

1. PERFORMANCE AND EFFICIENCY TEST REPORTS

- 1/1 REPORT May 1951  
Performance and efficiency test with exhaust steam injector, Western Region - Hall class, 2 cyl., 4-6-0 mixed traffic locomotive Bulletin no 1  
British Railways, Mechanical & Electrical Engineer's Department
- 1/2 REPORT Aug 1951  
Performance and efficiency test with exhaust steam injector, Eastern & North Eastern Regions - B1 class, 2 cyl., 4-6-0 mixed traffic locomotive Bulletin no 2  
British Railways, Mechanical & Electrical Engineer's Department
- 1/3 REPORT Oct 1951  
Performance and efficiency test with live steam injector, London Midland Region - class 4, 2 cyl., 2-6-0 mixed traffic locomotive Bulletin no 3  
British Railways, Mechanical & Electrical Engineer's Department
- 1/4 REPORT Jan 1952  
Performance and efficiency test with live steam injector, British Railways Standard - class 4, 2 cyl., 4-6-0 mixed traffic locomotive Bulletin no 4, British Railways, Mechanical & Electrical Engineer's Department, published by The Railway Executive
- 1/5 REPORT Apr 1953  
Performance and efficiency test with exhaust steam injector, British Railways Standard - class 7, 2 cyl., 4-6-2 mixed traffic locomotive Bulletin no 5, British Railways, Mechanical & Electrical Engineer's Department,
- 1/6 REPORT May 1953  
Performance and efficiency test with exhaust steam injector, British Railways Standard - class 7, 2 cyl., 4-6-0 mixed traffic locomotive Bulletin no 6, British Railways, published by The British Transport Commission
- 1/7 REPORT Aug 1953  
Performance and efficiency test with live steam injector, W.D. 2-10-0 and 2-8-0 freight locomotives Bulletin no 7, British Railways, Mechanical & Electrical Engineer's Department, published by The British Transport Commission
- 1/8 REPORT Mar 1953  
Performance and efficiency test with exhaust steam injector, Eastern & North Eastern Regions - V2 class, 3 cyl., 2-6-2 mixed traffic locomotive Bulletin no 8, British Railways, published by The British Transport Commission
- 1/9 REPORT Nov 1952  
Performance and efficiency tests, Southern Region 1 Co-Co 1, 1750 H.P. main line Diesel Electric locomotive Bulletin no 9, British Railways, Mechanical & Electrical Engineer's Department, published by The Railway Executive

1/10 REPORT Jan 1954  
Performance and efficiency tests of Southern Region "Merchant Navy" class, 3 cyl., 4-6-2 mixed traffic locomotive Bulletin no 10, British Transport Commission, British Railways, published by The British Transport Commission

1/11 REPORT Apr 1959  
Performance and efficiency tests English Electric Type 1 1000 H.P. Bo-Bo Diesel-electric locomotive no D8000, Bulletin no 11, British Transport Commission, British Railways, published by The British Transport Commission

1/12 REPORT Jul 1959  
Performance and efficiency tests Exhaust steam injector British Railways Standard class 9F 2 cyl, 2-10-0 freight locomotive Bulletin no 13, British Transport Commission, British Railways, published by The British Transport Commission

1/13 REPORT 1957  
Performance and efficiency tests British Railways Standard class 8 3 cyl 4-6-2 express passenger steam locomotive no 71000, Bulletin no 15, British Transport Commission, British Railways, published by The British Transport Commission

1/14 REPORT [n.d.]  
Performance and efficiency tests 1 Co-Co 1 2000 HP main line Diesel-electric locomotive no 10203, Bulletin no 16, British Transport Commission, British Railways, published by The British Transport Commission

1/15 REPORT Sep 1956  
Performance and efficiency tests English Electric "Deltic" 3300 HP Co-Co Diesel-electric locomotive, Bulletin no 19, British Transport Commission, British Railways, published by The British Transport Commission

## 2. MISC. REPORTS AND NOTES

2/1 REPORT Apr 1956  
on the maintenance of Diesel-Electric Shunting Locomotives in Derby Locomotive Works

2/2 REPORT Dec 1947  
"Special features on class 5, 4-6-0 mixed traffic engines fitted with British-Caprotti valve gear and Timken roller bearings numbers 4738-4767, 1947-8 programme" issued by London Midland & Scottish Railway Co., Chief Mechanical Engineers Dept, Nelson Street, Derby.

2/3 REPORT Feb 1949  
"Special features on class 4, 2-6-0 freight engines, nos. 43000-43-19, 43020-43039", issued by British Railways, The Railway Executive, London Midland Regions, Chief Mechanical Engineers Dept, Nelson Street, Derby.

- 2/4 REPORT 1947  
 "Special Features on Class 2-6-0 freight engines and class 2, 2-6-2 passenger tank engines, 1947", issued by London Midland & Scottish Railway Co, Chief Mechanical Engineers Dept, Derby.
- 2/5 REPORT 7 Sep 1950  
 Preliminary report of Dynamometer car trials with Southern Region Locomotives
- 2/6 FILE 5 Mar 1963  
 "Repairs to engine no IH1035 from Diesel Electric shunting Locomotive no 15215
- 2/7 FILE [n.d.]  
 "Working instructions for the operation of the AEG pulverised fuel apparatus fitted to the 'U' class 2-6-0 locomotive on the Southern Railway, engine no 1629" with drawings and photographs.
- 2/8 THESIS [1970s]  
 "A critical survey on developments in railway motive power in the twentieth century" by JG Click, Garnett College

### 3. TRIANGULATED VEHICLE FRAMES

- 3/1 BUNDLE 1955  
 of Patent Agreements for improvements relating to railway wagon or carriage underframes - triangulated vehicle frames designed by O V S Bulleid, with photographs and diagrams, and with patent protections for India, Switzerland, South Africa, Italy, U.S.A., Belgium, Czechoslovakia, France.
- 3/2 FILE [20c]  
 Notes on various aspects of diesel and electric locomotives, including definitions, component parts, working instructions etc, produced for Diesel-electric Traction course, British Railways Staff Training College, Derby for instructional purposes.
- 3/3 REPORT 1982  
 on tests on South African Railways 26 class locomotive no 3450, issued from Chief Mechanical Engineer's Office, P.O. Box 1006, Pretoria 0001

### 4. FIREBOXES

- 4/1 DRAFT COPY [n.d.]

of Burrow's and Wallace's pages on steel fireboxes with photographs attached to text.

4/2 FILE 1947  
of material relating to collapse of firebox of 1947 'C' class locomotive at Hither Green, including brief resume, and transcript, of enquiry, with photographs

## 5. WATER FEED TREATMENT

5/1 FILE [c.1950]  
Notes on Water Feed Treatment including "A.P. Hatz - die lokomivspeisewasseraufbereitung", causes of scale and corrosion etc. [German, English]

5/2 FILE [c.1950]  
Notes on Water Feed Treatment including "Le Traitement Interne Integral 'Armand' pour les eaux d'alimentation des Chaudières" by L'Auxiliare des Chemins de Fer et de L'Industrie, and treatment of boiler corrosion. [French, English]

5/3 REPORT Nov 1971  
on water treatment practices on locomotive and industrial boilers in Argentina

## 6. TURF BURNING LOCOMOTIVE, CORAS IOMPAIR EIREANN

6/1 PLANS 12 May 1958  
Disposition of vehicles and tour routes for visit of Institute of Locomotive Engineers to Inchicore, 15 May 1958.

6/2 BOOKLET [? 1950s]  
"Oil-burning locomotives, general instructions" issued by Coras Iompair Eireann.

6/3 REPORT Nov 1957  
on the early trials with the prototype turf burning locomotive, Coras Iompair Eireann

6/4 FILE [1950s]  
Miscellaneous items re. experimental turf burning locomotive.

6/5 LIST 1958  
of engineering drawings of the turf burning locomotive

6/6 ENGINEERING DRAWINGS  
of the turf burning locomotive . Refer to photocopy of 6/5 for availability of numbered drawings.

Following items are in addition to 6/2 original list

Additional sequence of drawings of turf-burning locomotive.

TB 102/1

Balance regulator valve details & arrangement

TB 137/1

Brackets for brake cylinders 1956

TB 145/3

Arrangement of turbine and draught fans 1956

TB 156/1

Cylinder cock details, 1956

TB 168

Smokebox lagging 1956

TB 173

Arrangement of outside chaincase 1956

TB 193

Steam pipe support 1956

TB 198

Oil bath for cylinder driving bracket assembly 1956

TB 198/2

Oil bath for cylinder driving bracket assembly 1956

TB 209/3

Chain case intermediate shaft to trailing axle unit 1957

TB 210

Oil bath details intermediate shaft – axle 1956

TB 221/1

Oilbath for chaincase 1957

TB 224

Distributor jet casting 1957

TB 227

Arrangement of ashpan and grate, 1957

TB 244/2

Manifold steam jet control cocks, 1957

TB 249

Modification to brake cylinders 1957

TB 252

Twin drive for mechanical lubricators and lifeguard, details on bogie, 1957

TB 256

Position and details of tank seating fluid measure of water tank, 1957

TB 261

Check & test valve for mechanical lubrication, 1957

TB 264

Arrangement of brake piping on bogie, 1957

TB 272

Bracket for brake combination control valve DV1.1.1/3, 1957

TB 296

Brackets for check & test valves, 1957

TB 297

Layout of oil pipes from mechanical lubricators on bogies, 1957

TB 313

Brackets for pressure gauges, 1957

TB 314

Arrangement of steam flexibles for cylinder cocks and details, 1957

TB 328

Arrangement of regulator and reverser controls, 1957

TB 334

Pages for turf burning loco instruction book, feed water piping, 1957, [5 items]

TB 360

Spiral gear & Pinion, 1957

TB 361

Jet plate, 1957.

TB 380

Twin heater layout, 1958

TB 382

Alterations to piston valve actuating arm (inside) and valve chest cover, 1958

JB 50/4

Crankshaft, 12" x 14" stroke double acting steam engine.

JB 51/1

Motions drive shaft: crankcase, double acting steam engine 12" bore 14" stroke, 1955.-

JB 53/5

Intermediate drive shaft, double acting steam engine 12" bore 14" stroke

JB 56/5

Details of motion pins, 12" x 14" stroke double acting steam engine.

JB 57

12" bore, 14" stroke, 7" dia. valve, 5' 0" conn rod

Valve readings,

JB 58/1

Gudgeon pin: crosshead ,12" x 14" stroke double acting steam engine.

JS 440/2

Back cover (crankcase), 12" bore x 14" stroke D.A. steam engine, 1955

JS 458

Stuffing box details , 12" bore x 14" stroke D.A. steam engine, 1955

JS 458/1

Stuffing box details , 12" bore x 14" stroke D.A. steam engine, 1955

JS 459

Arrangement of turf-burning loco

JS 402

Valve Motion, [n.d.]

JS 464/2

Sprocket bore details for intermediate and crankshafts, 1956

WN 2204

Proposed turf burning loco

WN 31009

Proposed peat burning locomotive

18292

Classification of engines, broad gauge, 1955

26343  
Standard Locomotive Coupling, diesel locomotives, 1959

29631  
Experimental Turf burning locomotive

30001  
Loading gauge, diesel locomotive

30303  
Swing link reversing gear

30304/2  
Pins reversing gear

30305  
Bushes reversing gear

30288  
Diagram of turf burning boiler. [n.d.]

31172  
Frame arrangement, 1956

31244  
Boiler, firebox section

31249  
Boiler barrel section

31813  
Brake cylinders, BRO types

?587  
Cover for oil pump

BM8  
Lower control valve for oil pump

BM9  
Release valve for oil pump

BM10  
Driving and driven spindles for oil pump

BM11  
Gear Wheel for oil pump

BM 12

Set screws for oil pump

BM 13

Cap for control valves for oil pump

BM 15

Upper control valve for oil pump

BM 16

Release valve spring for oil pump

?BN 6

Body of Pump [Very Faint]

WB 118/5

Piston valve 12" bore, 14" stroke double acting steam engine

WB 124/2

Valve gear driving bracket on cyl. 1957

WB 126/1

Reversing link block 12" bore 14" stroke double acting steam engine 1955

C 193

Brake head 400 H.P. shunter.

Proposed prototype turf burning loco, 1954

2 cylinder inside frame inside-chain coupled 6 wheeled bogie, Irish gauge.

Water drain valve, 1957

CCI test sheets, [n.d.]

Graph, vacuum – ins of water.

1/1/1/379

Laidlaw & Drew, oil control gear for 'C' type burners, 1954

1/1/1/378

Laidlaw & Drew, arrangement of 2 ½" 'C' type burner and quick release mechanism

Misc untitled locomotive layouts,

551/101

The Energy Equipment Co Ltd – fluid bed shell boiler, 1977

Roll 9 Outsize

Turf burning loco

bogie layout,, drive layout, shaft drive bogie, engine unit [12 items]

7. EASTLEIGH WORKS

7. BUNDLE

1962-1963

of material relating to the workings of Eastleigh Locomotive Works,

8. RUGBY LOCOMOTIVE TESTING STATION

8/1 REPORT

Sep 1959

Comparative tests on B.R. Std class 9, 2-10-0 locomotive fitted with Giesl Oblong Ejector, British Railways Locomotive Testing Station, Rugby.

8/2 BOOKLET

[post 1948]

"Rugby Locomotive Testing Station" detailing the works with photographs. Enclosed part of earlier booklet with further notes on working and test diagram results.

8/3 BUNDLE

[1950s]

Plans, notes and test results of Berkeley Mechanical stoker, Crosti boiler, Fischer Automatic coupling, English Electric Company gas turbine loco

8/4 NOTEBOOK

[1950s]

of test results with loose pages of notes and diagrams.

8/5 DRAWING

[n.d.]

Double chimney draught arrangement, Fig No 2, R.T.S. 691, L

8/6 DIAGRAMS

[n.d.]

Wheel-rim Horsepower - Speed, E.E. Co's E.M. 27L. Gas Turbine Locomotive, G 1122

Wheel-rim Pull - Speed, E.E. Co's E.M. 27L. Gas Turbine Locomotive, G 1123

Fuel - W.R.H.P. - Speed, E.E. Co's E.M. 27L. Gas Turbine Locomotive, G 1127

Specific Consumption, E.E. Co's E.M. 27L. Gas Turbine Locomotive, G 1129

8/7 DRAWING

9 Jul 1958

Proposed arrangement of Berkley stoker arranged on Two-wheeled trolley for testing at Rugby, Drg No. R.T.S. 641

8/8 DRAWING 10 Feb 1959  
 Fire shapes obtained with Loco No 92166, B.R. Class 9, 2-10-0 fitted with Berkley Mechanical Stoker, Drg No. R.T.S. 681

8/9 DRAWING [n.d.]  
 Giesl Oblong Ejector Draught arrangement, Drg No. R.T.S. 681

## 9. ARGENTINA

9/1 CORRESPONDENCE FILE 1977  
 re. organising a month's visit to Mr L. Dante Porta, Buenos Aires, Argentina and possibility of working with him on building new locomotives for the 2'6" Rio Turbio Railway, with papers on aspects of Argentinean steam locomotives.

9/2 CORRESPONDENCE FILE 1977 - 1982  
 arising from the visit to Mr L. Dante Porta, Buenos Aires, Argentina in 1977, including material on fuel types for steam locomotives etc. and a report on the XIV Congreso Panamericano de Ferrocarriles at Lima, Peru, November 1978.

9/3 REPORT Dec 1977  
 on the transportation of coal by the Rio Turbo Railway Y.C.F., Argentina by JG Click

9/4 BUNDLE OF NOTES 1976-1978  
 by Livio Dante Porta, Buenos Aires  
 The Steam Cycle  
 The impact of the energy crisis in transportation: the Argentine case  
 Notes on the design of Garratt locomotives  
 Some notes on the design ofallet locomotives  
 A system for coupling both Mallet engine units and its extension to other articulated locomotives  
 Some preliminary figures on the gear-pump coupling of the two engines of the proposed mallets for the Rio Turbio Railway.  
 Some notes on large steam pipe connections occurring in separable locomotive design  
 The 'Worm' grate and ash disposal system  
 A feed water heating system suitable for SGS and TG steam locomotives  
 Notes on the maximum allowable working pressure of steam locomotive boilers with special reverence to existing riveted boilers  
 Notes on "The combustion of coal in fluidised beds" by GG Thurlow  
 Note on a new approach to steam locomotive boiler water treatment  
 Steam locomotive boiler water circulation - a first semi-quantitative approach  
 Steam locomotives: running with closed regulator  
 Steam engine cylinder tribology  
 The cardinal points of modern and future steam locomotive design in the context of the energy

crisis

- 9/5 PAPER [n.d.]  
on the philosophy of modern steam locomotive design
- 9/6 BUNDLE 1970s-1980  
of material relating to work on Rio Turbio Railway, including radial axle locomotives, fuel types, drawings and copy of UN Report.
- 9/7 NOTEBOOK 1977  
of material from visit to Rio Turbio Railway, Argentina by J G Click.
- 9/8 PATENT APPLICATION 1981  
for an improved coal-fired, steam-driven locomotive, by L.D.Porta, D.A.Berkowitz, W.L.Withuhn, and C.C.Hamilton, USA.
- 9/9 REPORT Jul 1983  
A list of some 500 possible improvements to existing steam locomotive power" by L D Porta, vice President, Research & development, American Coal Enterprises Inc. [2 parts]

## 10. CORRESPONDENCE FILES

- 10/1 CORRESPONDENCE FILE 1979-1984  
with various people including Dr Giesl, Vienna, The Bulleid Society, The Bulleid Pacific Preservation Society, Stephenson Loco society , Loco Club of Great Britain, Merchant Navy Loco Preservation Society
- 10/2 CORRESPONDENCE FILE 1982-1984  
and notes and drawings etc. with Dr Giesl, Mr Porta, Mr Carling and others and including negotiations about employment in USA.
- 10/3 CORRESPONDENCE FILE 1951-1970  
between Mr O V Bulleid, 2 Fairfield Close, Exmouth, Devon and Malta, and Mr R Curl, 33 Fair Oak Road, Bishopstoke, Eastleigh, Hampshire
- 10/4 CORRESPONDENCE FILE 1958-1968  
between Mr O V Bulleid, 2 Fairfield Close, Exmouth, Devon and others including Tom Taber, New Jersey, Mr Curl, Mr Click, Mr Cantlie and others with notes, newspaper cuttings and photographs.
- 10/5 CORRESPONDENCE FILE 1962  
between Mr O V Bulleid, 2 Fairfield Close, Exmouth, Devon and Mr Curl, Mr Click, Mr Cantlie and others.

- 10/6 CORRESPONDENCE FILE 1965-1968  
between Mr O V Bulleid, 2 Fairfield Close, Exmouth, Devon and Mr George Harrison, 7 Council House, Boscombe Village, Salisbury, Wilts.
- 10/7 CORRESPONDENCE FILE 1966-1967  
between Mr O V Bulleid, 2 Fairfield Close, Exmouth, Devon and Mr George Harrison, 7 Council House, Boscombe Village, Salisbury, Wilts.
- 10/8 CORRESPONDENCE FILE 1967-1969  
between Mr O V Bulleid, 2 Fairfield Close, Exmouth, Devon and Malta, and the Bulleid Pacific Preservation Society and others.
- 10/9 CORRESPONDENCE FILE 1975  
between Mr Anthony Bulleid and Mr R Curl, 33 Fair Oak Road, Bishopstoke, Eastleigh, Hampshire about a biography of O V Bulleid
- 10/10 CORRESPONDENCE FILE 1952-1954  
between personnel of Swiss and French Railways concerning reservations and publishing of articles, British Transport Commission and others.

## 11. ENGINEERING DRAWINGS

- 11/1 LIST [1980s]  
Waterloo Drawing Register [photocopied]
- 11/2 LIST 1987  
of engineering drawings at Croydon

### Engineering Drawings -Southern Railway

- E 18897  
Arrangement of pipes, etc steam heat conservation system, in glass, 1930
- E 20122  
General arrangement 2-6-0 three cylinder engine, class U<sup>1</sup>, 12 Feb 1934
- E 20947  
Smokebox arrangement, N. (A.563.), U., 4 Jun 1931.
- E/A 23140  
General arrangement 4-4-0 three cylinder engine, class V, 4 May 1933

E 30299

Bogie Frame Plate, 21 Apr 1939

E30301

Bogie Stretcher and details, 25 Apr 1939

E30535

Engine brake details, 15 Jun 1939

E30543

Engine brake details, 26 Jun 1939

E 30559

Inside cylinder 18" x 24", outside admission, 21 Feb 1940

E 30588

Engine brake details, 24 Jun 1939

E30592

Dragbox, 11 Jul 1939

E 30602

Block hanger bracket, 27 Jun 1939

E 30626

Engine bogie wheel centre, 5 Jul 1939

E30642

Boiler arrangement, 4-6-2 engine, 15 Jul 1939

E30671

Outside boiler support, 7 Aug 1939

E 31446

Bracket for brake block hanger, 4-6-2 engine, 23 Apr 1940

E 30696

Outline of main frame plate, 4-6-2 engine, Jan 1940

E 32024/15

Eastleigh locomotive and carriage works, [n.d.]

E 32130

Motion arrangement, 20 Jan 1940, [2 copies]

E 32131

Motion arrangement, end views, 29 Nov 1940,

E 32149

Arrangement cylinder cock, (Bowdenex control), 10 Jun 1941

E 34909

Assembly of "B.F.B." fabricated wheel centre with tyre, 18 May 1944

E 36207

General arrangement of bogie with arrangement of brake rigging inspection saloon, 17 Jul 1945.

E 39412

Alterations to existing radial bearing bogie inspection saloon, 10 Jul 1947

L 8656

Cross section of body inspection saloon, [c.1946]

L 8685

Arrangement of pipework, hot and cold water installation, inspection saloon, [c.?1940s]

L 8[?]

General arrangement, passenger engines and tenders, Class N 15, (S W Section) Type 4-6-0 constructed by the North British locomotive Co Ltd, [n.d.]

L 9029

General arrangement, inspection saloon, [c.?1940s]

W 167

Composite loading gauge - Southern Railway, 29 Sep 1925

W 5728

Frame arrangement, 4 Aug 1944

W 6099

Fabricated coupled wheel centre for 6' 2" dia. wheel, leading, driving and trailing, 13 Nov 1944

W 6601

Arrangement of oil reservoir and pipes for mechanical lubricators, 18 Jun 1946

W 6675

Alteration to reversing gear handle details, 20 Aug 1946

W 6781

Bulleid valve gear, [n.d.]

W 6851

Driving axlebox, 13 Nov 1945

W 7643

Crank axle, 21 Aug 1947

W 7878

Axlebox guide at driving wheels, 4 Jun 1948

W 7990

Arrangement of driving wheels and crank axle, 29, Oct 1947

W 8090

Main frame, left hand side, 12 Dec 1947

W 8607

Oilbath at valve crankshaft, 3 Feb 1948

W 8620

Battle of Britain "West Country" class engine throwovers on 6 & 10 chain curves, 3 Mar 1948

W 8470

Arrangement of sliding door, rear right hand side door shown, 4 May 1948

W 8656

Sump for oilbath at valve crankshaft  
2 Feb 1948

W 9042

Arrangement of back driver's cab, 5 Jul 1948

No 2533

Smokebox arrangement, Class B1, (L.B.& S.C. Rly)

Engineering drawings - Railway Executive (Southern Region)

A 10923

Numbers and classes of engines, 1 Jan 1948, The Railway Executive, Southern Region, Eastern Section.

Engineering drawings - British Railways (Southern Railways)

E 52520

Numbers and classes of engines, 1 Jan 1962

E 43760

Wheels and axle for lightweight motor double decker, [1949]

E 43968

Wheels and axle for lightweight motor bogie converted to suit motor bogie for double decker units, 10 Aug 1949

E 46256

Blow down or extraction valve, 5 Sep 1948

F 70010

Schematic diagram of connections for Sulzer/BTH 1160 H.P. Diesel Electric locomotives, 18 Feb 1958

W 4876

Arrangement of frame front end, 1946

W 7546

Bogie frame arrangement, 30 Aug 1948

W 7900

Brake gear arrangement, 19 Jan 1948

W 7959

Bogie frame plate arrangement, 30 Aug 1948

W 7959

Bogie frame plate arrangement, 30 Aug 1948

W 7964

Outside oilbath, 7'11<sup>13</sup>/<sub>16</sub>" centres, 17 Jan 1949

W 8131

Reversing gear arrangement, 23 Jul 1947

W 8188

Scheme for Berkley Mechanical Stoker, merchant Navy Class, [pre 1949]

W 8347

C.C. frame arrangement, 25 Nov 1947

W 8591

Inside oilbath arrangement, 14 Oct 1948

W 8679

Arrangement of outside oilbaths, 13 Feb 1947

W 9134

Motion arrangement, 7 Dec 1948

W 9344  
Arrangement of regulator control gear, 1947

W 9650  
Oilbath for reversing gear, 6 Sep 1948

W 9880  
Parts required for test sand trap, [1949]

Miscellaneous drawings

C 33896  
Firebox arrangements, L.M & S.R. Crewe, 2 Sep 1935

[No number]  
Class A4, general arrangement, 4-6-2 three cylinder express passenger engine, 6'8" dia. wheels, 18½" x 26" cylinders, L.N.E.R, 29 Oct 1935

[No number]  
General arrangement, Class O, Great Eastern Railway, [n.d.]

A 2640  
Engines class O1, General arrangement of Alterns from old O Class, Ashford Works, S.E. & C.Rly, c.1932.

SL-DN-K-422-154  
Radius rod, 3 Mar 1950

SL-DN-K-422-155  
Expansion link, 3 Mar 1950

SL/SW/928  
Diagram of air and vacuum pipes and fittings, 6 May 1957.

SL/BR/1727  
DE/3002/2  
1550 H.P. B.R.C.W. Type 3 B-B Diesel Electric Locomotive, [?1963]

Engineering drawings by Builders

Cowans, Sheldon & Co Ltd  
E 52643  
30 tons breakdown crane and match-truck, [1963]

Cowans, Sheldon & Co Ltd  
20216/26  
Details of canopy and details of cabin for 30 tons breakdown crane

Davies & Metcalfe Ltd  
SCH. B-311/1Z  
Scheme of air brake equipment, 7 Nov 1960. [2 copies]

Donaldson & Piper  
"Doris" LMS Class 5, 3½" gauge, sheets 1 & 2[n.d.]

Laidlaw Drew & Co  
1/1/1/377  
'C' Type burner, A3

Rolled Drawings etc.

GSR diagramme book [c.1900]

Roll 1

DE 18,  
L.M.S.R. Derby, 1937  
Proposed 2 cylinder 4-6-0 passenger engine with latest 3A boiler

DE 16,  
L.M.S.R. Derby, 1937  
Proposed 2 cylinder 4-6-0 passenger engine with modified taper "Scott" boiler

Roll 2

C1590  
Ricardo & Co, Shoreham-by-sea, 1952  
Cross section of 6 1/2" x 7 1/2" 6 cylinder steam engine

Roll 3

British Railways 1964  
General Arrangement MN 4-6-2 loco

Roll 4

Rugby testing station  
Modifications to ashpan, draught relationships, with drawings of several locomotives.  
Grate arrangements

Roll 5

Drawings of exhaust and smokebox

Roll 6/1-2

Leader class S.R., 18 cylinder tank engine. [12 items]

Leader class S.R., [8 items]

Roll 7

Merchant navy class "Channel Packet", coloured,  
Outlines of three locomotives

Roll 8

General Arrangement Class 'C' (Asia) L.C.& D.R., paper, coloured  
Brake details for No.s 1, 2, 3, 188 engines, Eastern Counties Railway Company.

Roll 9

Turf burning loco  
bogey layout,, drive layout, shaft drive bogie, engine unit [12 items]

Roll 10

Various engine drawings

Roll 11

County of Pembroke and Swanage locomotives, copies of paintings with associated parts of drawings

Roll 12

Posters:-

St. Anselm Sealink Cross-Channel Ferry

Fare Dodgers

New Door Opening Method On Southern Railway

Railrover tickets

12. PUBLICATIONS

12/1 BUNDLE

1980s

of drafts of material for publications, correspondence with Nigel Harris of Silver Link Publishing

- 12/2 BUNDLE 1980s  
of typescript chapters with photographs and captions.
- 12/3 BUNDLE 1980s  
of typescript chapters with photographs and captions.
- 12/4 BUNDLE [c. 1980s]  
of 2 computer discs and 43 audio tapes re. publishing of articles and talks.
- 12/5 BUNDLE [c.1980s]  
of 10 computer discs and 10 audio tapes re. publishing of articles and talks.

### 13. NOTEBOOKS

- 13/1-6 NOTEBOOKS 1938-1939  
of Southern locomotive details and engines seen, with drawings. [6 items]
- 13/7 NOTEBOOK 1939-1941  
of Kent & Dorset Railway locomotive details and engines seen, with drawings
- 13/8 BUNDLE [1940s]  
of notes of engines classes with dates, builders etc.
- 13/9-15 NOTEBOOKS 1950s  
of J Click whilst at Locomotive testing Station, Mill Road, Rugby with details of test and record runs. [7 items]
- 13/16 NOTEBOOK 13 Dec 1962  
of last conversation with O V Bulleid
- 13/17 NOTEBOOK [n.d.]  
of details of stations and boxes, Rugby to Euston
- 13/18 NOTEBOOK [n.d.]  
of details of working of heat engines for syllabus SIII

14. BOOKS

- 14/1 BOOK Jan 1920  
"Rules and regulation for the guidance of the officers and men in the service of the South Eastern and Chatham Railway Company"
- 14/2 BOOK 1925  
"Tales of the Trains - being some impressions by an onlooker of a railway from behind the scenes"
- 14/3 BOOK Jan 1933  
"Rules for observance by employees", issued by Great Southern Railway.
- 14/4 BOOK Nov 1938  
"Operation and Description of Electrical Equipment - for the information of motormen" issued by Chief Electrical Engineer's department, Southern Railway.
- 14/5 BOOK [1930s.]  
"Practical hints for footplate men" issued by Southern Railway, Traffic Department (Motive Power).
- 14/6 BOOKLET [1945]  
"The 2-8-0 & 2-10-0 locomotives of the War Department 1939-1945" Railway Observer Supplement No 5 by D R Pollock and D E White, published by The Railway Correspondence and Travel Society
- 14/7 BOOKLET 1944  
"The Westinghouse Automatic Brake - instruction book" issued by Westinghouse Brake & Signal Co Ltd.
- 14/8 BOOKLET 1946  
Official programme of the Victory Celebrations, 8th June 1946, HMSO
- 14/9 BOOKLET 1946  
"Golden Arrow Album - a souvenir of the restoration of a famous continental link" by George C Drury, Ian Allan Ltd
- 14/10 BOOKLET 1946  
"Locomotive Stock Book 1946" Railway Observer supplement No 7 by D R Pollock P Proud, C Smith and D E White, published by The Railway Correspondence and Travel society
- 14/11 REPORT 21 Jan 1946  
by the Railway (London Plan) Committee 1944 to the Minister of War Transport, HMSO.
- 14/12 BOOKLET 1947  
"Swindon works - and its place in Great Western history" issued by Great Western Railway,

James Milne, General Manager, Paddington Station, London W2.

- 14/13 BOOKLET 1947  
 "The Book of the Schools Class" by S C Townroe, Ian Allen Ltd, London
- 14/14 BOOKLET [1947]  
 "Das Rollmaterial der schweizerischen Normalund Schmalspurbahnen", diagrams of vehicles on Swiss railways. [German & French]
- 14/15 BOOKLET 1948  
 "Locomotive Stock Book 1948" Railway Observer supplement No 4 by D R Pollock P Proud, C Smith and D E White, published by The Railway Correspondence and Travel society
- 14/16 JOURNAL Nov - Dec 1948  
 of the Institution of Locomotive Engineers
- 14/17 BOOKLET 1949  
 "The Rother Valley later the Kent & East Sussex Railway, 1896 -1948" by M Lawson Finch
- 14/18 JOURNAL Mar 1949  
 and Proceedings of the Institution of Mechanical Engineers
- 14/19 BOOK 1950  
 "Railway Manual" by British Timken Ltd, Birmingham and Northampton with details, drawings and photographs of Timken tapered Roller bearings and locomotives.
- 14/20 BOOKLET 1950  
 "New Light on the Locomotive Exchanges - a detailed analysis of the official report of the Railway Executive", by Cecil J Allen,
- 14/21 BOOKLET 1952  
 "The ABC of Railway Photography" by O J Morris, Ian Allen Ltd.
- 14/22 BOOKLET [1954]  
 "Exhibition of locomotives, carriages, wagons and engineering plant at Willesden, with details and photographs of exhibits.
- 14/23 BOOK [n.d.]  
 "Locomotive Insulation" issued by J W Roberts Ltd, Midland Works, Leeds.
- 14/24 BOOKLET 1956/7  
 "The ABC of British Railway Locomotives, part 2 nos. 10000-39999 ", Ian Allen Ltd.
- 14/25 BOOKLET 1958  
 "The Railway Museum, York" issued by the British Transport Commission, London.
- 14/26 BOOKLET 1959

"Standard Dimensions 1959, Metre Gauge", East African Railways and Harbours, printed by The Government Printer, Nairobi.

- 14/27 BOOK 1960  
 "Le Materiel Moteur SNCF" by Jacques Defrance, including locomotives a vapeur, locomotives electriques, automotrices electriques, locomotives a moteurs thermiques, trucks moteur, locomotuers, locotracteurs, autorails. [French]
- 14/28 JOURNAL 1962  
 "Steam Locomotive & Railroad Tradition" published by Starucca Valley Publications, 203 Main St, Susquehanna, Pa.,
- 14/29 BOOKLET 1962/3  
 "British Railway Locomotives, parts 1& 2 nos. 7 - 9799, 30021-35030, 70000-92250", Ian Allen Ltd.
- 14/30 BOOKLET 1963  
 "ABC of British Railway Diesel Locomotives", Ian Allen Ltd.
- 14/31 JOURNAL 1965  
 "The Chartered Mechanical Engineer", which includes an interview with Mr O V S Bulleid.
- 14/32 BOOKLET 1975  
 "150 years of uninterrupted progress in railway engineering" issued by The Institution of Mechanical Engineers from the James Clayton Lecture.
- 14/33 BOOKLET 1977  
 "The Railway System in Southern England from 1803" issued by R V Townsend, Public Relations and Publicity Officer, Southern Railway
- 14/34 BOOKLET 1970  
 "Locomotives - a picture history" by B Reed, Ward Lock Ltd
- 14/35 BOOKLET 1974  
 "British Railways high speed train for 200 km/h" reprinted from Railway Engineering International, for Hawker Siddeley Brush Electrical Machines Ltd.
- 14/36 BOOKLET 1976  
 "1500v choppers with rheostatic braking for Netherlands Railways" GEC Traction Ltd
- 14/37 BOOKLET 1984  
 "Danish Railway Design" DSB design for the Danish Design Council [Danish & English]
- 14/38 BOOKLET 1986  
 "Steam Echoes" edited by Michael Baker & Nigel Harris, to celebrate 25 years of the Great Western Society, Silver Link Publishing.

15. PUBLICITY

15/1 PUBLICITY MATERIAL

1960s-1980s

leaflets re travel in Britain and Europe, passenger facilities and advertising.

16. POSTCARDS

16/1 POSTCARDS

including early non-official drawings, modern photographs of preserved locomotives, a few European lines, and with a set of SNCF steam and electric photo cards. [142 items]

## CLICK ADDITIONAL

A series of misc. reports, books and journals relating to railways, aircraft and other interests.

## BOOKS AND BOOKLETS

- BOOK 1907  
"Archiv fur Eisenbahnwesen" herausgegeben im Koniglich Preuszischen Ministerium der Offentlichen Arbeiten.  
[German]
- BOOK 1910  
"Lectures delivered to the Enginemmen and Firemen of the London and South Western Railway Company, on the Management of their engines" by D Drummond, Chief Mechanical Engineer, published by Waterlow & Sons  
[Poor condition]
- BOOK 1931  
"The Theory of Heat Engines" by William Inchley.
- BOOK [?early 20c]  
Cassell's Lawyer being a popular exposition of the civil and commercial law of Great Britain with such criminal law as affects the trader by a barrister-at -law.
- BOOK Jan 1931  
"High -Pressure Locomotives" by H N Gresley, being an excerpt of the minutes of proceedings of the meeting of the Institution of Mechanical Engineers.
- BOOKLET 1931  
"The Internal-Combustion Locomotive" by Brian Reed, presented to the Association of Engineering and Shipbuilding Draughtsmen, Session 1930-1931
- BOOK Mar 1932  
"National Conditions of Service of Locomotivemen and Electric Trainmen", issued by the Associated Society of Locomotive Engineers and Firemen.
- BOOKLET Jun 1944  
"Titans of the Track - Southern Railway", published by Ian Allan.  
[Loose cover]
- BOOKLET Jan 1945  
"Titans of the Track - London Midland & Scottish Railway", published by Ian Allan
- BOOKLET [?1946]  
Nameplates of the Southern Locomotives by Frank H A Burr ridge, published by Sydenham & Co
- BOOK 1946  
"Nos Locomotives" by M. Hauri. [French]
- BOOK 1947  
"Le Centenaire Des Chemins de Fer Suisses"
- BOOKLET 1947  
"Locovariety" published by Ian Allan
- BOOKLET Oct 1947

- "Locomotives des chemins de fer francais a vapeur, electriques, diesel electriques et autorails". [French]
- BOOKLET 1948  
"more of my best railway photographs", by Canon E Treacy, published by Ian Allan
- BOOKLET [20c]  
of transparent drawings showing the inner workings of 3,300 H.P. 25kV A.C. Electric locomotives built by British Railways Doncaster Works.
- BOOKLET 1953  
"London On Wheels", a short history produced for an exhibition of London travel in the nineteenth century by British Transport Commission, London
- BOOKLET 1953  
"Royal journey - a retrospect of Royal Trains in the British Isles", a short history produced by British Transport Commission, London.
- BOOK 1958  
"d'hier et d'aujourd'hui presentees" by Vauquesal-papin
- BOOK 1 Jul 1957  
British Railways distance code index for merchandise by passenger train or other similar service.  
[Annotated with distance in miles and additional comments. Various loose pages inserted.]
- BOOK 1959  
"Rapidly round the bend - a short review of railway transport from the time of Abraham", by C. Hamilton Ellis, published by Max Parrish, London.
- RULEBOOK 1961  
of British railways, 1950, including amendments up to 1961
- BOOKLET 1973  
"The Railways of France" issued by Societe Nationale de Chemin de Fer. [French}
- BOOKLET 1974  
"British Rail Today and Tomorrow"
- BOOKLET 1976  
"Un Train pour Demain - La Nouvelle Ligne Paris Sud-Est" issued by Societe Nationale de Chemin de Fer. [French
- BOOKLET 1980  
"Advanced Passenger Train", a brief history and advantages for the development.

## REPORTS

- REPORT 1947  
"Summary table of statistical returns of Railways of Great Britain, 1946", issued by Ministry of Transport.
- REPORT 1947  
on the collision which occurred on the 18 May 1947 between Grayrigg and Oxenholme on the London Midland & Scottish Railway, issued by Ministry of Transport

- REPORT 1948  
on the derailment which occurred on 29 May 1947 near Bletchley, on the London Midland & Scottish Railway, issued by Ministry of Transport.
- REPORT 1948  
on the collision which occurred on the 6 Nov 1947 at Herne Hill, on the Southern Railway, issued by Ministry of Transport.
- REPORT 1948  
on the collision which occurred on the 6 Nov 1947, at Motspur Park Junction on the Southern Railway, issued by Ministry of Transport.
- REPORT 1951  
First annual report of Coras Iompair Eireann, 1950-1951, issued by Kingsbridge Station, Dublin  
[Annotated. Loose pages.]
- REPORT 1956  
Sixth annual report of Coras Iompair Eireann, year ended 1956, issued by Kingsbridge Station, Dublin
- REPORT 1957  
Seventh annual report of Coras Iompair Eireann, year ended 1957, issued by Kingsbridge Station, Dublin
- REPORT 1957  
"Committee of Inquiry into Internal Transport", issued by Beddy, Dempsey, Greene, Stafford and Thompson, Dublin Stationery office.
- REPORT 1954  
of the Scottish Peat Committee, issued by Scottish Home Department.
- REPORT 1977  
Brief Annual Report of British Rail "Report 77" by Peter Parker

## PAPERS

- REPRINT 15 Dec 1944  
"British - built Austerity 2-10-0 locomotive" reprinted from the Railway Gazette.  
Enclosed: pages of reprinted drawings [No author]
- REPRINT 1948  
"Le traitement des eaux d'Alimentation des Chaudières de locomotives à la S.N.C.F." by M. Marecat, reprinted from Revue Generale des Chemins de Fer.
- [?REPRINT] 1949  
"Les Locomotives à Turbine à Vapeur" by Bernard Robinet
- REPRINT Oct 1956  
"Motive Power on Sea and Land" by T.A.Crowe, reprinted from Proceedings of Institution of Mechanical Engineers.

- REPRINT 1970  
"An exercise in Steam Car Design" by R.M.Palmer, reprinted from Proceedings of Institution of Mechanical Engineers.
- REPRINT 22 Nov 1972  
"Locomotive Testing Stations, Part 1" by D.R.Carling reprinted from Proceedings of Institution of Mechanical Engineers, the Newcomen Society.
- REPRINT 16 May 1973  
"Locomotive Testing Stations, Part 2" by D.R.Carling reprinted from Proceedings of Institution of Mechanical Engineers, the Newcomen Society.
- BOOKLET 1-2 Mar 1976  
Papers presented at private Symposium on Developments in Electric Traction, issued by GEC Traction
- REPRINT 1980  
"The Class 56 Freight locomotives of British Railways" by D.F.Russel and P.J.Lowe reprinted from Proceedings of Institution of Mechanical Engineers
- REPRINT 1984  
"A Brief history of the Counter-Pressure Brake for Steam Locomotives" by D.R.Carling reprinted from Proceedings of the Newcomen Society for the study of the history of Engineering and Technology.
- REPRINT 1984  
"Engineering Change", the Chairman's Address by S.R.D. Power reprinted from Proceedings of Institution of Mechanical Engineers
- REPRINT 1975  
"Self-ventilated traction motor for both diesel and electric traction" by GEC Traction reprinted from Rail Engineering International.
- REPRINT 1976  
"25kV/750V ac/dc dual mode suburban multiple unit trains British Rail Class 313" by GEC Traction reprinted from Railway Engineer.
- REPRINT 1976  
"25/6.25kV 50Hz Express Multiple Unit Trains British Rail Class 312 Eastern and London Midland Regions" by GEC Traction reprinted from Railway Engineer.
- REPRINT 1977  
"25kV 60Hz Light weight thyristor locomotives for Taiwan" by GEC Traction reprinted from Railway Engineer.
- REPRINT [1970s]  
"3000V choppers for South African Railways" by GEC Traction reprinted from Railway Engineer.

## JOURNALS

- JOURNAL 1943-1947  
Southern Railways Magazine

JOURNAL [?]1940s  
 "Locomotive Superheating and Feed Water Heating" a supplement to the Locomotive Railway Carriage and Wagon Review.

JOURNAL Oct 1953  
 The Railway World

JOURNAL Jun 1956  
 Trains Illustrated

JOURNAL Jul 1971  
 La vie Rail [French]

JOURNAL 1977-1981  
 West London Industrial Archaeological Society Journal affiliated to the Transport Trust.  
 [10 items]

JOURNAL Nov 1981  
 Chartered Mechanical Engineer with article on Locomotives 2000  
 Enclosed: Papers re. L.D. Porta's proposed auto-biography

JOURNAL Oct 1982  
 Steam world with article on "The QI Pacific Bulleid didn't build."

JOURNAL Sep 1983  
 Railfan & Railroad

JOURNAL 1988  
 Railway Engineer

JOURNAL Sep 1987  
 Light Rail '87, a light rail Special Publication by the Light Rail Transit Association

## TIMETABLES

TIMETABLE 31 May 1948  
 Working timetable of Freight Trains, issued by London Central Division, British Railways (Southern Region).

TIMETABLE 1 Oct 1960  
 Sectional Appendix to Working Timetable and books of Rules and Regulations, issued by Southern Section of British Railways (North Eastern Region).

TIMETABLE 1 Oct 1960  
 Sectional Appendix to Working Timetable and books of Rules and Regulations, issued by Northern Section of British Railways (North Eastern Region).

TIMETABLE 1 Oct 1960  
 General Appendix to Working Timetables and books of Rules and Regulations, issued by Railway Clearing House, British Railways. [2 copies]

TIMETABLE 18 Jun 1962

Supplement No 1 to the general Appendix to Working Timetable and books of Rules and Regulations, issued by British Railways, British Transport Commission.

TIMETABLE 12 May 1963  
Supplementary programme of Signalling Arrangements affecting the working of the line at Tees Signal Box, issued by British Railways (North Eastern Region).

TIMETABLE 21 Apr 1963  
Supplementary programme of Signalling Arrangements affecting the working of the line at Tyne Signal Box, issued by British Railways (North Eastern Region).

TIMETABLE 21 Mar 1964  
No 2 Supplement to the Sectional Northern Section including Main Line, York to Northallerton and York Yards issued by British Railways (North Eastern Region).

TIMETABLE 16 Jan 1965  
Supplementary Operating Instructions, issued by British Railways (North Eastern Region)

TIMETABLE 1 Oct 1972  
Sectional appendix to the working timetable and books of rules and regulations, issued by British Railways (Eastern Region)

#### MISC

COPY CONTRACT 31 Mar 1930  
Contract between the London and North Eastern Railway Company and His Majesty's Postmaster General for the conveyance of the mails

#### AERONAUTICAL MATERIAL

BOOKLET Dec 1939  
"Aircraft Identification – how to tell friend from foe"

BOOKLET Apr 1941  
"Aircraft Identification – Italian fighters, bombers and seaplanes"

BOOKLET Sep 1942  
"Aircraft Identification – American Monoplanes with the RAF"

BOOKLETS 1940 - 1943  
Aeroplane Recognition Tests, parts 1, 3, 4, 6, 7.

BOOKLET 1945  
"Atlantic Bridge – the official account of RAF Transport Command's Ocean Ferry", H.M.S.O

ALBUM  
of cigarette Cards, "Civil Aeroplane", John Player & Sons

BOOKLET Sep 1950  
"The Times Survey of British Aviation" for the Farnborough Air Display.

BOOKLET 30 Aug 1957

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"The Aeroplane", British Aircraft Industry

**BOOKLETS**

1965, 1967, 1970

Aircraft brochures for Super VC 10, BAC-III, BAC-III 500 series

**JOURNALS**

1980, 1983, 1984, 1985, 1986

Pilot Magazine and Aeroplane Monthly