(G): General International Standard Archival Description (Second Edition), International Council on Archives, Ottawa 2000.

Date of descriptions/revisions: This catalogue was compiled in 2005

Useful Publications relating to this archive: See the bibliography following the Administrative/Biographical History.

The Papers of Tommy Hornbuckle

Box 1

1/ Works manager's office, locomotive department, Midland railway 1911-1927

- 1/1 [54.] "Report on Messars Reid and Anderson's Visit to America" Hornbuckle's copy
1 vol, 1920
- 1/ 2 [106.] File by A Newlands for LMS marked "Newlands-Visit to USA and Canada"
1 file, 1930
- 1/3 Supervising general and electrical engineering work of locomotive works
- 1/3/1 [138.] "Report of the Committee on Unification of Brakes" by the
Assembly of Railway Locomotive Engineers
1 vol, 1922
- 1/3/2 [43.] Envelope containing:
Pamphlets, "The Germ Process in a Nutshell", "Midland Railway
of England. Express Passenger Locomotive and Tender" and
"Viste des members de congress international des chemins
de fer" c.1925/6
2 typed sheets, "Itinerary for Directors Tour of Inspection,
May 6th 1926" with plan of Derby locomotive works 2 docs, 1926
3 vols, 2 docs, 1925-1926
- 1/3/3 [120.] Folder marked "Report on Manufacture of Chairs at Crewe, Horwich and Derby
1926"
9 docs, 1926
- 1/3/4 [13.] Folder marked 3 containing typed and handwritten notes on workshops including:
-Contents page
-Folder labelled, "Standard Leather Belting" n.d.
-"Memorandum on the Ascertainment of Manufacturing Costs" 1927
-Letter to Tommy Hornbuckle from Resident Marine and Mechanical Engineers
Office, Heysham. 1927
-"Report on Visit to Railway Shops" 1926
-Memo, "Permanent Way Chairs-Derby" n.d.
-Papers, "London, Midland and Scottish Railway Company,
Carriage and Wagon Works, Derby. Modern Methods of
Manufacture" 1928
-"Report by Tommy Hornbuckle. Messars Chubb and Sons
works Wolverhampton" n.d.
-Photographs of W.69, W.91, A.301/2 and 500 HP with attached
letter to Tommy Hornbuckle. n.d.
1 folder, n.d., 1926 - 1928
- 1/3/5 [14.] Folder marked 4 containing typed and hand written notes including:
-Contents page
-Diagram of "Hudd System for electric Power" n.d.
-Engineering drawing, "Diagram of Engine and Track apparatus for Dual
operation with Vacuum Brake Control. Automatic Train Control (Hudd System)"
1935
-Folder, "Lighting of Trains" 1929

- Folder, "Steam Heating of Trains" 1936
 - Folder, "Patent Drivers for Wheel Lathes" 1925
 - Folder, "Crewe Reorganisation" 1925
 - Papers, "Current Consumption CME Derby Shops. Coal Consumption Derby Works" c.1927
- 1 folder, n.d., 1922-1936
- 1/3/6 [15.] Folder marked 5 containing typed and handwritten notes including:
- Contents page
 - Calculations sheets fastened together n.d.
 - Folder 'lubrication', 1918-1926
 - includes pamphlet 'lubrication and lubricants' 1921 -Typed
 - sheets, "Notes on the Reorganisation of Steam Supplies – Derby Carriage and Wagon Works NW02050" 1934
 - Typed sheets, "Proposed Resit – Running Shed Committee" n.d.
 - Typed sheets, "Will Changes in Motive Power Revolutionise the Railroads?" by G.W. Alcock 1935
 - Typed Sheets, "Disposal of Waste Wood" 1928
 - Bundle of documents, articles, tables and drawings relating to the strength of various chains and ropes c.1925
 - Typed sheets, "Materials to be Used in Various Articles for Locomotives and Tenders" 1927
 - Article from The Iron Age, "The Art of Defamation" 1935
 - Typed sheets, "Non-ferrous Alloys for Various Articles Co-ordinated for Group Requirements" 1927
- 1 folder, n.d, 1918-1935
- Box 2**
- 1/4 World War One
- 1/4/1 [128.] Paper, "Correspondence Respecting the European Crisis" 1 vol, 1914
- 1/5 Reorganizing fleet of ships
- 1/5/1 [58.] Bundle of documents relating to "LMS Shipping Enquiry" 2 vols, 8 docs, 1927
- 2/ Carriage and wagon department, LMS Derby 1927-1931**
- 2/1 Rolling Stock
- 2/1/1 [117.] LMS Railway Paper, "Report on the Visit of Mr Smith and Mr Hornbuckle to Germany" (tour of German works investigating carriages) 1 vol, 1929
- 2/1/2 [12.] Folder marked 2 containing typed and handwritten notes titled "Miscellaneous Locomotive and Carriage and Wagon Papers". 1 folder, 1925-1934
- 2/1/ 3 [23.] Folders marked 14 containing typed and handwritten notes on carriage riding including:
- Folder, typed notes "Carriage Riding – Miscellaneous Memos and Diagrams" n.d, 1928-1930
 - Folder, notes on "Experiments in Connection with Carriage Riding" n.d.

- Envelope, "Perkins Report on Mr. Lemon's CR Experiments" n.d.
- Folder containing a photograph of LMS Standard Carriage Bogies, graphs relating to the effect of Link Indication entitled "Bogie Design, April 1923", and typed papers entitled "Carriage Bogie design" n.d.
- Folder containing typed papers on "Springs", diagrams numbered 1 to 5 and memo entitled "Improvements in the Smoothness of Running of Railway Carriages" by T. Hornbuckle c.1929
3 folders, n.d, 1928-1930

- 2/1/4 [24.] Folder marked 14 containing photographs and tracings of LMS diesel engines and railcars, including LMS 7050, a Dewry diesel shunter and LMS 7070
1 folder containing 71 photographs and 17 docs. n.d.
- 2/1/5 [89] Attached typed sheets, "Instructions to be Observed in Connection with Carriage Repairs together with Details of Work Performed at the Various Stages of Operations" LMS carriage and wagon dept
1 doc, 1928

Box 3

- 2/1/6 [89] Sheet on renumbering of vehicles 1 doc, n.d.
- 2/1/7 [89.] 5 copies of pamphlet of the LMSR titled: "Loading of Passenger and Freight Trains"
5 vols, 1928-1931
- 2/1/8 [107/113] 2 copies of file marked "The Maintenance of Wagon Stock" by Tommy Hornbuckle. One copy includes loose documents (1928-1929)
2 files, 7docs, n.d. 1928-1929
- 2/1/9 [112.] File marked "Coupling Rod Failures c.1927" with loose documents
1 file, 5 docs, c.1927
- 2/1/10 [89.] LMS "Schedule" covering treatment and painting of the company's rolling stock
1 vol, 1935

3/ Chief mechanical engineers department, LMS Euston 1931-1939

- 3/1 [16.] Folder marked 6 containing typed and handwritten notes on road and rail transport including:
-Contents page
-Pamphlet, "Road and Rail Transport", A. Newlands, with attached correspondence 1932
-Bundle of documents relating to roads and road wear n.d.
-2 x Pamphlet, "Road Versus Rail Transport" 1931-33
1 folder, n.d, 1931-1933
- 3/2 [20.] Folder marked 10 + 11 containing typed and handwritten notes on brakes including:
-Contents Sheet
-Typed sheets of notes and memoranda
-Vacuum controlled regulator systems n.d.
Great Indian Peninsular Railway Tests on Train Resistance n.d.
Abstract of Memorandum of Remote Control of Steam Trains 1936
-LMS Joint Memorandum on Reversible Steam Trains 1933
-Engineering Drawing for LMS Railway, "General Arrangement of Telemotor" 1936

- Bound bundle containing
 - Contents sheet
 - Graph for tests conducted in Oct 1935, "Stopping Distances with Varying Trains on Level Making Full Emergency Application of the Brake" 1935
 - Diagram of Stopping Distances, "Distance between Home and Distance Signals" attached to memorandum, "Vacuum Brake Trials" n.d
 - Untitled graph. n.d.
 - 3 graphs, "AVB Tests", "Electrically Operated Acceleration Valves" and "Engine Standard Compound" n.d.
 - Graph, "Stopping Distances with Varying Trains on Level Making Full Emergency Stop of the Brake" n.d.
 - Diagram, "Diagram 2. Comparison of Locomotive Stock 1923-1933"
 - Typed sheets, "History of Samuel Waite Johnson" n.d.
 - 1 folder, n.d., 1923-1936
- 3/3 [41.] Envelope containing:
 map, "LMS England and Wales Engineers Districts" 1 doc, 1927
 "Diagram 2. Comparison of Locomotive Stock 2 1doc, 1933
 2 docs, 1927-1933
- 3/4 [118.] Folder marked "Notes on Report by Messrs Fisher and Purves on Weight and Speeds of Freight Trains" containing attached typed notes
 1 doc, 1931
- Box 4**
- 3/5 [70.] File, "Copies of Reports and memoranda from Dec 31st 1930 to April 26th 1932. No.s 1 to 50. Book No. 1" 1 file, 1930-1932
- 3/6 [86.] File "Copies of Reports and Memoranda from Dec 31st 1930 to April 26th 1932 Nos 15-100. Book No. 1 Cntd" 1 file, 1930-1932
- 3/7 [85.] File, "Copies of Reports and Memoranda from April 26th 1932 to 21st Aug 1933 No. 101-200 Book No.2" 1 file, 1932-1933
- 3/8 [84.] File, "Copies of Reports and Memoranda from 1st Sept 1933 to 20th June 1936. Nos 201-350. Book No. 3" 1 file, 1933-1936
- Box 5**
- 3/9 [87.] Bundle of files containing:
 -"Memorandum of Meeting Held at Euston 8th Dec 1930" 1930
 -"Minutes of Officers 3rd Annual conference 1931" 1931
 -"Chief Mechanical Engineers department Annual Conference and Dinner Wed 31st Jan 1934. Subjects for Discussion." 1934
 -"Chief Mechanical Engineers department Annual Conference 30th Jan 1935. Items for Discussion" 1935
 -"Chief Mechanical Engineers Department Annual Conference Feb 13th 1936. Items for Discussion" 1936
 -"Chief Mechanical Engineers, Electrical Engineers Department Annual Conference Feb 16th 1938. Items for discussion" 1938
 4 files, 2 docs 1930-1938
- 3/10 [83.] Bundle of reports of the Union International des Chemins de fer (English, French and German) 8 vols, 9 docs, 1933-1936

Box 6

- 3/ 11 [59.] File marked "LMS Specifications by E.J.H. Lemon" 1 vol, 1935
- 3/ 12 [127.] File marked "LMS Repair Limits and Scrapping Sizes Locomotives and tenders"
1 vol, 1936
- 3/13 [119.] Folder marked "The Development of heavy Oil Engine"
5 docs, 1937-1938
- 3/14 [44.] ****Envelope containing bundle of letters and typed notes regarding
heavy oil engines***
- 3/15 [53.] Tommy Hornbuckle's note book, "Notes on Heavy Oil Units"
1 vol, 2 docs n.d.
- 3/16 Diesel traction
- 3/16/1 [99.] Memo, "250 HP Diesel Electric Shunting Locomotives" and "Light passenger
units" 1 doc, 1932
- 3/16/2 [111.] Booklet, "American Visit of LMS Officers May 1933. Notes made on Certain
Operating Practices and Problems by S.H. Fisher"
1 vol, 1933
- 3/16/3 [74.] Booklet, "Canadian National Railways. Instructions for the Operation of Electrical
Equipment" 1 vol, 1934
- 3/16/4 [67.] Booklet with added notes, "Vulcan Frichs Diesel Traction"
1 vol, 4 docs, n.d.
- 3/16/5 [125.] Folder marked "Diesel Traction Containing Correspondence about Diesel Work
and Information on Diesel Traction"
1 vol, 10 docs, 1936-1947
- 3/16/6 [137.] Folder marked "Report on diesels for Paxmans" and the development of diesel
rail traction 2 files, n.d.
- 3/16/7 Shunting Engines
- 3/16/7/1 [22.] Folder marked 13 containing typed and handwritten notes on diesel traction
including:
-Folder, "Memos on Shunting Locomotives (LMS)" 1935 - 1937
-Graphs and engineering drawings relating to oil electric
shunters in German n.d.
-loose papers containing magazine articles and papers relating
to shunting engines n.d.
-Folder, "Diesel Traction Developments on LMS" 1947-1952
includes typed notes marked confidential 4x "Development of diesel traction on
the LMS 1931 -1939"
- Outline of developments which have taken place on the LMS in connection
with diesel traction n.d.
1 folder, n.d., 1935-1952

- 3/16/7/2 [25.] Folder marked 15-1 containing typed and handwritten notes on shunting locomotives including:
- Folder, "Report on Heavy Oil Shunting Locomotives Feb 1937"
 - Folder, "Report on Diesel Electric Shunting Locomotives 6th Jan 1938 and 7th April 1938"
 - Folder, "Report on 150/250 Experimental Diesel Shunting Locomotive and 75 HP Diesel Shunting Locomotive 14th Jan 1938 and 1st April 1938"
 - Folder, "Report on Heavy Oil shunting Locomotives May 1936"
 - Folder, "Report of Heavy Oil Shunting locomotives Jan 1936"
 - Folder, "Report on Heavy Oil Shunting Locomotives April 1935"
- 1 folder, n.d., 1935-1938

Box 7

- 3/16/7/3 [26.] Folder marked 15-2 containing typed and handwritten notes on diesel shunting including:
- Contents page
 - "Report on Light Units for Passenger Traffic and Freight Shunting" 1932
 - Papers, "Heavy Oil Shunting Locomotives" 1935
 - Memorandum to W.A. Stanier, "Analysis of Shunting Duties" 1937
 - Tables on "Cost of Working Rail Cars"
 - Memorandum to W.A. Stanier, "Diesel Shunting Units" 1934
 - Memorandum "Application of Diesel Engines to railway work" 1932
 - Memorandum to S.S. Symes, "Investigation of Light Shunting Units" 1932
 - Papers, "LMS (NCC) Harlandic Locomotive Order No. 9825" 1937
 - Letter, "Steam and Diesel Locomotives" 1937
 - "Report on the Diesel shunting Locomotives of the LMS" 1938
 - "Joint memorandum. Michelin Pneumatic Tyred Rail Car" 1933
 - Bundle containing:
 - "Report on Light Units for Passenger traffic and Freight Shunting" 1932
 - Folder, "Reports on Diesel – Electric Shunting Locomotives 6th Jan 1938, 7th April 1938, 6th May 1938 and Revised Availability and Cost Figures to June 1938" 1938
 - "Report on Heavy Oil Shunting Locomotives Feb 1937" 1937
 - "Shunting Locomotives, Steam Lubrication"
 - "Report on Leyland Light Railcars 7th September 1937" 1937
- 1 folder, n.d., 1932-1938
- 3/16/7/4 [124] Envelope marked "Diesel Traction Containing Diagrams on Gears, LMS Locomotive Stock, Electric Motors and Notes on Detachable Wagon Bodies," contains blueprints and notes 32 docs, n.d.
- 3/16/7/5 [132] Envelope containing papers on Shunting handwritten notes and tables 6 docs, n.d.
- 3/16/7/6 [94.] Calculations sheet, "Oil Electric Locomotives" 1 doc, 1931
- 3/16/7/7 [97.] Typed sheet, "Specification for 150-200 HP Heavy Oil Shunting Locomotive" 1 doc, 1932

- 3/16/7/8 [98.] Typed sheet, "Report of Inspection of diesel Shunting Locomotives"
1 doc, 1932
- 3/16/7/9 [95.] Diagram, "Preliminary Arrangement of 400 HP Oil Hydraulic Locomotive for Ingersoll-rand"
1 doc, 1932
- 3/16/7/10 [93.] Form entitled "Locomotive Power Costs-Working Details"
1 doc, 1932
- 3/16/7/11 [96.] Diagram, "Shunting Locomotives"
1 doc, 1933
- 3/16/7/12 [60.] Bundle containing booklet from the English Electric Company:
-Booklets, "300/350 HP Diesel-Electric Shunting Locomotive Operation and Maintenance Instructions Part 1", "Description of Control System and Maintenance Instructions Part 2" and "LMS Railway Company. General Description of Engine and Maintenance Instructions Part 3"
-7 blueprints relating to traction control gear. (n.d. 1933?)
3 vols, 7 docs, 1933
- 3/16/7/13 [69.] Folder, "Diesel Electric Traction" by English Electric Company Ltd
1 vol, 1933
- 3/16/7/14 [80.] Journal, "The English Electric Journal"
1 vol, 1935
- 3/16/7/15 [82.] English Electric Co. booklet containing photographs and typed notes, "300 HP Diesel Electric Locomotives Report on Condition of 6K tyre Diesel Engine"
1 vol, 1935
- 3/16/7/16 English Electric Co. booklet titled "Comparison between Diesel Electric and Steam shunting locomotives"
1 vol, n.d.
- 3/16/7/17 [81.] English Electric Co Ltd magazine 'Diesel-Electric Shunting Locomotives', with added typed notes
1 vol, 1 doc, n.d.
- 3/16/7/18 Tommy Hornbuckle's copy of "Instructions for the Care and Maintenance of Diesel Railway Vehicles built by Sir W. G. Armstrong Whitworth, LMS Vehicle Nos 7059 –7068, 0-6-0 Shunting Locomotives", Booklets A, B and C.
3 vols, n.d.

Box 8

- 3/16/7/19 [76.] Booklet, "The Selection of a Diesel Shunting Locomotive," Armstrong and Whitworth
1 vol, n.d.
- 3/16/7/20 [101] Letter and paper, "Sentinel Shunting Locomotive" to T.Hornbuckle
1 doc, 1935
- 3/16/7/21 [64.] Booklet, "Sentinel Enclosed Engine Unit for General Steam locomotives"
1 doc, 1936
- 3/16/7/22 [126] Report No. 65 (Jan 1936) and 67 (Nov 1937), "Dynamometer Car Tests"
2 vols, 1936-1937
- 3/16/7/23 [110] Bundle containing:
-"Dynomometer Car Tests Euston and Glasgow High Speed Tests"

Class 7 P 4-6-2 Engine No. 6201 Princess Elizabeth Nov 1936"
 -"Speed Curves-High Speed Trials Nov 1936" 1936
 -Magazine, "Railway Gazette," includes article by Tommy
 Hornbuckle "The application of diesel engines to rail traction" 1936
 2 vols, 1 file, 1936

3/16/7/24 File "The Diesel Geared Locomotive", 1 vol, 1 doc, n.d.

3/16/7/25 [68.] Booklet, "Harland B & W Oil Engine Traction" 1 vol, c.1930

3/16/7/26 [65.] "Armstrong Whitworth Diesel Shunting locomotives for the LMS Railway and
 Bombay, Barodo and Central India Railway"
 1 vol, 1936

3/16/7/27 [102] File, copy article "New Haven Diesel Electric Switches by P.H. Hatch. New
 York, New Haven and Hartford RR Co and F H Craton.
 General Electric Co." 1 file, 1936

3/16/7/ 28 Pamphlet entitled "Mayback. A New Form of Diesel Traction" with
 letter to T. Hornbuckle enclosed 1 vol, n.d

3/16/8 Passenger Units

3/16/8/1 [122] File marked "Mr T. Hornbuckle's Report on his Visit to Switzerland 2nd to 6th Sept
 1935" 1 file, 1935

3/16/8/2 88. Bundle of loose papers, books, articles and booklets relating to the Swiss
 Locomotive and Machine Works (Sulzer and Brown, Boveri and Co booklets)
 6 vols, 1 doc, n.d 1923-1930

3/16/8/3 [92.] Blueprint, "Royal State railway of Siam Diesel Electric Locomotives
 Sulzer 450 HP" and attached typed sheet, "Diesel Electric Locomotives on the
 Royal State Railways of Siam," 2 docs, n.d.

3/16/8/4 [27] Folder marked 16 containing typed and handwritten notes including:
 -Contents page titled "articles on diesel trains".
 -Paper, "Three Car Diesel Unit. Alteration to Beraing Springs" 1939
 -Diagram, "Diagrammatic Piping Arrangement – LMS 3 Coach
 Diesel Unit" 1937
 Diagram, "Proposed Two Car Articulated Set with Fixed Seats"1935
 Diagram, "Proposed Two Car Articulated Set with Fixed Seats"1936
 -Diagram, "Proposed Cross-Section for Two and Three Cars
 Articulated Sets" 1936
 -Paper, "London, Midland and Scottish railway Company. Tender
 Form and Specification for One Three Car Articulated Train with
 Power Equipment and/or One Two Car Articulated Train with Power Equipment"
 n.d
 -Paper, "Estimated Running Costs Included in the Report from the
 Chief Engineer of the Great Northern Railway (Ireland) to the
 Board of Directors" 1935
 -Paper, "A Diesel Train with Multiple Axle Drives London,
 Midland and Scottish Railway" n.d.
 Letter "Mylis Mechanical Transmission for diesel Rail Coaches"
 1935
 -Handwritten notes, "Light Units" n.d.

-Graph, "Automotrice Diesel électrique 230/270 CV" n.d.
 -Paper, "Armstrong –Shell Express' Euston to Castle Bromwich and Back" 1933
 -Handwritten notes, "Light Passenger Units" n.d.
 -Memo, "Employment of Light Units" 1936
 -Memo, "Leyland Rail Cars Nos. 29950,29951 and 29952" n.d.
 -Table, "Number of Passengers Conveyed in Relation to the Seating Capacity of Trains" n.d.
 1 folder, n.d.1933-1939

3/16/8/5 29. Folder marked 18 containing typed and handwritten notes including:
 -Contents Page
 -Folder, "Light Units. Papers and Reports in Conjunction with Chief General Superintendents Department" 1932-1933
 -"Notes on Light Units" 1932
 -Various letters and memos relating to Light Passenger Units and Diesel Electric Shunting Locomotives. c.1932
 Pamphlet "Armstrong Whitworth Diesel traction Process," CJ Hyde Trutch 1932
 1 folder, n.d., 1932-1933

3/16/8/6 31. Folder marked 20 containing typed and handwritten notes including:
 -Paper, "Diesel Train Traction" n.d.
 -Untitled piece of writing n.d.
 -Paper, "Provision of Light Passenger Rail Units" 1933
 -Paper with diagram attached, "the Fitting of Power Equipment to Two and Three Coach Sets of Existing Standard Stock. 1935
 -Diagram of 360HP Locomotive Used on Baltimore and Ohio Railroad"
 -Letter, "Personal Expenses" n.d.
 1 folder, n.d., 1933-1935

Box 9

3/16/8/7 [49.] Bundle containing documents relating to diesel engines and transmissions for three car train sets including:
 - Letters to Hornbuckle mostly from Armstrong Whitworth, Drewry and English Electric company n.d.
 -File, "The Drewry Car co. Ltd. Estate and Specification" n.d.
 -Letter and pamphlet on two and three-car diesel trains n.d.
 -blueprints relating to diesel electric equipment, three car unit. n.d.
 -Letter and file, "Quotation for Diesel Engines and Transmissions for Three Car Train Set LMS" n.d.
 -File containing letter and graphs relating to "Diesel Engines and Transmissions for Three Car Train Sets" n.d.
 -File containing letters and chart labelled "Diesel Engines and Transmissions for Three Car Train Sets" n.d.
 -Letters and Graphs labelled "Diesel Engines and Transmissions for Three Car Train Sets" n.d.
 -Pictures of an engine n.d.
 -Copy of a drawing, "Installation Arrangement of 6 BxD Engine with Laurence Scott Size F139 Generator" n.d.
 -File, "Quotation for Diesel Engines and Transmissions for 3 Car Train Set LMS" n.d.
 -File, "Information on Armstrong Whitworth Diesel Vehicles" (1935-1936)
 8 files, 9 docs, n.d., 1935-1936

- 3/16/8/8 [66.] File: "Type 2-6-2 Passenger and Goods Diesel Locomotives" 1 file, 1935
- 3/16/8/9 [55.] Bundle of papers, articles and photographs relating to gears for diesel rail traction and diesel railcar transmission systems (German, English) 11 photographs, 10 vols, 20 docs, n.d, 1935 –1936

Box 10

- 3/16/8/10 [114] Bundle containing:
 -Envelope entitled "Three Car Diesel Trains" containing journals including a paper by Tommy Hornbuckle "A diesel train with multiple axle drives", photographs of three car diesel trains and typed notes concerning three car diesel trains for LMS. 6 vols, 8 docs, 17 photographs, c.1938-1939
- 3/16/8/11 [28.] Folder marked 17, titled "Trials on Associated Equipment Co. Ltd [AEC], Southall, Middlesex Rail Cars" 1 folder, 1936
- 3/16/8/12 [56.] File by the English Electric Co. and AEC containing typed notes and pamphlet titled "General Information on Trolley Buses" 1 file, 1 vols, n.d, 1933-1935
- 3/16/8/13 [50.] Bundle containing international magazines, reports, information articles and papers relating to Rail Cars and a folder entitled ""Streamlined Express Train Union Pacific Railroad in SKF Roller Bearing Axle Boxes" containing blueprints and tables Includes T. Hornbuckle typed report on A E C Railcars, 1935. (French, English, German) 3 files, 13 docs, 18 vols, 1926-1938
- 3/17 Investigation into the state of Austrian railways 1932

Box 11

- 3/17/1 Bundle of booklets relating to Austrian Railways (German) 1928-1934
 Chamber of Commerce Report on Road and Rail Transport 1933
 2 x folders containing notes and research by T. Hornbuckle on Austrian Railways with references to General Mance (German, English) 1933
 9 vols, 2 folders, 1928-1934
- 3/18 Electrification sub-committee
- 3/18/1 [17.] Folder marked 7 containing typed and handwritten notes including:
 4 x "Report of Sub-Committee on Ascertainment of the Extent to which Developments in Steam traction have Affected Conclusions of Weir Committee (Report dated 24th March 1931)" 1934
 One with correspondence enclosed to Tommy Hornbuckle from D. C. Urin.
 - Correspondence with electrification committee including:
 Memorandum "London, Midland and Scottish Railway Electrification Committee Correspondence" 1934
 -re Wier Report Memorandum, "Draft Copy of a Reply to E.J.H. Lemon in Memorandum" 1935
 1 folder, 1934-1935

Box 12

- 3/18/2 [18.] Folder marked 8 containing typed and handwritten notes concerning Austrian railways including:
 -Contents page
 -Repairs and renewals includes extract from the minutes of the traffic committee 1932
 Pamphlet, "Effect of Changes in Stock"
 -Pamphlet, "Particulars regard to renewal provision in London, Midland and Scottish Railway. Information Supplies for Austrian Railway Investigation" 1925-1932
 -2 x "Report in Regard of Carriage Stock" and correspondence 1931-1934
 -Pamphlet, "Railway Operating Costs and Statistics" 1935
 -3 x Paper read at the Derby Engineering Club by Tommy Hornbuckle, "The Dynamics of Railway Operation" 1933
 -"Report on Breaking Loose of Trains" 1934
 -2 x Memorandum tables and diagrams, "Railway Electrification" with enclosures 1933
 1 folder, n.d, 1925-1935
- 3/18/3 [19.] Folder marked 9 containing typed and handwritten notes including:
 -Contents list
 -Document "Chief Mechanical Engineer Office, Euston 9th May 1933"
 -Typed sheet, "Peak Forest to Northwich and Winnington" n.d.
 Graph attached, "Comparison of Line Grading Built wagon of Varying Capacity". 1932
 -Typed sheet, "Replica of the Rocket Locomotive 1829" 1935
 -Typed sheet, "Tyre Welding Machine" 1935
 -Document, "Analysis of Locomotive costs" n.d.
 -Document "Train Resistance" n.d.
 -Blueprint "Horse-power-Speed curves-Royal Scot Engine" 1931
 -Document, "Results of Engine Tests" n.d.
 -Bundle of graphs relating to Royal Scot Locomotive n.d.
 -Graph on tracing paper, "Total Number of Hot Axleboxes on Wagon Stock London, Midland and Scottish railway 1930 and 1933" c.1930
 -Blueprint, "Speed Curve for Royal Scot, Euston Carlisle" n.d.
 -Graph, "Traction Motor" n.d.
 -Graph, "Steam Consumption" n.d.
 -Pamphlet, "The Flying Scotsman of 1888 and 1938. 50 years of Speed" n.d.
 -Extract entitled "Electric Time" 1931
 1 folder, n.d., 1930-1935
- 3/18/4 [115.] Paper from the Institute of Electrical Engineering, "The Future of Main Line Electrification on British Railways," by Liet. Col. HE O'Brien 1 vol, 1924
- 3/18/5 [116.] Paper from the Ministry of Transport, "Report of the Committee on Main Line Railway Electrification" 1 vol, 1931
- 3/18/ 6 108. File marked "Dalziel's Paper on Railway Electrification" 1 file, 1931
- 3/18/7 [78.] Bundle of articles, magazines, blueprints and typed notes relating

- to rail cars 1 folder, 1932-1939
- 3/18/ 8 Report for LMS "Electrical energy used in workshops" 1 doc, post 1933
- Box 13**
- 3/18/9 [30.] Folder marked 19 titled "Train Control" containing diagrams, letters and papers on train control and signaling systems and electrification.
1 folder, c.1934
- 4/ Work for the Government of New South Wales 1948-55**
- 4/1 [21.] Folder marked 12 containing typed and handwritten including:
 -Contents Sheet,
 -Pamphlet: "Commonwealth Railways of Australia" by Birmingham Railway Carriage and Wagon Co. Ltd. 1936
 -Plan, "Proposed Cross-Section for 2 and 3 Cal Articulated Cab" 1936
 -Typed notes on "Light Units"(1932), "Rail Car Development"(1935), and pamphlet "Electric Remote Control for Diesel Engines" (1938).
 -2x Report on "Leyland Light Rail Cars" 1937
 -Blueprint, "Foundation Plan 8L3 Oil Engine" 1935
 -Pamphlet "The Oil Engine and the Railways" by C. J. Hyde Trutch 1930
 -Pamphlet, "The International Union. Fiftieth Anniversary, Brussels 1935
 Rail Motor Coaches and Economical Traffic Operation" 1935
 -Pamphlet, "Les Autorails Doctrine Generale de leur Emploi et de leur Constitution por Victor Nicolet" (one French copy and English translation) 1936
 -Calculation on graph paper. Untitled. n.d.
 -Calculation, "Leyland Diesel Rail cars Track Circuit Failures" n.d.
 -2 enlarged photographs of Diesel engines n.d.
 -Pamphlet, "Diesel Electric Locomotives for New South Wales" 1953
 1 folder, n.d., 1930-1953
- 5/ Engineering Drawings and plans**
- 6/ Personal**
- 6/ 1 [35.] Envelope containing the following:
 Newspaper cuttings and letters relating to railways, by Mrs Hornbuckle
 -Letters from the Royal Commission of Doctors and Dentists Renumeration relating to Tommy Hornbuckle
 -Letters between Tommy Hornbuckle and suppliers including Sir Harry Ricardo
 -Tommy Hornbuckle's C.V.,
 -Correspondence from Mrs M. Hornbukle to the Central Transport Consultative Commitee and British Transport Commission offering them the late Mr. T. Hornbuckle's research.
 -Letter to Auntie Pat (Mrs M. Hornbuckle) from Richard in Newcastle
 -Annual report for Ruston and Hornsby Ltd.
 -Letters relating to the death of Tommy Hornbuckle.
 41 docs., n.d., 1958

- 6/ 2 [36.] Envelope containing 2 sheaves of attached miscellaneous personal and work related papers, and newspaper cuttings
21 docs. 1934-1959
- Box 21**
- 6/3 [39.] Paper bag containing 2 half tone photograph printing blocks and 6 printing blocks of graphs and other illustrations. (removed and quarantined due to mould)
8 printing blocks, n.d.
- Box 13**
- 6/4 [45.] Folder marked "Studland" containing a bundle of correspondence between Mrs M. Hornbuckle and F.A. Walton builders, Swanage, relating to the purchase of 2 plots of land and re-erection, decoration and maintenance of a bungalow known as 'The Spot', Glebe Estate, Studland, Dorset. Receipts for furniture and household items, letters about the installation of electricity in 1946, and papers concerning the purchase of a beach hut from Mrs J. Churchill.
1 folder 1932-1947
- 6/5 [71.] Envelope containing sales particulars for the auction of a house, "No. 9, St Mary's Avenue, Church End, Finchley, London" and attached sheets of correspondence and receipts relating to the buying and renovation of the property including tax assessments, builders, insurance, decorators and a completion statement.
1 vol, 1 doc, 1931-1932
- 6/6 [72.] "National Registration Identity Card" for Tommy Hornbuckle
1 doc, c.1940
- 6/7 [73.] Tommy Hornbuckle's British passport with letter confirming his "Mission to Europe" from New South Wales Government Offices issued 1949, expired 1954
1 vol and 1 doc, 1949-1954
- 6/8 [77.] Folder containing a variety photographs, includes:
-Group photo of men and women, marked "Oxford" on back [possibly from lecture conference for Work's Directors, Managers, Foremen and Forewomen, Balliol College 1921, or University College 1932] n.d.
-Photo of King and Queen's visit to a munitions factory in County Durham, 20 June 1941
1941
-Postcard of the inside of a dynamometer car [possibly featuring T. Hornbuckle] n.d.
-Invitation to the dinner for Sir Henry Fowler, the President of the Institute of Mechanical Engineers 1927-1928
1928
-5 photos of T Hornbuckle
1950
-1 photo of T Hornbuckle returned by the DEUA n.d.
-2 photos of teenagers [possibly relatives of T Hornbuckle] n.d.
-3 photos of model trains n.d.
-6 photos of a group visit, including T Hornbuckle to the Thornton Research Center, Chester n.d.
-Envelope containing 3 photos, 1 landscape, 2 featuring T Hornbuckle with a group outside 'Hotel Ken' [possibly taken in Austria/Germany/Switzerland] n.d.
-2 photos of a family group, Edwardian n.d.
-1 photo of a shooting party n.d.
-1 photo of a group of young men, early 1900's n.d.

1 folder containing 28 photographs, n.d., c.1900-1950

6/9 Postcard from Ada 1 doc, 1922

Box 14

- 6/10 "Register of Members" for the Institute of Locomotive Engineers
1 vol, 1951
- 6/11 2 pamphlets of lecture Conferences of the Work's Directors, Managers,
Foremen and Women at Balliol college, Oxford 1921 and University college,
Oxford 1932 2 vols, 1921 -1932
- 6/ 12 [33.] Postcard album containing postcards of places T. Hornbuckle has visited and
postcards from relatives from countries including Austria, Germany, Italy, France
and places around Britain and some personal photographs
1 vol, n.d.

(Certificates, rolled)

Box 22

- 6/13 MBE certificate awarded to Tommy Hornbuckle 1 doc, 1st Jan 1920
- 6/14 Certificates from University College, Nottingham:
Exam certificate of Tommy Hornbuckle 1 doc, 1902/03
Third year certificate in electrical engineering 1 doc, 1902/03
Exam certificate in City of Guilds and London Institute for Mechanical
engineering of Tommy Hornbuckle 1 doc, 1903
Certificate of Associateship of Tommy Hornbuckle
1 doc, 1900-1903
- 6/15 Certificates from University of London:
Matriculation certificate of Tommy Hornbuckle 1 doc, 29th Sep 1908
Intermediate exam certificate for Engineering of Tommy Hornbuckle
1 doc, 20th Oct 1909
Degree certificate Bsc of Tommy Hornbuckle for engineering
1 doc, 18th Oct 1911
- 6/16 The Institution of Civil Engineers:
Membership certificate of Tommy Hornbuckle 1 doc, 28th Feb 1919
- 6/17 [104.] Bundle containing files of research notes made by Tommy Hornbuckle for Bsc in
engineering:
-I "Theory of Machines and Machine Design"
-II "Strength and Elasticity of Materials"
-III "Electrical Technology"
-IV "Theory of Heat Engines"
-V "Design of Electrical Machines and Apparatus"
-VI "Generation Transmission and Distribution of Electric Energy"
5 files, c.1911
- Box 15
- 6/18 [105.] Envelope containing a variety of leaflets about hotels and
winter sports in Austria.

- 15 docs, 2 vols, n.d, 1930s
- 6/19 109. Folder marked, "Sketches and Lists Found," includes papers related to 1918-36 membership of Institute of Civil Engineers and patents
1 folder, 1918-1936
- 6/20 134. Folder marked "Spare Copy of Mr Hornbuckle's Report on Messars Chubbs Works" 1 file, n.d.
- 6/21 Papers Given
- 6/21/1 46. Folder marked "Papers Read on Various Subjects" containing a contents page, a collection of lectures and talks given by Tommy Hornbuckle (Steam, motion and connected problems, 3x electric ignition for internal combustion engines, water and the loco boiler, Barkestone in the good old times, 1st and 3rd lecture workshop organisation, electric lights, electricity, electric traction x 2, the training of an engineer, importance of engineering in social development x 2, metallurgy, the effects of the storm march 1916 on the Midland Railway telegraphs) on a variety of subjects and a blueprint entitled "Ernstes Wattsche Dampfmaschine M=1".
1 folder 1910-1927
- 6/21/2 Envelopes containing notes and correspondence with A. K. Bruce on the Ackroyd Stuart Heavy Oil Engine lecture that T. Hornbuckle gave
31 docs, 1937-1939
- 5 pages relating to advance copies of talks n.d.

Box 16

- 6/22 Diesel Engineers and Users Association [DEUA]
- 6/22/1 37. Pamphlet, "Visit of the Diesel Engine Users Association to the Laboratories of the British Internal Combustion Engine Research Association" 1 vol, 1949
- 6/22/2 79. 19 Diesel Engine Users Association reports, 1935-1949, including: 4 copies of "The application of Diesel engines to rail traction" by Tommy Hornbuckle 1936
19 vols, 1935-1949
- 6/22/3 61. 2 copies of booklet from the Diesel Engine Users Association titled: "Herbert Akroyd Stuart and the Development of the Heavy Oil Engine" by T. Hornbuckle and A.K. Bruce 1940. 2 vols, 1940
- 6/22/4 133. DEUA "Report on Heavy Oil Engine Working Costs and Performance" 1 doc, 1955
- 6/22/5 135. 2 copies of DEUA Reports by Mr Hornbuckle for Diesel Engine Users Association titled: 'Further reflections on the Applications of diesel engines to rail transport by T. Hornbuckle (1948)
2 vols, 1948
- 6/22/6 136. Magazine, "Diesel Engineers and Users Association" Fuel injection equipment for diesel engines by G. R. Green 1 vol, 1958
- 6/22/7 An envelope containing a copy of a lecture by Tommy

- Hornbuckle to D.E.U.A. University of Nottingham 1949
 "The Hornsby-Akroyd Engine and Later Developments
 in Heavy Oil engine"
- 6/22/8 An envelope containing newspaper and magazine extracts
 from the 1950s regarding diesel engines 1 vol. 14 docs. 1950s.
- 6/23 Patents
- 6/23/1 32. Folder marked 22 "Patent Specification" containing correspondence and papers
 between Tommy Hornbuckle to Abel & Imray (patent agents) relating to the
 patents of:
 "Patent Application no. 19185/24, patent no. 242707, Improved type of driver for
 transmitting the driving force from the face plate of a wheel lathe to railway
 wheels when being turned"
 "Patent Application no. 28205/33, patent no. 427392, Improvements in or
 Relating to Electrically Driven Rail and Other Vehicles"
 "Patent Application no. 7224/38, patent no. 512718: Change-Speed Gear"
 1 folder, n.d., 1925-1939
- 6/23/2 123. Envelope containing correspondence between T. Hornbuckle
 and Hydraulic Coupling Patents Ltd, and plans, related to patent no. 427392
 23 docs, n.d., 1938-1946
- 7/
 (in green box file) F. Lydall's Papers
- 7/1 Handwritten notebook of F. Lydall, "Abstract of report on the electrification of the
 G. I. P. main line" 1 vol, 1917
- 7/2 British Railways, Electrification Committee, letters written by F. Lydall, 2nd copy
 1 vol, 1948 – 1950
- 7/3 Handwritten A5 notebook of F. Lydall 1 vol, n.d.
- 7/4 Handwritten notebook of F. Lydall "Electric Tramway and Railway notes", with
 typed notes added 1 vol, n.d.
- 7/5 Handwritten notebook of F. Lydall "Notes on paper of H. T. O. C. Electrification"
 1 vol n.d.
- 7/6 Handwritten notebook of F. Lydall "Private Notes, book II" 1 vol,n.d.
- 7/7 Handwritten notebook of F. Lydall " Private Notes, book I" 1 vol,n.d.
- 7/8 Handwritten sheet of notes of F. Lydall 1 doc, n.d.
- 7/9 Handwritten A4 notebook of F. Lydall 1 vol, n.d.
- 7/10 Blueprints of Longitudinal section and outline of M. V. 155 Railway Motor,
 A.695765 and A 695766, E. F. C. B. Electrification
 2 docs, 1936

8/ Miscellaneous

Box 17

63. Bundle of notes on British Railways 1 doc, n.d.
47. Bundle of loose papers including a letter, an article entitled "The play Indicator" and untitled typed sheets. 10 docs. n.d.
- Envelope containing a photograph of engines belonging to R Hornsby and Sons, 4 photographs, n.d
- Handwritten tables of statistics of various LMS engines? 1 doc. n.d.
90. Folder containing typed sheets on "The Wheeled-Container system" 1 folder, n.d.
100. Untitled table 1 doc, n.d.
103. Binder entitled "Miscellaneous Papers" 1 folder, 1930s
42. Envelope containing:
-2 copies of "Useful Constants and Mathematical Tables" 1915
-Graphs, "Strength of Chairs" and "Initial Brake Block Friction" n.d.
-Diagram, "Standard structure Gauge" 1906
-Folder, "Battery Performance Curves" n.d.
-6 blueprints of tables and graphs 13 docs., n.d.
- Photographs of engines 9E17 and 6E17 1 file, n.d
- Hand-written tables of bearings 1 doc, n.d
- Graph showing the efficiency of the diesel locomotive 1 doc. n.d.
- Pamphlet, "Some Facts and Figures Concerning State Purchase of British Railways and Railway Trade Union Demands" 1 vol, 1911
52. Book, "Economics of Rail Transport in great Britain" Vol. 1: History and Development by C.E.R. Sherrington 1 vol. 1928
131. Ministry of transport Paper, "Requirements for Passenger Lines and Recommendations for Goods Lines of the Ministry of Transport in regard to Railway Construction and operation" 1928
130. Report No 115 (1929) and 116 (1929), "Ministry of Transport Railway Statistics-Great Britain" 1 vol, 1929
- Annual Report, "Department of Railways, Government of Japan" 1 vol, n.d. 1933
121. Folder marked "The Lagny Disaster Eastern Railway France" 1 file, 1934

Box 18

129. Ministry of Transport paper, "Railway Accident Reports. Three Months ending 30th Sept 1933" 1 vol, 1934
- "Traction Nouvelle" (in French) 1 vol, 1936
- File 'Diesel-Lokomotiven', (German and English) 1 file, 1936
- Compagnie des Chemins de Fer de Paris & a Lyon a la Mediterranee 'Locomotive Diesel-electrique de 4400 ch.' (French) 1 vol. n.d.
57. Book, "The Newcomen Society for the Study of the History of Engineering and Technology. Transactions Vol. XVII 1936-1937" Tommy Hornbuckle's copy 1 vol, 1936-1937
- 2 booklets from "The Institution of Automobile Engineers" entitled "High Speed two stroke compression ignition Engine" 1944 and "White Metal and Bronze Bearings from the Manufacturer's Point of View" 1936 and "High Speed oil engine" 2 vols, n.d, 1936-1944
- The Institution of Automobile engineers 'high-speed two-stroke compression ignition engines' by W Wisner 1 vol. 1944
- Booklet, "British railways in Wartime (WWII)" 1 vol, n.d.
89. -Advanced copy of a speech "Internal Combustion Locomotives" 1 vol. n.d.
- The Institution of Mechanical Engineers
Recent Developments in Automobile Transmissions by Ewen M'Ewen
1 doc, 1948
- The first Gas Turbine Locomotive by Adolf Meyer 1 doc, 1942
- Papers of Greenock Philosophical Society, "Diesel Engine Development on the Clyde" 1 vol, 1939
- "A Historical Survey of diesel and Semi-Diesel Practice" 1 vol, n.d.
- "Notes on blast Furnace Practice at Elswick" 1 vol, 1947
91. Publication, "Economy in Haulage" 1 vol, n.d.
89. -List of papers read before the Institution of Mechanical engineers and published addresses (1911 – 1946) 1 vol. 1911-1946
- 2 copies of 'The future of the railway oil engine' by Brian Reed, 2 vol. 1942
- The Eastern Union Railway 1846-1862, by HF Hilton. 1 vol. 1946
- 'Sentinel enclosed engine units for geared steam locomotives' 1 vol. 1938

62. 2 copies of magazine, "Diesel railway Traction" 2 vols, 1958

Letter to the editor of the Observer from R.A. H., Gosforth, Newcastle re Dr Beechings report on railways 3 docs, 28 Mar 1963

48. Envelope containing copies of magazines:
-2 copies of "Control" magazine with articles by Dr R. A. Hore April, March 1962
- "Oil Engine and Gas Turbine" Nov 1963
-3 copies of "The Paget locomotive" Nov 1945
- "The Engineer" contains an obituary for T. Hornbuckle March 1958
7 vols. 1945-1963

Newspaper article on the Spitfire 1 doc, 1986

Box 19

Briefcase containing booklets, drawings and papers
Locomotive Engineers Pocket Book 1936-7, with T. Hornbuckle inscribed on the front
Notebook containing calculations n.d.
LMS rule book, reprinted 1939 with insert of alterations and additions
1933
Railroad Pocket Book, by Fred H. Colvin 1906
Postcards of St Bruno 1921
8 postcards of St Hughes Charterhouse, Cowfold n.d.
Card guide to Midland Railway engine stock 1915
3 Cards with photograph and descriptions of LMS engines n.d.
metal thing
various rough drawings and calculations on graph and tracing paper
LMS blank headed paper and DEUA
Receipt to T. Hornbuckle from New South Wales
Carbon paper
Various magazine cuttings
Rolled tracing paper of drawings (delicate)
Various drawings on graph paper rolled.
1 briefcase, n.d.

Box 20

38. 6 small parts of a track and 2 scaled skeleton models.