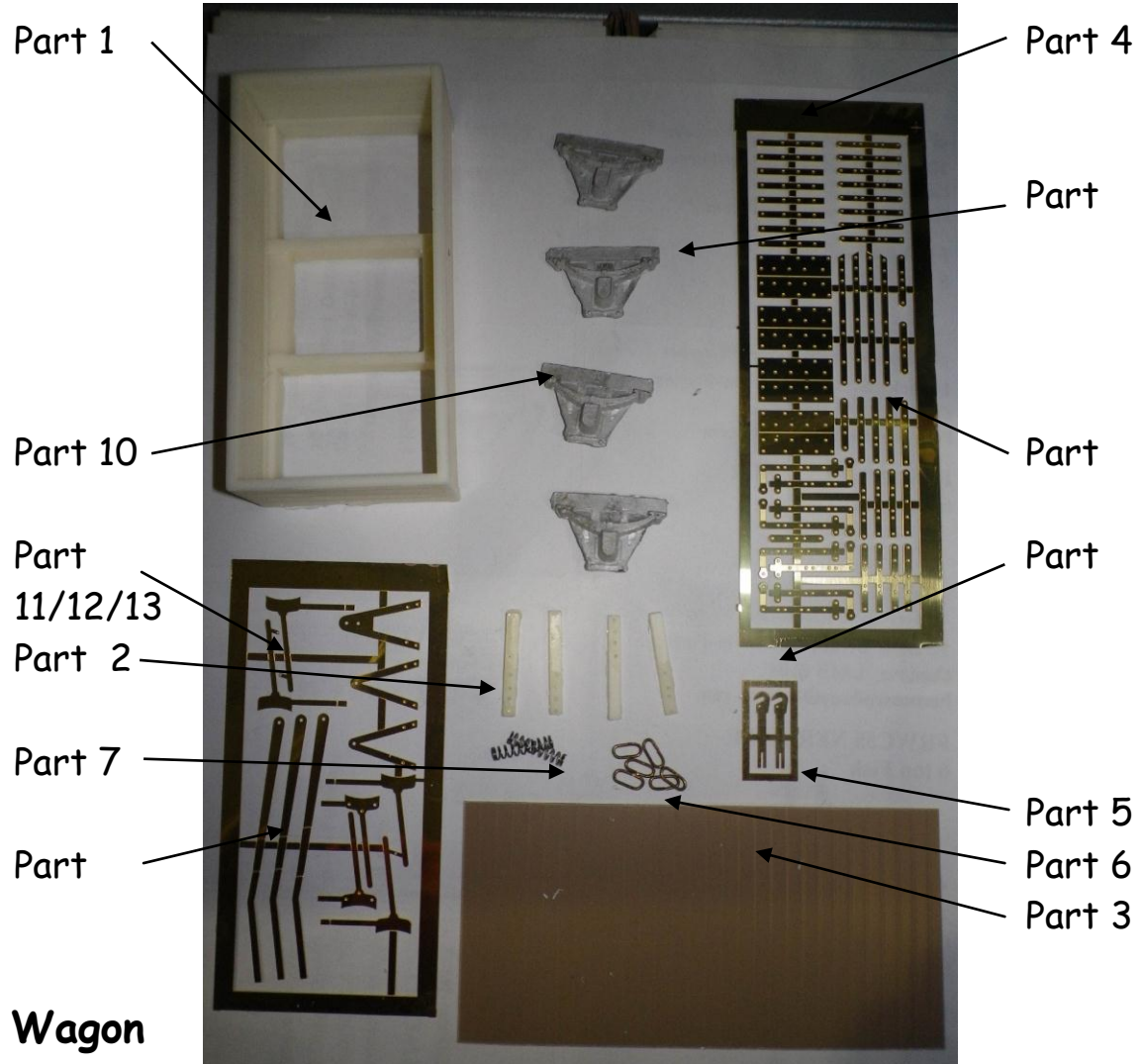


# Furness Railway Wagon Co.

## LYR/LMS 3 Plank Wagon

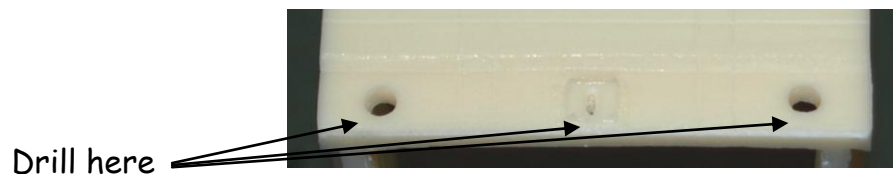
Wheels, paint and transfers required to complete.

### The Parts.



### Construction.

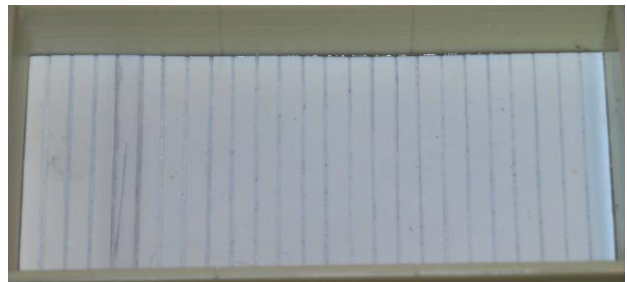
1. Clean up the wagon body (part 1) by removing any excess material.
2. Drill out the holes, both ends, for the buffers and coupling hooks as shown.



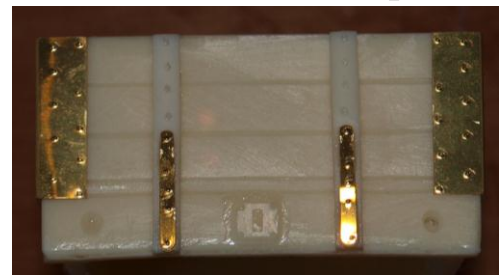
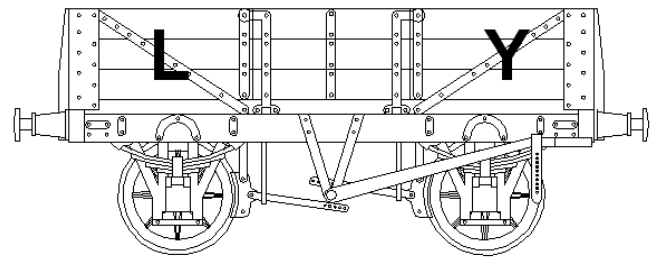
3. Attach the end support castings (part 2).



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.

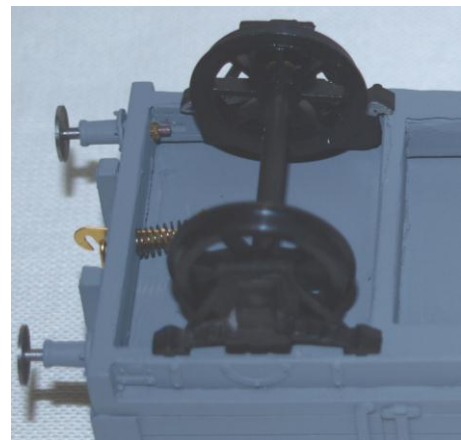
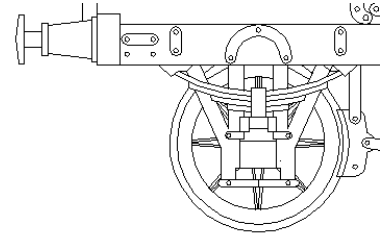


6. Next, assemble the links (part 5) on to the coupling hook (part 6) and push through the slot. Now push the spring (part 7) over the back of the back of the coupling hook and bend the tags over to secure the spring in place. Repeat for the other



hook. Now fix the four buffers (part 8) then into the holes in the buffer beam using two part epoxy, as shown. Repeat for the other end.

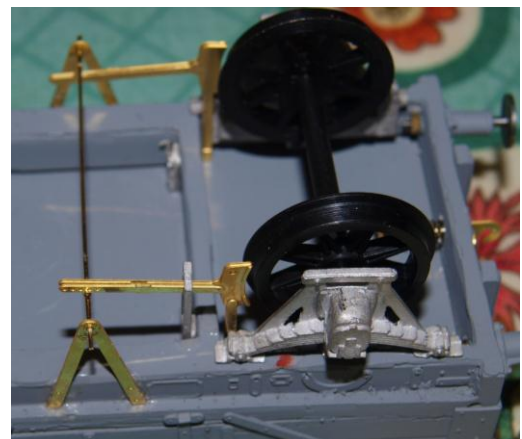
7. Assemble a wheel set consisting of: 2 x W-iron's (part 10), 2 x bearing's and 1 x wheel/axle unit, do not glue the bearings into the W-irons at this stage. Again using two-part epoxy resin, glue the assembled wheel set onto the sole-bars so that they are square and line up with the crown plates as shown on the drawing.



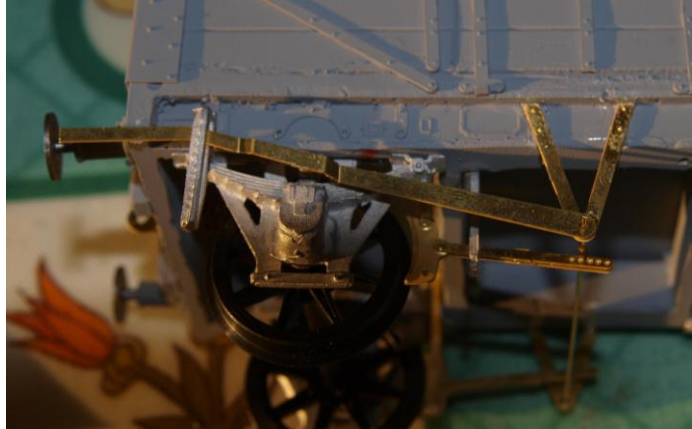
8. Repeat for the other wheel set. Use a straight edge across the back of the wheels to aid getting these parallel and square to the chassis.



9. Glue the brake gear (part 11/12) together onto only the one side of the wagon, as shown. Then glue the outside V-hanger (part 13), into position on the sole-bar and to the spigot of the brake gear casting.



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 your choice.



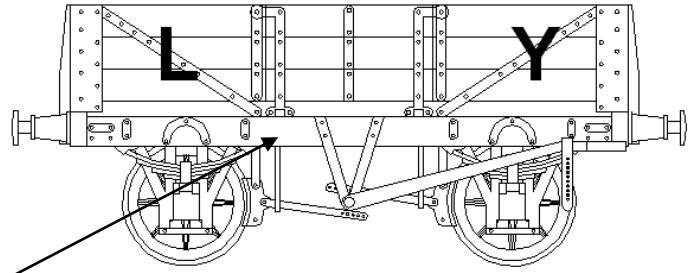
## **History of the Wagon**

These wagons were built by the Lancashire and Yorkshire railway between 1870 and 1902 in which time 1827 were built. Most of the later wagons would have been passed to the LMS in 1923 with one or two reaching BR in 1947.

These wagons were painted grey from 1870 to 1935, then painted bauxite from 1936 to 1948. In British Railways days, the wagons would have reverted to a shade of grey if painted at all. The iron work below the sole bars would have been painted black at all times. Some wagons had there iron work picked out in black but it is not known if this was just done for photography.

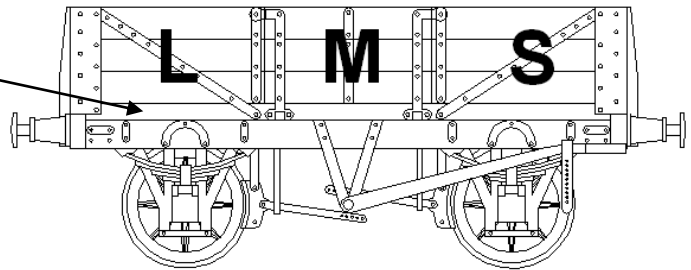
## Liveries

LYR Livery Circ  
1910



Numbers

LMS early Livery  
Circ 1923-36



# Furness Railway Wagon Co.

## LYR/LMS 3 Plank Wagon

1. Construction Manual,
2. One wagon body casting (resin),
3. One wagon floor casting (Plasticcard),
4. Strapping Etch
5. One brake gear 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