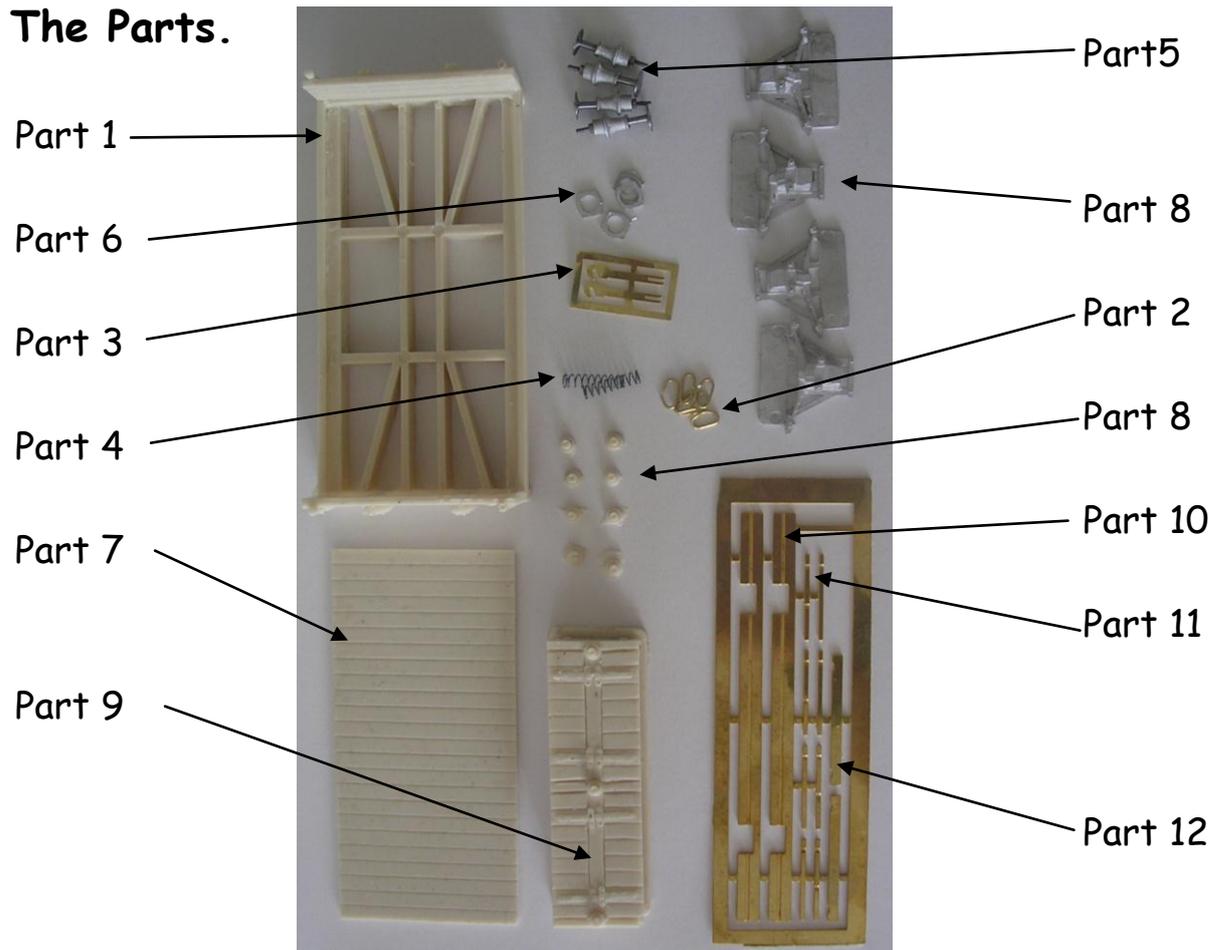


# Furness Railway Wagon Co.

## Midland Railway/LMS/BR Shunter's truck

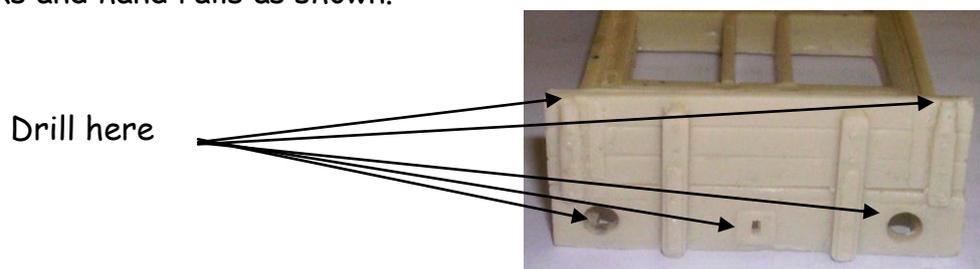
Wheels, paint and transfers required to complete.

### The Parts.



### Chassis Construction.

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



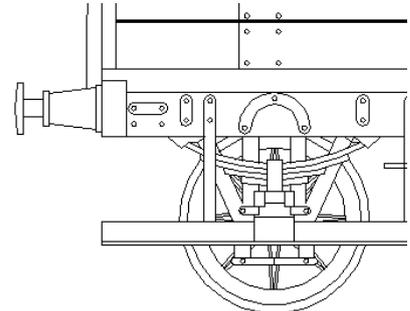
2. Next, assemble the links (part 2) onto the coupling hook (part 3) and push through the slot in the wagon. Now push the spring (part 4) over the back of the



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 cast buffer plates (part 6) and then into the holes in the buffer beam using two part epoxy as shown. Repeat for the other end.

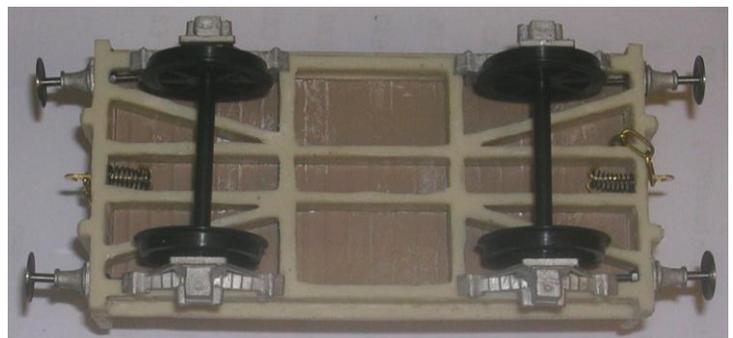
3. Now fit the floor (part 7). Trim as required

4. Assemble a wheel set. This consists of 2 x W-iron's (part 8), 2 x bearing's and 1 x wheel/axle unit. Do not glue the bearings into the W-irons at this stage. Using two part epoxy resin, glue the assembled



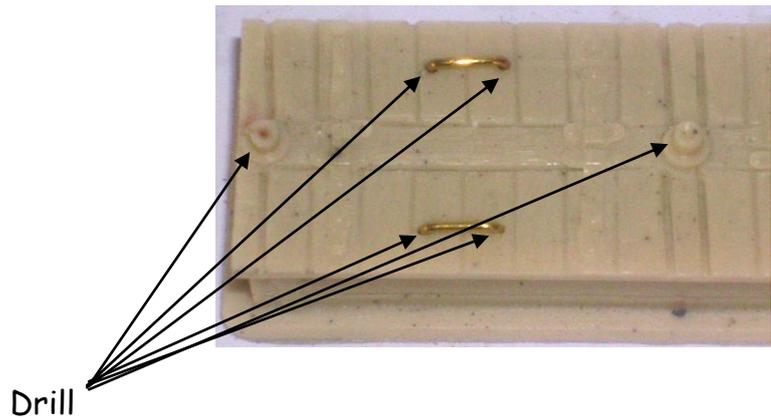
wheel set onto the sole-bars so that they are square across the wagon and line up with the crown plates as shown.

5. 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.

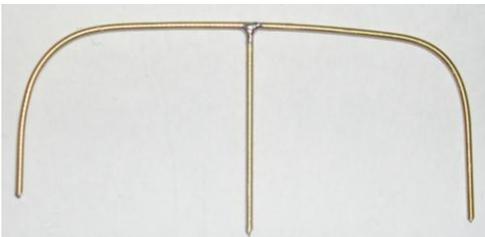


## Final Assembly

1. Take the tool box (part 9) and drill out the three bosses and holes for four handles as shown.



2. Position the tool box centrally and glue to the floor.



3. Next bend up the tool box hand rail as shown. There is a template provided to aid fabrication of this part.

4. The hand rail is fitted into the three small bosses on the top of the tool box as shown.



5. Next bend up the other hand rails as shown. There is a template provided to aid fabrication of these



parts. There are four of these fabrications together with the two cross spars.

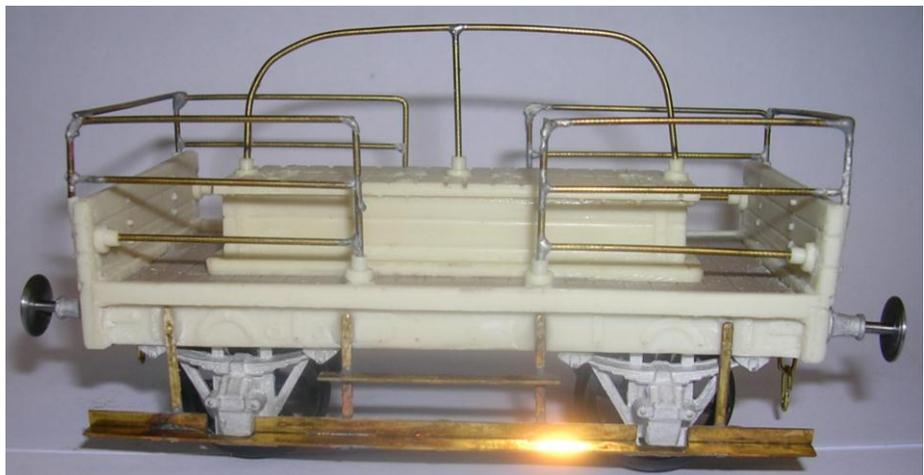
6. Next drill out the eight bosses (parts 8), to fit the wire provided. Push the bosses on to the ends of the handrails and attach the handrails to the wagon as shown.



7. Fold up the running board (part 10) and the four running board supports (parts 11) and solder together making sure that the two central supports have the half-etched lines on them. Then take centre step (part 12) and solder this into the half-etched lines using the slots in the back of the steps to help locate the steps as shown. Then repeat for the second running board assembly



8. Next, fit the running boards to the sole bars of the model as shown. You are now ready to paint the model in the livery of your choice.



## History of the Wagon

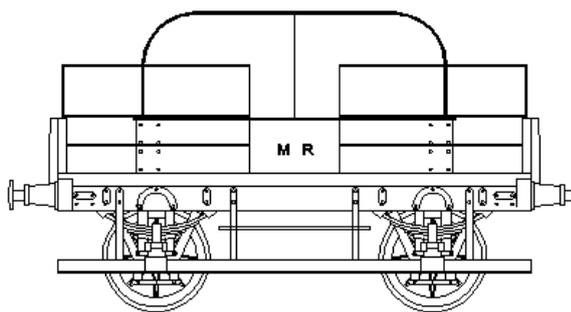
Very little is known about these wagons as they were never listed in the Midland Railway's order book. The wagons were probably built around 1900 at the company's own wagon works at Derby but the exact number of shunter's trucks built is not known. These wagons were built on the Midland's standard 9ft wooden under-frame with 3-plank ends, which could mean that they were cut down D305 low-sided goods wagons.

The only recorded numbers for these wagons are; 6286, 8455 and 25333. It is not known if all of the wagons were absorbed into the LMS but the custom was that Midland Railway wagons kept their original numbers in 1923. Some of these wagons did manage to last into early British Railways where they would have been given the prefix of M and would have been numbered M6286 for example.

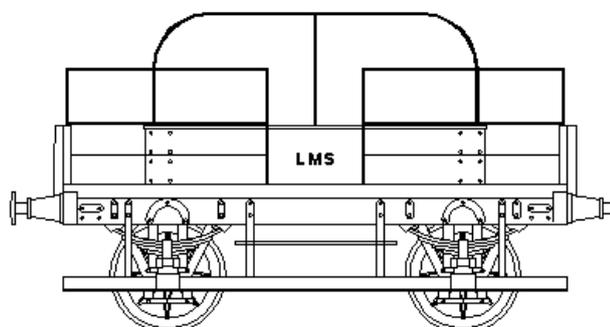
In Midland Railway days, the wagons would have been painted either very dark grey or even black. The wagons would have also been painted grey from 1923 and probably never repainted as the one dated photograph showing the wagon in BR is still in the early LMS livery.

**Liveries**

Midland Railway  
Livery Circ 1900



LMS early Livery  
Circ 1923-33



# *Furness Railway Wagon Co.*

## **Midland Railway/LMS/BR Shunter's truck**

1. Construction Manual,
2. One Brass Etch (Running boards),
3. One wagon chassis casting (resin),
4. One wagon Tool Box casting (resin),
5. One Wagon Floor castings (resin),
6. Four W-iron/axle box castings,
7. Four buffer plate casting,
8. Four buffer assemblies,
9. Two coupling hook springs,
10. Six coupling hook links,
11. Two coupling hooks,
12. 1mm wire,
13. Template sheet.

We recommend either Haywood Railway 3'1" split spoke wheels or 3-hole discs as both were used.

Transfers are available from POWSides, Slater's or on the HMRS LMS pre-grouping sheet.