

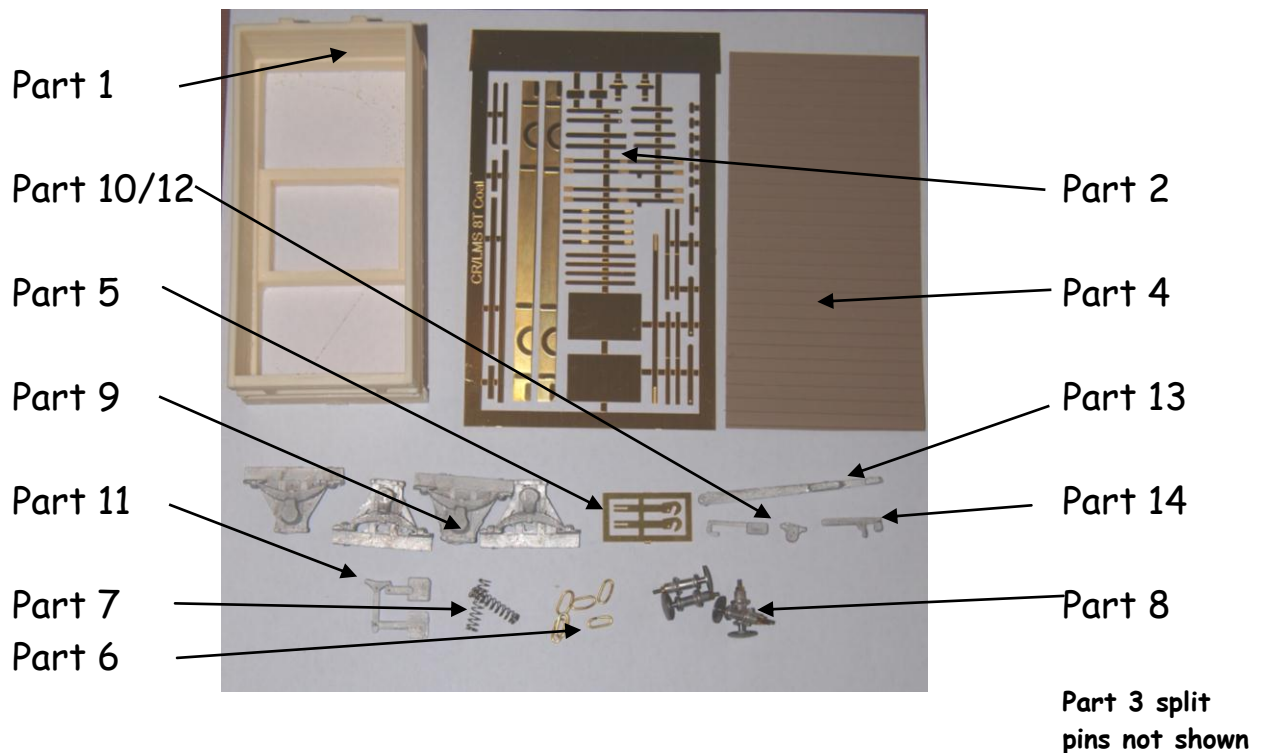
Furness Railway Wagon Co.

CR/LMS/PO

8ton 4PLK Coal Wagon

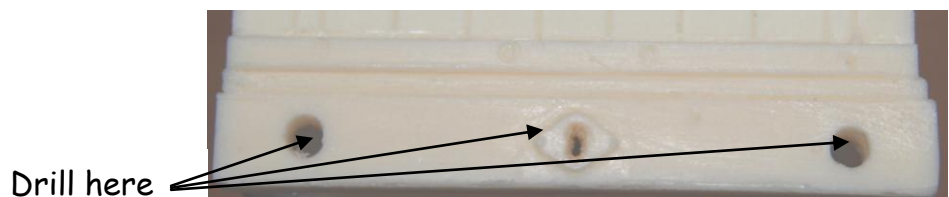
Wheels, paint and transfers required to complete.

The Parts.



Wagon Construction.

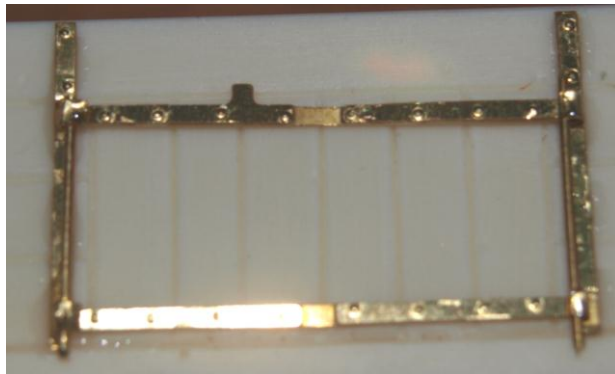
1. Clean up the wagon body (part 1) by removing any excess material.
2. Drill out the holes, both ends, for the buffers and coupling hooks as shown.



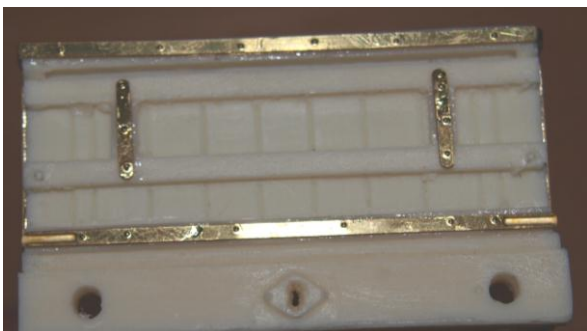
3. Next punch out the rivets on the strapping etch (part 2) and glue to the wagon as follows.
4. Starting with the side door vertical bars.



5. next the door hinges these are formed from horizontal bars with their ends folded around a piece of wire.



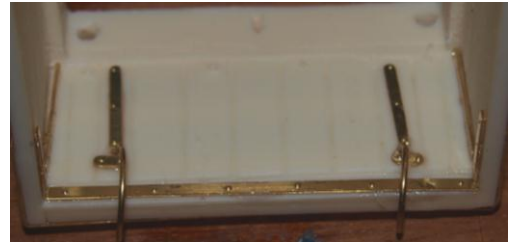
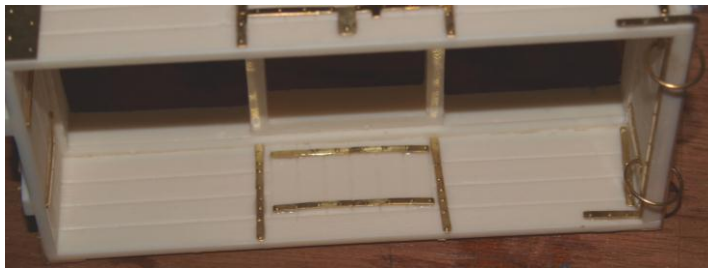
6. Now fit the door retaining plate and latch as shown.



7. Next fit the sole bars and the other external strapping as shown.



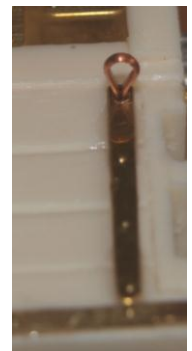
8. Now fit the internal strapping as shown.



9. Next fit two wire loops over the top of the end door.

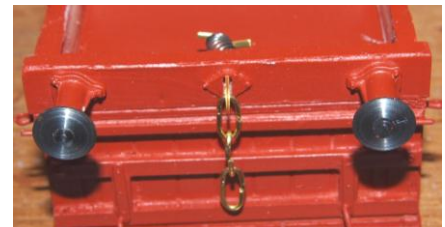


10. Now drill through the hole in the bottom of the strapping that is on the end of the wagon with end door and fit a split pin as shown.

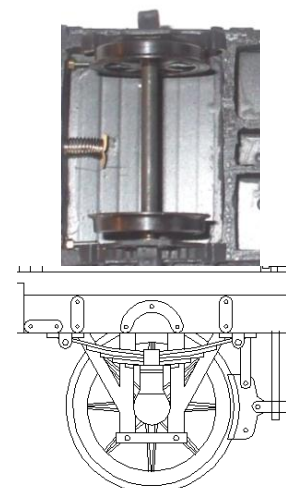


11. Next Fit the floor (part 4).

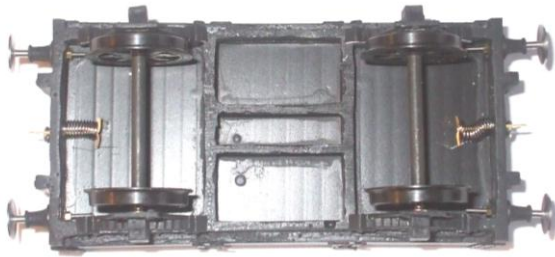
12. Next, assemble the links (part 5) on to the coupling hook (part 6) and push through the slot. Now push the spring (part 7) over the back of the back of the coupling hook and bend the tags over to secure the spring in place. Then fix the four buffers (part 8) into the holes in the buffer beam using two part epoxy. As shown. Repeat for the other end.



13. Assemble a wheel set, 2 x W-iron's (part 9), 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



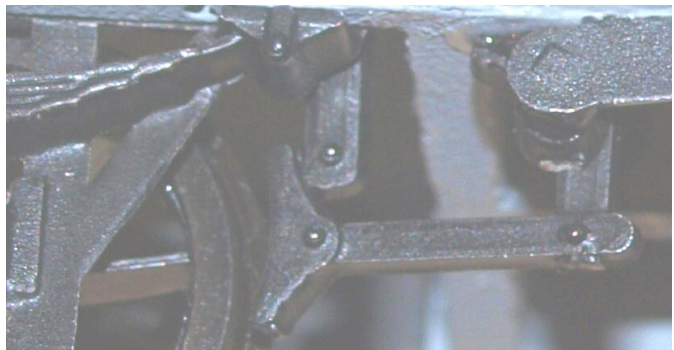
wheel set onto the sole-bars so that they are square and line up with the rivets as shown on the drawing.



parallel and square to the chassis.

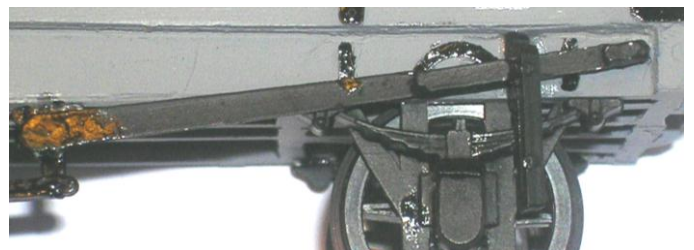
14. Repeat for the other wheel set. Use a straight edge across the back of the wheels to aid getting these

15. Glue the brake gear pivot (part 10) on to one side of the wagon only as shown. Then glue the brake block (part 11) to the inside of the sole-



bar as shown making sure that the brake block does not foul the wheels. Then attach the pull rod support bar (Part 12).

16. Next fix the brake lever (part 13) and ratchet casting (part 14) to the sole-bar and to the outside of the brake gear pivot as shown.



17. You are now ready to paint the model in the livery of your choice.



History of the Wagon

Caledonian Railway

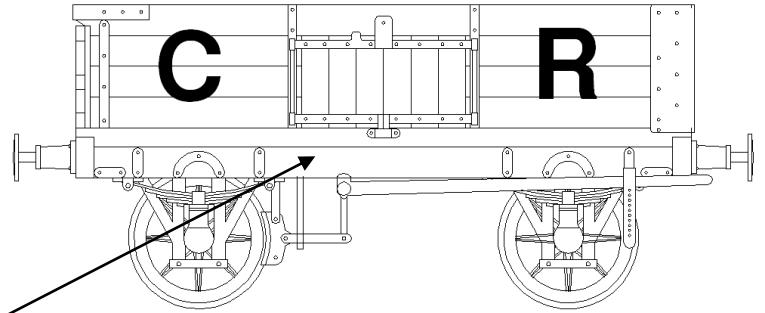
Built in large numbers by the CR these wagons were the CR's version of the standard Scottish 8t side and end door coal wagon of the 1890's. Although similar in appearance and age to the NBR's Jubilee coal wagon there were a number of differences that set them apart. Firstly the side door on the NBR the door was of the flap stile and the CR employed a cupboard door. Secondly the CR version had four planks all of the same size. Where as, the NBR's, had three large planks and one small one. And thirdly the NBR's wagons had a wheel base of 8'6" were as the CR's version was 9'

The primary role for these wagons was the movement of coal from the pit to either: coal yards for transshipment to domestic or industrial users; Industrial users directly and to ports for shipping. In addition to this they were on occasions pushed into service carrying other minerals and general merchandise.

Most of the wagons would have been absorbed into the LMS but only a few would have been in service by the end of 1946. The tops of the wagons would have also been painted Caledonian Railway red oxide until 1923 and grey from 1923 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.

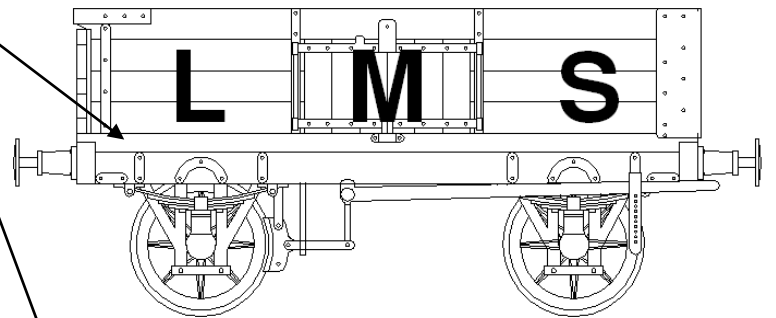
Liveries

Caledonian
Railway Livery
Circ 1900

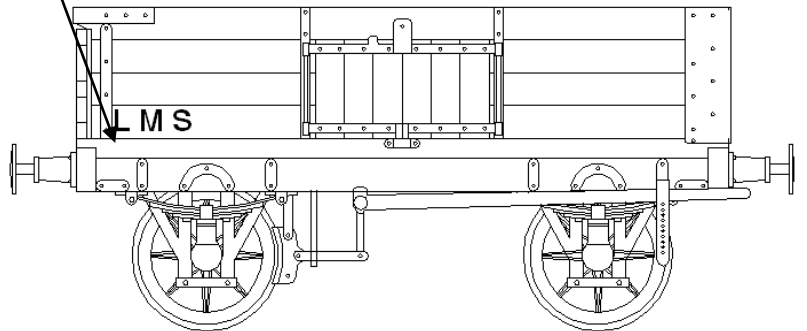


Numbers

LMS early Livery
Circ 1923-36



LMS Late Livery
Circ 1936-47



Furness Railway Wagon Co.

CR/LMS/PO 8ton 4PLK Coal Wagon

1. Construction Manual,
2. One wagon body casting (resin),
3. One wagon floor,
4. One brass strapping etch,
5. One brake block casting,
6. One brake lever casting,
7. One brake lever pivot casting,
8. One brake lever ratchet casting,
9. Four W-iron/axle box castings,
10. Four buffer assemblies,
11. Two coupling hook springs,
12. Six coupling hook links,
13. One set of etched coupling hooks.

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

Caledonian Railway transfers are available on the HMRS Scottish pre-grouping sheet. LMS transfers are available on the HMRS LMS wagon sheet as well as Slaters plastikard.

A number Private Owner liveries for this wagon are available from POWsides.