

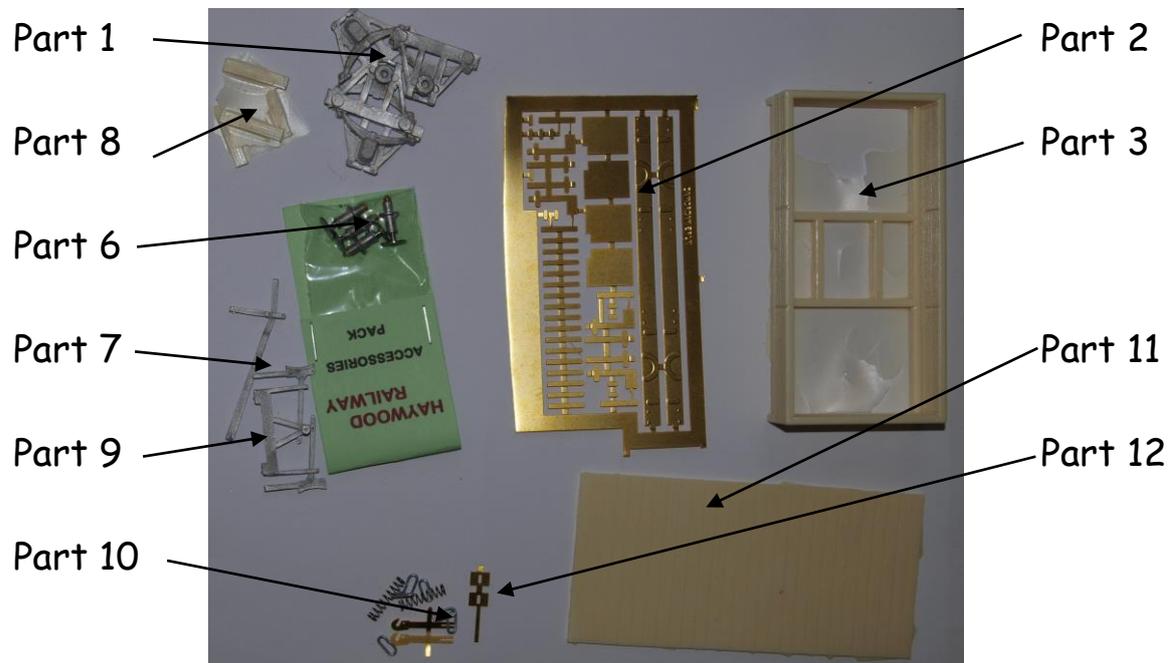
Furness Railway Wagon Co.

Cambrian Railways/GWR 10ton 2 Plank Open Wagon

Wheels, paint and transfers required to complete.

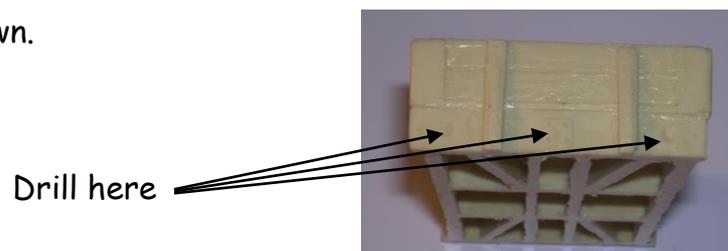
Please note that to aid the folding of the various parts score all the halfetched foldlines that are to be folded.

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.

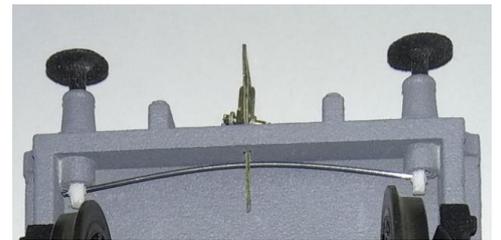


3. Glue in the buffer guides (part 2) into the buffer beam.
4. Drill out the holes in the ends of the buffer heads (Part 3) using a 0.5mm drill

1. slide the buffer heads through the guides
2. assemble the 3 link couplings (part 4) onto the hooks (part 5)

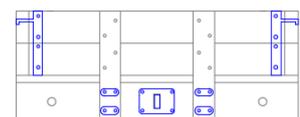
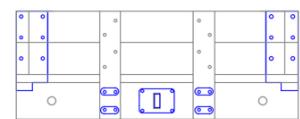


3. cut the piano wire (part 6) to length

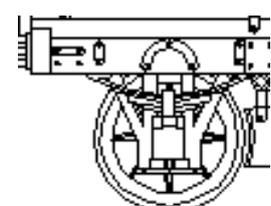


4. Slide the wire through the coupling hook, using the hole closet to the back of the buffer beam. Then slide it through one of the holes in the buffer heads. Once the wire is hard up against the back of the sole bar slide the wire back into the hole in the other buffer head

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. Top drawing for fixed side, bottom for drop side.

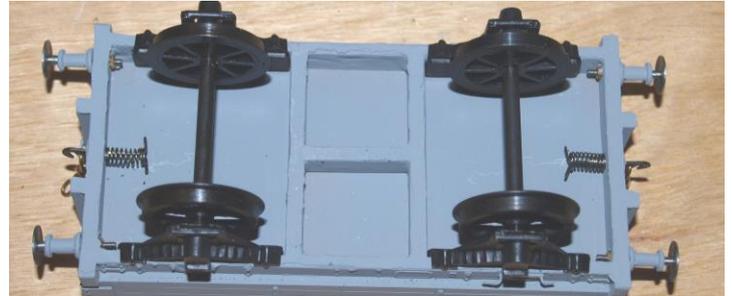


6. Assemble a wheel set, 2 x etched W-iron's (part 9), 2 x bearing's and 1 x wheel/axle unit and 2 Axle boxes (part 10), do not glue the bearings into the W-irons. Again using two-part epoxy resin, glue

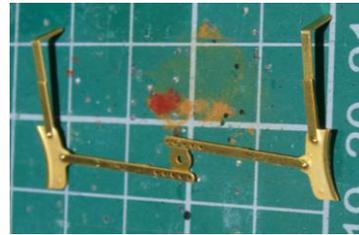


the assembled wheel set onto the sole-bars so that they are square and line up with the rivets as shown on the drawing.

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.

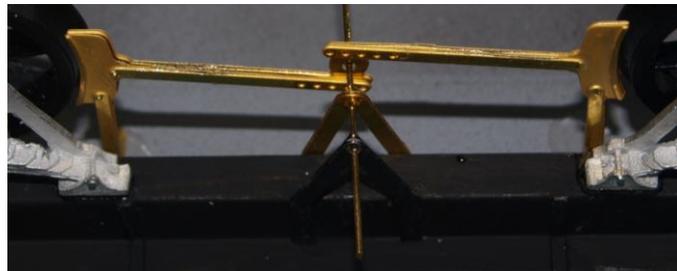


8. Then laminated brake block etch (part 11/12)



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 15) to the sole-bar and to the outside 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

Between 1876 and 1914 over 500 2 plank wagons with drop sides and 115 with fixed sides were built or came into the possession of the Cambrian Railways. Rated from 7 to 10tons these wagons were the backbone of the Cambrian Railways wagon fleet. Their main duties were the carriage of slate and general merchandise but they were also used as loco coal wagons and ballast wagons. Very early versions were built with dead buffers with those build after 1885 being built with sprung buffers. Those with dead buffer being relegated to the engineers dept.

Some of the wagons where photograph as far away as northern Scotland and south west England.

Most of the wagons were absorbed into the GWR. As these wagons had wooden underframes they would have been scrapped by the GWR quite quickly. However the last wagon of this type was scrapped in February 1968. In early Cambrian Railways days the wagons would have been painted grey with the iron work picked out in black. They would have had "CAM RLY "in large letters on the side of the wagon with a "Prince of Wales" plume of feathers in the centre. After 1915 this livery was change so that the word "CAMBRIAN" went right across the side of the wagon and the picking out of the iron work became optional. There is no specific shade of grey mentioned by the Cambrian Railways Company. The wagons would have also been painted GWR dark grey from 1923 to 1938.

Sample Running numbers

Drop-side

- 140 built Oswestry 1910 renumbered GWR 25992 scrapped 1943
- 642 built Oswestry 1901 renumbered GWR 27760 scrapped 1968
- 849 built Oswestry 1906 renumbered GWR 27909 scrapped 1941

- 1050 built Oswestry 1901 renumbered GWR 28621 scrapped 1948
- 1096 built Oswestry 1906 renumbered GWR 29032 scrapped 1939

Fixed-side

- 43 built Ashbury's 1882 scrapped 1916
- 44 built Oswestry 1877 renumbered GWR 25715 scrapped 1923
- 933 built Oswestry 1897 renumbered GWR 27983 scrapped 1928
- 947 built Oswestry 1895 renumbered GWR 28007 scrapped 1927
- 1185 built Oswestry 1907 renumbered GWR 29771 scrapped 1926

Liveries

Early Cambrian
Railways Livery



Late Cambrian
Railways Livery

Numbers



GWR early Livery
Circ 1923-36



Furness Railway Wagon Co.

Cambrian Railways/GWR 10ton 2 Plank General Merchandise Wagon

- One wagon body casting,
- One floor casting,
- Four end support castings,
- One brake gear etch
- One strapping etch,
- One W-iron etch
- Four axle boxes,
- 2 'V' Hangers etched,
- Four buffer guides
- Four buffer heads,
- Two pieces of piano wire ,
- Six coupling links,
- One set of etched coupling hooks.

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

Transfers are available from the Welsh Railways Research Circle.