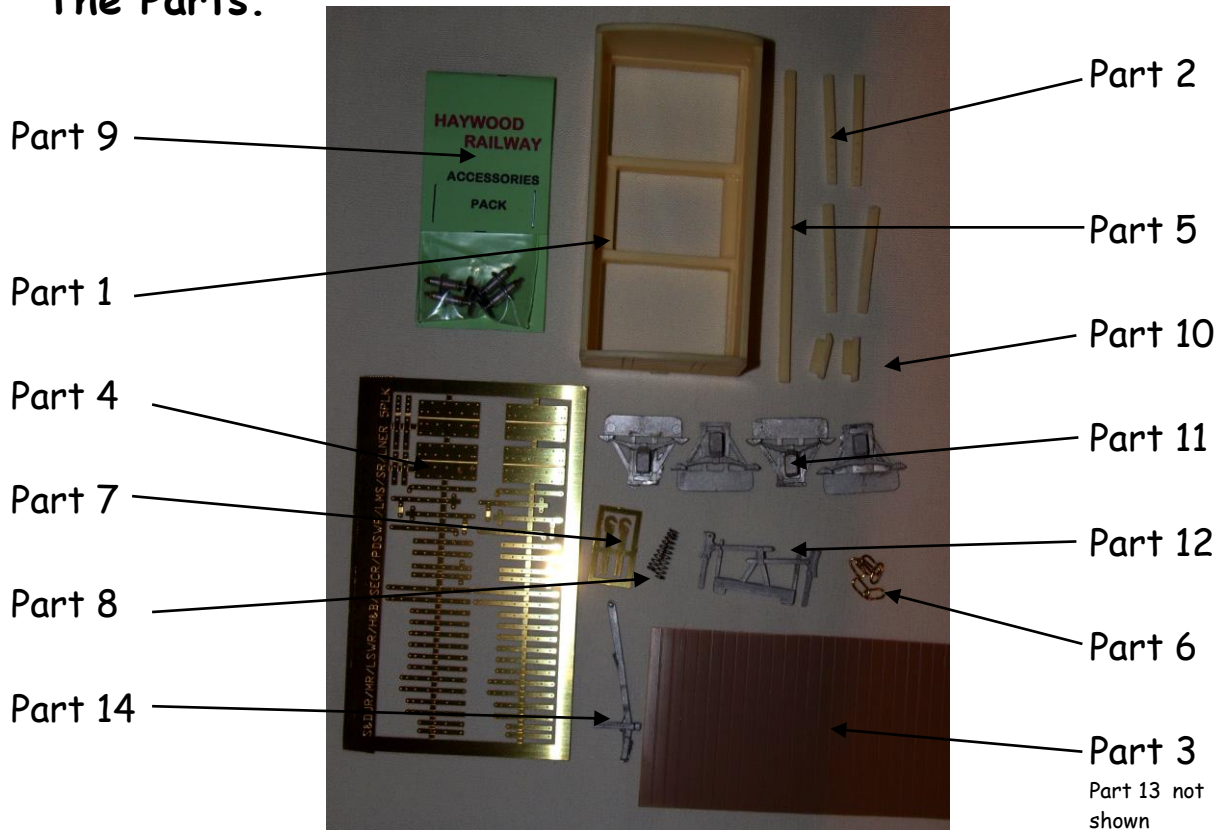


Furness Railway Wagon Co.

Lincoln Wagon Works PO 4plk Wagon

Wheels, paint and transfers required to complete.

The Parts.



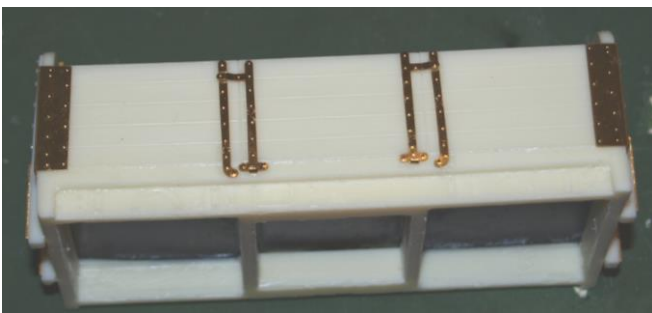
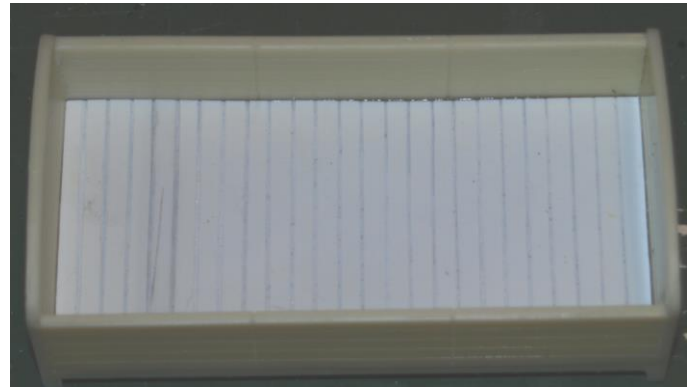
Wagon Construction.

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.



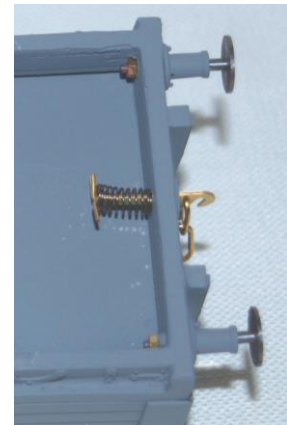
3. Attach the end support castings (part 2). Then cut the bottoms of the end supports until they are flush with the buffer beam.

4. Next clean up and fit the floor (part 3).

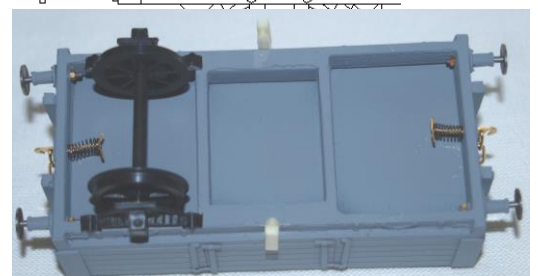
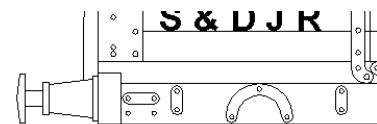


5. Fit the etched strapping (part 8), as shown. Care is required not to get too much glue on the strapping as this could cover the strapping.

6. Next, assemble the links (part 9) on to the coupling hook (part 10) and push through the slot. Now push the spring (part 11) 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 12) into the holes in the buffer beam, as shown, using two part epoxy. Repeat for the other end.

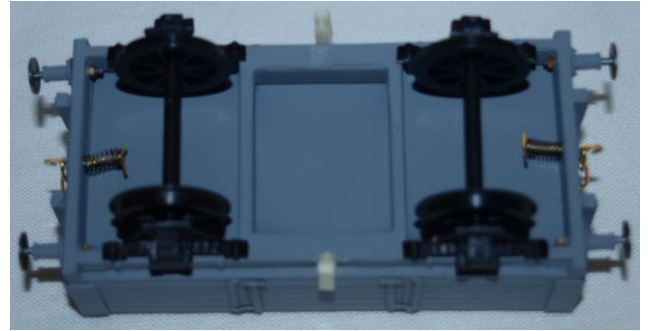


7. Assemble a wheel set consisting of: 2 x W-iron's (part 13), 2 x bearing's and 1 x wheel/axle unit, do not glue the bearings

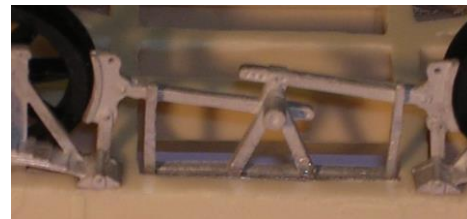


into the W-irons. Again using two-part epoxy resin, glue the assembled wheel set onto the sole-bars so that they are square and line up with the crown plates as shown on the drawing.

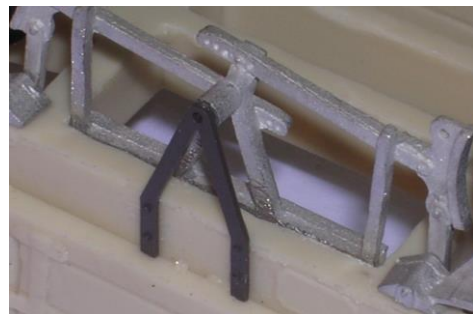
8. Repeat for the other wheel set.
Use a straight edge across the back of the wheels to aid getting these parallel and square to the chassis.



9. Glue the brake gear (part 13) onto only the one side of the wagon, as shown.



10. Then glue the outside V-hanger (part 14), into position on the sole-bar and to the spigot of the brake gear casting.



11. Fix the brake lever and ratchet casting (part 15), to the sole-bar and to the out side V-hanger as shown.

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



History of the Wagon

These wagons represent a standard 4 plank wagon design produced by the Lincoln Wagon and Engine Co from about 1890. These wagons were built for the private owner market and would have been a common sight across the UK including the area of England controlled by the NER. Each company would have had their own livery and the wagons were registered to a number of different railway companies across the UK. It is not known if any of these wagons were pooled during world war 2 but it is very likely that some were. If any of these wagon were nationalised they would have probably been scrapped before 1950.

Furness Railway Wagon Co.

Lincoln Wagon Works PO 4plk Wagon

1. Construction Manual,
2. One wagon body casting (resin),
3. One wagon floor (Plasticard),
4. One brake gear castings,
5. One long brake lever casting,
6. Four W-iron/axle box castings,
7. Eight post castings.
8. Two end extension castings
9. Eight rave castings
10. One rave spacing jig,
11. One etched 'V' Hanger,
12. Four buffer assemblies,
13. Two coupling hook springs,
14. Six coupling hook links,
15. One set of etched coupling hooks,
16. Two door stop castings.

We recommend Haywood Railway's 3'1" spoked wheels.
Transfers are available from POWsides.