

## **R Y PICKERING PRIVATE TRADER WAGON**

### **Components needed**

Buffers – Gibson 4961 will give you a pair each of the two types needed. The ones with the lip on the top of the casting go at the door end of the wagon to act as a restraint to the floor.

Brake gear – Bill Bedford does an etch of 9' RCH gear which gives you four wagons worth. From Eileen's Emporium, ref CES900/4. Otherwise, Masokits. Brake gear is on one side only.

Axle boxes - Ellis/MR for the Wilson & Clyde version. MJT 2246 with springs, or 2246A without. Oakbank/Hamilton Palace GNR grease from MJT ref 2253, or NB grease from Wizard Models.

### **Side door hinges**

The original plan was to drill through the two cast hinges vertically, to make a secure fitting for the wire hinge. Unfortunately, when I tried to do this on a casting, the hinge broke off. The best bet now is probably to chemically blacken sufficient wire (0.015" diameter) for four hinges and then fit the individual pieces between the cast blocks with cyano.

Alternatively, cut the cast hinges off and make the whole thing on the bench from Plasticard. Drill 0.015" (no. 78) up the end of a 0.030" square strip. Take the corners off on two of the sides. Cut into lengths to form cubes. Thread two pieces onto a over-long piece of 0.015" wire and fit the flat sides to the door iron work. You can then remove the wire and cut it to its proper length before re-inserting. Only 3 more to go.....

### **End door hinge**

This time it is possible to drill through the sides. Diameter of wire is 0.025." Once again, chemical blackening gives the cleanest finish. Wrap three narrow strips of sellotape around the wire to simulate the attachments to the iron work on the inside of the end door.

### **End door catches**

Easiest, and this is a relative term, to make from brass shim, formed round a d-shaped jig, soldered back on itself and fixed with cyano. Circular grab handle in middle of door is easy by comparison. Form 0.010" wire round a 1.2mm drill – unless of course you still have some Grandt Line plastic rings left.

### **Door chains (4 per side)**

One strand of fine copper wire from flexible cable, folded over and both ends caught in a pin chuck. Loop end over a 1mm diameter wire set vertically in bench vice, twiddle pin chuck, keeping the wire taut, and "chain" forms as if by magic. Blacken, then drape artistically.