

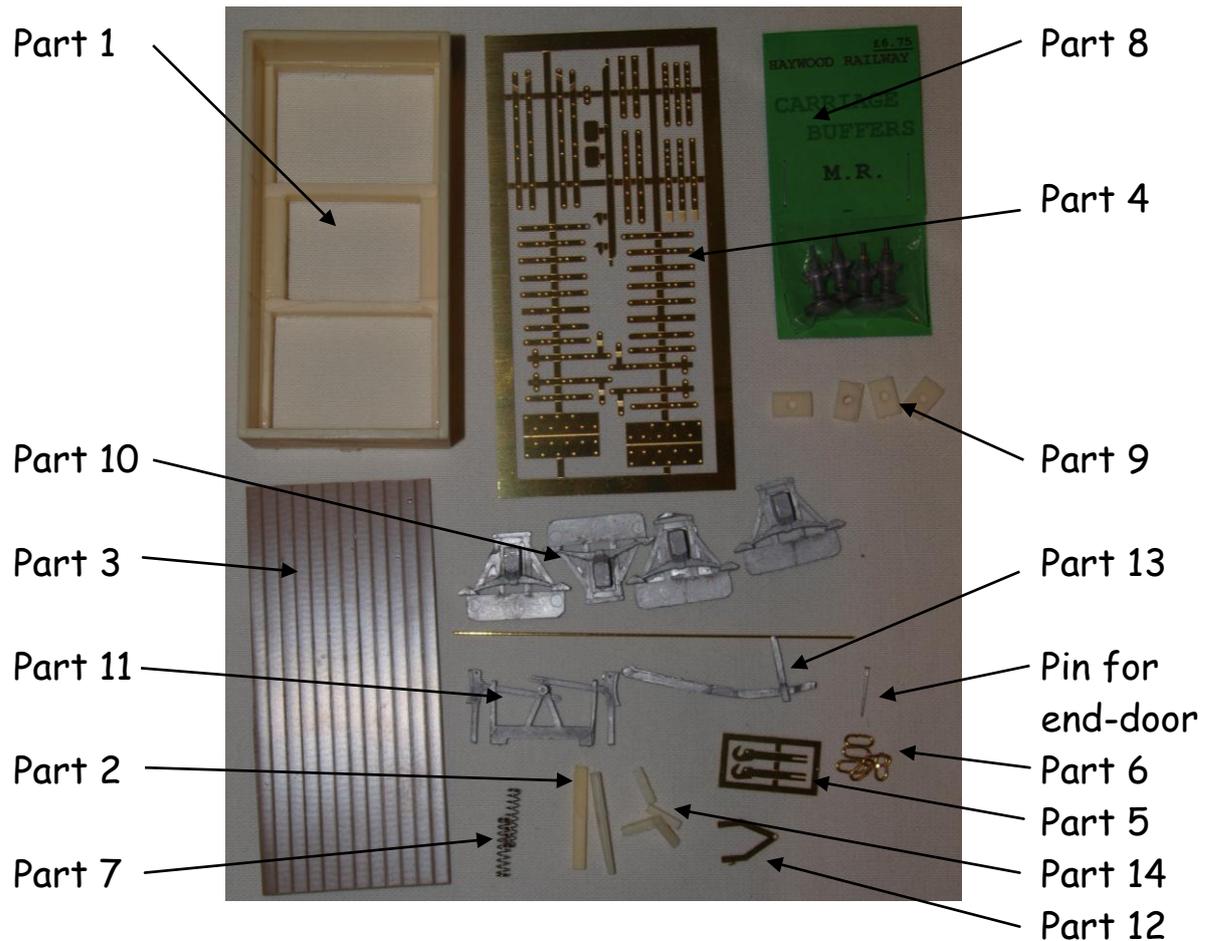
Furness Railway Wagon Co.

3 Plank China Clay

Wagon

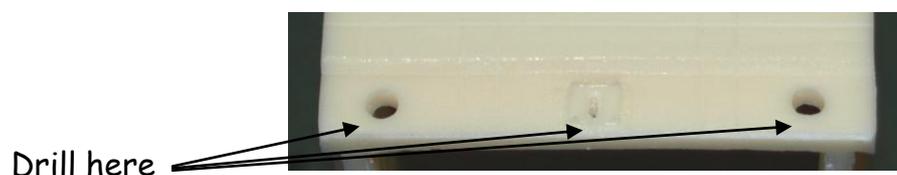
Wheels, paint and transfers required to complete.

The Parts.

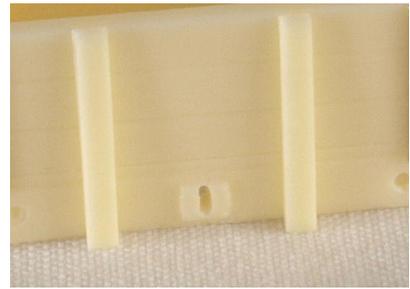


Wagon Construction.

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.



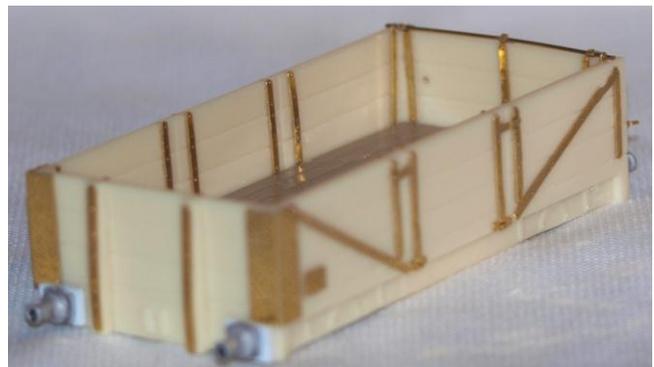
3. Attach the end support castings (part 2).



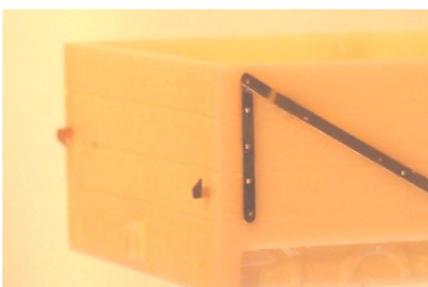
4. Next clean up and fit the floor (part 3).



5. 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.

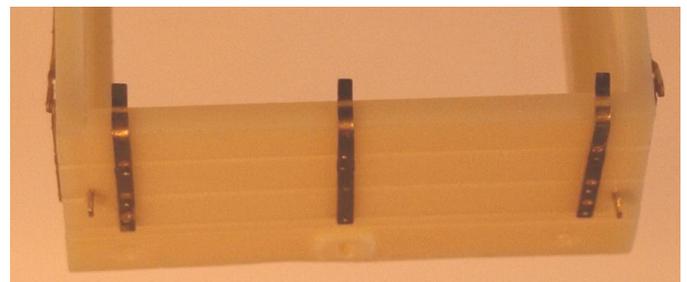


For Details of the end door see below.

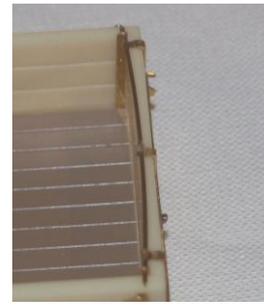


Drill out hole for the end door pivot bar

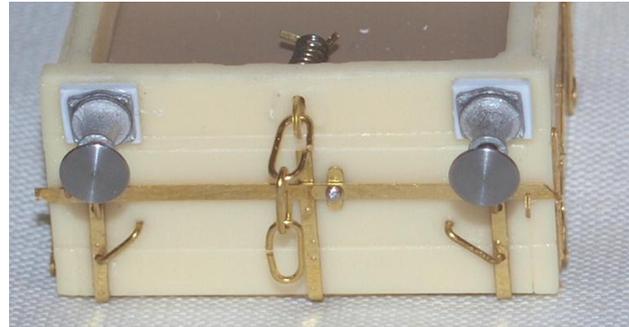
Drill two holes either side of the junction of the bottom two planks. Then fit the hinges bending them back over the end.



Fit the wire across the hinges and bend back the ends of the hinges so they cover the wire.

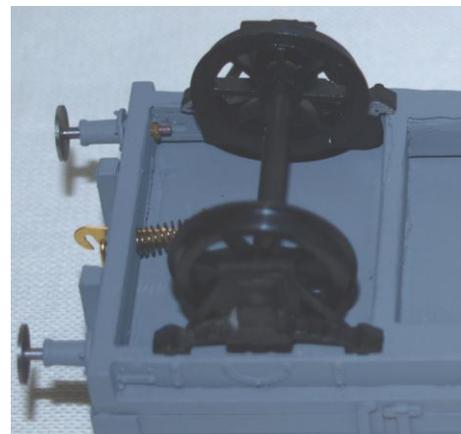
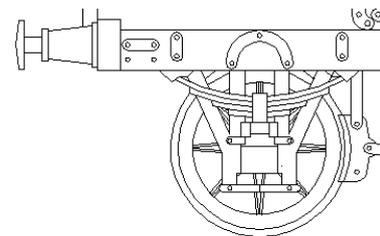


6. Next, assemble the links (part 5) on to the coupling hook (part 6) and push through the slot. Now push the spring (part 7) over the back of the back of the



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) into their cast buffer plates (part 9) and then into the holes in the buffer beam using two part epoxy, as shown. Repeat for the other end.

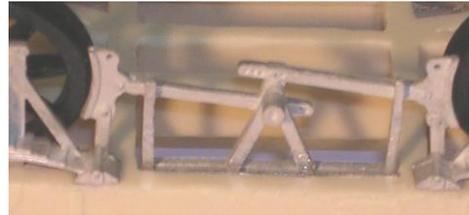
7. Assemble a wheel set consisting of: 2 x W-iron's (part 10), 2 x bearing's and 1 x wheel/axle unit, do not glue the bearings into the W-irons at this stage. Again using two-part epoxy resin, glue the assembled wheel set onto the sole-bars so that they are square and line up with the crown plates as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



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

11. Next fit the doorstops (part 14), one under each hinge of the centre door. One will need an angle filed on it so that it does not foul the brake lever.



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



History of the Wagon

Very little is known about these wagons the only photograph that exists of these wagons showing 3 wagons at the North and Rose's Dryer in St. Austell in Cornwall. It is thought that they were built around 1900 and there for would have been withdrawn from service about 1945.

China Clay is used in a lot of industrial processes from Pottery, dye manufacture and paper making . These wagons would have gone all over the UK supplying China Clay and China Stone. North and Rose eventually was became part of English China Clay and therefore the wagons would have been repainted their livery.

Furness Railway Wagon Co.

3 Plank China Clay Wagon

1. Construction Manual,
2. One wagon body casting (resin),
3. One wagon floor casting (Plasticcard),
4. Strapping Etch
5. One brake gear castings,
6. One brake lever casting,
7. Four W-iron/axle box castings,
8. One etched 'V' Hanger,
9. Four buffer assemblies,
10. Two coupling hook springs,
11. Four buffer blocks
12. Four doors stops
13. Six coupling hook links,
14. One set of etched coupling hooks,
15. One piece of brass wire.

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

Transfers are available from POWSides