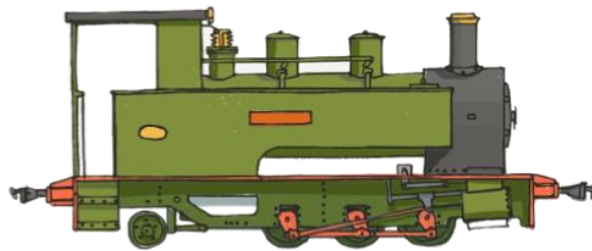


Bowaters

MODELS

specialising in distinctive 16mm models



Bowaters Models – BMGW Series Instructions LSWR/SECR/LBSCR Box 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 United Kingdom for a wide range of applications. The examples designed cover just three of the many versions that operated in the south of England.

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 Wagon 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

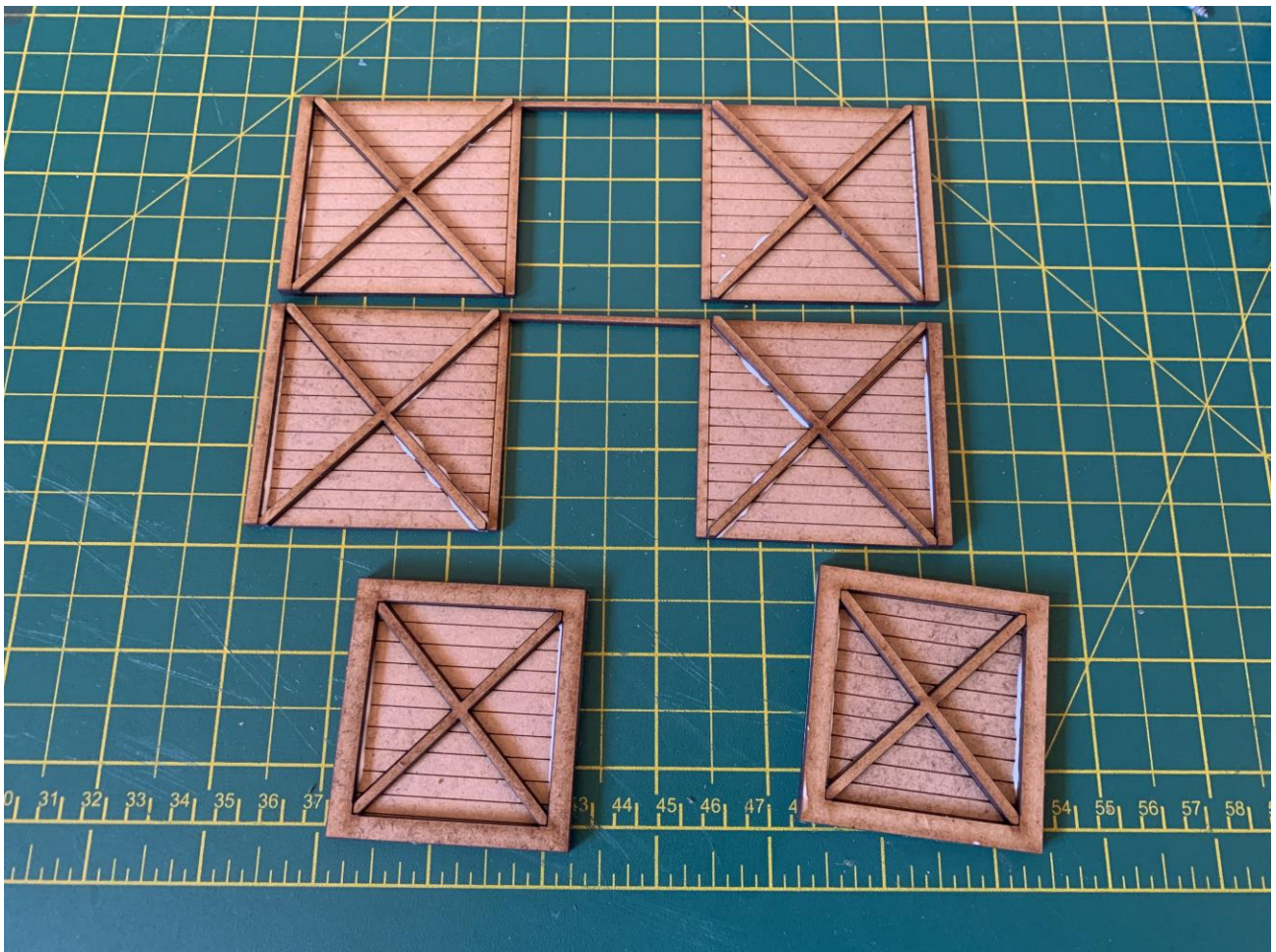
With these instructions, there are images which show various stages of the construction of one of the kits. They are of the Test build for BMGW-004 and BMGW-103 which isn't representative of the kit you have brought. They are for reference purposes only.

Painting

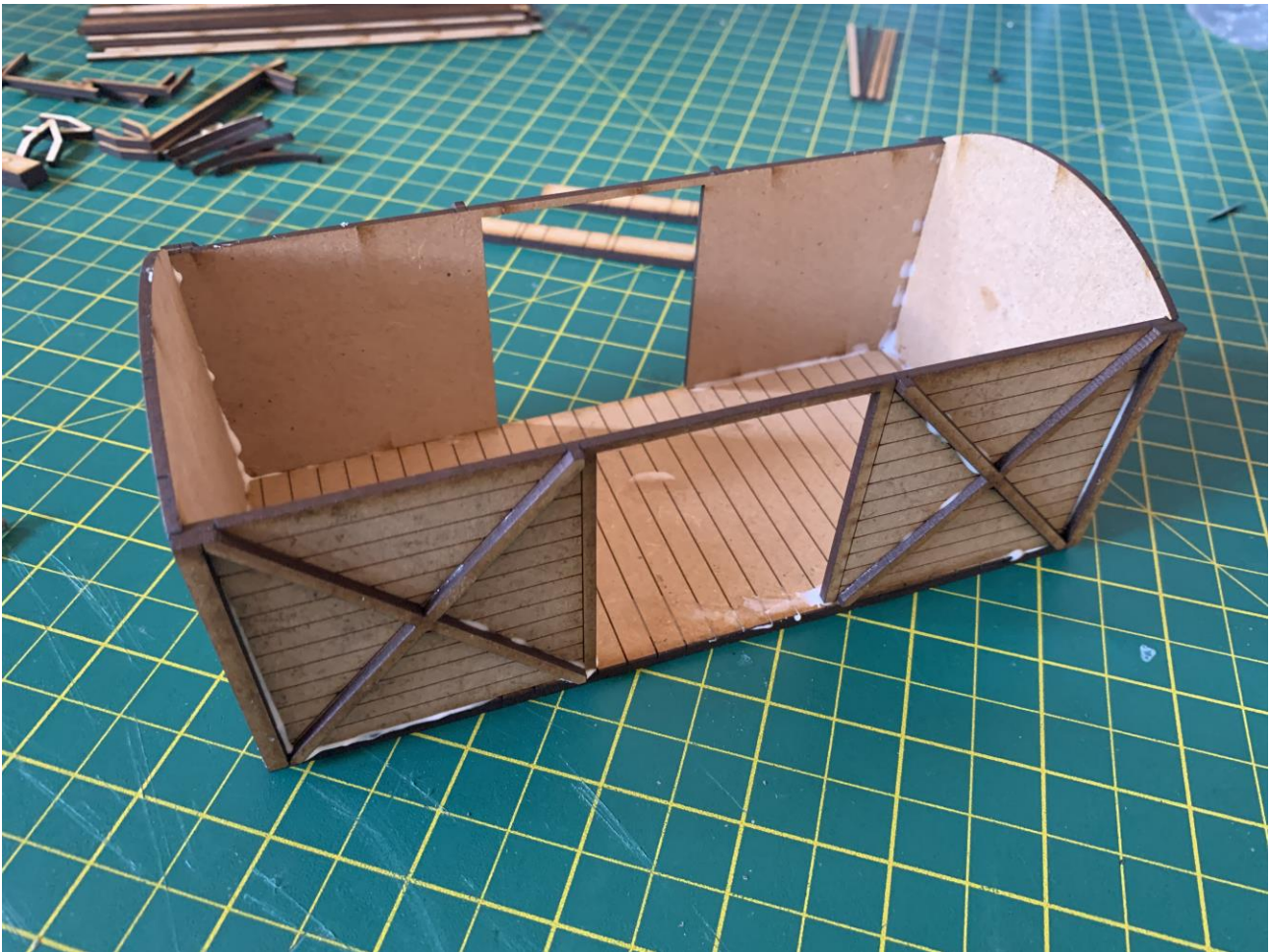
For painting, it is recommended you refer to prototype images to ensure the models are in the condition that you model (Pregrouping, Grouping or Nationalisation).

Please Turn over

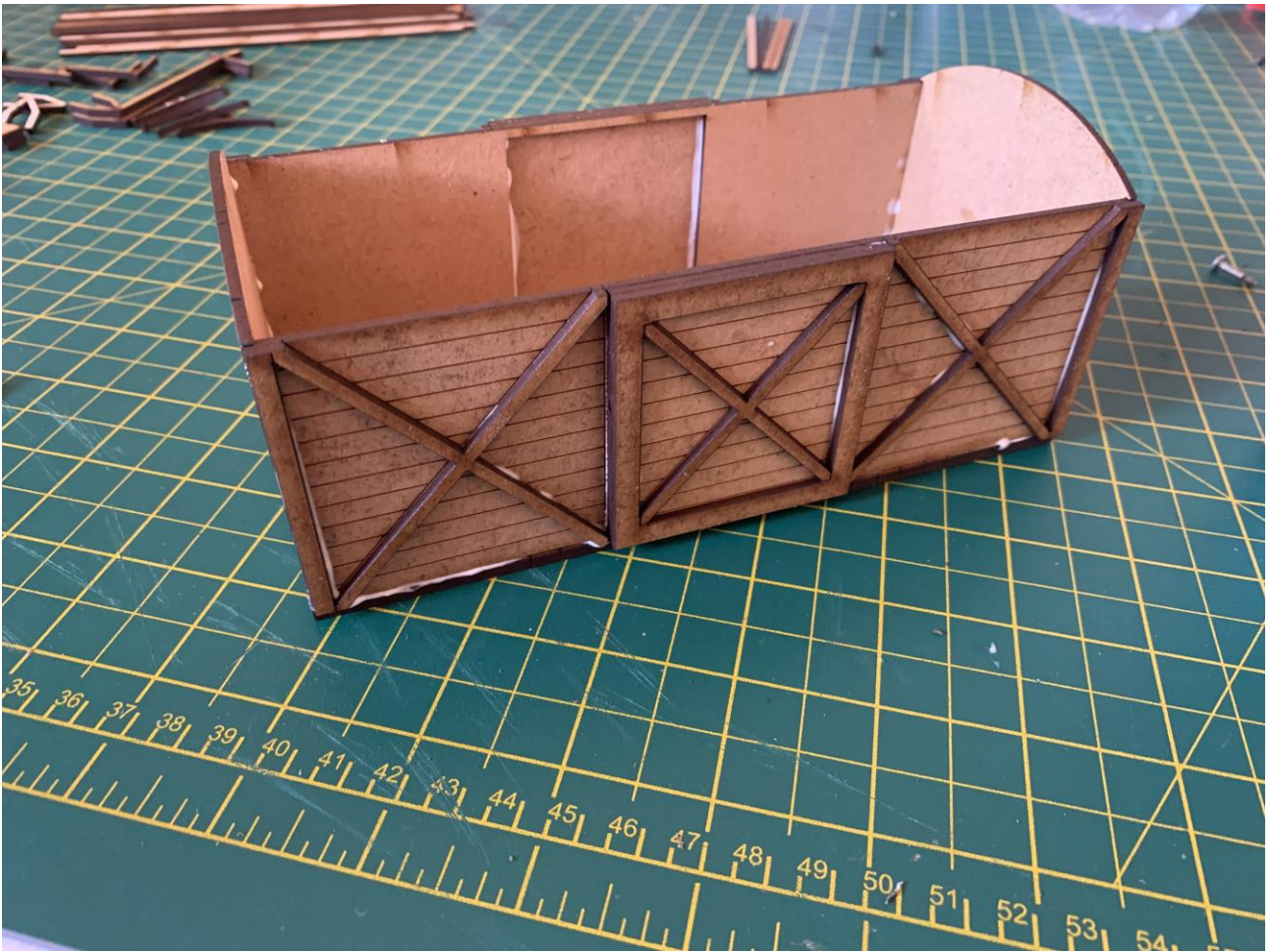
Please read though these instructions before beginning to assemble your
kit



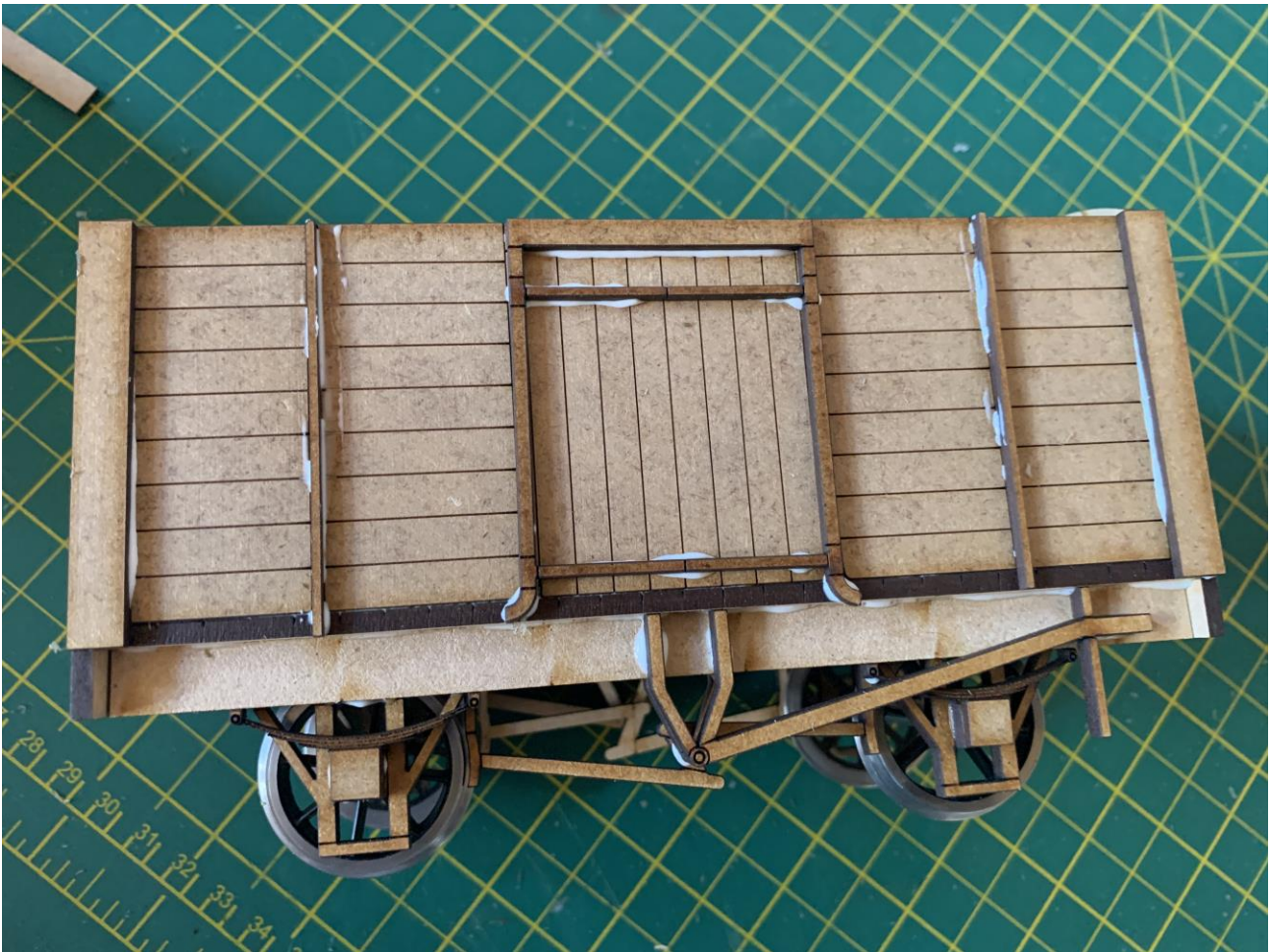
LSWR – To start off, glue the outside cross braced beading onto the outside of the door and van sides/



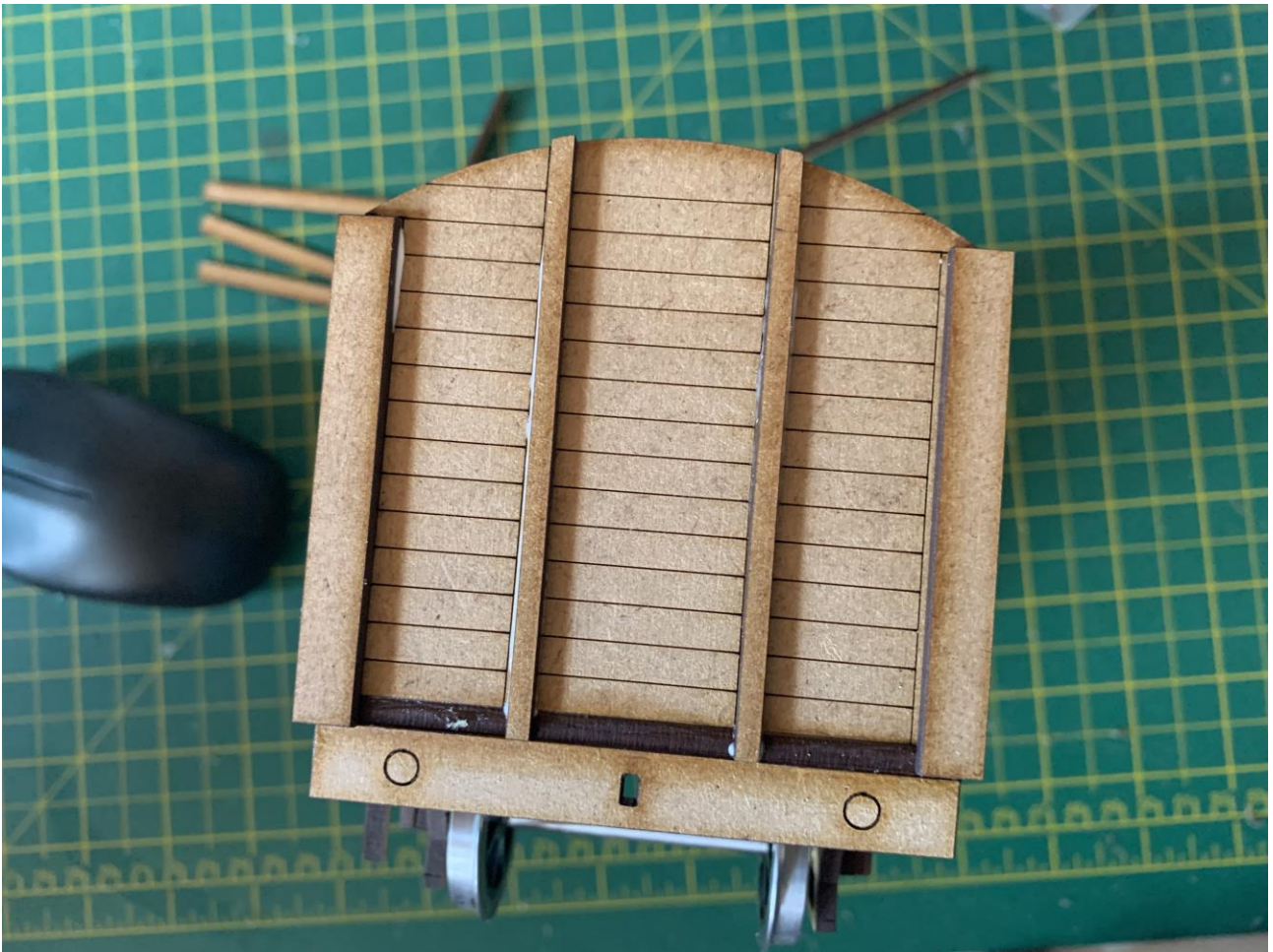
LSWR/SECR/LBSCR - To start assembly, glue the two sides and end pieces onto the chassis plate making sure all the main parts are flush with the sides.



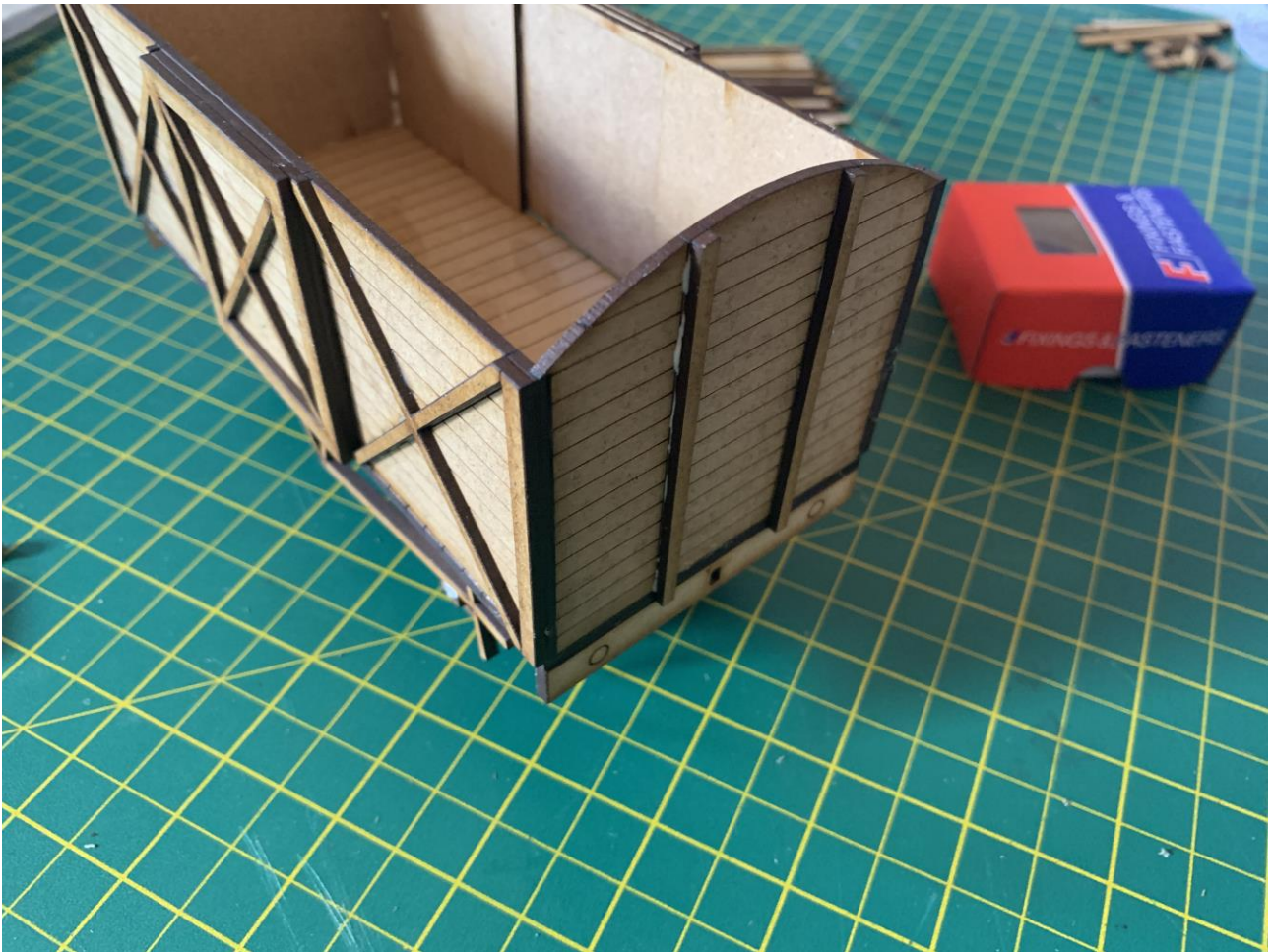
LSWR - Next, glue on the doors onto the outside of the sides.



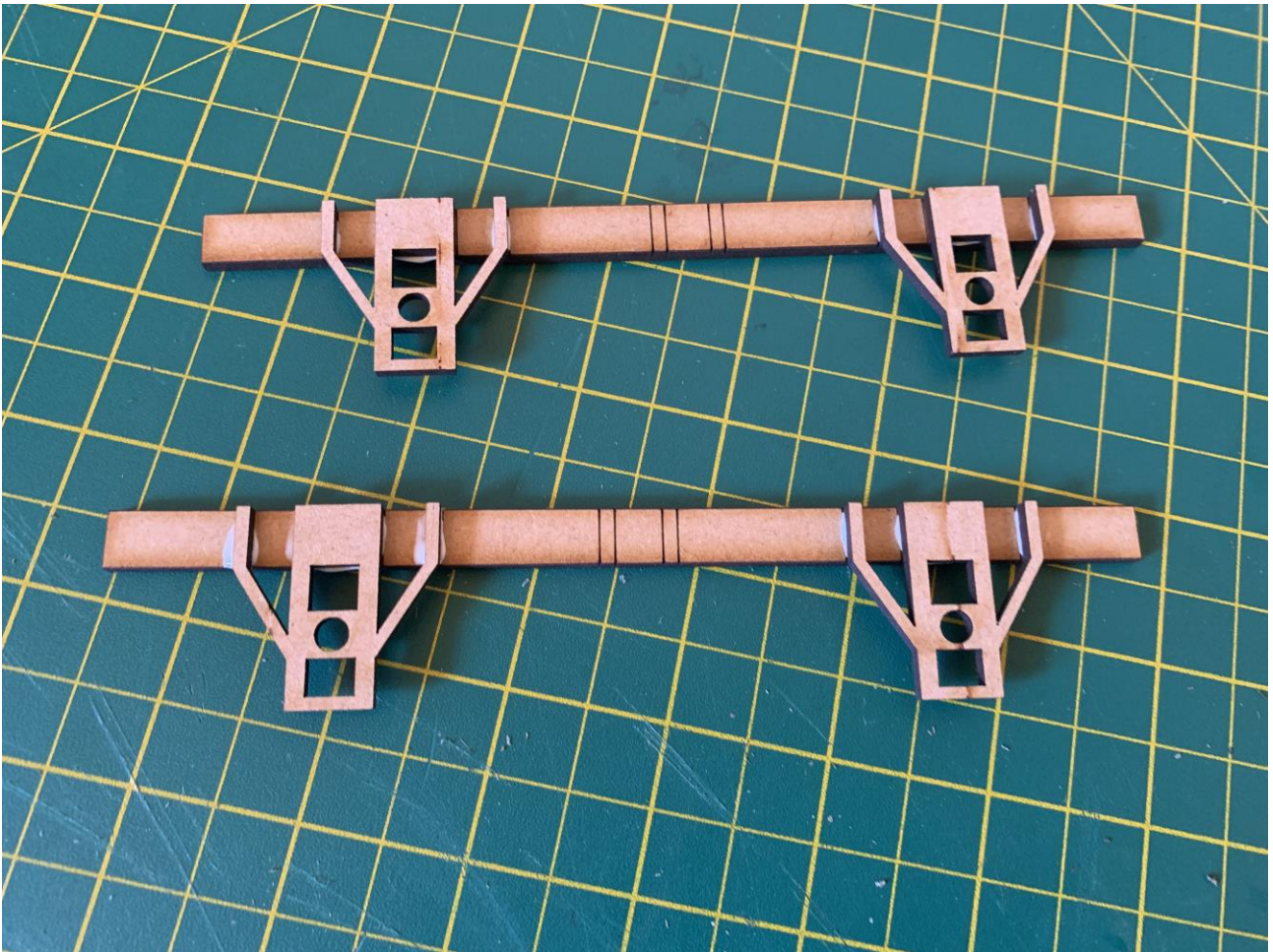
SECR/LBSCR – Regarding detailings on the SECR/LBSCR box vans, glue on the outside strapping and door section onto the outsides of the box van.



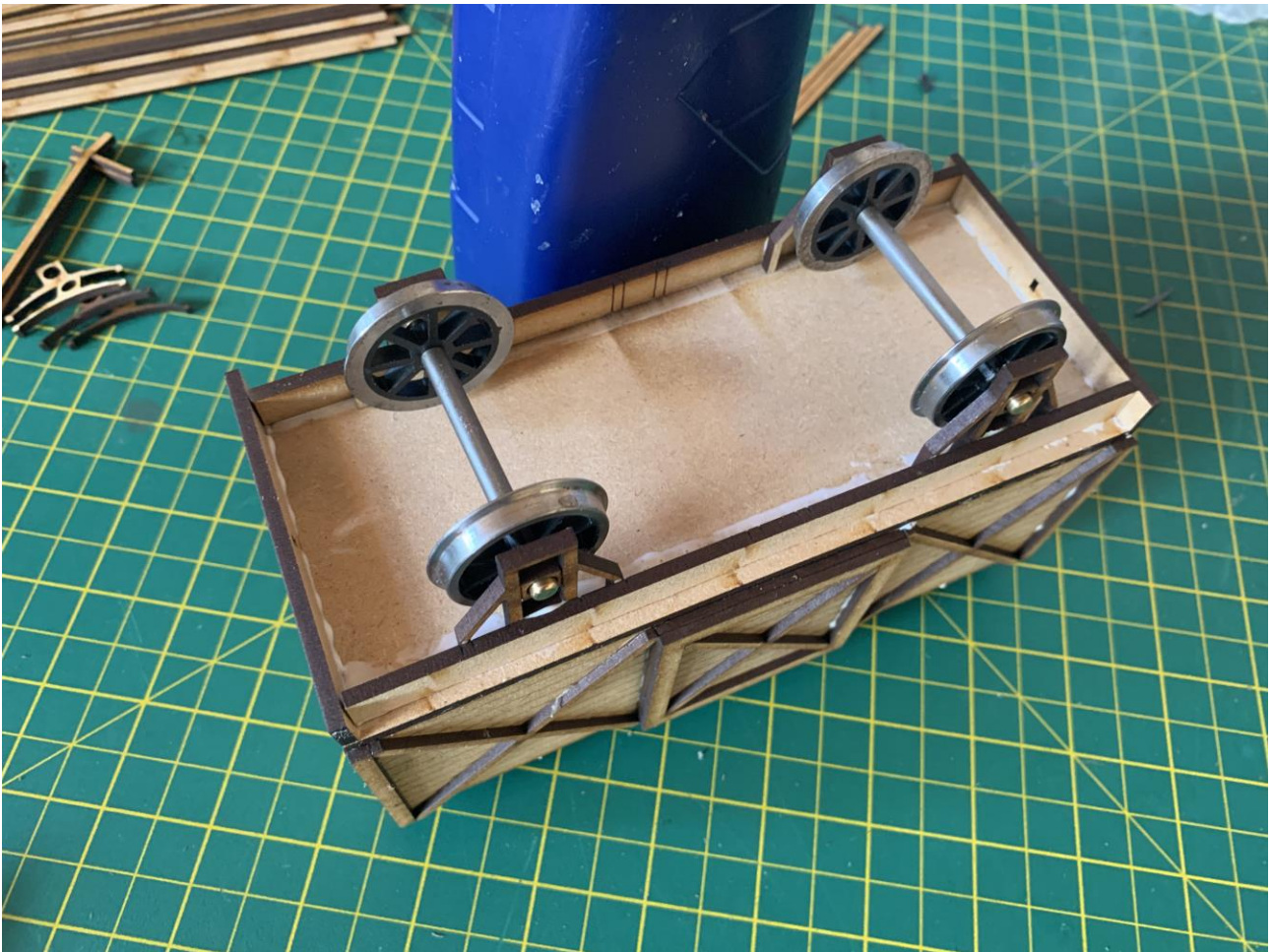
SECR/LBSCR – These wagons feature end strapping and end supports which are glued over the etched marks on the end.



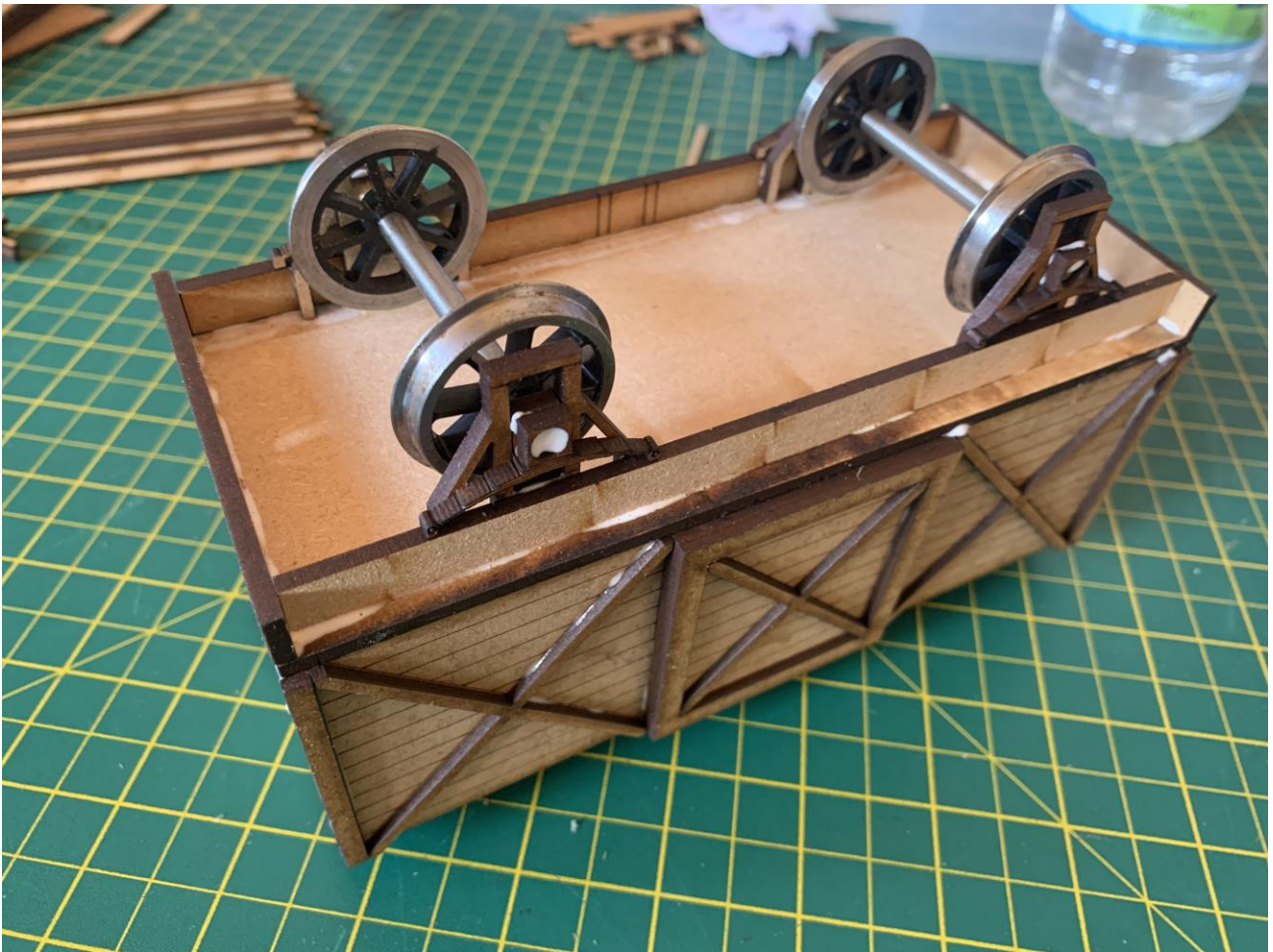
LSWR – These wagons only feature end supports which are glued over the etched marks on the end.



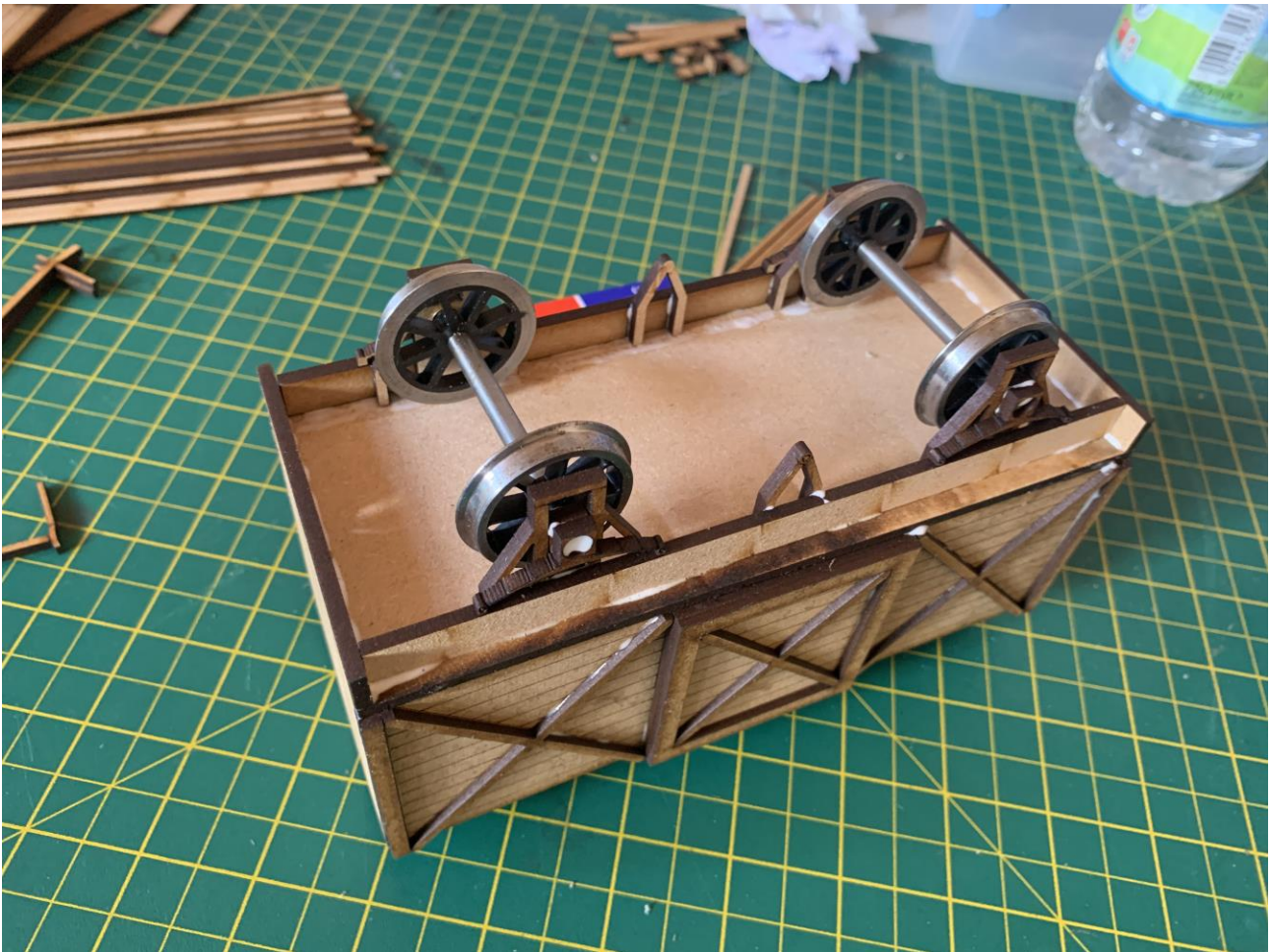
To start assembly of the chassis, start by gluing the axle boxes onto the chassis sides. The sides have etched lines which show the correct location for them on the chassis.



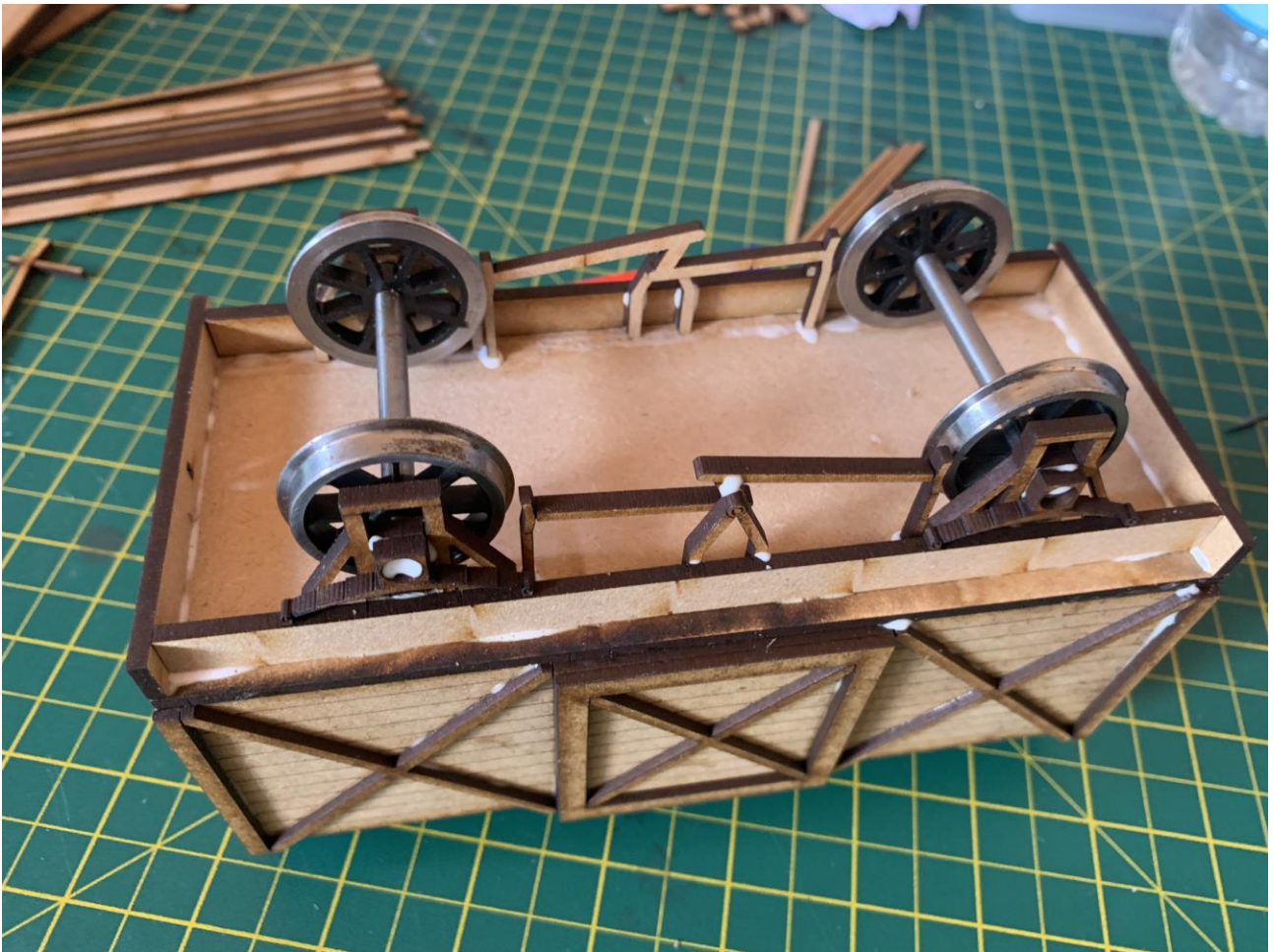
Next, glue the bufferbeams onto the ends of the chassis plate. Then glue the chassis sides in place while inserting the wheelsets at the same time. This will produce a rolling chassis in a single step



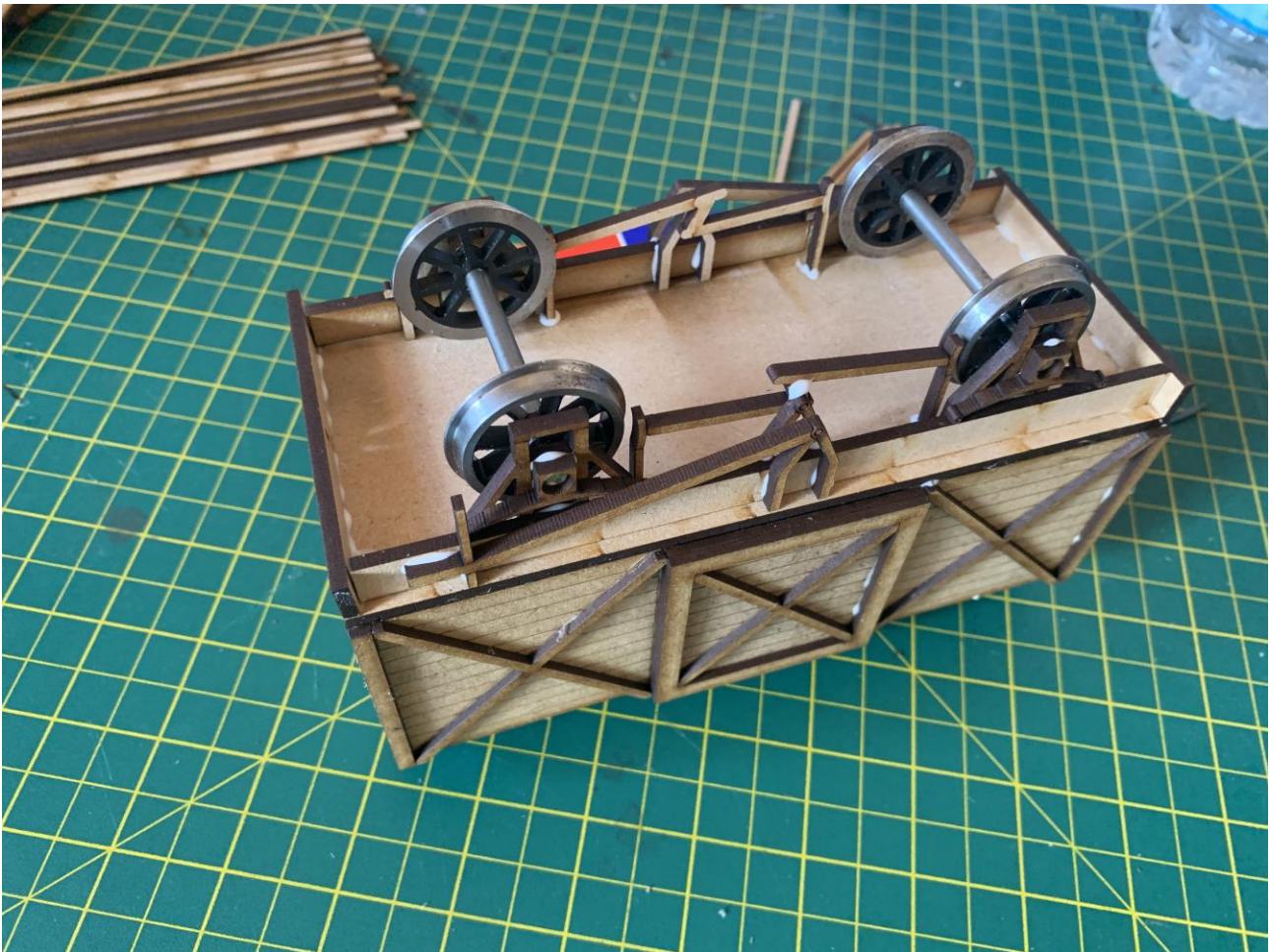
Next step is to glue on the spring detail. This sits on the outside of the axleboxes.



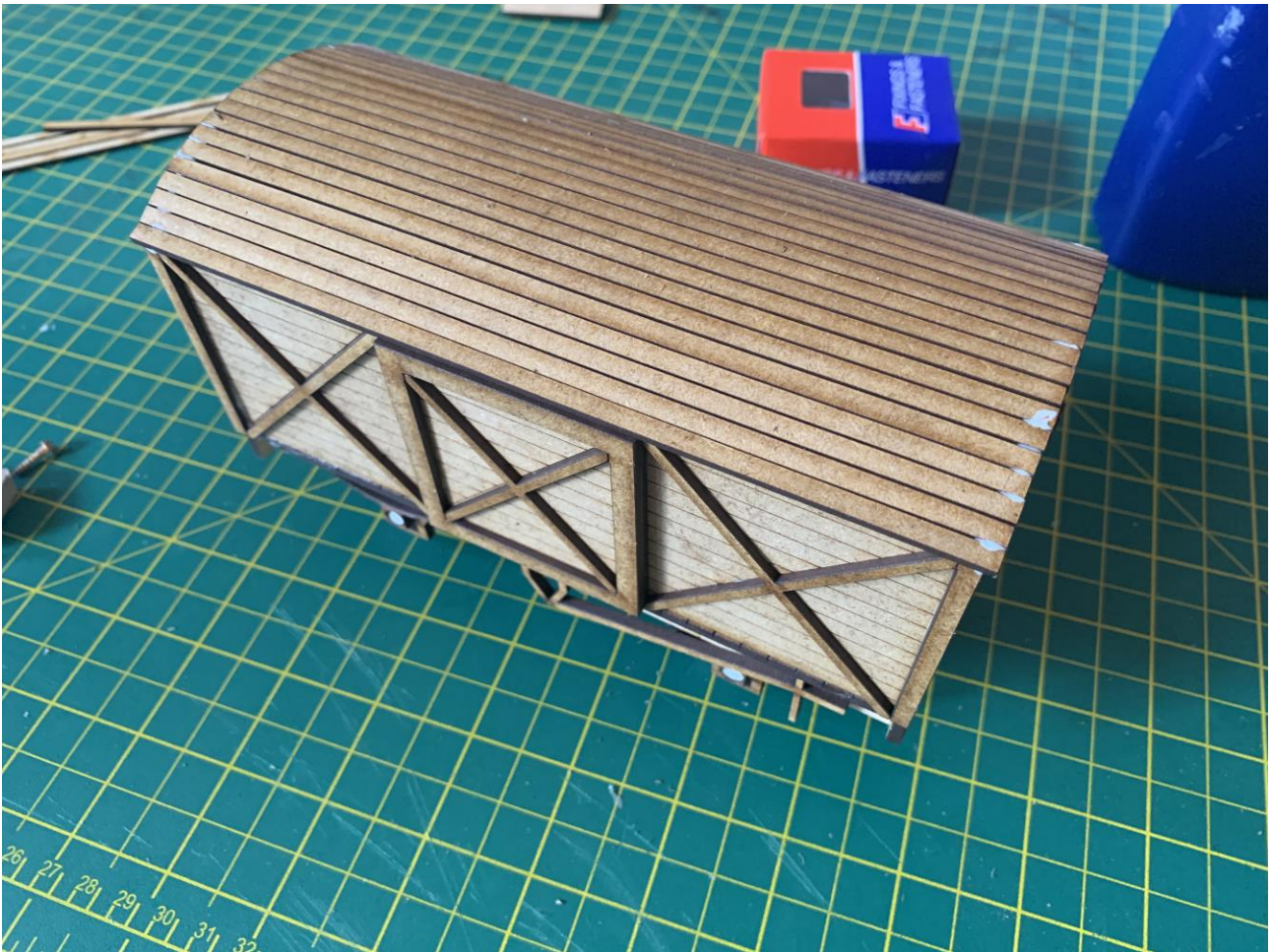
To install the brake gear, start by gluing the V hangers onto their areas on the chassis as labelled by the etched markings on the sides. If you wish to have a wire through the brake gear, you can drill out the etched circle in the centre of each piece for a wire to slide through.



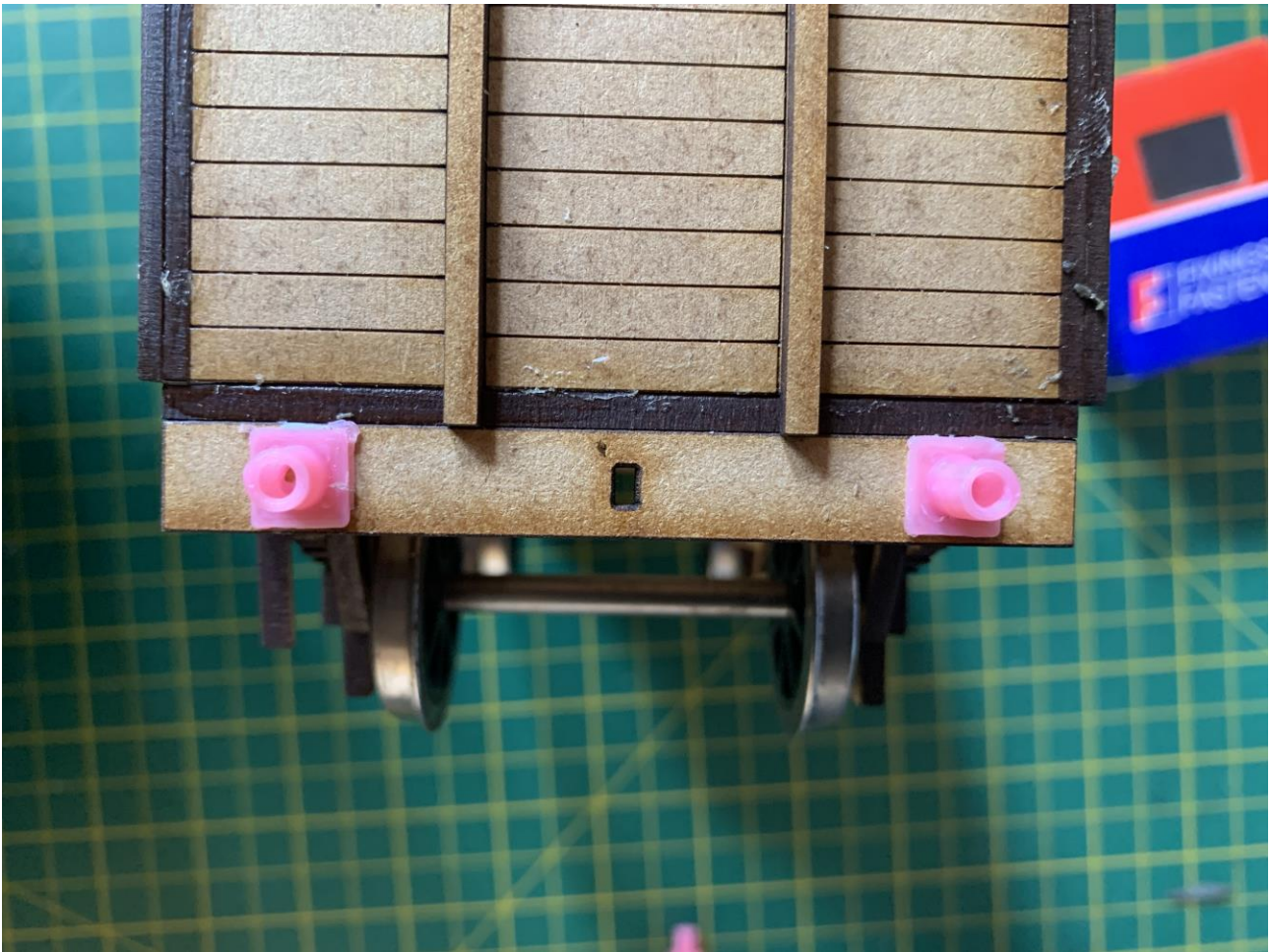
Next you can glue on the brake blocks. These sit behind the internal V hanger and should sit with the wheels able to turn freely.



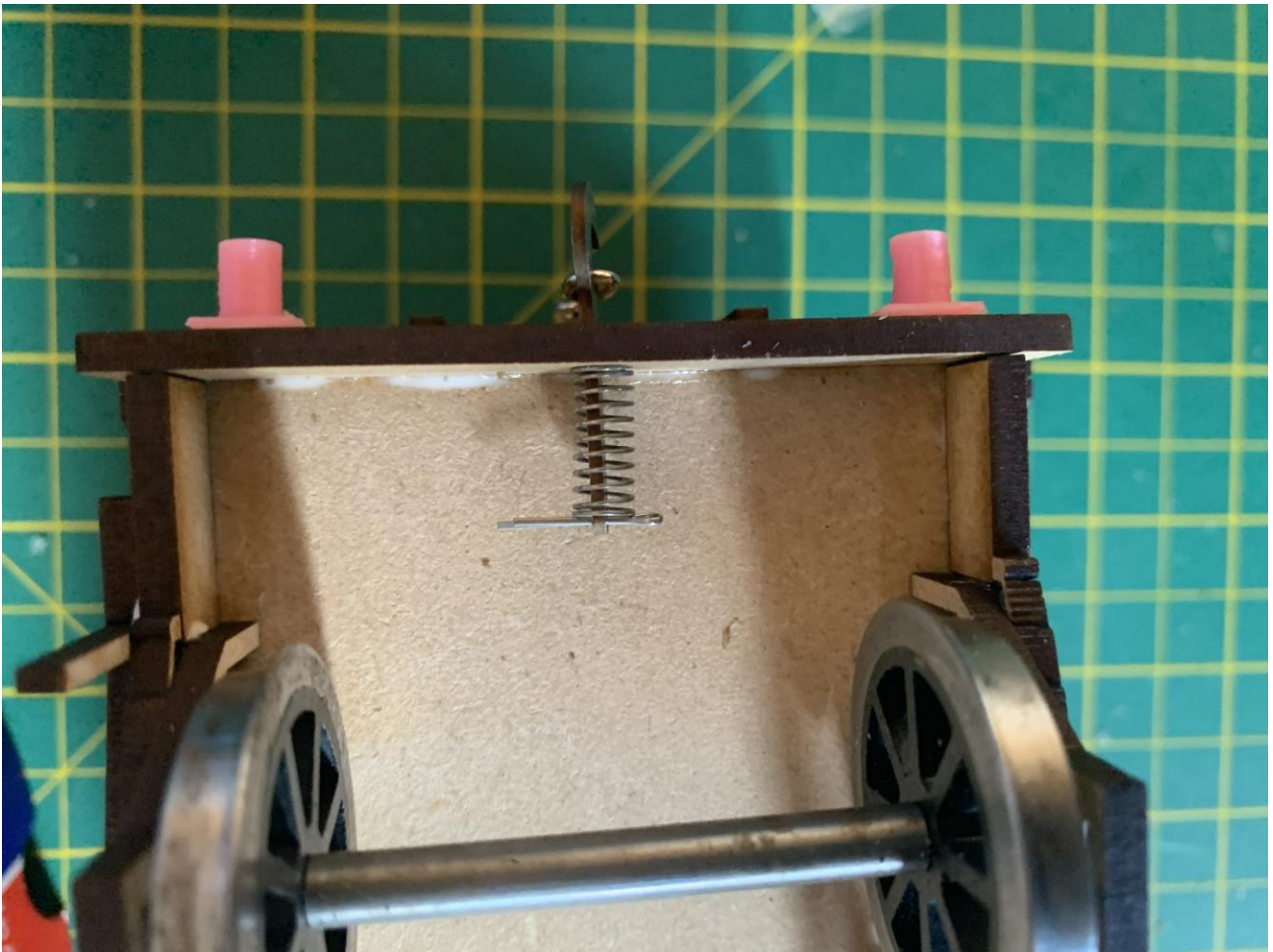
Next glue on the brake handles. These go onto the outside of the model with the V hanger in line with the one on the interior.



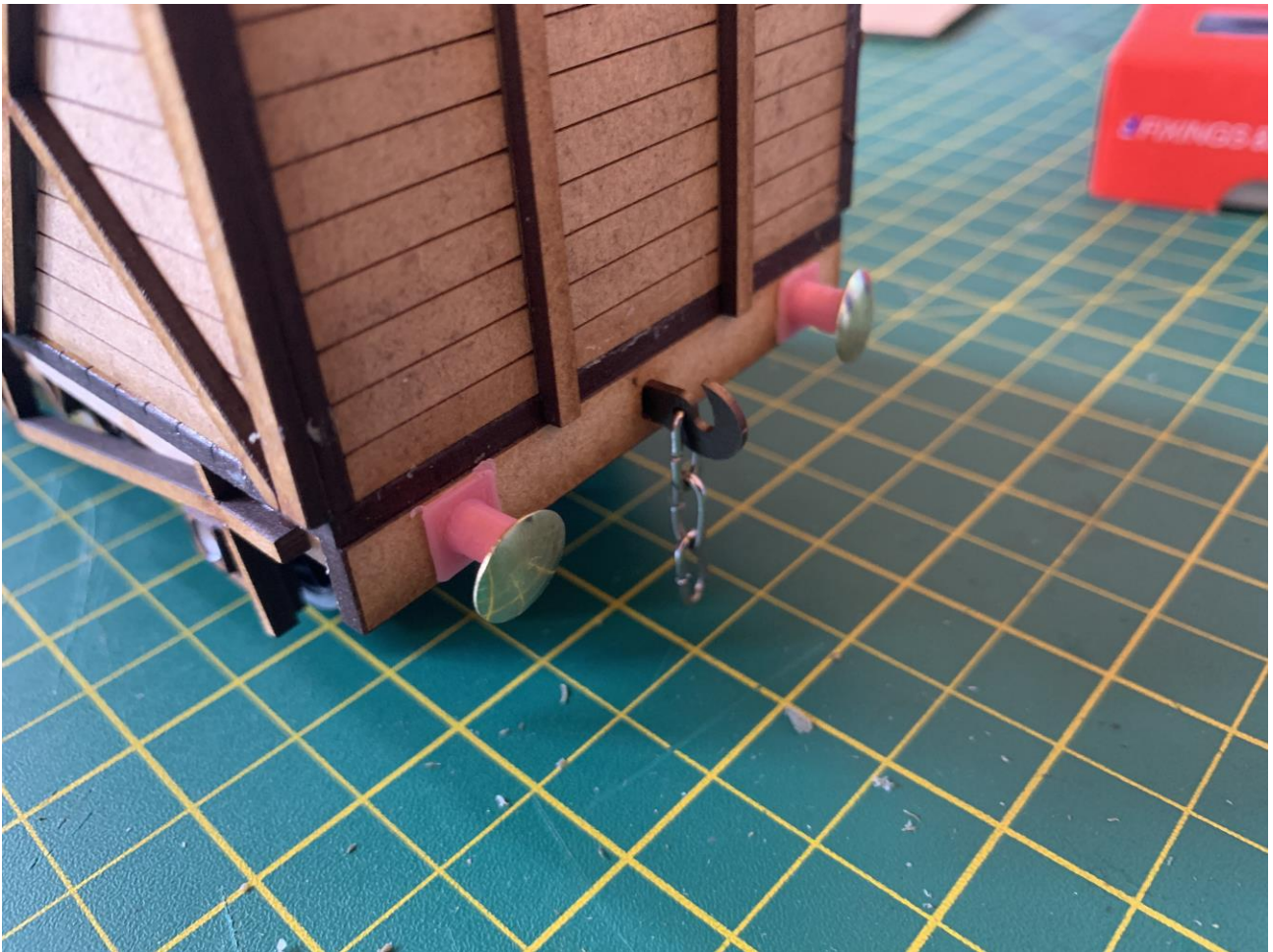
Now, glue on the roof onto the model ensuring it covers the entire length of the model including the end supports.



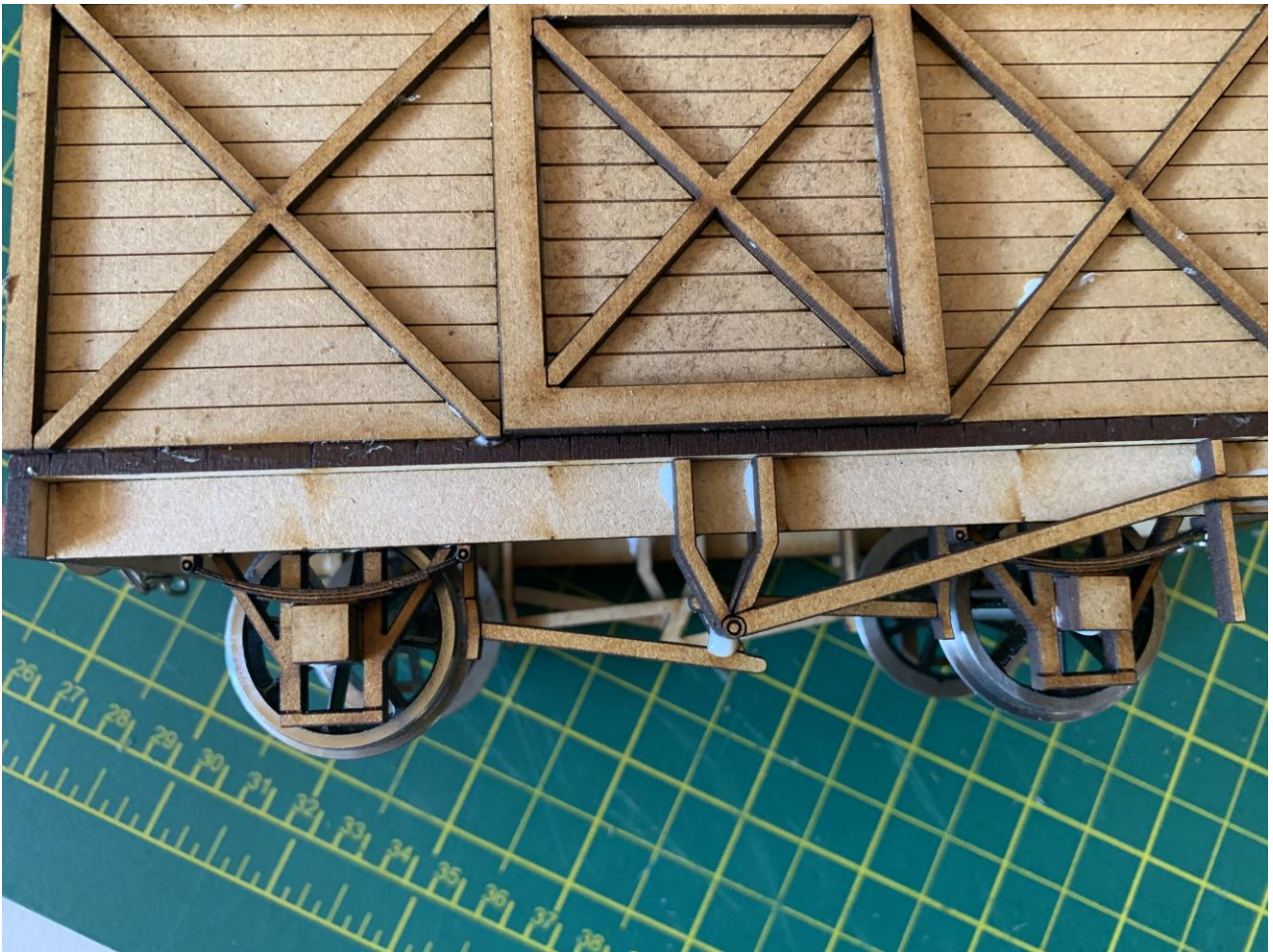
The buffers are formed of two pieces. The first part is to glue on the 3D printed buffer housings into the respective locations as marked on the bufferbeam. For those who wish to use sprung buffers, there is a half etched circle for you to drill through to place the buffers in the correct location.



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



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.



The final stage is to glue on the axlebox covers onto the outside of the axleboxes.

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.