

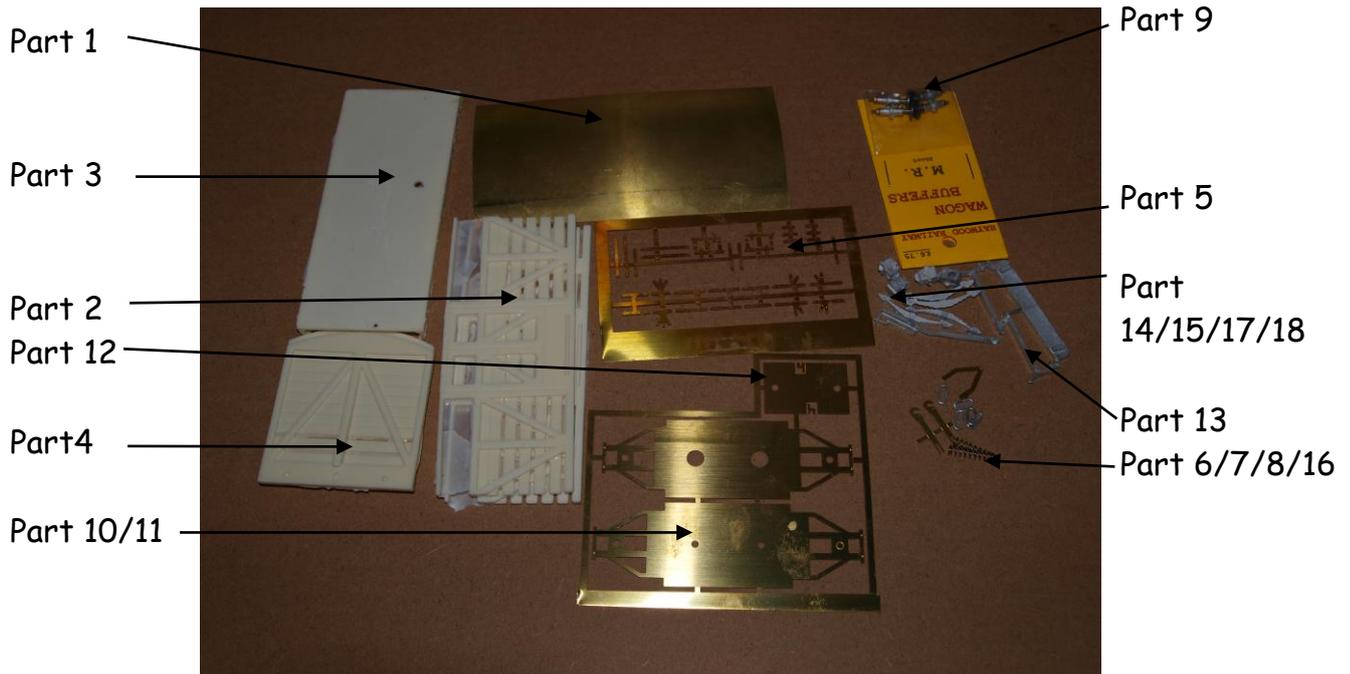
Furness Railway Wagon Co.

S&DJR/MR/LSWR/SR/LMS

10ton Cattle Van

Wheels, paint and transfers required to complete.

The Parts.



Assembly of van.

1. First solder wire into the half etched slots in the roof (part 1).
2. Wash and clean up the castings making sure that the castings fit together before gluing.
3. Fit the two sides (parts 2) to the floor (part 3), making sure that the ends of the sides line up with the floor and are square.

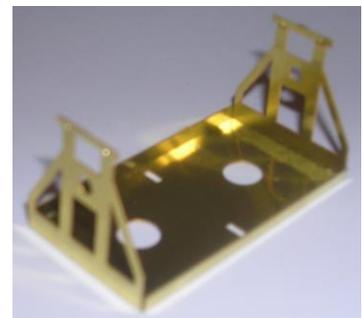
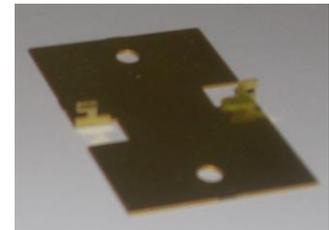
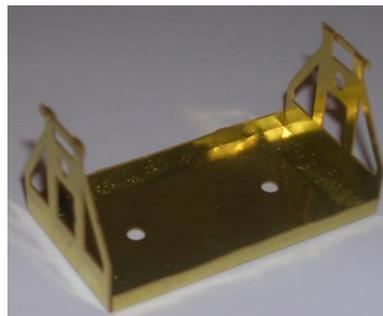


4. Then fit the ends (Parts 4) again make sure that the ends line up and are square.
5. Next fit the etched strapping (part 5), as shown. Care is required not to get too much glue on the strapping as this could cover the strapping.

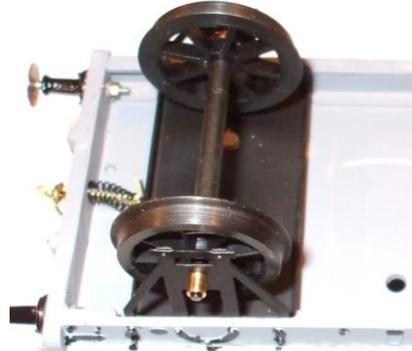
6. Next, assemble the links (part 6) on to the coupling hook (part 7) and push through the slot. Now push the spring (part 8) over the back of the coupling hook and bend the tags over to secure the spring in place. Then fix the four buffers (part 9) into the holes in the buffer beam using two part epoxy.



7. Next fold up the brass w-irons (Part 10/11) and rocking plate (Part 12). Slot the tags on the rocking plate through the slots on the w-iron that has the circles in its base and the twist round to secure.



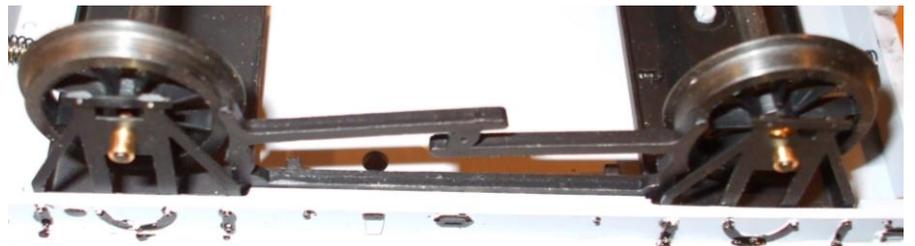
8. Assemble a wheel set, 1 x W-iron's, 2 x bearing's and 1 x wheel/axle unit, do not glue the bearings into the W-irons at this stage. Again glue the assembled wheel set onto the chassis using the pips on the bottom of the floor to locate.



9. Repeat for the other wheel set.



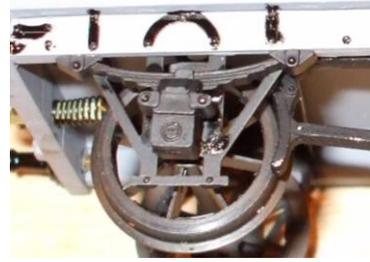
10. Place the brake gear casting (part 13) against the inside of sole-bar and slide down into the chassis with the spigot pointing outward. You may require to chamfer the casting so that it clears the filet between the



chassis and the sole-bar. Glue the casting into position using two part epoxy resin, this will give you opportunity for adjustment. Position the casting with care and centrally between the rivets on the sole-bar.

11. Next attach V-hanger (part 14) to the inside of the sole bar.

12. Drill out the axel box castings (parts 15) to suit the bearings of your chosen wheels and attach with the wheel spring casting (parts 16) as shown. Repeat for the other three wheels.



13. Next fix the brake lever (Part 17) and ratchet casting (part 18) to the sole-bar and to the V-hanger.
14. Finally fit the roof, making sure that the end line up and are square. Paint the model in the livery of your choice.



History of the Wagon

Between 1895 and 1912 the S&DJR ordered over 100 10ton large cattle vans. These wagons were built by the Midland Railway, in Derby. They were similar to the standard Midland design but they had slightly different plank spacing and extra metal strapping on the sides.

Known SDJR running numbers are 1-30, 90-100 and 407-456. In 1914 these wagons were split between the two parent companies 50% going to the Midland and 50% to the LSWR. LSWR running numbers 15112 to 15132

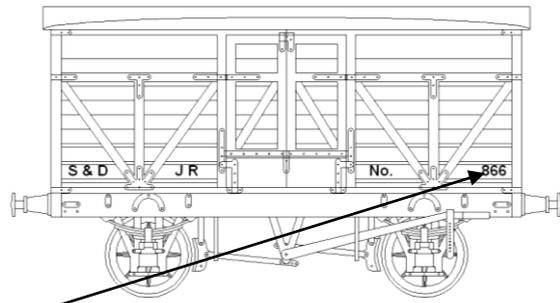
Most of the wagons would have been absorbed into the LMS of the Southern respectively in 1923. It is feasible that some of these wagons lasted into early British Railways when their numbers would have been prefixed with a letter 'M' or "S" depending on which company they had gone to in 1914.

The S&DJR vans in general traffic would have followed the standard S&DJR livery until 1914 were they would have been repainted in either the standard Midland Livery or that Of the LSWR.

The wagons allocated to the LSWR in 1914 would have been repainted in the standard LSWR livery of dark brown. At the grouping they would have then been repainted in the standard livery of the Southern Railway wagon which was The same as the LSWR but with the letters and number positions changing.

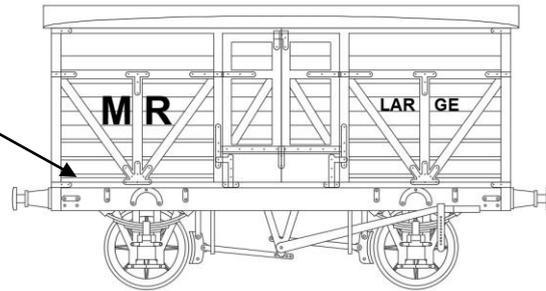
Liveries

S&DJR Livery
Circ 1903-14



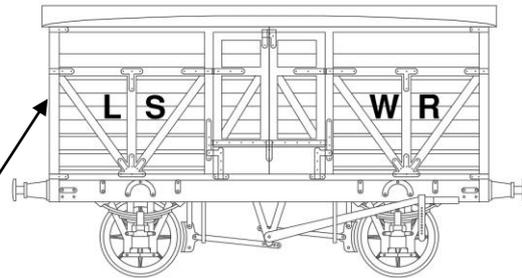
MR Livery
Circ 1914-23

Numbers

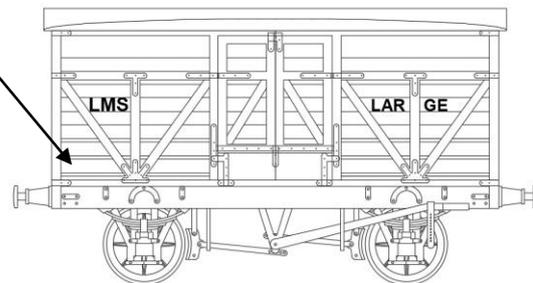


LSWR Livery
Circ 1914-23

Numbers

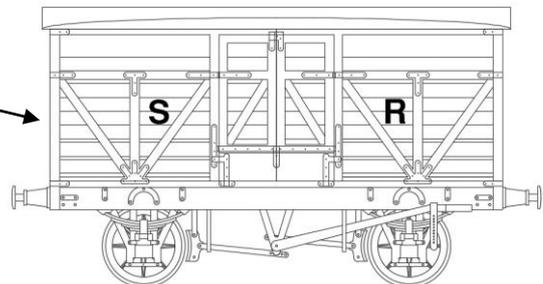


LMS early Livery
Circ 1923-35



SR early Livery
Circ 1923-35

Numbers



Furness Railway Wagon Co.

S&DJR/MR/LSWR/LMS/SR

10ton Cattle Van

1. Construction Manual,
2. One rolled etched brass roof.
3. One W-iron etch,
4. 3 Brass Strapping etches,
5. One brass steps etch,
6. One brake gear etch,
7. One Brake ratchet Casting
8. Four axle box castings,
9. Two wagon side castings (resin),
10. Two wagon end casting (resin),
11. One wagon floor Casting (resin),
12. Four buffer assemblies,
13. One coupling hook etch,
14. Two coupling hook springs,
15. Six coupling hook links.
16. Two lengths of brass wire.

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

Transfers are available from HRMS, Slaters and POWsides.