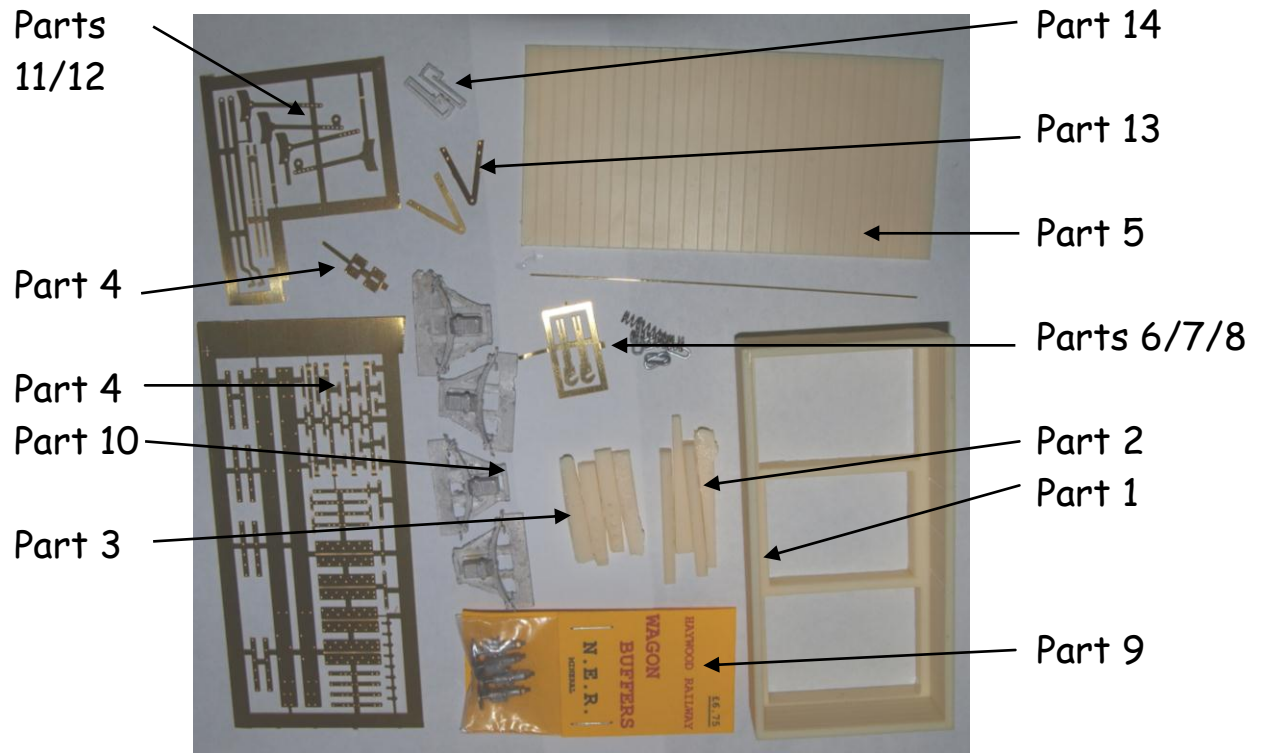


Furness Railway Wagon Co.

NER/LNER/BR Q1 Loco Coal/High Goods Wagon

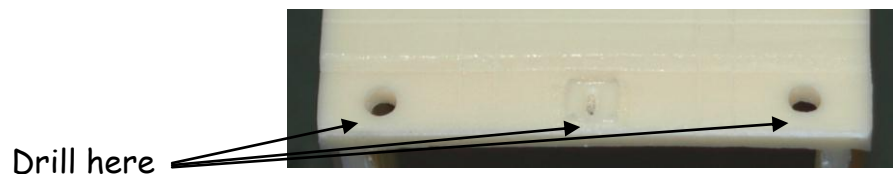
Wheels, paint and transfers required to complete.

The Parts.

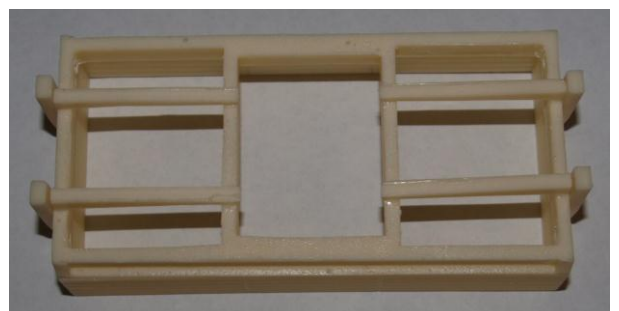


Wagon Construction.

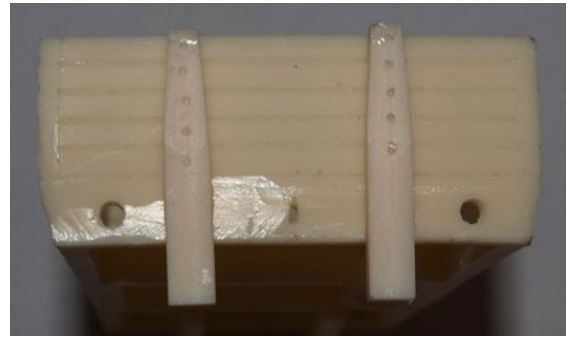
1. Clean up the wagon body (part 1) by removing any excess material.
2. Drill out the holes, both ends, for the buffers and coupling hooks as shown.



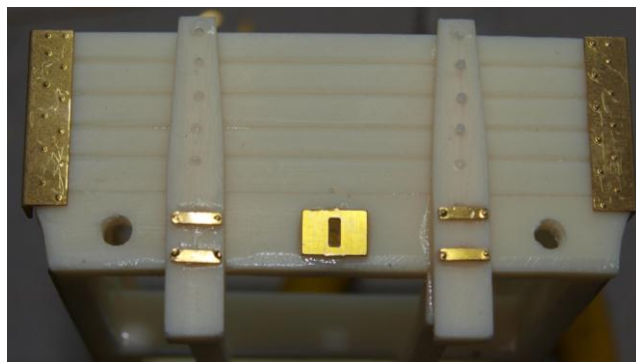
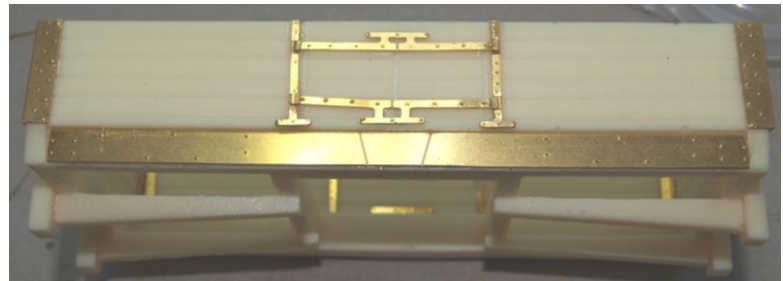
3. Attach the end beams (part 2) and end beam supports (part 3) as



shown. Also, it is a good idea to set the distance apart using a wheel set to get the correct clearance.



4. Fit the etched strapping (part 4), as shown. Care is required not to get too much glue on the strapping as this could cover the strapping.



5. Next trim and fit the floor (part 5)

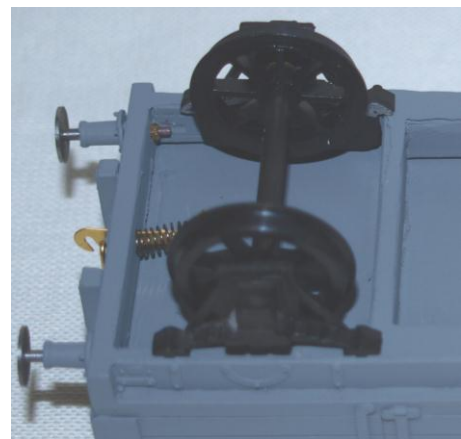
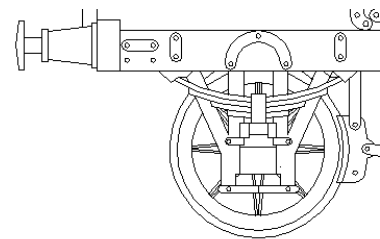


6. Next, assemble the links (part 6) on to the coupling hook (part 7) and push it through the slot. Now push the spring (part 8) over the

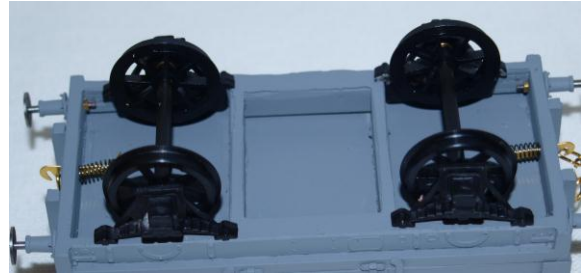


back of the back of the coupling hook and bend the tags over to secure the spring in place. Repeat for the other hook. Now fix the four buffers (part 9) then into the holes in the buffer beam using two part epoxy, as shown. Repeat for the other end.

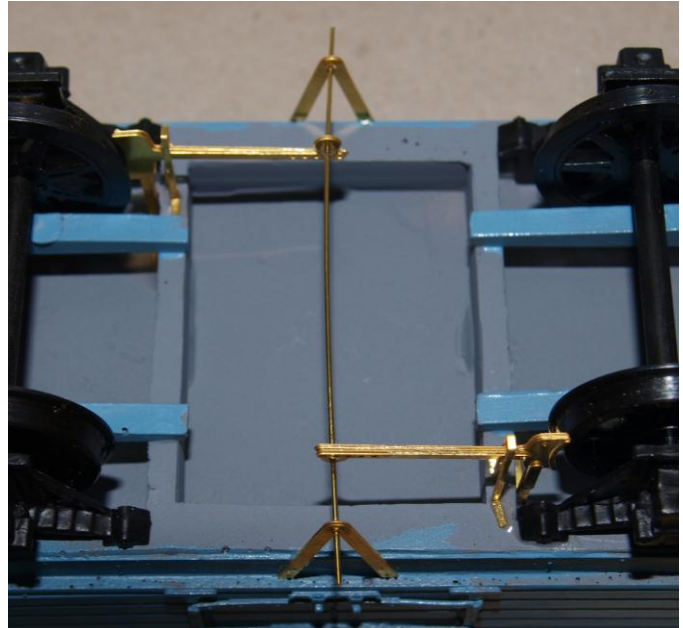
7. Assemble a wheel set consisting of: 2 x W-iron's (part 10), 2 x bearing's and 1 x wheel/axle unit, do not glue the bearings into the W-irons at this stage. Again using two-part epoxy resin, glue the assembled wheel set onto the sole-bars so that they are square and line up with the crown plates as 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 (part 11/12) together onto only the both sides of the wagon, as shown. Then glue the outside V-hanger (part 13), into position on the sole-bar.



10. Fix brake lever and ratchet casting (part 14) to the outside V-hanger as shown.



11. Now you are ready to paint your model in the livery of you choice.



History of the Wagon

These wagons were built in batches by the NER, between 1880 and 1900, for the sole purpose of delivering locomotive coal to the company's locomotive depots. As larger capacity wagons were built for this purpose the smaller capacity Q1 wagons were, on the whole, surplus to requirement.

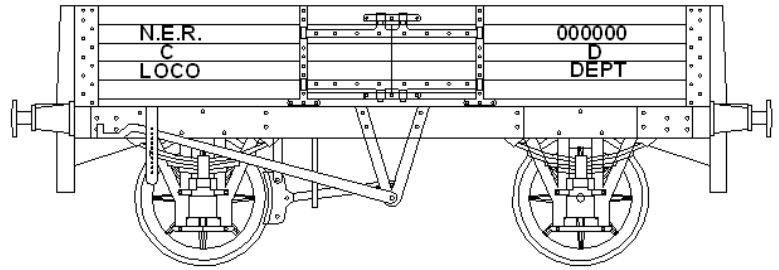
Most of the Q1's were still not even 10 years old so the NER put them to work as "High goods" wagons a role that they were well suited. Later in life these wagons came back into service stock and again they were replaced by larger capacity wagons.

A large number of these wagons passed to the LNER in 1923 a few were still in service as loco coal wagons but the majority were in the high goods role. By 1947 there were only 2 of these wagons left in departmental stock.

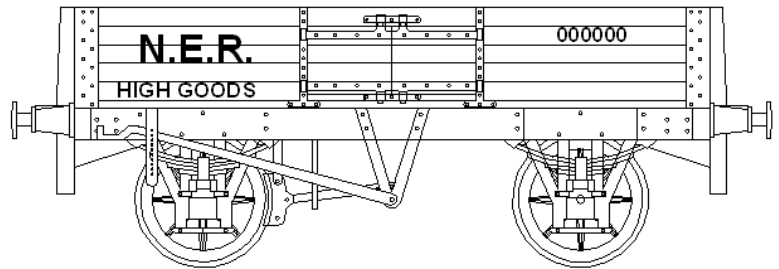
When new these wagons would have been painted light blue, with white letters shaded black, to distinguish them from the mineral wagon fleet. When transferred to the goods fleet they would have been repainted NER wagon grey and labelled "HIGH GOODS". This would have been the same livery carried after 1923 or until they re-entered service stock when they would have reverted back to the light blue livery.

Liveries

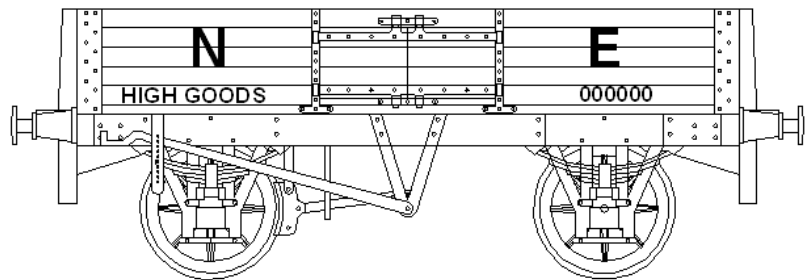
NER Loco coal
Livery Circ 1898



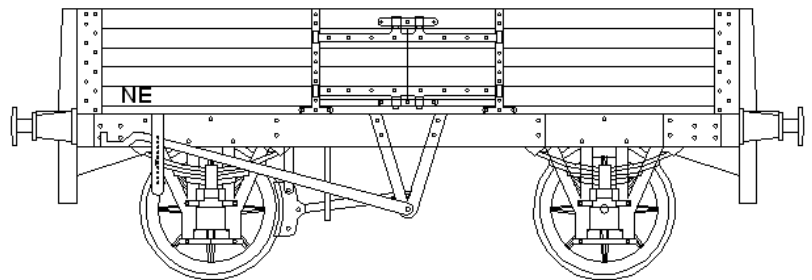
NER High Goods
Livery Circ
1905-10



NER/LNER Livery
Circ 1910-36



LNER Livery Circ
1936-47



Furness Railway Wagon Co.

NER/LNER/BR Q1 Loco Coal/High Goods Wagon

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

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

Transfers are available from POWSides, Slater's Plastikard