

The Prototype

The NER introduced their C10 design in 1908 to replace their ageing fleet of C2 wagons, which dated back to 1886. The C10 was an updated version of the 10t C9 introduced earlier in 1908. In all some 22,689 C10's were built by the end of 1922, by far the most numerous pre-group wagon to be taken into the LNER in 1923. Few modifications occurred to the design over the years although from 1918 ribbed buffers were fitted as standard.

In 1940 some 18,710 were still in use but by nationalisation in 1948 only 8,091 remained. It is thought probable that some of these survivors would have lasted until the late 50's or possibly the early 1960's.

The C10 was seen the length and breadth of Great Britain.

References

North Eastern Record, Vol 2 P85.

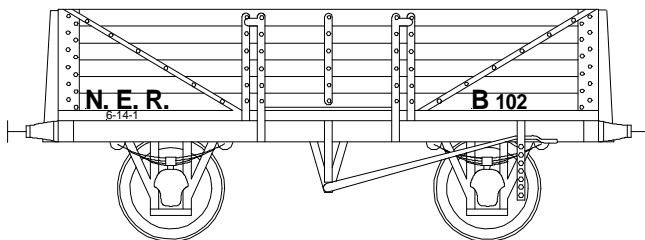
A Pictorial Record of LNER Wagons, P Tatlow, P18
Freight wagons and loads in service on the Great Western Railway and British Rail Western Region, J Russell, Figures 14-16.

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North Eastern Railway London and North Eastern Railway British Rail

Diagram C10 10t Open goods wagon
Period: from 1908-late 1950'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 into the axle boxes and drill out as required. Fit the axleguards to one side ensuring they are aligned with the solebar detail. Check that the centres are at 38mm. Fix one side to one of the ends checking all is level and square. Fix the second end to the side again ensure all is square. Check the fit of the second side and fix in place. Ensure the wagon is square. Fit one of the two loose axleguards in place with wheel sets. The wheels should be supported firmly but not

tightly by the axleguards and the axle should be at right angles to the wagon length. If required either pack or bore the axleboxes as necessary. When satisfied fix this axleguard in place. Repeat for the last axleguard. Check all is level and square, a gentle tweak will ensure all four wheels are in contact with a flat surface such as a glass sheet.

Cut the embossed plastic floor to size and fit. Fit the brake shoes in place. From the 0.7mm wire cut the brake cross shaft to fit between the two V's, attach in place. Fit the brake levers in place, the plain one is on the brake shoe side of the wagon. Fit the door bangers in place in the slots provided on the solebar. The buffers should now be fitted in place, for wagons modified or built after 1918 onwards attach the ribbed buffer.

Finishing

Clean and degrease the model, using white spirit prior to painting. For white metal parts use and 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 using the "Pow Sides" dry lettering**, rather than waterslide or 'Methfix' transfers.

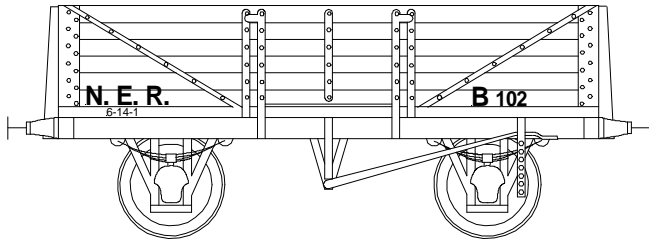
Acknowledgements

51L would like to thank Michael Grocock, Claire and David Williamson for their help in the preparation of this model.

Livery

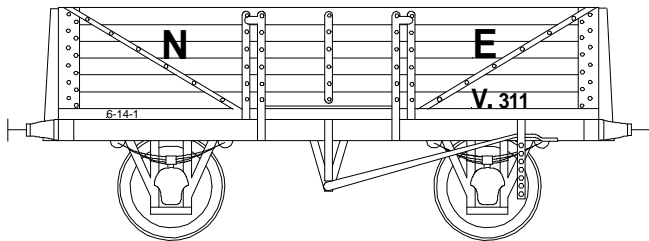
Letter your wagon to suit your period. Suitable lettering is available from HMRS, Modelmaster and Pow Sides; paint from Precision Paint for the NER, LNER and BR periods.

North Eastern Railway 1908 to 1911



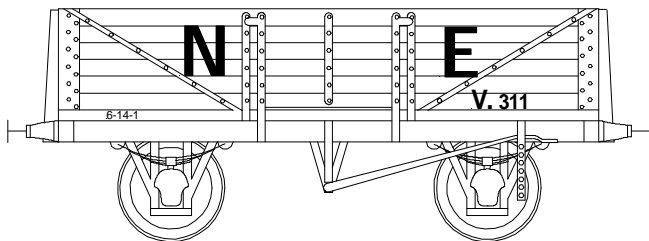
Bodywork and solebars NER grey
Precision Paint P530
Underframe/brake levers black
Letters and numbers white
Pow Sides sheet E262, Fox FRH 4325

North Eastern Railway 1911-1923



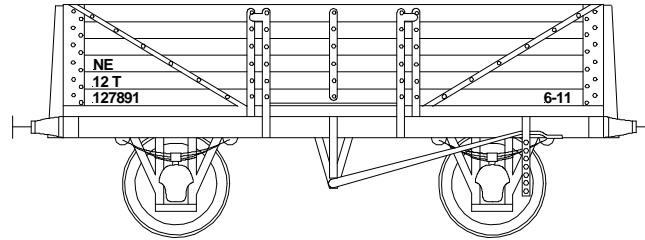
Bodywork, and solebars NER grey Precision Paint
P530
Underframe/brake lever black
Letters and numbers white
Pow Sides sheet E262, Fox FRH 4325

London and North Eastern Railway 1923-1937



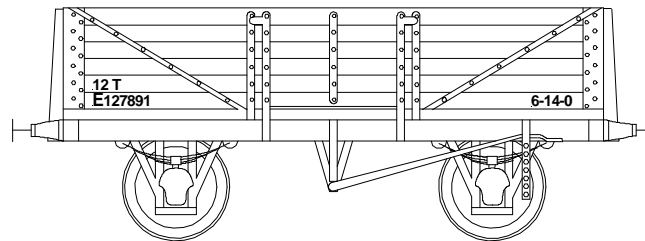
Bodywork, and solebars grey Precision Paint P66
Underframe/brake lever Black
Letters and numbers White
HMRS sheet 12, Modelmaster Sheet 4702, Pow Sides
E201

London and North Eastern Railway 1937-48



Bodywork, and solebars grey, Precision Paint P66
Underframe/brake lever black
Letters and numbers white
HMRS sheet 12, Modelmaster Sheet 4702, Pow Sides
E201, Fox FRH 4325

British Railways 1948-demise



Bodywork, and solebars grey or unpainted wood
Precision paint P126
Underframe/brake lever black
Letters and numbers white on black patch
HMRS sheet 25, Modelmaster Sheet 4606.

Sample numbers

Running numbers include:(Year of build in brackets)

Plain buffers:
12482, 12490, (1910), 21272 (1909), 241329 (1913), 24998,
25000 (1911), B1-1000 (1909-1910), F369-372 (1911), R7-30
(1913)

Ribbed buffers:

10002, 10005, (1919) 17832 (1920), 23891 (1919), 28600
(1923), 40268 (1920), 62445 (1919), R666-1000 (1919-1920),
V665 (1920)

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