

# *Furness Railway Wagon Co.*

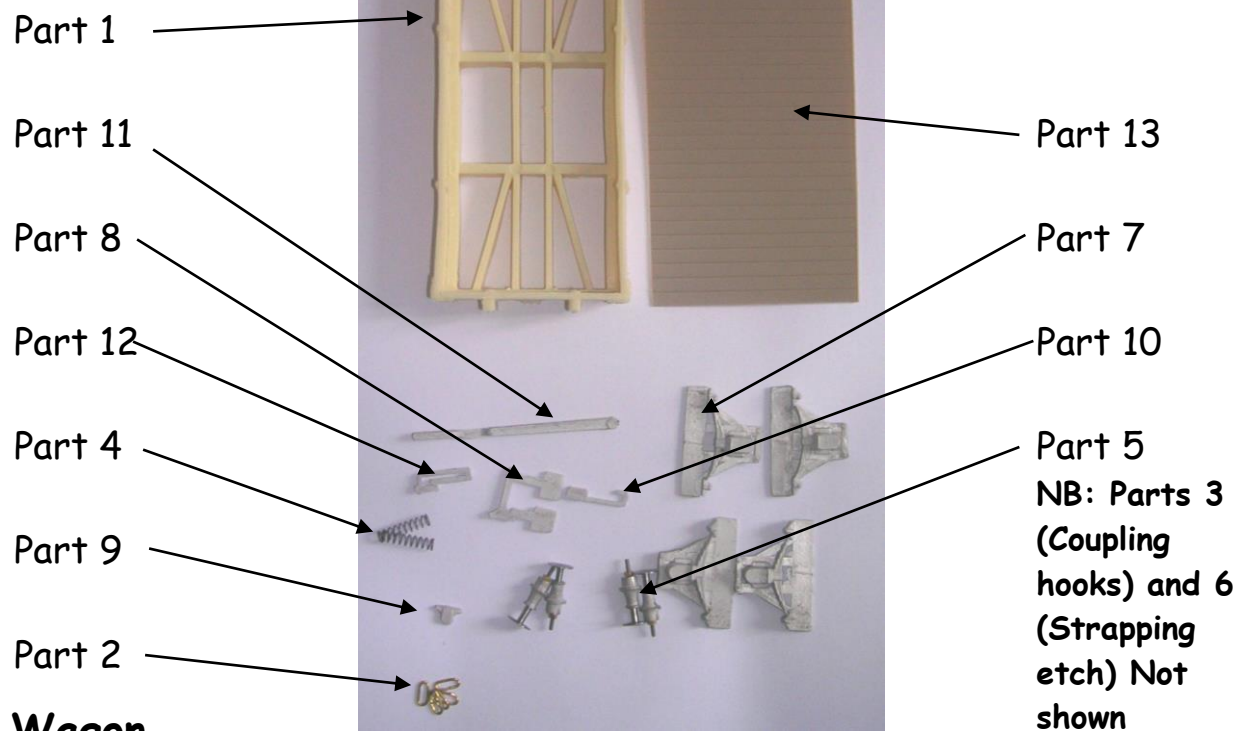
**NBR/LNER 8ton 4PLK**

**General Merchandise Wagon**

Wheels, paint and transfers required to complete.

Please note that to aid the folding of the various parts score all the halfetched foldlines that are to be folded.

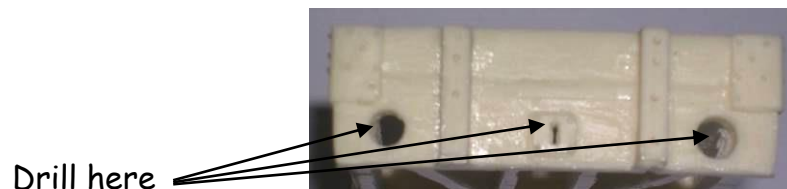
## **The Parts.**



## **Wagon**

### **Construction.**

1. Clean up the wagon body (part 1) by removing any excess material.
2. Drill out the holes, both ends, for the buffers and coupling hooks as shown.



3. Next, assemble the links (part 2) on to the coupling hook (part 3) and push through the slot. Now push the spring (part 4) over the

back of the back of the coupling hook and bend the tags over to secure the spring in place. Then fix the four buffers (part 5) into the holes in the buffer beam using two part epoxy. As shown. Repeat for the other end.



4. Next punch out the rivets on the strapping etch (part

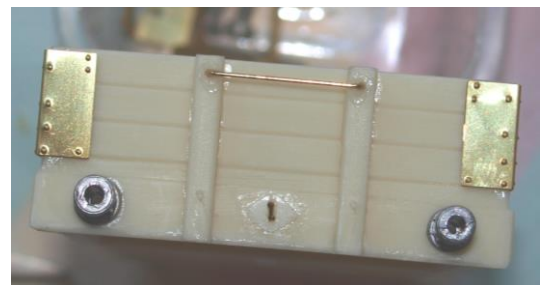


6) and glue to the wagon as shown. Note there is enough strapping to build either the fixed side, drop side or the centre door version of this wagon.

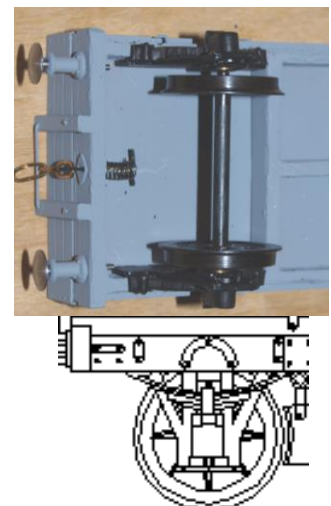
5. Once secure drill out the holes in the horse hook reinforcing plate. Then bend up some wire in to L's and push in to the holes as shown.



6. Next drill the out the top reverts on the ends and bend up some of the wire to form a hand rail as shown.

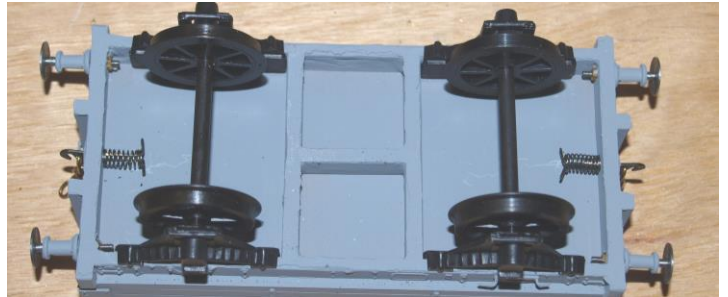


7. Assemble a wheel set, 2 x W-iron's (part 7), 2 x bearing's and 1 x wheel/axle unit, do not glue the bearings into the W-irons. Again using two-part



epoxy resin, glue the assembled wheel set onto the sole-bars so that they are square and line up with the rivets as shown on the drawing.

8. Repeat for the other wheel set. Use a straight edge across the back of the wheels to aid getting these parallel and square to the chassis.

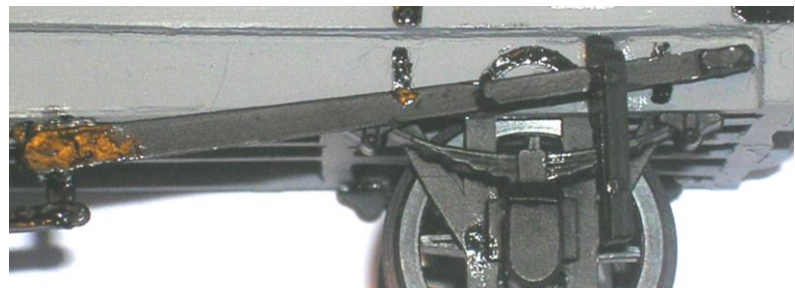


9. Glue the brake gear pivot (part 9) on to one side of the wagon only as shown. Then glue the brake block (part 8) to the inside of the sole-



bar as shown making sure that the brake block does not foul the wheels. Then attach the pull rod support bar (Part 10).

10. Next fix the brake lever (part 11) and ratchet casting (part 12) to the sole-bar



and to the out side of the brake gear pivot as shown.

11. Finally cut to size and fit the strip of embossed plastikard (part 13) to form the floor. You are now ready to paint the model in the livery of your choice.



## History of the Wagon

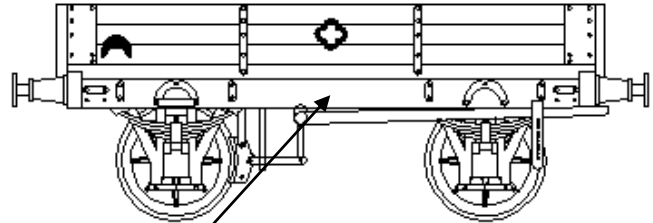
This kit represents the standard North British Railway 4 plank fixed sided open wagon. They were built between 1880 and 1899 and came from various suppliers including the railway company's own works.

The wagons were rated at 8 tons and mainly used to transport general merchandise around the North British's system. However wagons of this type were photographed as far away as northern Scotland and south west England.

The only wagon number known is 3629 by the North British Railway. Some of the wagons were absorbed into the LNER but only a few would have been in service by 1930. These would have been renumbered by adding 70,000 to the original number. In North British Railway days the wagons would have been painted grey and in some cases the iron work would have been picked out in black. Originally these wagons would have had a small symbol in the centre and the wagon's number painted on a cast plate on the sole-bar. This would have been changed to large 'N' on the left hand side, large 'B' on the right hand side with the a symbol remaining in the centre and the wagon's number painted on a cast plate on the sole-bar. The wagons would have been repainted grey from 1923 to 1935.

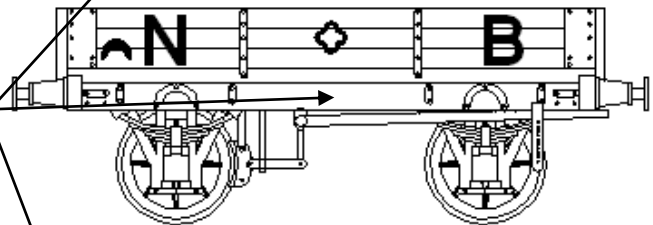
## Liveries

North British Railway  
Early Livery

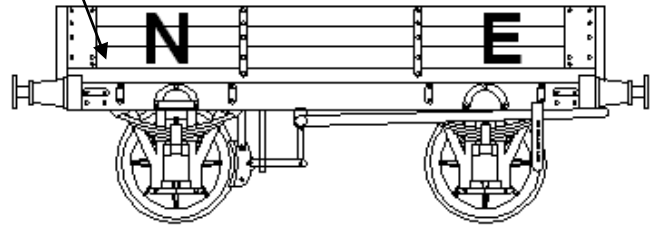


North British Railway  
Late Livery

Numbers



LNER early Livery  
Circ 1923-36



# *Furness Railway Wagon Co.*

## **NBR/LNER 8ton 4PLK General Merchandise Wagon**

1. Construction Manual,
2. One wagon body casting (resin),
3. One brass strapping etch,
4. One brake block casting,
5. One brake pivot casting,
6. One brake lever ratchet casting,
7. One brake lever casting,
8. Four W-iron/axle box castings,
9. Four buffer assemblies,
10. Two coupling hook springs,
11. Six coupling hook links,
12. One set of etched coupling hooks.
13. Wire

We recommend Haywood Railway's 3'1" split/closed spoke wheels.

Transfers are available on the HMRS Scottish pre-grouping sheet.