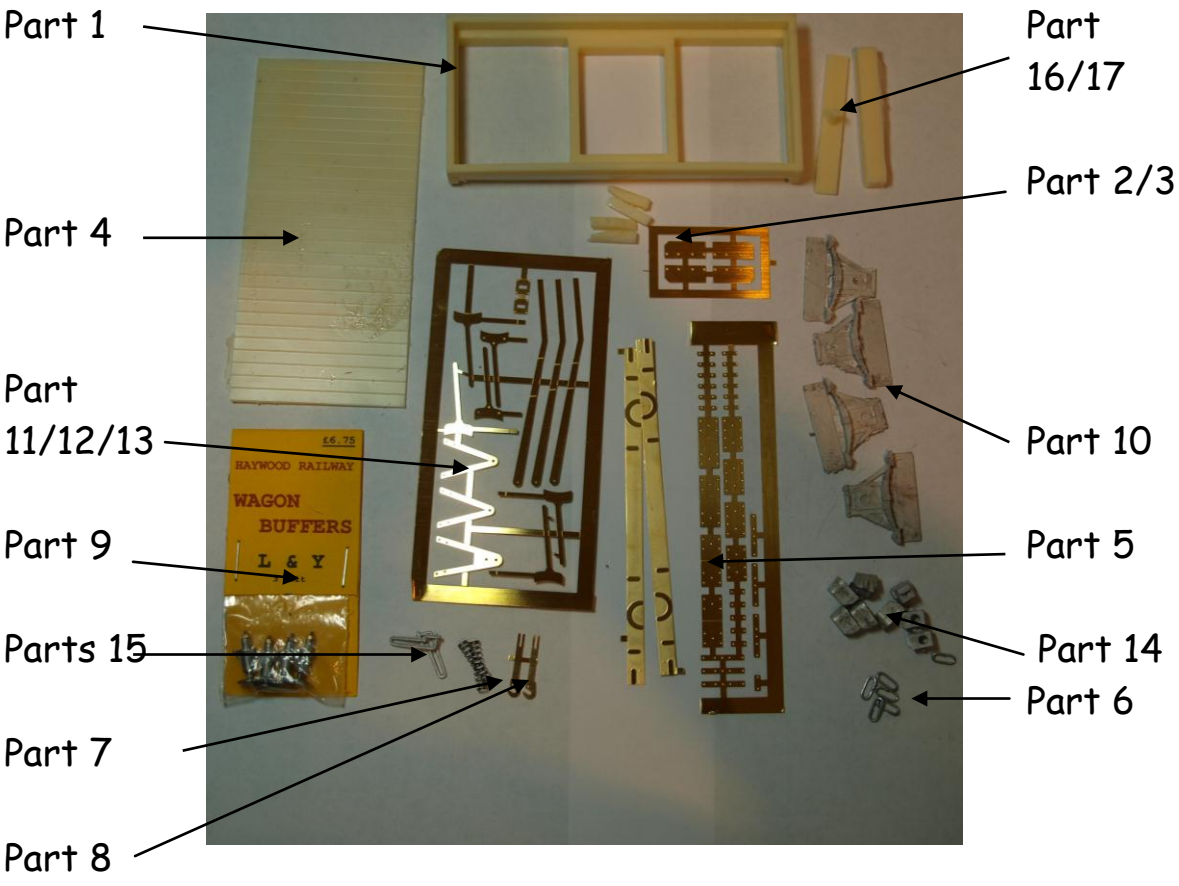
Furness Railway Wagon Co.

LYR/LMS/BR 1 Plank Wagon
LYR/LMS/BR Bolster Wagon

Wheels, paint and transfers required to complete.

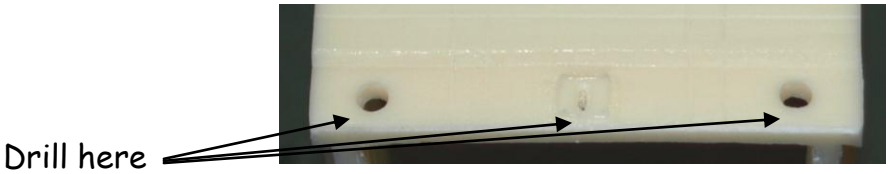
The Parts.



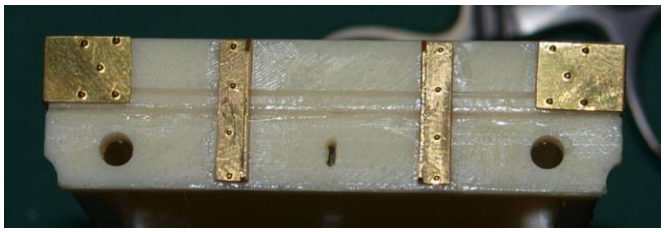
Wagon Construction.

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.

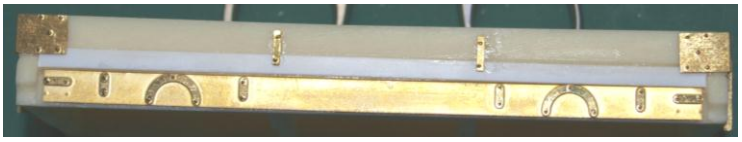


3. Attach the etched end supports (part2) (for wagons built after 1910) or castings (part 3) (for wagons built before 1910).

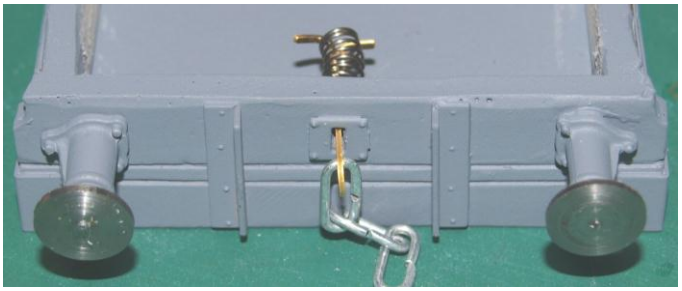


4. Next clean up and fit the floor (part 4).

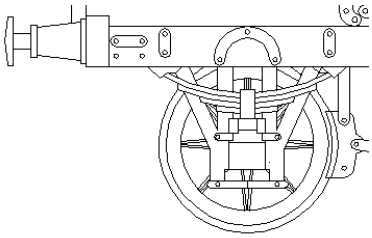
5. Fit the etched strapping (part 5), as shown. Care is required not to get to much glue on the strapping as this could cover the strapping.

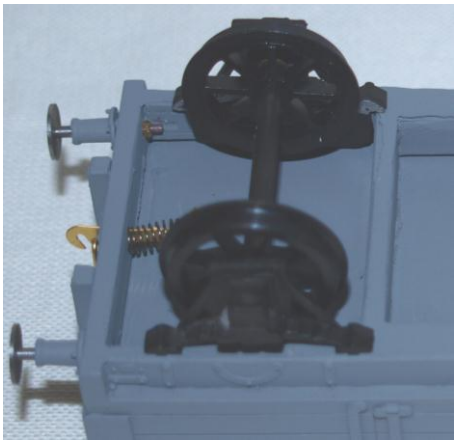


6. Next, assemble the links (part 6) on to the coupling hook (part 7) and push through the slot. Now push the spring (part 8) over the back of the back of the coupling hook and bend the tags over to secure the spring in place. Repeat for the other hook. Now fix the four buffers (part 9) then into the holes in the buffer beam using two part epoxy, as shown. Repeat for the other end.



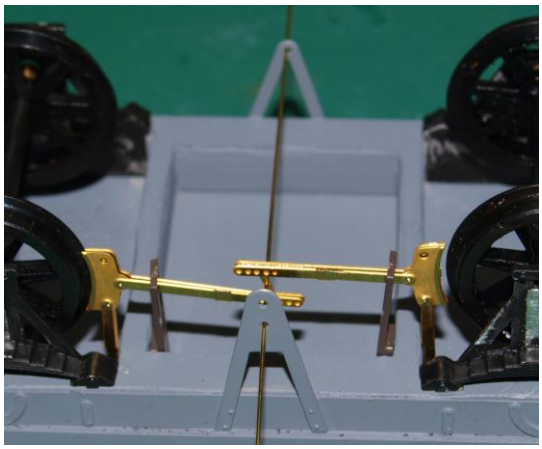
7. Assemble a wheel set consisting of: 2 x W-iron's (part 10), 2 x bearing's and 1 x wheel/axle unit, do not glue the bearings into the W-irons at this stage. Again using two-part epoxy resin, glue the assembled wheel set onto the sole-bars so that they are square and line up with the crown plates as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

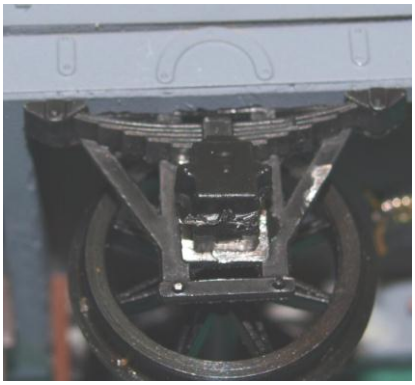




8. Repeat for the other wheel set. Use a straight edge across the back of the wheels to aid getting these parallel and square to the chassis.

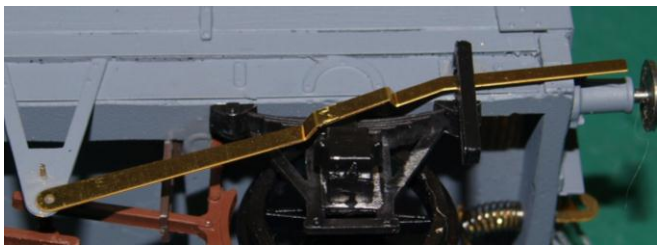
9. Glue the brake gear (part 11/12) together onto only the one side of the wagon, as shown. Then glue the outside V-hangers (part 13), into position on the sole-bar and to the spigot of the brake gear casting.





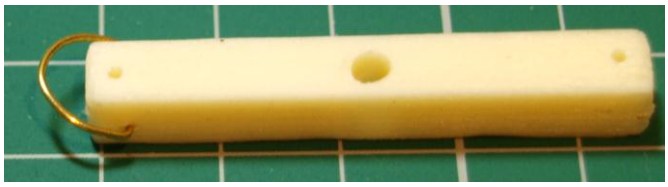
10. Next fit the axel box covers (past 14). There is a choice of early (round bottomed) and later oil.

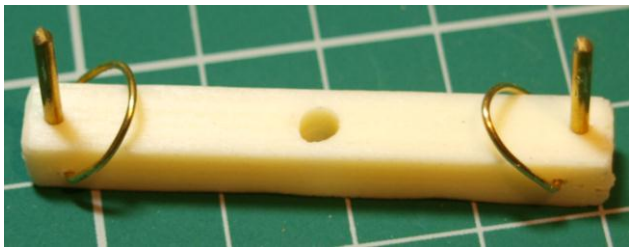
11. Fix brake lever and ratchet casting (part 15) to the outside V-hanger as shown. Repeat for the other side.



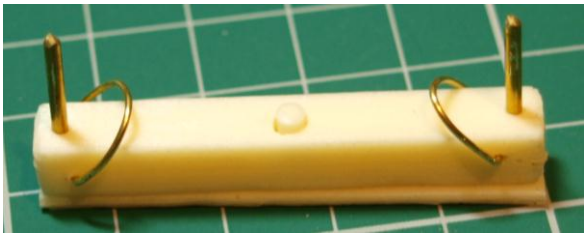
12. Next if you are building the diagram 32A bolster you will need to drill out the bolster (part16) so you can fit the bolster pivot (part17) and the wire.

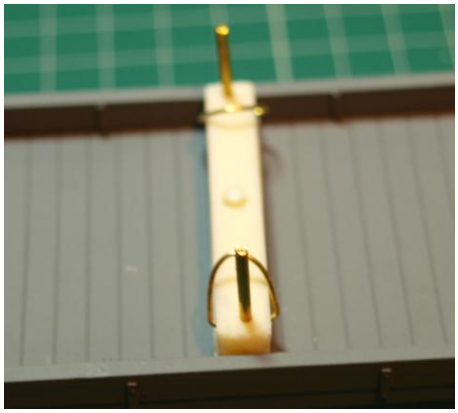
13. Next bend up two loops of wire and fit them into the bolster.



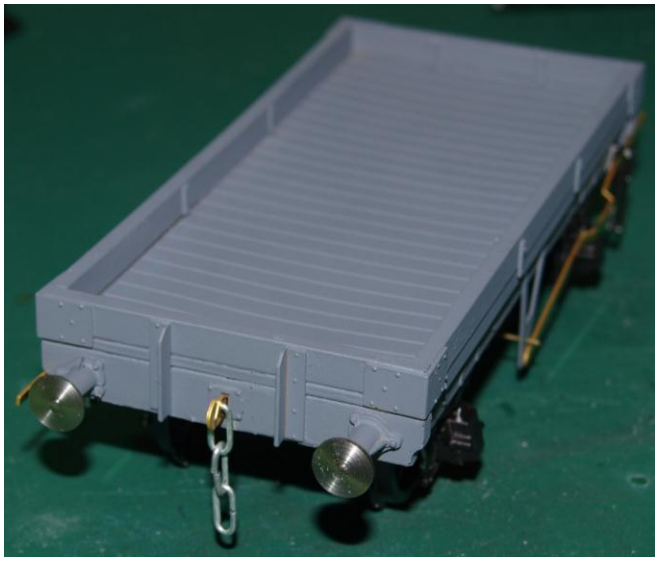


14. Next fit the bolster onto the pivot plate then fit to the assembly onto the wagon centrally.





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



History of the Wagon

Dia. 1. 1 Plank

These wagons were built by the Lancashire and Yorkshire railway between 1876 and 1920 in which time 8781 were built. Most of the later wagons would have been passed to the LMS in 1923 with most of the later batches reaching BR in 1947.

Dia. 32A. Single Bolster

These wagons were built by the Lancashire and Yorkshire railway between 1896 and 1920 in which time 1689 were built. Most of the later wagons would have been passed to the LMS in 1923 with most of the later batches reaching BR in 1947.

Both diagrams were commandeered by the war department between 1915 and 1919. During this time they were repainted W^D green.
All of these wagons were painted grey from 1870 to 1935, and 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.

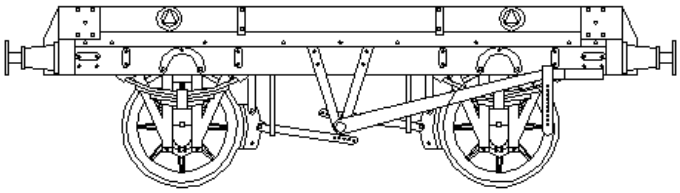
Sample Running Numbers

Dia.1 199, 94445, 12862, 13040, 16458, 17248, 19463, 21708 and 31971

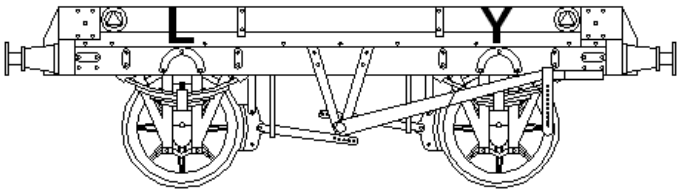
Dia.32A 2813 and 6935

Liveries

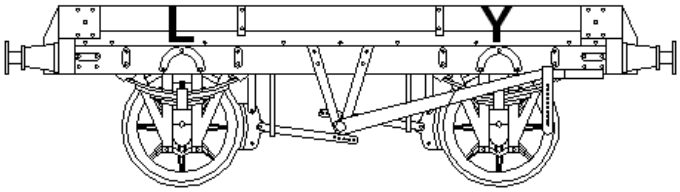
LYR Livery
Circ 1900



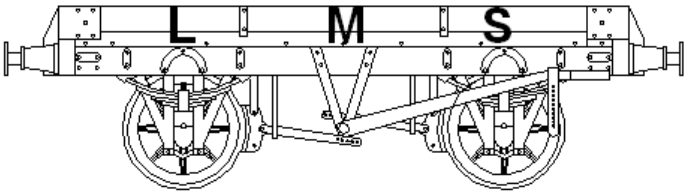
LYR Livery
Circ 1910

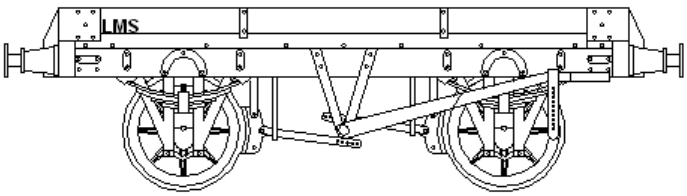


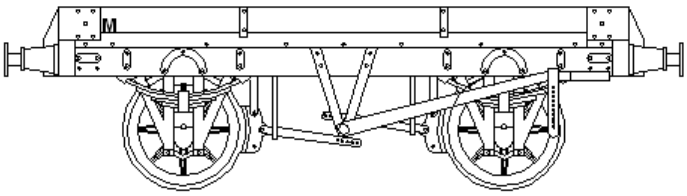
LYR Livery
Circ 1920



LMS early Livery
Circ 1923-36







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LYR/LMS/BR 1 Plank Wagon
LYR/LMS/BR Bolster Wagon

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

We recommend Haywood Railway's 3'1" split spoke wheels.
Transfers are available from POWSides/HMRS LMS pre-grouping