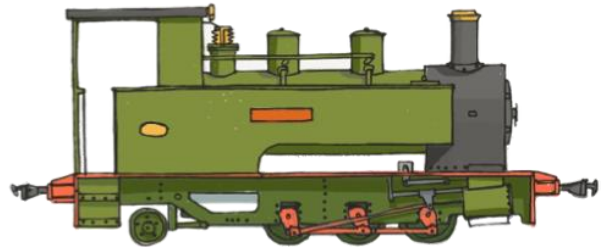


Bowaters

MODELS

specialising in distinctive 16mm models



Bowaters Models – BMGB Series Instructions

GWR Toad Brake Van



Requires

- Slaters Plasticard 1:32 Wagon Wheels
- Walshall Engineering 3 Link Couplings

Required Tools

- Fine Sandpaper/Emery paper or boards
- Small Files
- PVA Glue
- Super Glue
- Sharp Craft Knife

Prototype Information

These and similar wagons were used around the western region for a wide range of applications. The examples designed cover the most well known GWR brake van in the form of the 'Toad'.

About the Kit

The kit is a wooden kit comprising of a set of laser cut wooden parts and 3D printed sections.

Chassis Fitting

This kit is designed for the Bowaters Models Brake Van Chassis. This is assembled as per the instructions.

Couplings

This kit is designed to make use of Walshall Engineering 3 Link Couplings which are to be mounted in the prototypical location.

Instruction notes

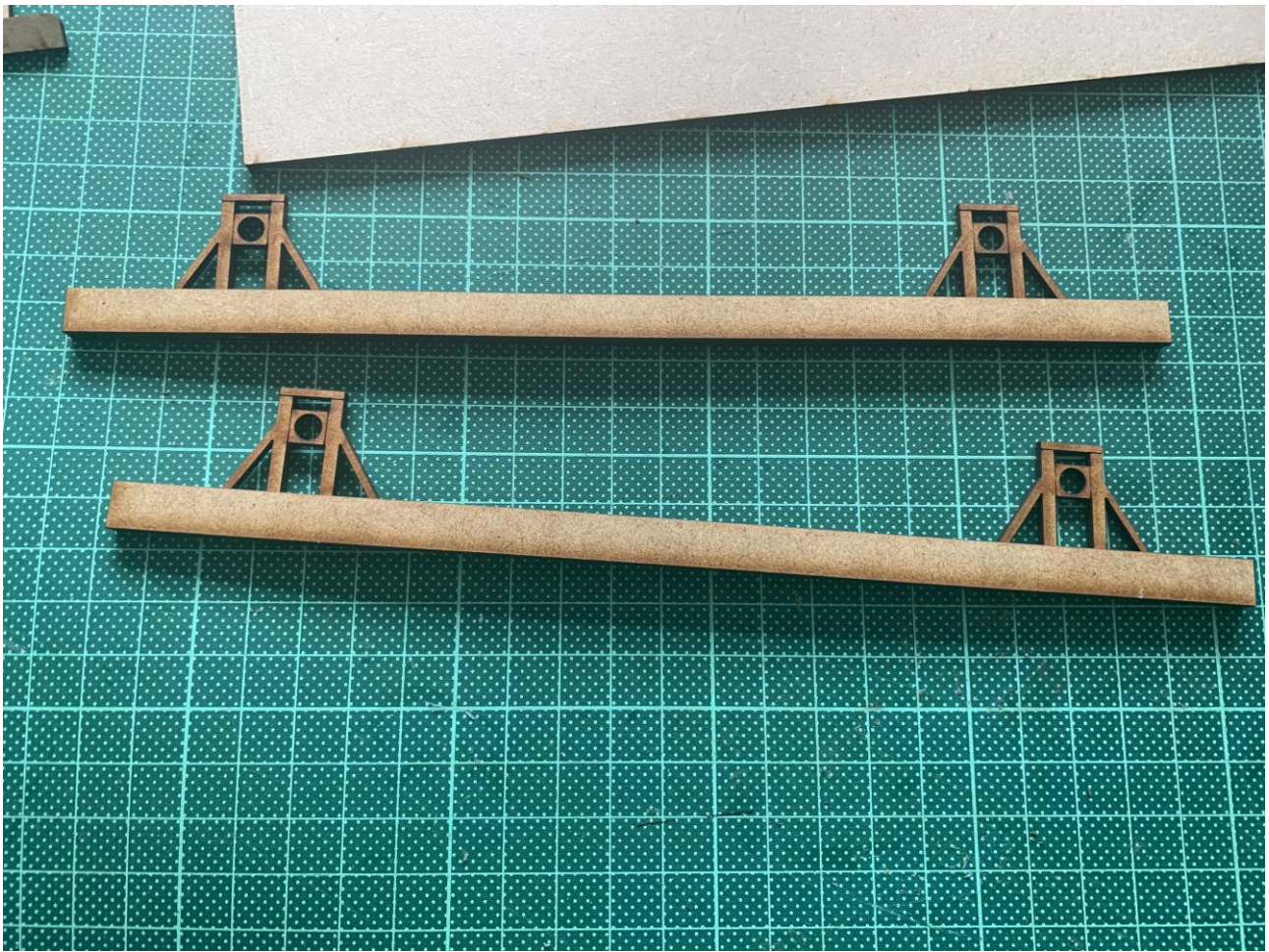
With these instructions, there are images which show various stages of the construction of one of the kits. They are of the Test build for BMGW-004 and BMGW-103 which isn't representative of the kit you have brought. They are for reference purposes only.

Painting

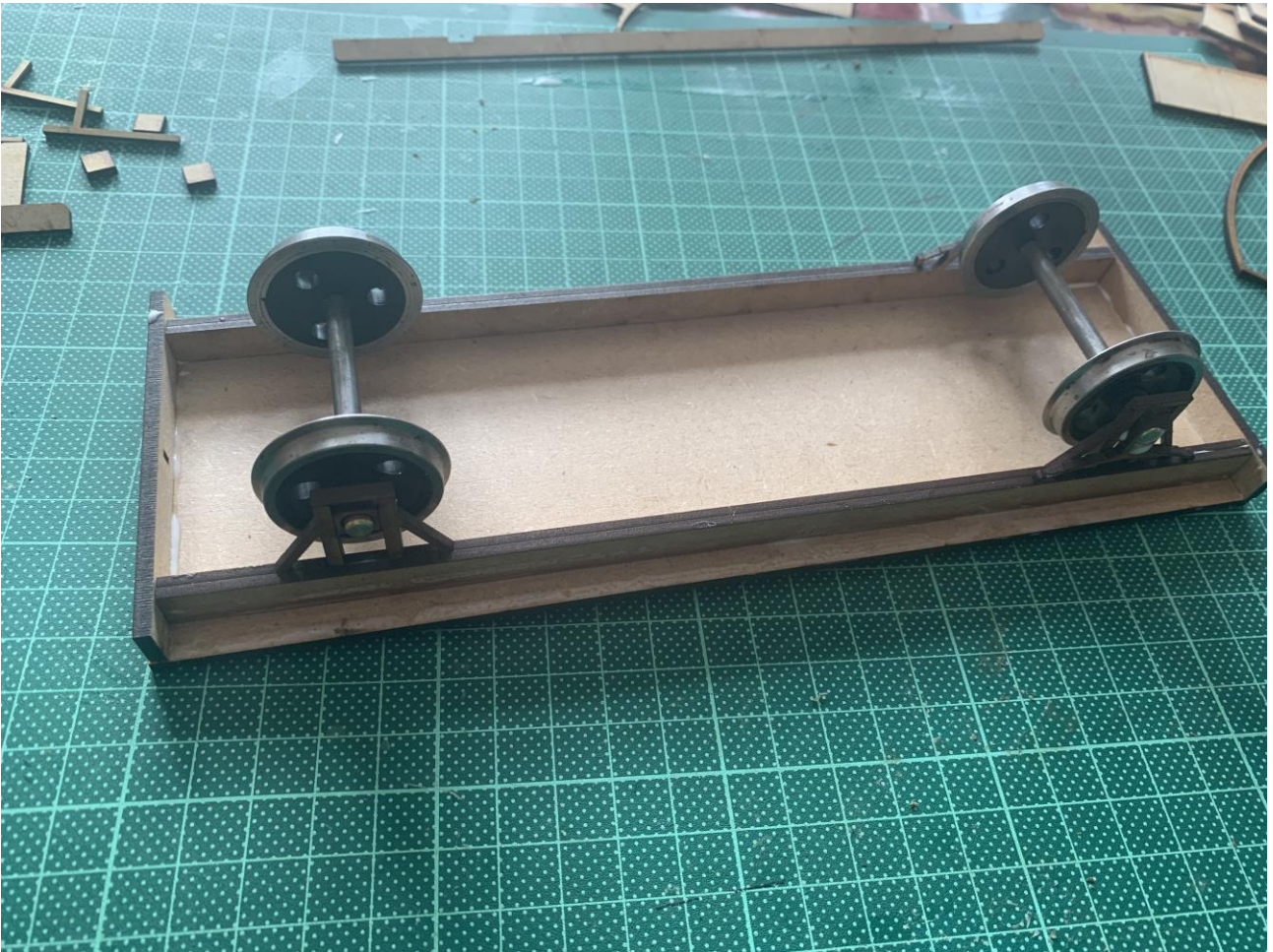
For painting, it is recommended you refer to prototype images to ensure the models are in the condition that you model (Pregrouping, Grouping or Nationalisation).

Please Turn over

Please read though these instructions before beginning to assemble your
kit



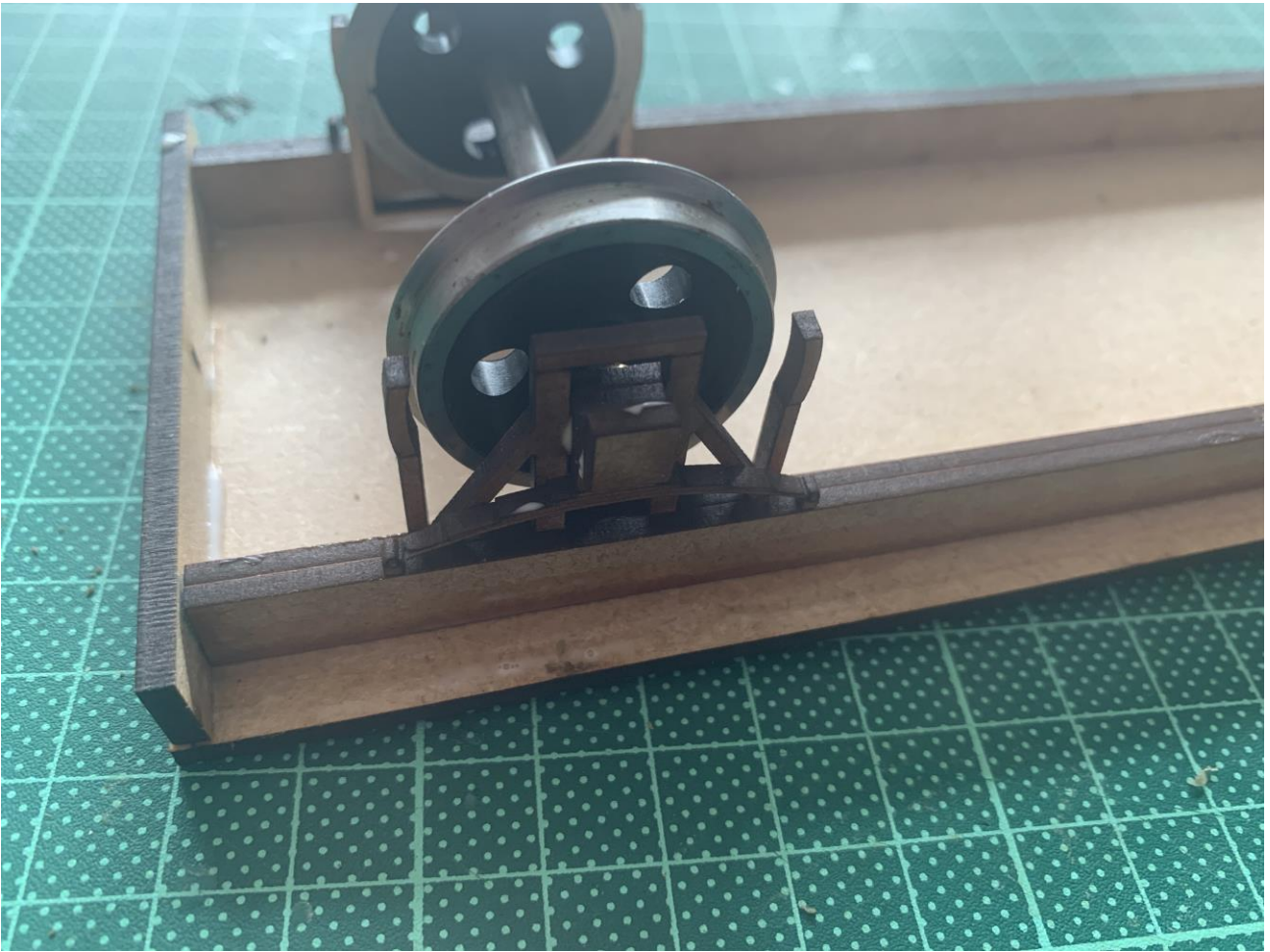
Start by assembling the side beams for the chassis. There are two pieces per beam which are glued back to back with the etched detailing on the outsides. Each side is different to the other.



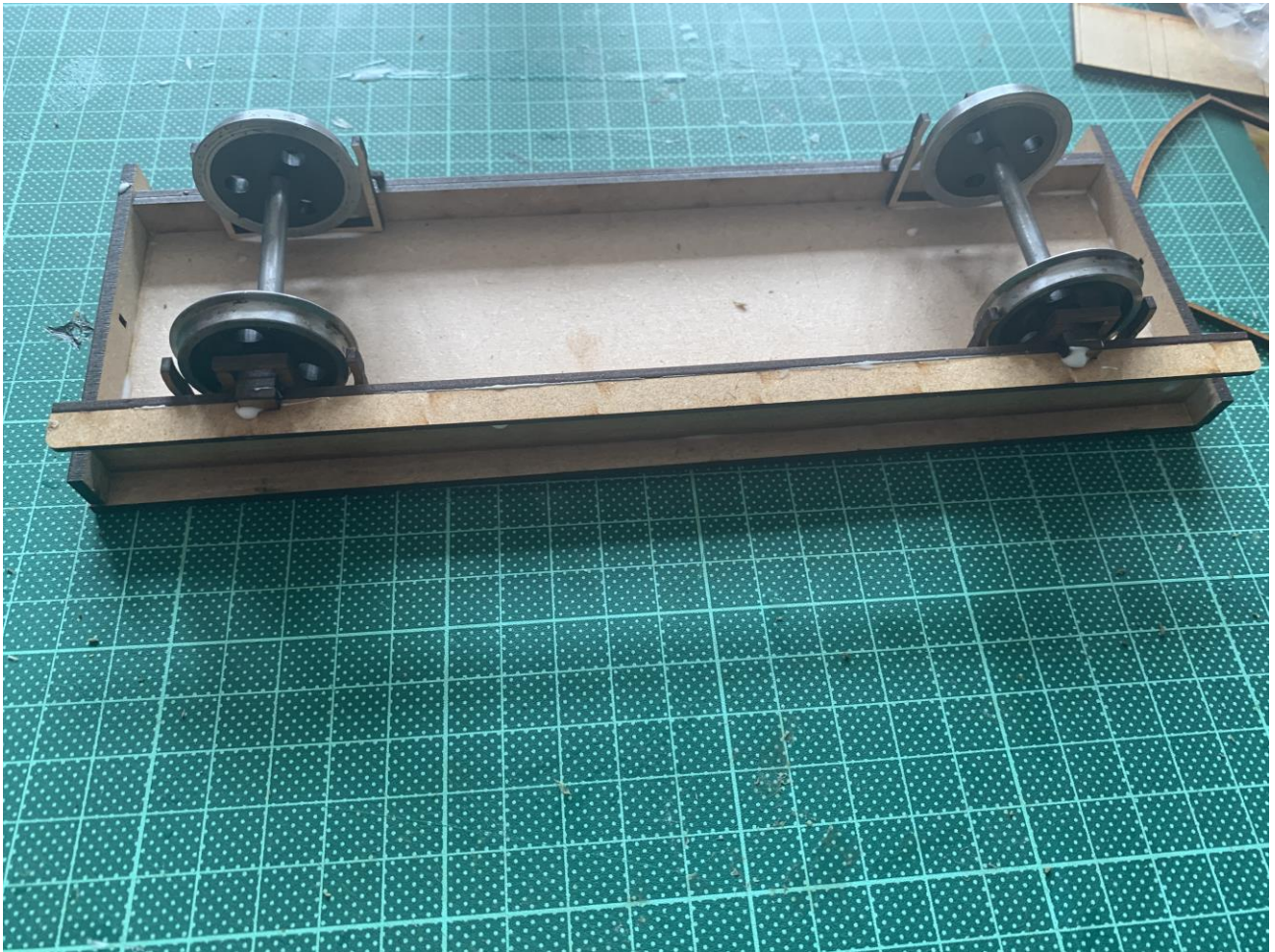
Next, glue the bufferbeams onto the ends of the chassis plates in the middle of the model. Then glue the chassis sides in place while inserting the wheelsets at the same time. This will produce a rolling chassis in a single step.



Next step is to glue on the spring detail and axlebox covers. This sits on the outside of the axleboxes.



Next, glue into place the brake blocks on the bottom of the chassis. There is one set per wheel.



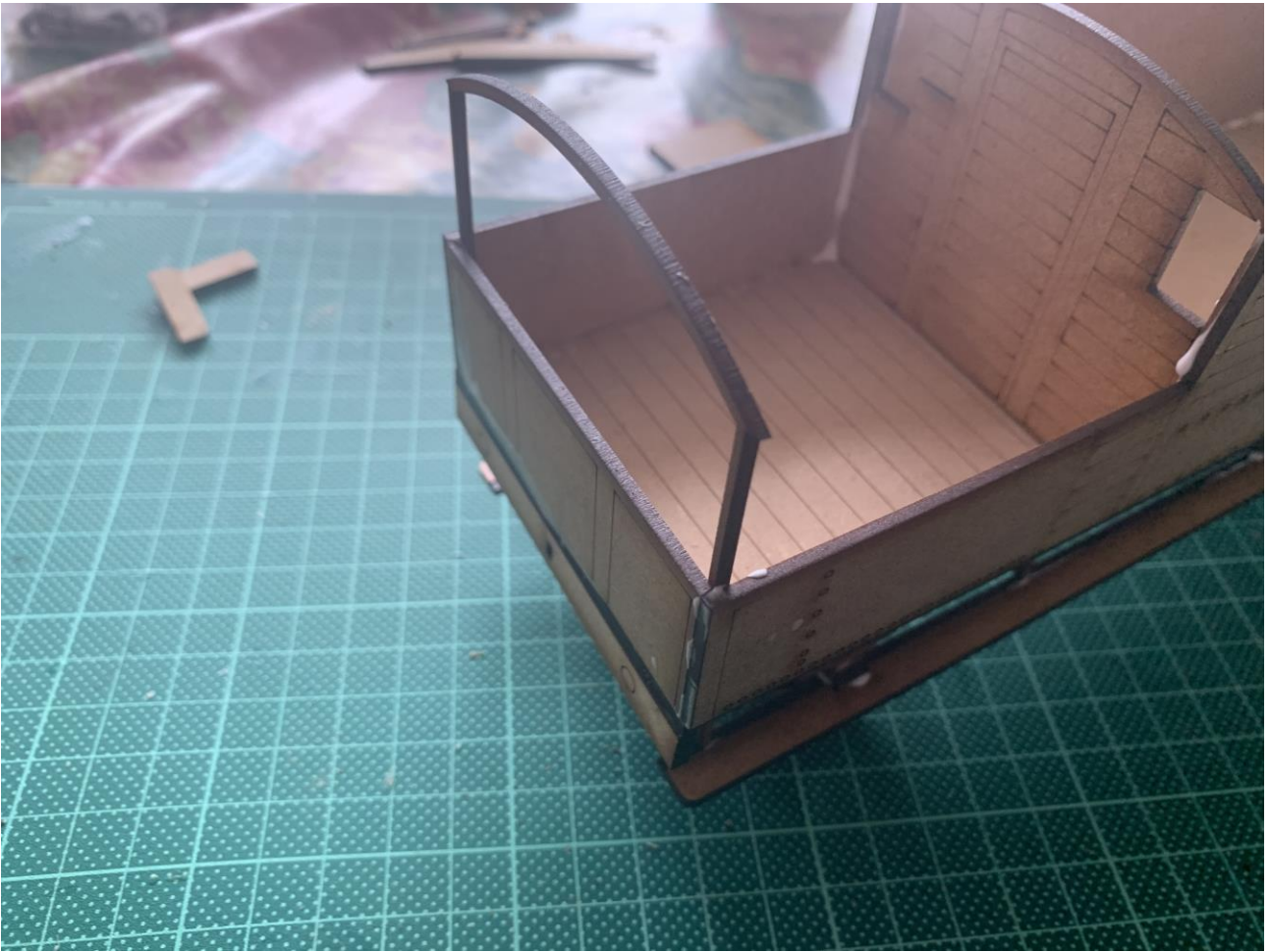
To assemble the footsteps, glue the longer steps on the bottom of the footsteps then glue them onto the sides of the chassis. The cut outs in the footsteps slot over the axlebox covers



To start construction of the body, glue the internal partition and the end piece as well as both of the side pieces.



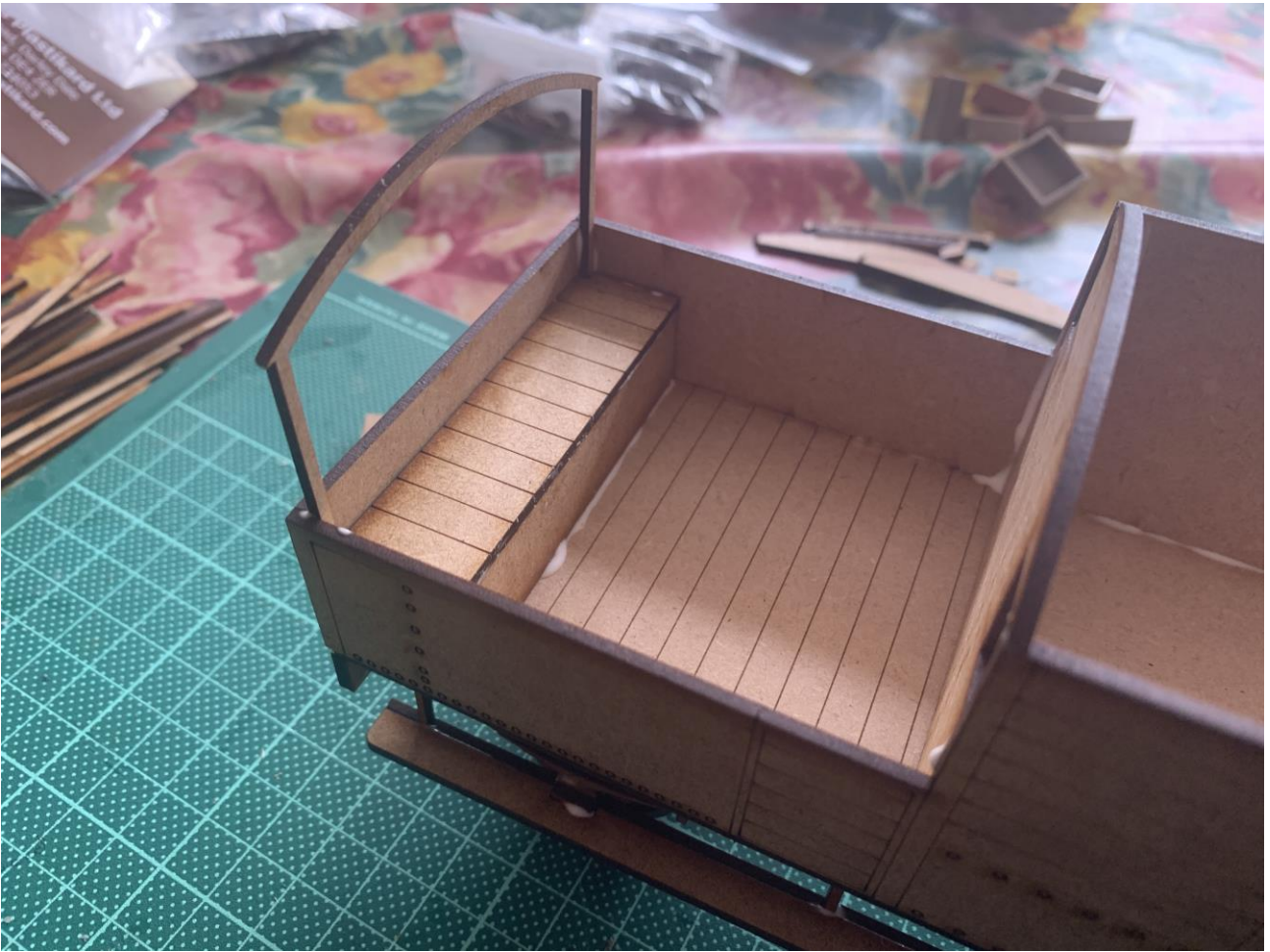
Next, glue in the Veranda End piece between the side panels.



Now, glue into place the roof support which sides inside the compartment formed by the end and sides.



Now start on the internal seat. Glue the rear support between the roof uprights at the end of the veranda.



Next, glue into place the seat top and seat front into place. The seat has two notches that slot into the roof upright.



Next, glue on the roof of the brake van ensuring it is fully covered using the strips provided.



To finish the chassis construction, glue on the small footsteps onto the top of the chassis.



Now its time to start on the strapping. Start by gluing into place the end strapping

The buffers are formed of two pieces. The first part is to glue on the 3D printed buffer housings into the respective locations as marked on the bufferbeam. For those who wish to use sprung buffers, there is a half etched circle for you to drill though to place the buffers in the correct location. The final stages of the buffers is to glue in the Brass Pins into place to form the buffer unit. Some straightening of the buffers maybe required due to their manufacturing.

Coupling wise, these are installed by sliding the coupling hook though the bufferbeam and then pinning the spring in place using a split pin (which is supplied with the couplings).

Your Model is now complete.



We hope you enjoy your Bowaters Models kit! If you have any questions, don't hesitate to contact us on info@bowatersmodels.co.uk

We thank you for your custom.