

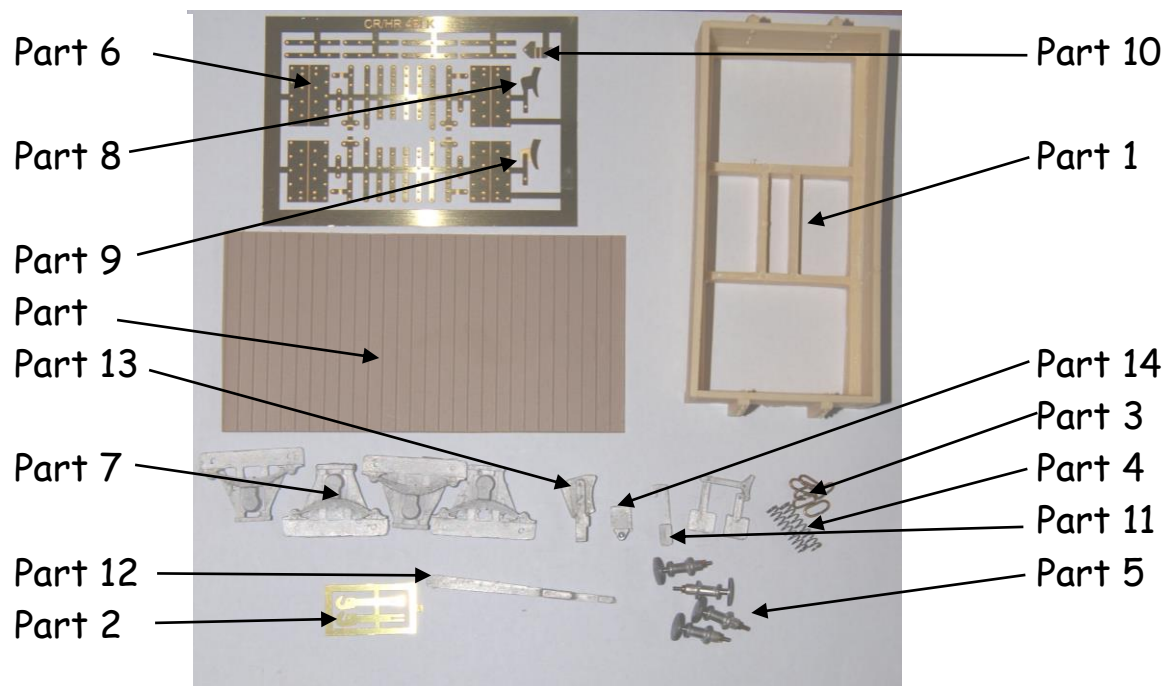
Furness Railway Wagon Co.

CR/LMS Sheep Wagon

Wheels, paint and transfers required to complete.

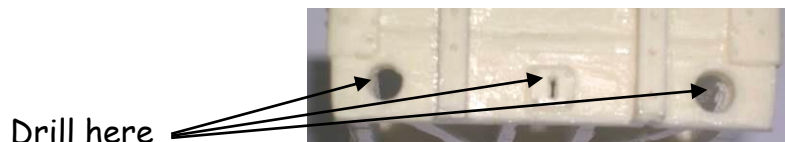
Please note that to aid the folding of the various parts score all the halfetched foldlines that are to be folded.

The Parts.



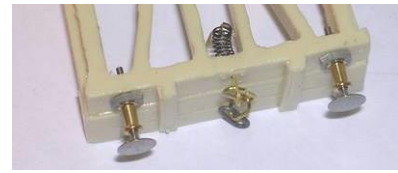
Wagon Construction.

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.



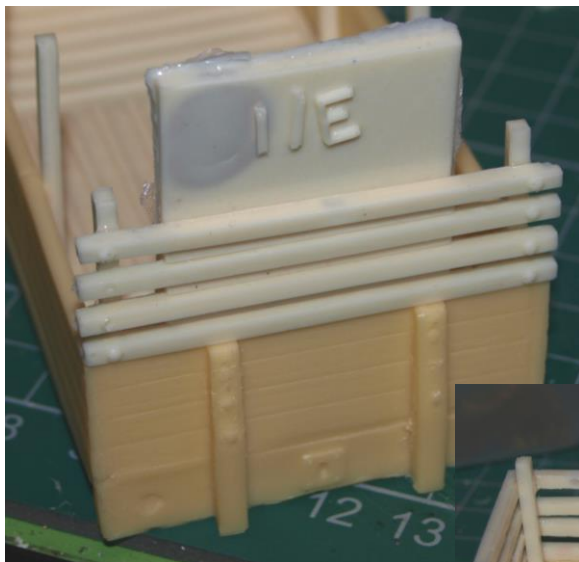
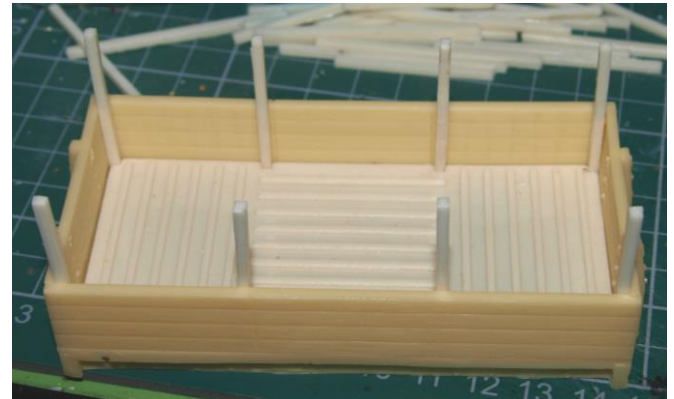
3. Next, assemble the links (part 2) on to the coupling hook (part 3) and push through the slot. Now push the spring (part 4) over the

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 5) into the holes in the buffer beam using two part epoxy. As shown. Repeat for the other end.



4. Next fit the floor (part 6) in to the inside of the wagon.

5. Now fit the raves (part 7). Firstly fit the corner and side posts into the slots in the floor.



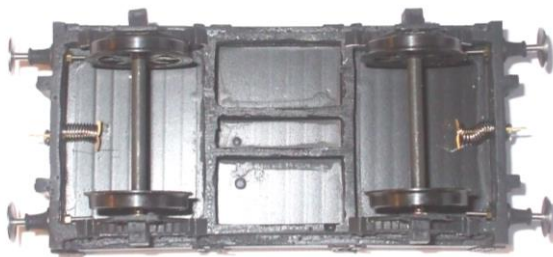
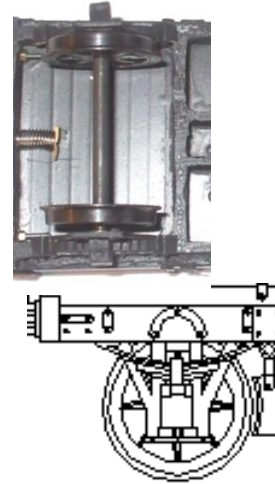
6. Next, using the jig (part IIE) to space them correctly, fit the

horizontal planks.



7. Next punch out the rivets on the strapping etch (part 8) and glue to the wagon as shown.

8. 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.



9. 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.

parallel and square to the chassis.

10. Take the out side single brake block (part10) and punch out the rivet

11. Then take the inside brake block (part 11) and attach to the back of the outside.

12. Fold up the pivot boss (part 12) and attach to the sole bar so it over laps the W-iron boss. You may require to trim the 'W' iron boss to allow this to fit



13. Fit a piece of wire through the hole and attach the brake block to it in the inside of the sole bar making sure that it doesn't foul the wheel

14. Fit the brake ratchet (part 13) to the sole bar as shown



15. Fit the brake lever (part 14) through the brake lever ratchet and on to the brake pivot.



16. Finally you are now ready to paint the model in the livery of your choice.

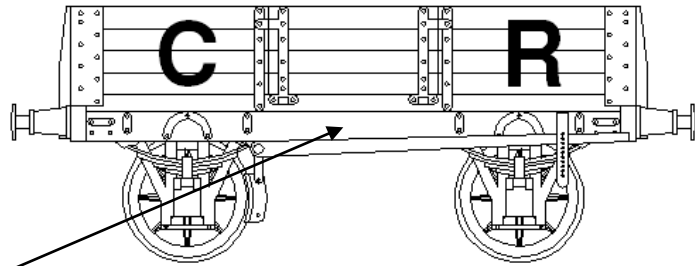
History of the Wagon

Caledonian Railway

This kit represents the last variant of the Caledonian Railway's standard 4 plank open wagon design built from about 1888 to 1914. After 1905, some of these wagons were converted to be used for the sheep trade. This was done by adding coke raves to the outside of the wagon and adding ribs to the floor. These wagons would have been a familiar sight all over Scotland and the north of England, with some venturing even further a field. 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 painter black at all times.

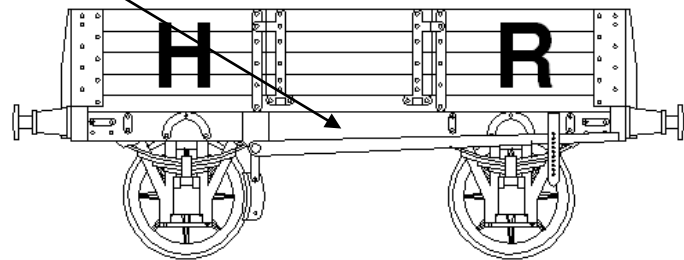
Liveries

Caledonian
Railway Livery
Circ 1900

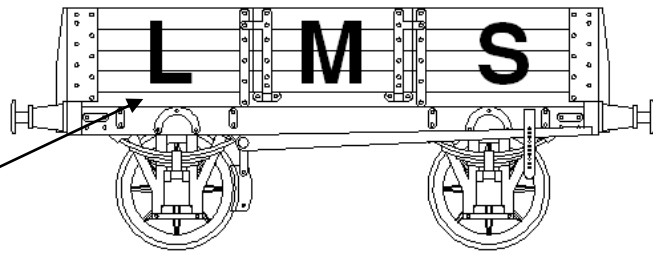


Numbers

Highland Railway
Livery Circ 1900

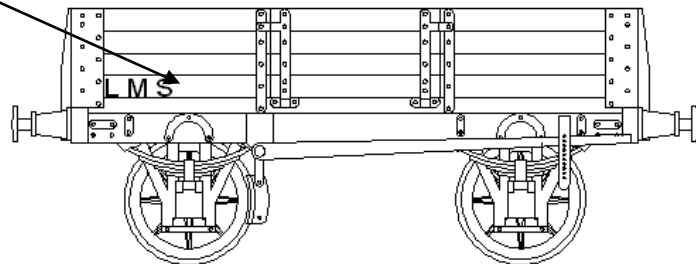


LMS early Livery
Circ 1923-36



Numbers

LMS Late Livery
Circ 1936-47



Furness Railway Wagon Co.

CR/HR/LMS/PO 8ton 4PLK General Merchandise Wagon

1. Construction Manual,
2. One wagon body casting (resin),
3. One wagon floor,
4. One brass strapping etch,
5. One brass brake etch,
6. One Brake ratchet casting
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 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.