



The detailed wagon and van kit

The Prototype

Pig iron wagons were used for the transport of heavy pigs from steel mill to rolling mill. Their main area of activity was the industrial heart lands of Scotland. However when the need arose they were used for general merchandise traffic such as barrels, bales of wool or cotton etc. Because of the portage interests of the NBR at a number of Scottish ports, such as Glasgow, these wagons were seen carrying goods to destinations nationwide. Photographic evidence exists of baled wool traffic from Glasgow to Bradford for example.

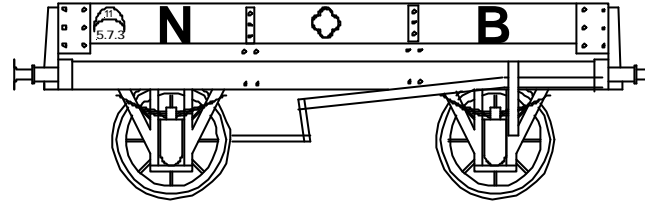
Our kit represents a pig iron wagon of 16 ton capacity introduced from 1904. The 16 ton pig iron wagon was dimensionally similar to the diagram 29, introduced around 1896, but with uprated springing arrangements. None of the pig iron wagons required the load to be secured as friction retained the heavy pigs in place. These wagons would have had a life of over 30 years and many would have been extant in 1940.

References:

British Goods Wagons from 1887 to the present day, R Essery, D Rowland & W Steel
Wagons on the LNER North British No1, J Hopper P23
NBR Wagons some design aspects, G W M Sewell, P15
A Pictorial Record of LNER wagons, P Tatlow

North British Railway London and North Eastern Railway

Diagram 82 14ton pig iron wagon (SSA Diag 55)



Period: from c1900 to c1940

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. Carry out a dummy run before assembly. 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 axleguards. If necessary drill out the bearing hole to accept the bearing. Fix both ends to one side. Ensure all is level and square. Fit the second side with wheel sets in place. Ensure the wheels are firmly supported and run freely. When satisfied fix the second side in place. Again check the wagon is level and square. If not a gentle tweak will ensure that all four wheels come into contact with a flat surface such as a glass sheet.

Fit the buffers in place with the bolt heads at the 3, 6, 9 and 12 o'clock positions. Fix the single brake shoe to each side of the wagon followed by a brake lever.

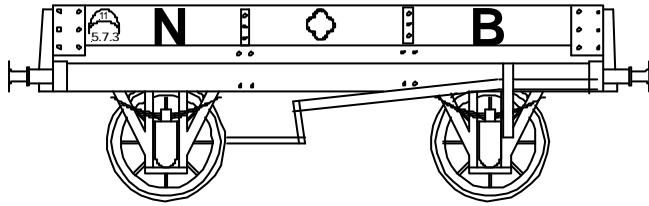
Cut the embossed plastic floor to shape and fix in place. After painting and lettering fit three link couplings.

Finishing

Clean and degrease the model, using white spirit prior to painting. For whitmetal parts use an etching primer, such as Precision Paints PS1. The model should 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 dry lettering such as that available from Pow Sides rather than waterslide or 'methfix' transfers.

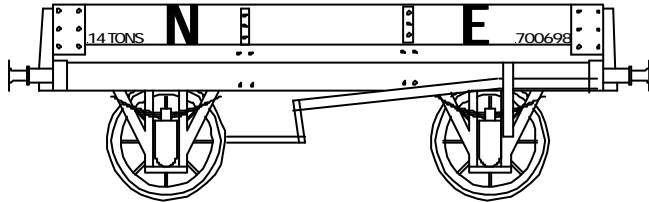
Livery

North British Railway 1904-1923



Bodywork, solebars grey, Precision Paint P679
Buffers, drawgear, running gear and sometimes body iron work Black
Letters and numbers White
HMRS sheet 20,

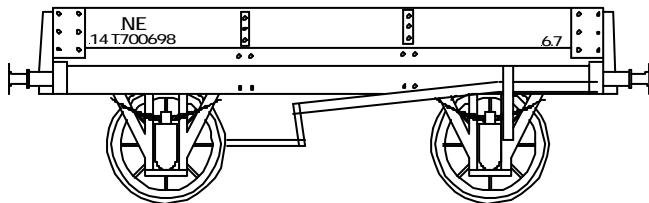
London North Eastern Railway 1923-1937



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-demise

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



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!

Acknowledgements

51L would like to thank members of the North British Study Group for their help and assistance in preparing this model.

Sample Numbers

637, 698, 1320, 2596, 3572, 4434, 5124, 7027, 8260, 9272, 9993, 10092, 13150
The LNER added 700.000 to the NBR number

Interested in the North British Railway?

Contact the North British Study Group.
The Membership Secretary:
The North British Railway Study Group
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Saltwell Road South
Low Fell
Newcastle on Tyne

51L

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51L models are available through Wizard Models / 51L.
The current version of these assembly instructions will be available on the 51L website: www.51l.co.uk For further help or information, please e mail: peter@51l.co.uk.

Wizard Models

Wizard models stocks a wide range of components, paints, transfers and other necessities for the finescale modeller in OO, EM and 18.83mm. A full price list, for 50p + SAE can be obtained from :-
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