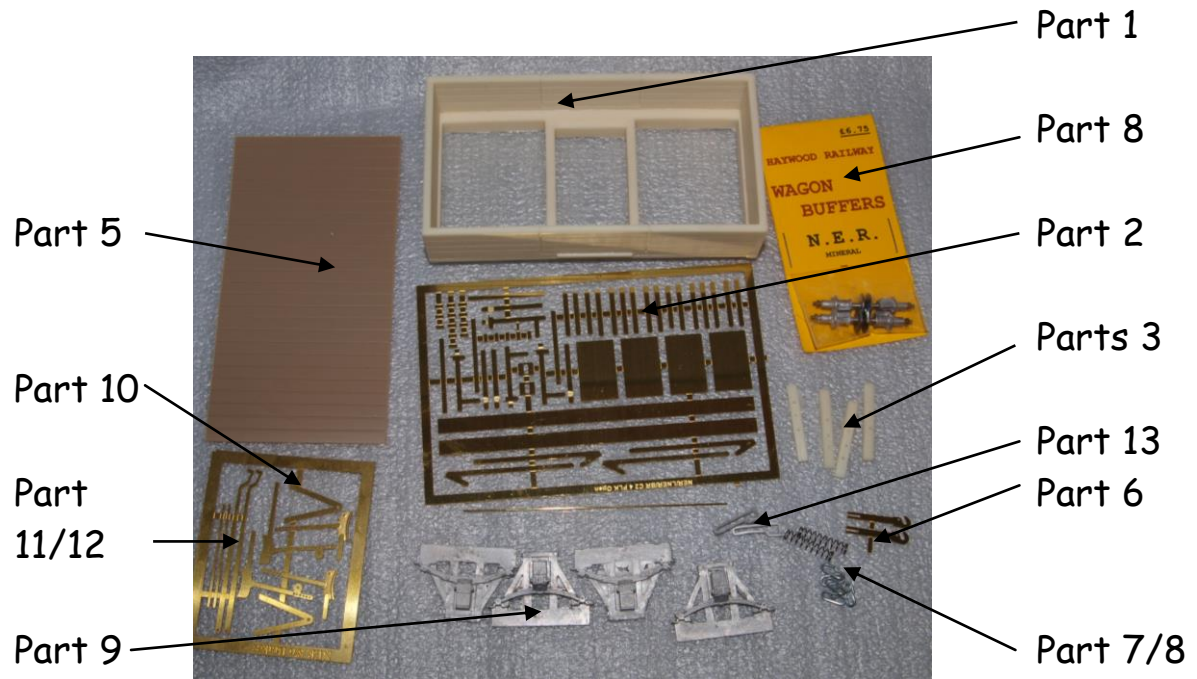


# Furness Railway Wagon Co.

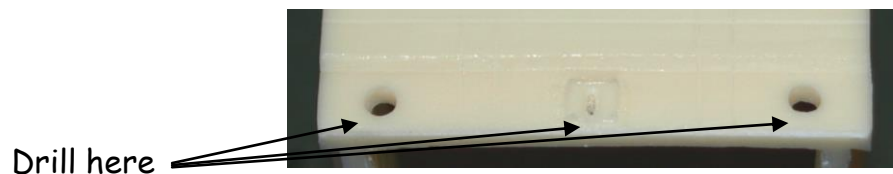
NER/LNER/BR Open Goods Wagon  
Wheels, paint and transfers required to complete.

## The Parts.



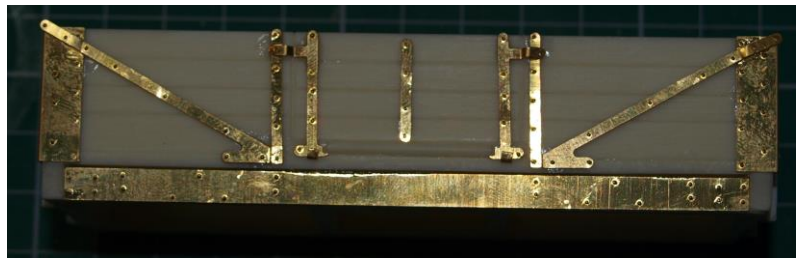
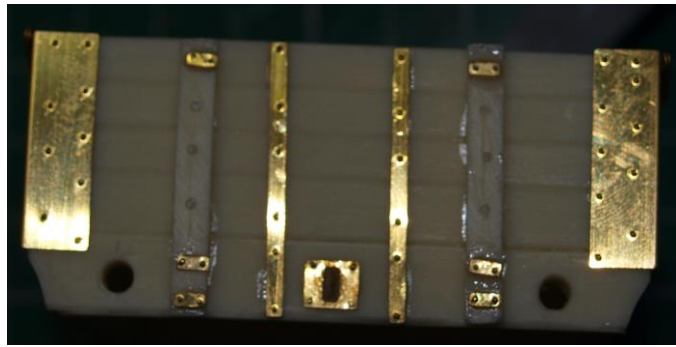
## Wagon Construction.

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.

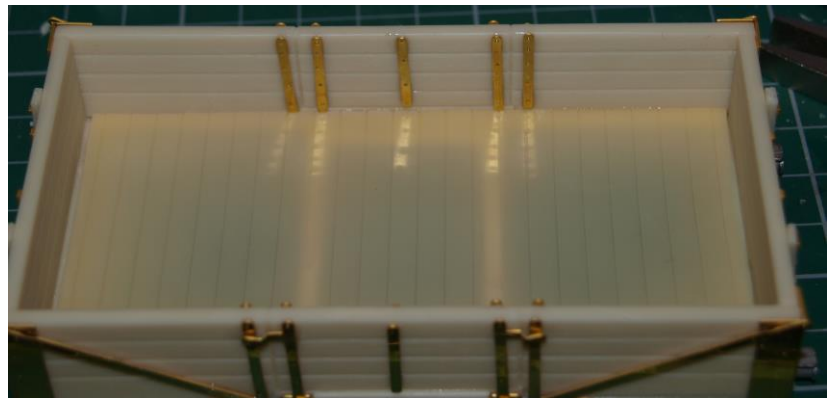


3. Fit the etched strapping (part 2) and the end supports (part 3), as shown. Care is required not to get too much glue on the strapping as this could cover the strapping. Later builds and rebuilds had

diagonal strapping  
fitted as shown All  
8ton wagon were built  
with out this.



4. Next trim and fit  
the floor (part 4)

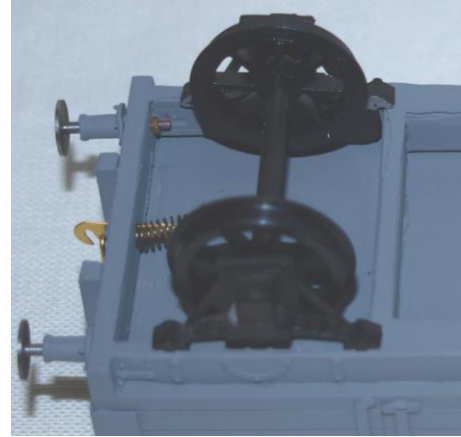
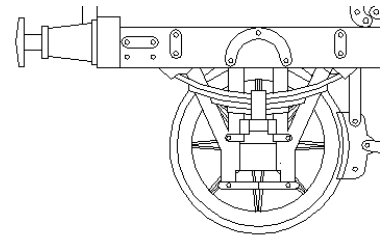


5. Next, assemble  
the links (part 5)  
on to the coupling  
hook (part 6) and  
push it through  
the slot. Now



push the spring (part 7) 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 8) then into  
the holes in the buffer beam using two part epoxy, as shown.  
Repeat for the other end.

6. Assemble a wheel set consisting of: 2 x W-iron's (part 9), 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.



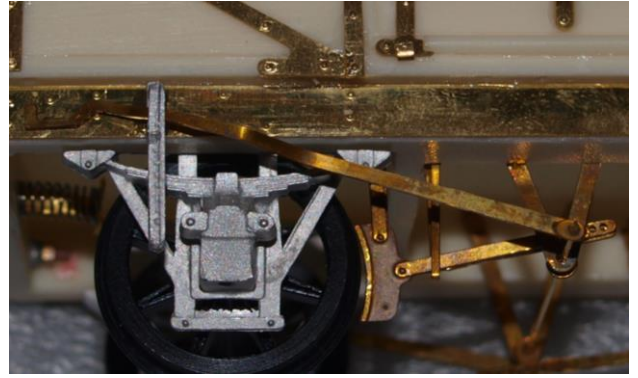
7. Repeat for the other wheel set. Use a straight edge across the back of the wheels to aid getting these parallel and square to the chassis.



8. Glue the brake gear (part 10/11) together onto only the both sides of the wagon, as shown. Then glue the V-hanger (part 12), into position on the sole-bar.



9. Fix brake lever and ratchet casting (part 13) to the outside V-hanger as shown.



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



## History of the Wagon

These wagons were built in batches by the NER, between 1886 and 1900, for the sole purpose of delivering general goods..

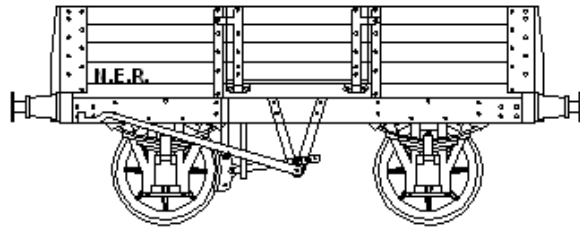
Later in life these wagons came into service stock as they were replaced by larger capacity wagons.

A large number of these wagon 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.

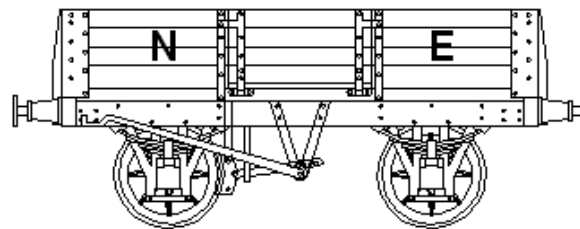
When new these wagons would have been painted light grey, with white letters shaded black. After 1903 repainted NER dark wagon grey. This would have been the same livery carried after 1923 or until they re-entered service stock when they would have been painted light blue.

## Liveries

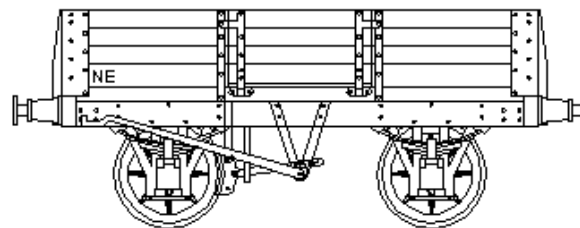
NER Livery Circ  
1898



NER/LNER Livery  
Circ 1910-36



LNER Livery Circ  
1936-47



# Furness Railway Wagon Co.

## NER/LNER/BR C2 Open Goods Wagon

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

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

Transfers are available from POWSides, Slater's Plastikard