



The detailed wagon and van kit

The Prototype

In common with most other railway companies, the NBR earmarked certain wagons for use transporting locomotive coal. Originally, these were invariably ordinary mineral wagons of the day duly lettered for this traffic. Often any old wagon would do.

However in 1920 the NBR purchased from Hamilton Wagon Company a fleet of 260 12 ton wagons especially for this traffic. Broadly based on the existing 12/16 ton mineral wagon the vehicle featured fixed end doors and Spencer self contained buffers. A second order for 250 was placed with Pickering's making a total of 510.

These wagons were numbered in their own 70,000 series. and legended for loco coal. Lettering varied from batch to batch some carrying the legend 'Loco Coal Only' with the quatrefoil but no other proof of ownership, some loco Coal with the more usual 'NB' lettering.

This wagon was a long lived vehicle, of the 510 built over 400 passed on to British Rail. Many of these lasted until the end of the steam era in the sixties.

References

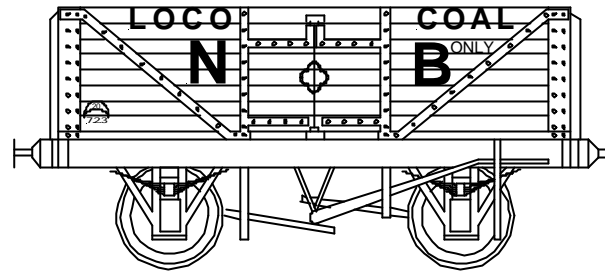
British Goods Wagons from 1887 to the present day, R Essery, D Rowland & W Steel

Wagons on the LNER North British No1, J Hooper, P6, P51
NBR Wagons some design aspects, G W M Sewell P29-31.
A Pictorial Record of LNER wagons, P Tatlow

Interested in the North British

The Membership Secretary:
The North British Railway Study Group
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Low Fell
Newcastle on Tyne

North British Railway London and North Eastern Railway British Rail Diagram 119, (SSA Diag 53B)



12t Loco coal wagon

Period: from 1920 to 1960's

For OO, EM and 18.83mm

Requires to complete:

- split spoke wagon 12mm wheels
- paint
- couplings
- transfers

Assembly

Please read these instructions before starting to build your model. Examine all the parts and familiarise yourself with their assembly. Remove any moulding flash and ensure all parts fit correctly. We suggest wet fine emery paper (1200 grit) may be useful to clean up flash marks. Assembly is best carried out using low melt solder or an epoxy resin such as Araldite. Glues like UHU, Multibond or Thixofix can also be used. For small parts use Superglue. To obtain the best results a combination of several techniques will be needed.

Check the fit of the wheel bearings in the axle boxes boring out with a 2mm drill as required. Fit both ends to one side and ensure all is square. Fit the other side in place with wheel sets and bearings in place. Ensure the wheels are secured in place and revolve freely. When

satisfied fix the second side in place. Again check all is level and square, if not a gentle tweak to ensure all four wheels are touching a flat surface such as a glass sheet.

From supplied embossed plastic sheet cut out floor to fit inside wagon. Attach floor in place.

Fix the buffers in place. Attach the either side brakes to each side of the wagon using the V as a guide. The brake shoes are positioned so that the brakes are activated by a clockwise movement of the lever. Fix the outside V which fits in a slot in the solebar. From the supplied round wire prepare brake push rod safety loops. These should be U shaped and should be positioned adjacent to the brake shoes. The exact position and shape varied and in any case these components were damaged in service. Lastly attach a brake lever to each side of the wagon.

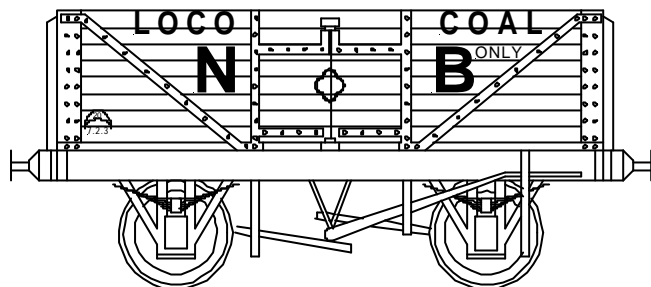
Drill out the handrail holes (0.45mm) pip marked at each side. Form the hand rails from the 0.45mm brass wire supplied and secure in place. Trim the embossed plastic floor to shape and fix in place.

Finishing

Clean and degrease the model, using white spirit prior to painting. For whitmetal parts use and etching primer, such as Precision Paints PS1. The model should then be painted using the livery of your choice. After painting clean the model using a tissue soaked in white spirit. **This is especially important if you are using dry lettering** such as that available from Pow Sides rather than waterslide or 'Methfix' transfers.

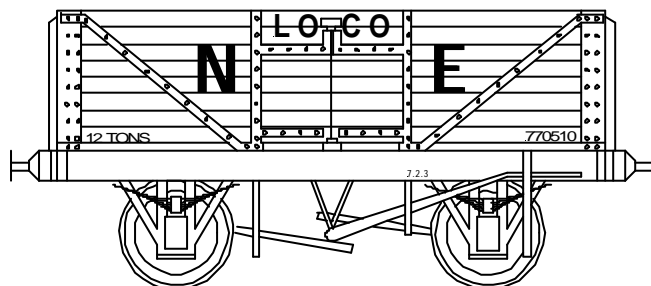
Livery

North British Railway 1920-1923



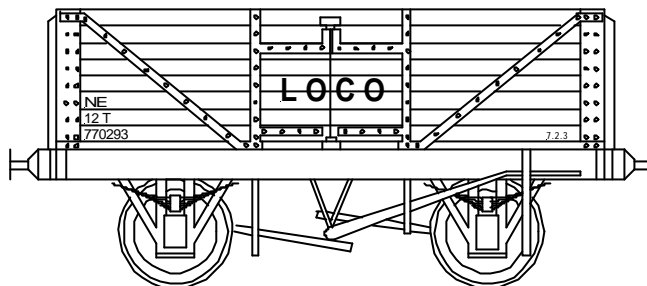
Bodywork, solebars grey, Precision Paint P679
Buffers, drawgear, running gear and sometimes body iron work black
Letters and numbers white, HMRS sheet 20
Note: some wagons were lettered with the quatrefoil symbol but no NB.

London North Eastern Railway 1923-1937

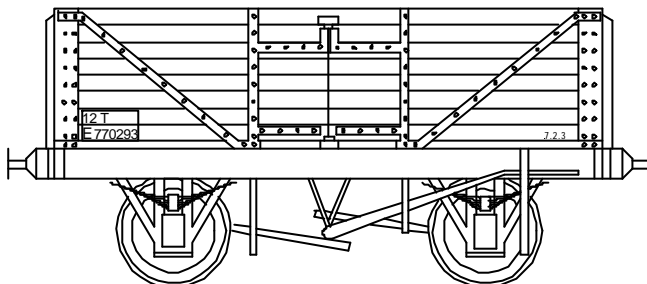


Bodywork, and solebars LNER grey
Precision Paint P66
Underframe/brake lever Black
Letters and numbers White
HMRS sheet 12, Modelmaster Sheet 4702,

London North Eastern Railway 1937-1948



Bodywork, and solebars LNER grey
Precision Paint P66
Underframe/brake lever Black
Letters and numbers White
HMRS sheet 12, Modelmaster Sheet 4702,



British Rail 1948-demise

Light grey Precision Paint P126, or bare timber with lettering on a black patch.
Lettering and numbers white HMRS sheet 25, Modelmaster sheet 4619

It will be appreciated that many wagons would not have been repainted by the LMS or BR and would remain in a weathered group or even pre-group livery or by that time weathered timber!

Sample Numbers

70001-70510

The LNER added 700,000 to the North British Number and in BR ownership E prefixed the number.

51L

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The current version of these assembly instructions will be available on the 51L website: www.51l.co.uk. For further help or information please emails: info@51l.co.uk

Wizard Models

Wizard Models stocks a wide range of components, paints, transfers and other necessities for the 4mm modeller working in OO, EM and P4mm. Full details may be found on our comprehensive website where server secure on line ordering facilities are available. See:

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Version: 2.00

Issued: March 2002