

COOPER CRAFT KIT NO. 1010W - G.W.R. W1/W5 CATTLE WAGON

Assembly Instructions

1. Cut parts from the sprue and remove any moulding flash. Use a sharp craft knife for the small parts and a razor saw or nippers for the larger ones. Some extra parts are provided to enable modellers to make variations. Use a MEK type fluid adhesive applied with a fine paint brush.

2. Carefully cut the wagon sides and ends from the sprue. Very carefully cut away the "steel bar" from its feeds first, then the square strip above, then cut the sprue from the body. There is least danger of breakage in this order. If the bar does break carefully stick it together with liquid cement for an invisible repair.

Cement the four body sides together and check for squareness.

Fit the floor inside the body shell, trimming to fit if necessary.

3. Place the steel ballast weight in the centre compartment under the floor with the words COOPER CRAFT over the compartment to retain the weight in place. Add the vacuum cylinder and crank as shown for the W5 version.

4. Cement the brake shoes and rods into the position shown, making sure that these do not foul the wheels.

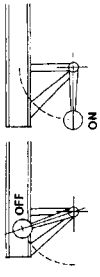
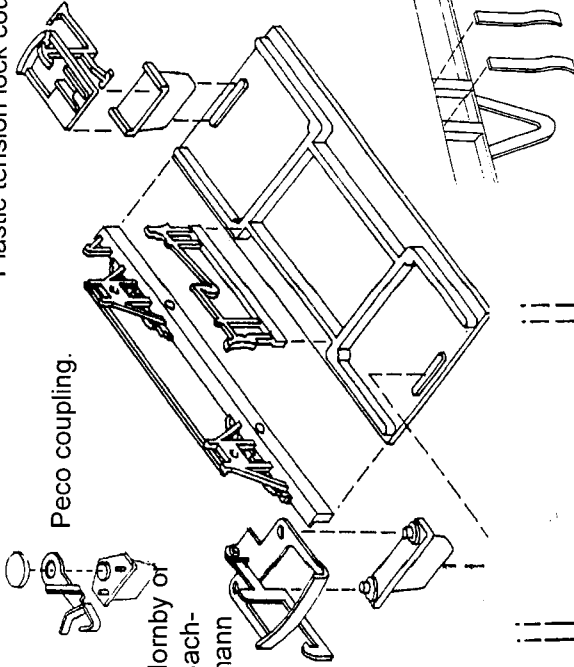
5. Gently squeeze the brass bearing cups into the axleboxes. Cement the side frames to the floor locating the solebars against the floor ribs as shown, BUT check that the side frames are the correct distance apart for the wheelsets being used. - it may be necessary to insert a small plastikard spacer. **MAKE SURE ALL IS SQUARE BEFORE THE ADHESIVE SETS.** The wheelsets can be dropped into place by gently springing the axleboxes apart, but painting is easier without them in place.

6. Fit the partition in one of the three locations, add a couple of cows if you like, then cement on the roof. It will sit better if you chamfer off the corner of the tee irons at the top of the doors..

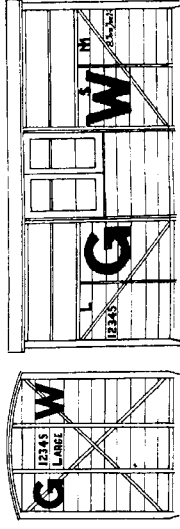
7. Cement the coupling hook and buffers in place. Round off the buffers if needed with a fine file. Three link couplings (not supplied) may be fitted in place of the dummy hook.

8. Three different types of coupling bases are provided. These are for the small plastic tension lock coupling supplied, the Peco Simplex auto coupler, or a standard Hornby tension lock coupling. If you use the plastic tension lock coupling be careful not to get

Plastic tension lock coupling.



Dean-Churchward brake levers.



Positions of transfers.

The W1 cattle wagons were introduced in 1888 with one side lever brake and grease type axle boxes, but later fitted with Dean-Churchward cross cornered brakes and freer running oil filled axle boxes as depicted in this kit. No fewer than 1260 were built between 1888 and 1904 reflecting the importance of live cattle traffic in those times. They remained in service until the demise of cattle traffic on British Railways. W5 wagons, of which there were 560, were the vacuum brake fitted version of W1; either type can be built using this kit. Between 1902 and 1911 many W1 wagons were converted to W5 at Swindon. Cattle wagons came in three sizes, small medium and large. The Great Western thought it wasteful to have three sizes of wagon so built only the large, but with a patent moveable partition to reduce the space available for the smaller user. This feature is modelled and the partition should be fitted opposite the letters S or M or right up at the end for large. The framing of the partition faced away from the animals, see the transfer placing drawing for the position of the letters.

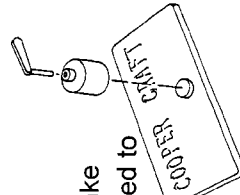
There are many other Cooper Craft kits available in both 4mm and larger scales.

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COOPER CRAFT .
BROOM LANE OAKE
TAUNTON
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Location of side frames, floor and body sides

Position of vacuum brake cylinder and lever as fitted to Dia. W5 cattle wagon. (Vacuum fitted stock)



cement on to the hook pivot.

9. Cement a brake lever into each brake lever bracket in the OFF position if the wagon is to be used running in a train, fit the door drop springs, and for the W5 version the vacuum hoses on the ends where marked.

10. The corners of the wagon body can be very lightly rounded off so that they look like folded steel. Wait until the cement is really dry.

11. Paint the wagon in G.W.R. wagon grey including the underframe and wheelsets, except for the roof which was white - when new at least! Weather with dirty white for the slaked lime