

# *Furness Railway Wagon Co.*

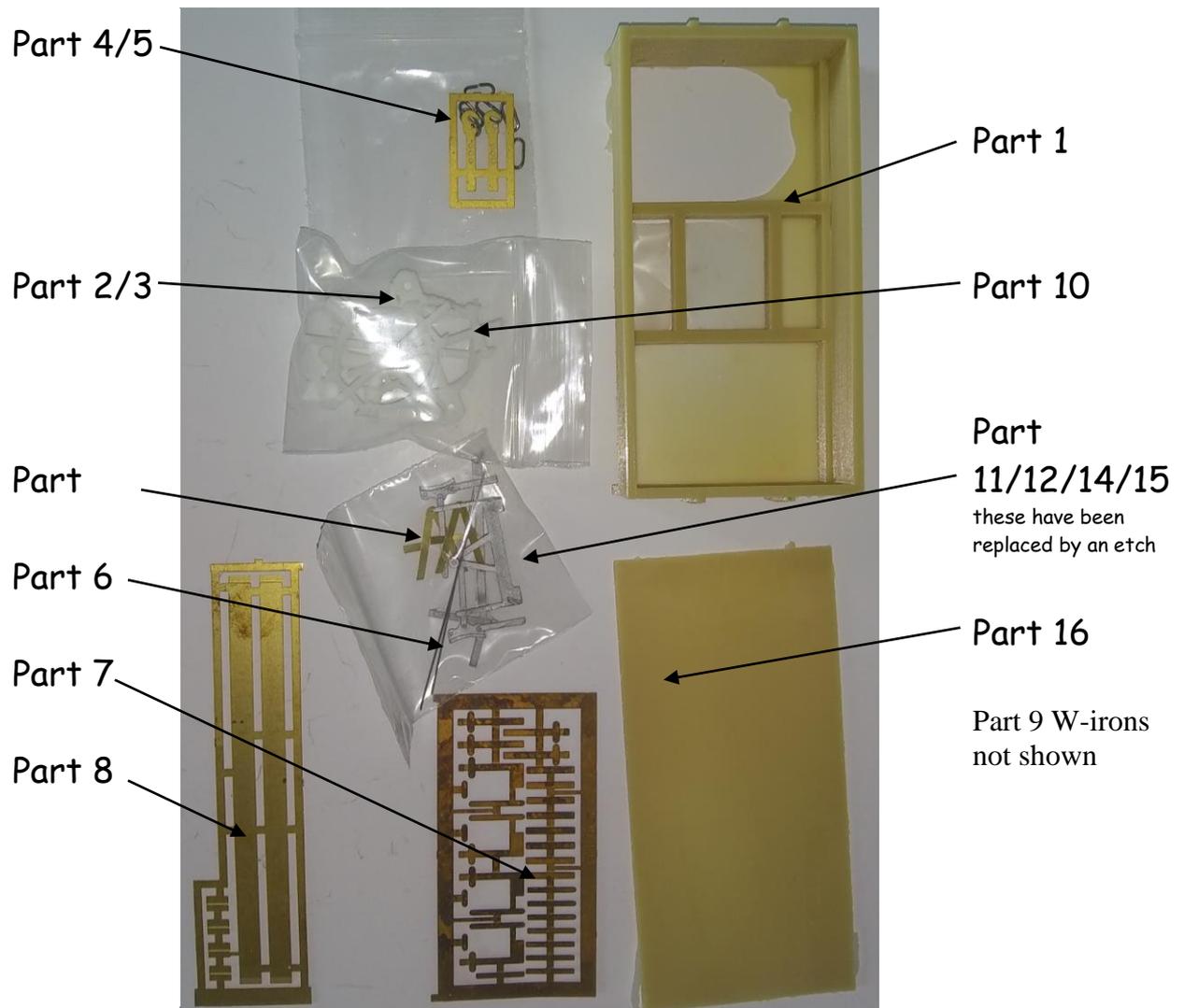
LSWR/SR/BR

8ton 3PLK Drop-side 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.

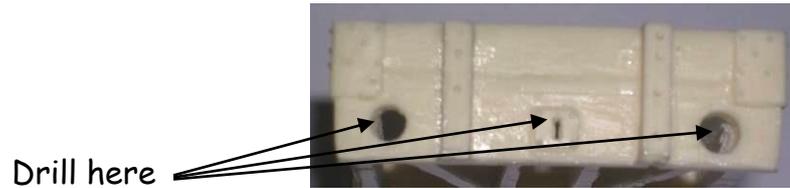
## The Parts.



## Wagon Construction.

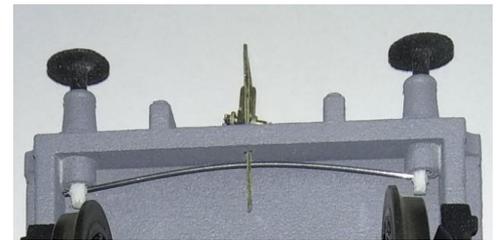
1. Clean up the wagon body (part 1) by removing any excess material.

2. Drill out the holes, both ends, for the buffers and coupling hooks as shown.



3. Glue in the buffer guides (part 2) into the buffer beam.
4. Drill out the holes in the ends of the buffer heads (Part 3) using a 0.5mm drill

1. slide the buffer heads through the guides
2. assemble the 3 link couplings (part 4) onto the hooks (part 5)
3. cut the piano wire (part 6) to length

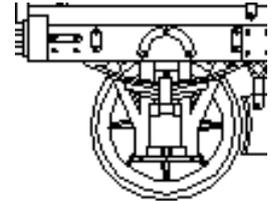


4. Slide the wire through the coupling hook, using the hole closet to the back of the buffer beam. Then slide it through one of the holes in the buffer heads. Once the wire is hard up against the back of the sole bar slide the wire back into the hole in the other buffer head

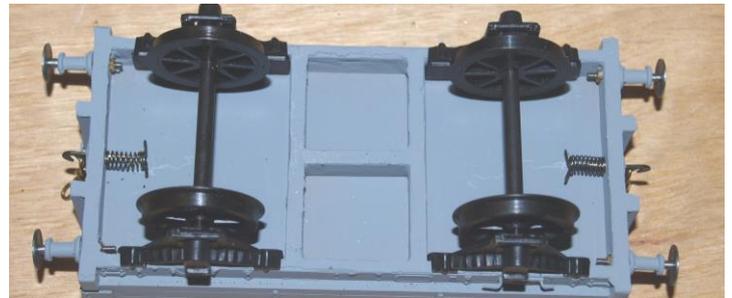
5. Next punch out the rivets on the strapping etch (part 7) and the sole bar (part 8) and glue to the wagon as shown.



6. Assemble a wheel set, 2 x etched W-iron's (part 9), 2 x bearing's and 1 x wheel/axle unit and 2 Axle boxes (part 10), do not glue the bearings into the W-irons. 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.



7. 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.

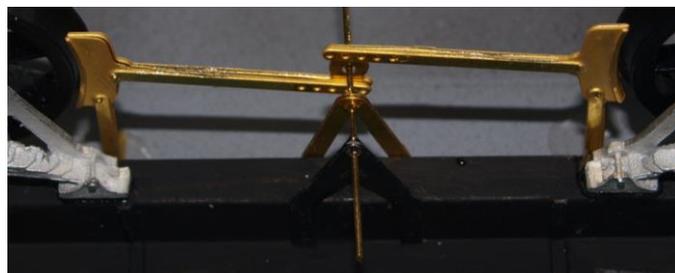


8. Then laminated brake block etch (part 11/12)



9. Attach the "V" hangers (part 13) to

either side of the sole bar and then attach the brake blocks to the inside of the sole-bar as



shown making sure that the brake block does not foul the wheels.

10. Next fix the brake lever (part 14) and brake ratchet (part 115) to the sole-bar and to the out side of the brake gear pivot as shown.



11. Finally cut to size and fit the floor (part 16). You are now ready to paint the model in the livery of your choice.



## History of the Wagon

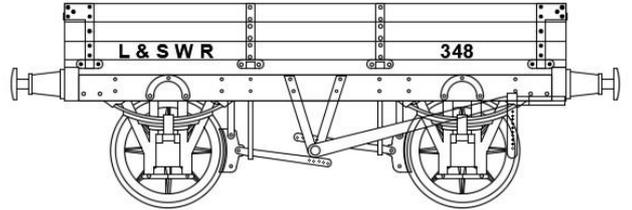
This kit represents the standard LSWR 3 plank drop sided open wagon. They were built between 1887 and 1912 and came from the railway company's own works. It is not known how many were built but 183 were taken into the ownership of the Southern Railway in 1923. These examples were all built between 1890 and 1912. A number of these wagons were still running in 1947 to be nationalised with the last known example being withdrawn from service in 1954.

The wagons were, originally, rated at 8 tons but were up rated over time to 10 tons. They were mainly used to transport general merchandise around, however some were also used by the engineers department as ballast wagons and others were used for moving China clay and some for stone traffic. Around 1890 some examples were shipped to the then isolated Bodmin and Wadebridge railway and were given to numbers. Examples of this wagons type were photographed as far away as northern Scotland and south west England.

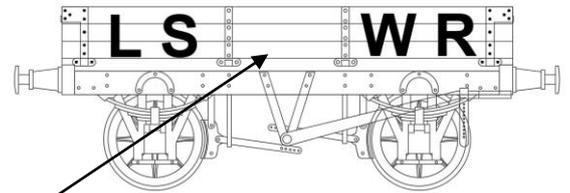
The wagons would have been painted LSWR wagon brown from 1879 right through to nationalisation in 1947. The only difference the liveries from 1879 to 1947 was the size and position of the lettering. In British Railways days, the wagons would have repainted to a shade of mid grey if they were ever repainted. However, those wagon that were used for china clay or stone traffic would have been, within a few weeks, of any of these liveried being applied they would have been covered in stone or china clay dust from the quarries and it would have been very difficult to work out what colour the paint underneath was.

## Liveries

LSWR Early Livery

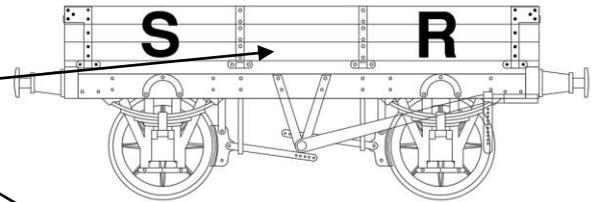


LSWR Late Livery

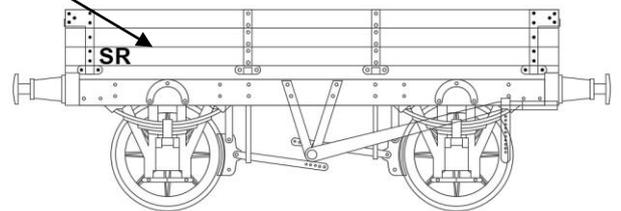


SR early Livery  
Circ 1923-36

Numbers



SR late Livery Circ  
1936-47



# *Furness Railway Wagon Co.*

## **LSWR/SR 8ton 3PLK Drop-side Wagon**

- One wagon body casting (resin),
- One floor casting resin,
- One brass strapping etch,
- One sole bar etch
- One brake etch,
- Two brake V hangers etched,
- Four axle boxes,
- W-iron etch,
- Four buffer guides
- Four buffer heads,
- Two lengths of piano wire,
- Six coupling hook links,
- 2 etched coupling hooks.
- 1 small piece of brass wire

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

Transfers are available on the HMRS Southern Railway and pre-grouping wagon sheet.