

# *Furness Railway Wagon Co.*

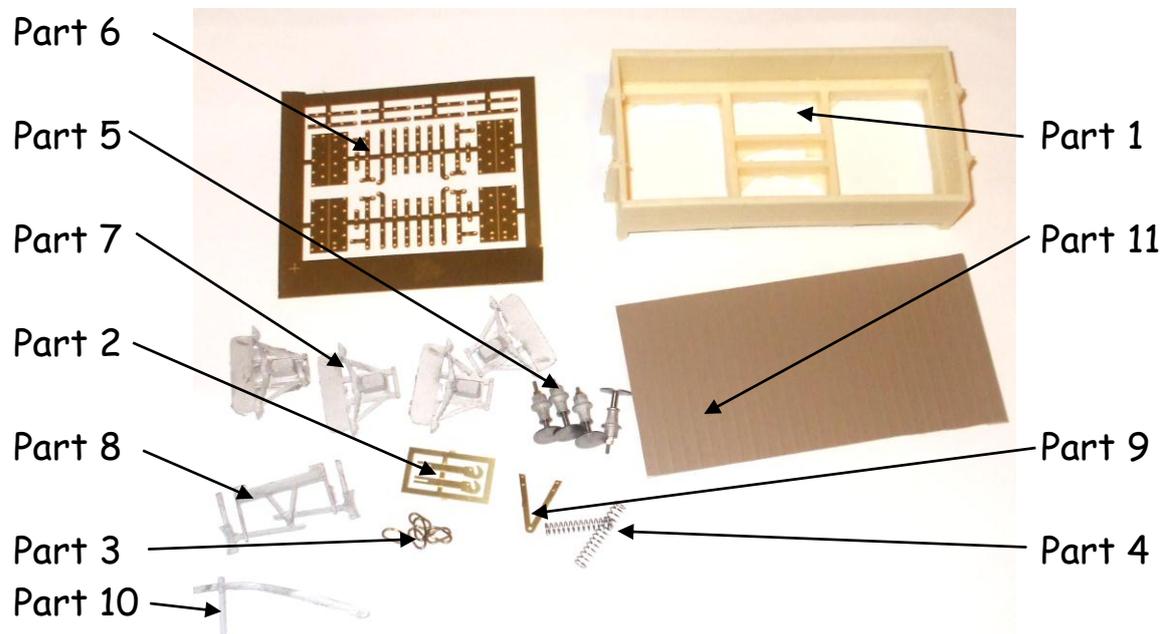
**Gloucester Railway Carriage and Wagon Co.**

**10ton 4PLK General Merchandise Wagon**

Wheels, paint and transfers required to complete.

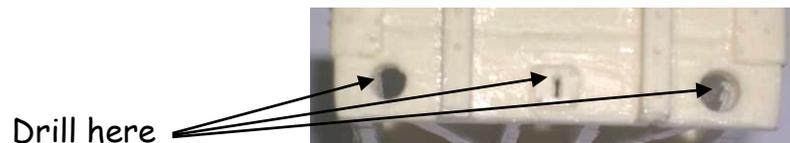
Please note that to aid the folding of the various parts score all the halfetched foldlines that are to be folded.

## **The Parts.**



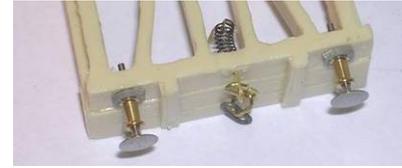
## **Wagon Construction.**

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.



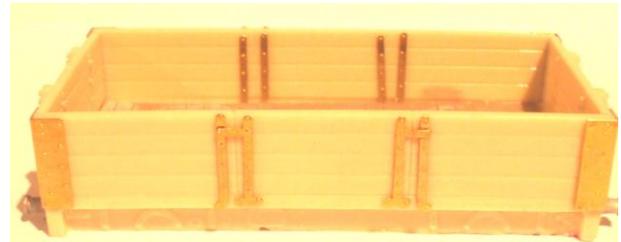
3. Next, assemble the links (part 2) on to the coupling hook (part 3) and push through the slot. Now push the spring (part 4) over the

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)

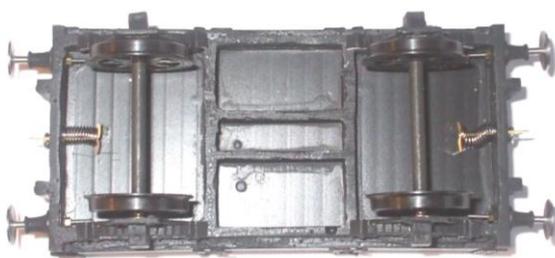
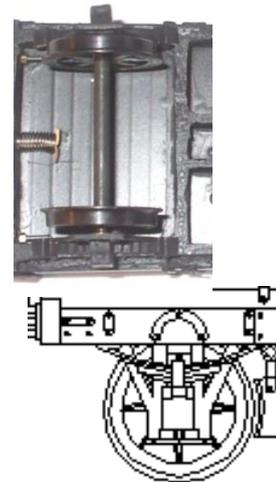


into the holes in the buffer beam using two part epoxy. As shown. Repeat for the other end.

4. Next punch out the rivets on the strapping etch (part 6) and glue to the wagon as shown.



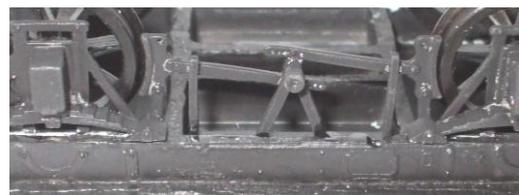
5. Assemble a wheel set, 2 x W-iron's (part 7), 2 x bearing's and 1 x wheel/axle unit, do not glue the bearings into the W-irons at this stage. Again using two-part epoxy resin, glue the assembled wheel set onto the sole-bars so that they are square and line up with the rivets as shown on the drawing.



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. Then glue the brake block (part 8) to the inside of the sole-bar as shown making sure that the brake block does not foul the wheels.



8. Fit the outside brake 'V' hanger (Part 9) to the spigot of the brake blocks if required.

9. Next fix the brake lever ratchet casting (part 10) to the sole-bar and to the outside of the brake gear pivot as shown.



10. Finally cut to size and fit the strip of embossed plastikard (part 11) to form the floor. You are now ready to paint the model in the livery of your choice.



## **History of the Wagon**

This kit represents the standard Gloucester Railway Carriage and Wagon Co.'s 8ton 4PLK General Merchandise Wagon. They were built between 1890 and 1910 and were sold to a number of the smaller railway companies and private owners across England, Scotland and Wales.

The wagons were rated at 10 tons and mainly used to transport coal and general merchandise around the railway system.

### **Private Owners**

The liveries for Private owner wagons varied dramatically. These wagons were used to convey coal and general goods and would have been seen everywhere in Britain. As these wagons were mainly used by small private companies they would have been used as travelling advertisements by their owners and would have been turned out in allsorts of colours and liveries. It is also possible that some of these wagons managed to last into early British Railways having been pooled during World War 2. In British Railways days the wagons would have been grey or even unpainted wood. This would have left the ghosts of their former liveries showing through.

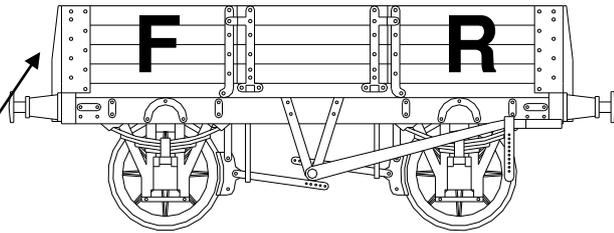
### **Furness Railway**

In 1900 the Furness Railway ordered 58 of these wagons numbering them 7370 to 7428. Most of the wagons were absorbed into the LMS but only a few would have been in service by the end of 1946. 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.

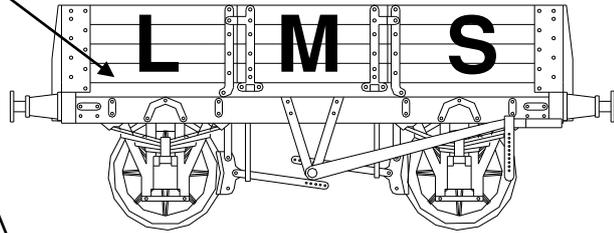
## Liveries

Furness Railway  
Livery Circ 1900

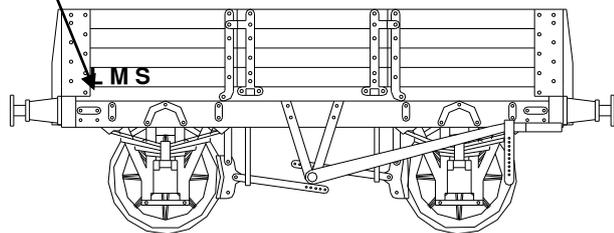


Numbers

LMS early Livery  
Circ 1923-36



LMS Late Livery  
Circ 1936-47



# *Furness Railway Wagon Co.*

## **Gloucester Railway Carriage and Wagon Co. 10ton 4PLK General Merchandise Wagon**

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

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

Transfers are available on the HMRS LMS pre-grouping sheet.

The a number Private Owner liveries are available from POWsides.