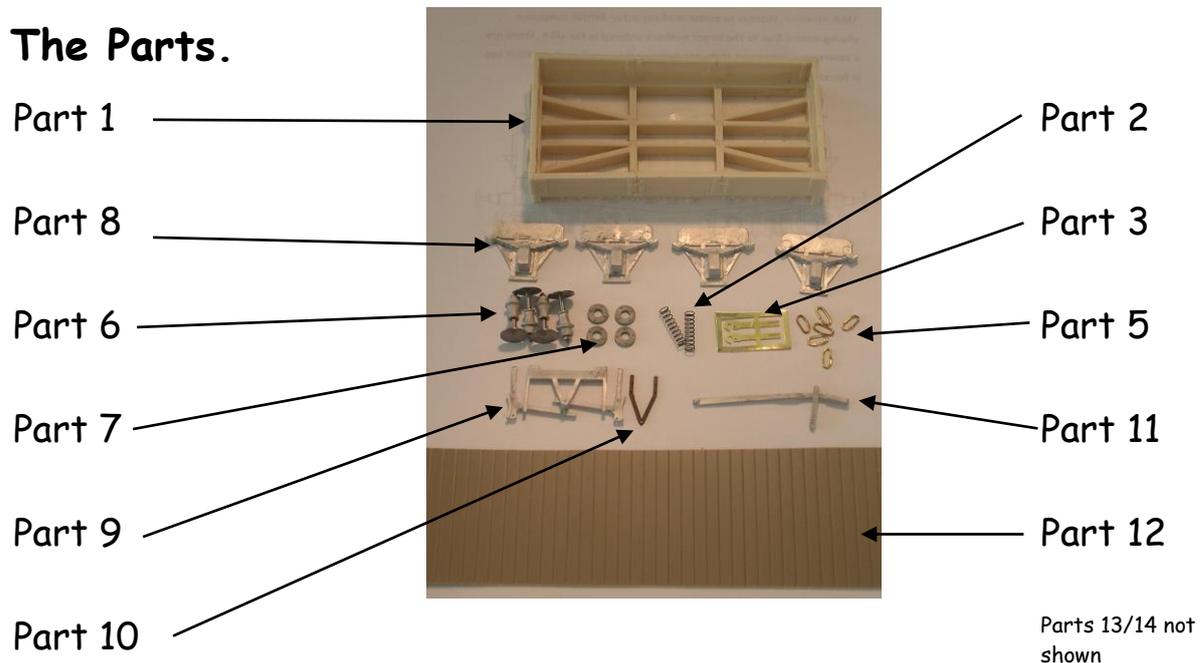


Furness Railway Wagon Co.

Furness Railway/LMS 1899 Diagram 10 10ton 2 Plank Slate and General Merchandise Wagon Wheels, paint and transfers required to complete.

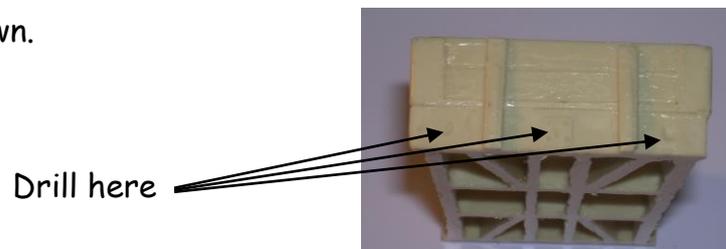
Please note that to aid the folding of the various parts score all the halfetched foldlines that are to be folded.

The Parts.

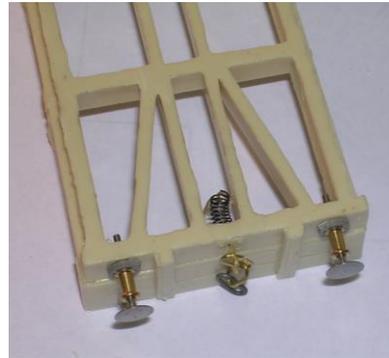


Wagon Construction.

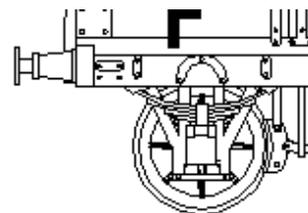
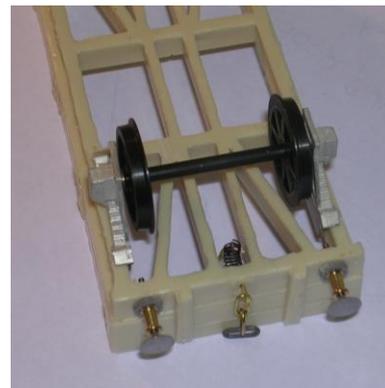
1. Clean up the wagon body (part 1) by removing any excess material.
2. Drill out the holes, both ends, for the buffers and coupling hooks as shown.



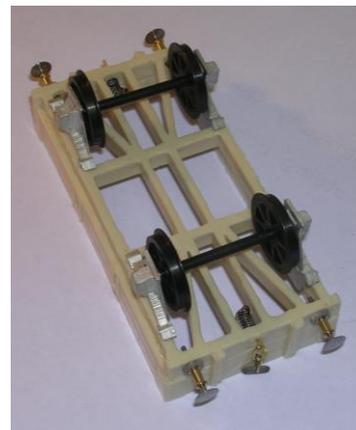
3. Attach the strapping and sole bar etch (part 13/14)
4. Next, assemble the links (part 4) on to the coupling hook (part 3) and push through the slot. Now push the spring (part 5) over the back of the back of the coupling hook and bend the tags over to secure the spring in place. Then fix the four buffers (part 6) into the cast buffer plates (part 7) and then into the holes in the buffer beam using two part epoxy. As shown. Repeat for the other end.



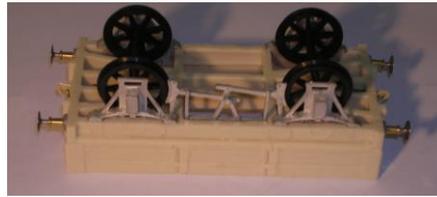
5. Assemble a wheel set, 2 x W-iron's (part 8), 2 x bearing's and 1 x wheel/axle unit, do not glue the bearings into the W-irons at this stage. Again using two-part epoxy resin, glue the assembled wheel set onto the sole-bars so that they are square and line up with the rivets as shown on the drawing.



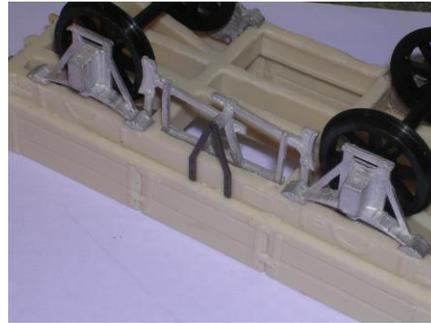
6. Repeat for the other wheel set. Use a straight edge across the back of the wheels to aid getting these parallel and square to the chassis.



7. Glue the brake gear (part 9) on to one side of the wagon only as shown.



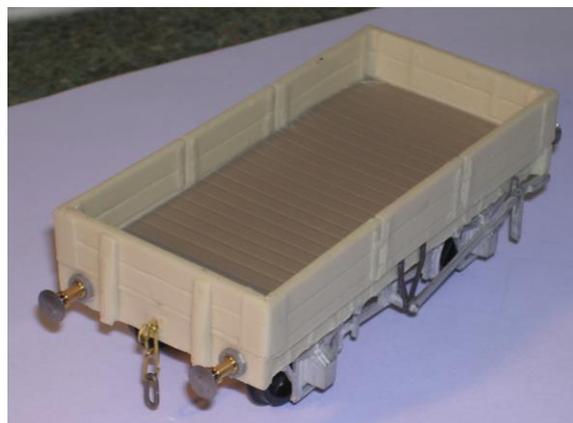
8. Glue the outside V-hanger (part 10), into position on the sole-bar and to the spigot of the brake gear casting.



9. Next fix the brake lever and ratchet casting (part 11) to the sole-bar and to the out side V-hanger as shown below.



10. Finally cut to size and fit the strip of embossed plastikard (part 12) to form the floor. You are now ready to paint the model in the livery of your choice.



History of the Wagon

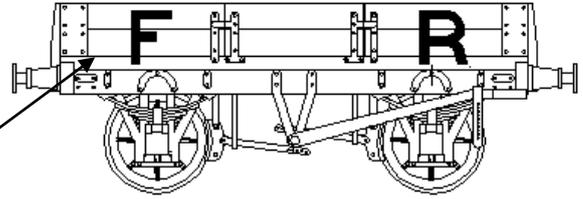
In 1899 the Furness Railway Company ordered two batches of these 10ton 2 plank slate and general merchandise wagons. 50 from the company's own wagon works at Barrow-in-Furness and 50 from Ashbury's wagon works. The both batches of wagons were of an all-wood construction. These wagons were to replace its ageing fleet of mainly wooden wagons rated at between 6 and 8 tons.

The wagons were mainly used to convey Slate and general merchandise to and from Cumberland and North Lancashire although some of the wagons where photograph as far away as northern Scotland and south west England.

The wagons were issued the numbers 7178 to 7277 by the Furness Railway. Most of the wagons were absorbed into the LMS. These would have been renumbered 302178 to 302277. It is possible that some of these wagons managed to last into early British Railways. In Furness Railway days the wagons would have been painted grey. There is no specific shade of grey mentioned by the Furness Railway Company but, as its headquarters were at Barrow-in-Furness, home to Vickers, Son & Maxim's, Naval Shipyard, battleship grey would be a good guess. The wagons would have also been painted grey from 1923 to 1935 and then painted bauxite from 1936 to 1948. In British Railways days, the wagons would have reverted to a shade of grey.

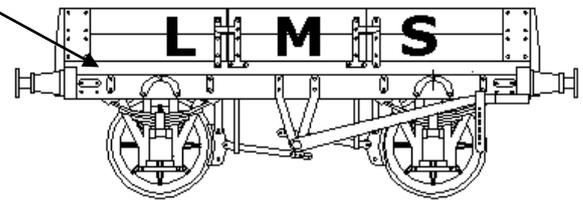
Liveries

Furness Railway
Livery Circ 1899



Numbers

LMS early Livery
Circ 1923-36



Furness Railway Wagon Co.

**Furness Railway/LMS
1899 Diagram 10 10ton
2 Plank Slate and General Merchandise Wagon**

1. Construction Manual,
2. One wagon body casting (resin),
3. One brake gear castings,
4. One brake lever castings,
5. Four W-iron/axle box castings,
6. Four buffer plate casting (resin),
7. One 'V' Hanger casting (resin),
8. Four buffer assemblies,
9. Two coupling hook springs,
10. Six coupling hook links,
11. One set of etched coupling hooks.
12. Etched sole bar
13. Strapping etch.

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

Transfers are available from Dragon Models ref:7031 or on the HMRS LMS pre-grouping sheet.