

150 YEARS OF

Steam Locomotives

1812 = 1962

EXHIBITION

LEEDS CITY MUSEUM

SEPTEMBER 15th. - ²⁹22nd. 1962

6^d

150 Years of Steam Locomotives.

On the 12th August, 1812, the steam locomotive took over regular operation of a railway for the first time. This was on the Middleton Colliery Railway in Leeds, after trial runs earlier in the year.

The engines "Salamanca" and "Prince Regent" were built by Fenton Murray and Wood of Leeds to the design of Matthew Murray. They used Blenkinsop's rack rail system, with the result that a light weight engine could pull heavy loads without damaging the far from robust rails, and could climb gradients of 1 in 12. Murray and Blenkinsop have received less widespread fame than other early locomotive designers, their rack traction being regarded as a blind alley to which they stuck obstinately instead of using smooth-wheel adhesion. The rack system was however the best solution to the demands made at that time by the Middleton Railway.

The wonderful achievements of steam locomotives in a century and a half are a tribute to their simplicity, robustness and reliability, with an ability to keep going in all weather conditions and even when almost in scrap condition.

The pioneer work at Middleton was followed by the achievements of a chain of great locomotive engineers: Stephenson and his link motion, the Belgian Egide Walschaert's valve gear, the designs of Stirling, Worsdell, Churchward, Ivatt, and Holden down to their present day successors. They have a record of achievements which will not be forgotten.

Steam is now being replaced but although the electric and diesel locomotives take over and do extremely well, steam will survive not only in Museums but also on a few amateur railways such as Middleton.

This exhibition has been arranged by the Middleton Railway Preservation Society in conjunction with Leeds City Museum.

The Preservation Society was formed in 1959 to restore the Middleton Railway to working order for goods traffic. This Railway was the world's first authorised by Act of Parliament 1758, the first to run regularly with steam locomotives, 1812, and the first 4' 8½" gauge line to be operated by amateurs, 1960.

Further details of the Society can be obtained at the Exhibition from the Prospectus and the various publications for sale.

Membership is open to all over 16 (under 16 by special arrangement). Junior (under 18) and student membership is 7/6d. a year, full membership is £ 1 : 1 : 0d. a year. The magazine "Old Run" is sent free to all members.

The Society offers hard and rewarding work to those interested in operating and maintaining a goods line. Permanent Way maintenance and improvement is carried out each week, and a driving, guarding and shunting rota operates daily.

For further details and enquiries contact the Secretary, Mrs. S. M. Youell, 21 Burley Wood Crescent, Leeds, 4.

The Exhibits.

1. "Salamanca" by Fenton, Murray and Wood, Leeds, 1812.
2. Drawing of First Loco. built by Hudswell, Clarke, Leeds.
3. Metre Gauge 2-8-4 T supplied to Iraq Petroleum Co. by Hudswell, Clarke.
4. Works plates and photos of Hudswell, Clarke Locos.
5. L.N.W. Driver's Headlamp.
6. L.N.W. Driver's Tea Bottle.
7. L & Y.R. notice "Lorry to Call."
8. L.N.W. and M.R. wagon building plates.
9. L.M.S. Shunter's Horn.
10. L & Y.R. Carriage Destination Boards.
11. L & Y.R. Signal Box Frame Plate.
12. G.N.R. Notices, circa 1912.
13. G.N.G.C. Joint Notice.
14. M.R. Time Table Cover.
15. L & Y. Uniform Buttons and Badges.
16. G.N. L & Y. Joint Porter's Armband.
17. L.M.S. Telephone Circuit.
18. L & Y.R. Staff.
19. Wall Plate K.H.L.R.
20. Loco. Building Plates BDC and LMS 1897.
21. Commemorative Plaque of Blenkinsop Loco. 1811.
22. Pair of Whistles from N.E.R.B. 16/1, 4-6-0.
23. M.R. Signal Lamps of early design.

24. M.R. Signal Lamps-Yellow.
25. Long Burning Interior Cistern and Lens L.M.S. Signal.
26. H & B Level Crossing Gate Lamp.
27. G.E.R. Signal Back Shade.
28. G.E.N.B.M.R. Signal Arms.
29. Selection of Signal Finials.
30. Gauge-Glass Cover ex. G.N.R. Atlantic 3990.
31. Specimen of Signal Green Glass.
32. Model of Rail Built Buffer Stop.
33. G.E.N. L.N.E. Loco. Headcode Discs.
34. Cast Plates Warning and Working Instructions for G.W.R. Railcar.
35. Nameplate, Loch Laidon, K2 61789 L.N.E. 4699.
36. Fireclay Ashtray dated 1811 depicting "Salamanca."
37. "South Yorkshireman" Headboard.
38. 6" Bridge Plate, Halifax High Level Rly.
39. M.R. Shunter's Horn pre. 1900.
40. L & Y Dwarf Signal.
41. L & Y Chair.
42. Works Plate from J.50 68929 the last built for G.N.R. at
Doncaster.
43. Number Plate ex. G.N.R. 9000 C1 4.4.0. No.900L.
44. Number Plate 68869.
45. Five whole plate Photos of same Loco.
46. Notice re., E & W Yorks, Union Rly.
47. Photos and map of same.
48. Name board of Hunslet Station.
49. Loco 80037.

50. Bradshaw Map, 1839.
51. G.C. Rule Book, 1920.
52. Photos of Caledonian Locomotives.
53. Photos of G.C. at Immingham Docks.
54. Last Edition of Bradshaw.
55. G.N.R. Additional Trains Notice 1889.
56. Original Photo of last Broad Gauge Cornishman from Paddington.
57. 1869 Skipton Timetable.
58. G.E.R. Whistle.
59. A Share Certificate of the Wharfedale Rly.
60. G.E.R. Billposters Notice.
61. G.E.R. Route Discs.
62. Sentinel Plate.
63. Maps of Original Middleton Rly.
64. Boiler Drawings of Boorws Well tank loco.
65. Railway Weather Vane.
66. Signal Box Diagrams G.E.R.
67. Desk Materials of Various Railways.
68. $\frac{3}{4}$ Mile Post of North Yorks. and Cleveland Rly.
69. Photo Display by Eric Treacy.
70. Photo Display by C.D.E. Roper Nunn.
71. Photo Display by Ben Wade.
72. Midland 4,4,0.
73. Worsdell Compound L.N.E.R.
74. 1935 L.N.E.R. Timetable.
75. 1938 L.M.S. Timetable.

DONORS.

Bingley U.D.C.

Mr. M. G. Boddy.

Mr. T. Booth.

British Railways N.E. Region.

Mr. P. N. Dean.

The Halifax Railfans Club.

The Huddersfield Railway Circle.

Hudswell Clarke.

The Hunslet Engine Company.

The Middleton Railway Preservation Society.

Mr. G. Morrison.

The Leeds City Museum.

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Mr. C. D. E. Roper Nunn.

Mr. M. V. Teale.

Rt. Rev. E. Treacy.

Mr. B. Wade.

Mr. J. A. Williams.

Dr. R. F. Youell.

Lectures and slide and films shows to be held in the Lecture Hall at the City Museum, except when stated.

- Saturday, 15th September. 2.00 Official Opening.
3.00 Illustrated Lecture -
"Railroading in N. America"
by Lord Garnock.
- Monday, 17th September. 1.00 B.T.C. Film - "Elizabethan Express" and
"Fully Fitted Freight" - (45 mins.)
7.30 Illustrated Lecture.
"The Changing Scene - Recent Develop-
ments in the North East."
by A. S. Whiteley.
- Tuesday, 18th September. 1.00 Film and Slide Show of Middleton Railway.
Film by courtesy of Granada T.V. (45 mins)
7.30 Illustrated Lecture.
"Industrial Locomotives in Colour."
by M. Swift. In the Physics Dept. The
University, Leeds, 2.
- Wednesday, 19th September. 1.00 Colour films: "Railway Travel with a
Cine Camera, 1961, from Devon to the
Scottish Borders." by J.C.W. Halliday.
- Thursday, 20th September. 1.00 Films: "The Locomotive" - Hunslet Engine
Co. (Colour) "Snowdrift at Bleath Gill" -
B.T.C. (45 mins.)
7.30 Lecture by E. E. Cowell, Traffic Manager,
West Riding British Railways.
- Friday, 21st September. 1.00 Colour Films - "British Locomotives" -
Hunslet Engine Co. "Blue Pullman" -
B.T.C. (45 mins.)
7.30 Illustrated Lecture - "The Great Central
Railway" by Professor G. W. Carter.
- Saturday, 22nd September. 2.30 Illustrated Lecture - "100 years of the
G.E.R." by R. F. Youell.

To reach the Physics Dept. for Tuesday's Lecture, alight from a No. 1 or 56 bus at University Road, walk up Woodhouse Lane and take the first turning on the left passed the Chemistry Dept. and follow the signposts.

ADMISSION TO ALL LECTURES AND SHOWS IS FREE