

# Heywood Top Wagon

MGR-001

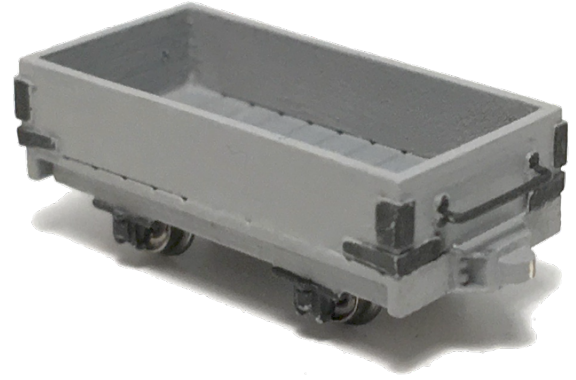
6point5 MINIMUM GAUGE

## Prototype Info

The Eaton Hall Railway was an early 15 in (381 mm) gauge minimum gauge estate railway built in 1896 at Eaton Hall in Cheshire.

Heywood provided thirty open wagons, each wagon carrying about 16 long cwt (813 kg) of coal or 22 long cwt (1,118 kg) of bricks. The wagon 'tops' were removable to allow them to be used as flats, and bolster fittings were supplied to carry long items such as timber.

This kit represents a typical example, although the gauge has been increased from 15" to approximately 18", so the model will run on 6.5mm gauge track.



Thank you for purchasing this 6point5 kit, we hope you enjoy building and operating it. Please read through the instructions thoroughly before beginning assembly.

### Tools required:

Sharp craft knife or scalpel  
Tweezers  
Needle file

Wet and dry paper  
Superglue.

## About the kit

The kit is comprised of a 3D printed plastic body including chassis and a fret of etched brass detail parts. Limited folding of these parts is required and they can all be glued in place. We recommend sparing use of liquid superglue for assembly, ideally using a bottle with a thin applicator nozzle. Due to the nature of the 3D printing process, some support material may still be present on the body. This waxy residue has been cleaned during our checking process, but it can be a good idea to submerge the model in white spirit, agitated gently with an old tooth brush and leave to dry.

Please note this is a scale model for adult collectors and not intended for children under 14 years of age.

## About 6point5 Minimum Gauge

6point5 was founded in 2017 with support from Narrow Planet. This kit is part of a small range of minimum (sub 2ft) gauge prototypes and was designed by James Hilton. If you have any queries about the model or instructions please get in touch.

## Contact Details

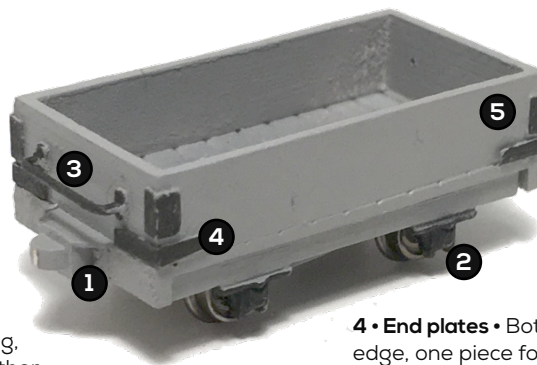
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## Parts Placement

**3 • Handrail** • Handrail formed from 0.4mm brass wire and painted black.

**1 • Couplings** • Push magnet into coupling, and mount to suit other rolling stock.



**4 • End plates** • Bottom edge, one piece for each end, fold corners and glue in place.

**5 • Corners** • Fold up and glue in position. Touched in with black paint.

**2 • Wheels** • Wheels to be fitted last, axle boxes touched in black paint but keep the pin points and holes free from paint.

## Assembly Notes

**1 • Clean up the 3D printed body** • Use a fine wet and dry paper (640 then 1200 grade if possible) in water to achieve a smooth finish to the box wagon sides and interior. Rinse the model in a white spirit to remove any traces of printing residue or grease from handling.

**2 • Check the chassis** • Insert the wheels into the chassis before assembly and check they are free rolling. If necessary gently scrape away any build up of residue in the axle box pin points.

**3 • Assembly** • The 3D parts can be assembled with superglue. The chassis top is glued to the frames, and the box top then glued to this sub-assembly. The kit is provided with magnets, these must be arranged to couple up, note orientation needs to be different at each end of the wagon - check this before gluing in place.

**4 • Detailing** • The etched parts can now be carefully removed from the fret, taking care to only remove the parts you need to avoid the risk of loss or damage. Carefully remove each part from the fret using a sharp knife on a cutting mat or similar hard surface, or sharp needle nosed scissors to minimise the risk of damaging thin parts. Clean up the tags and fit as per the diagram below with superglue. A hand rail can be formed from 0.4mm brass wire.