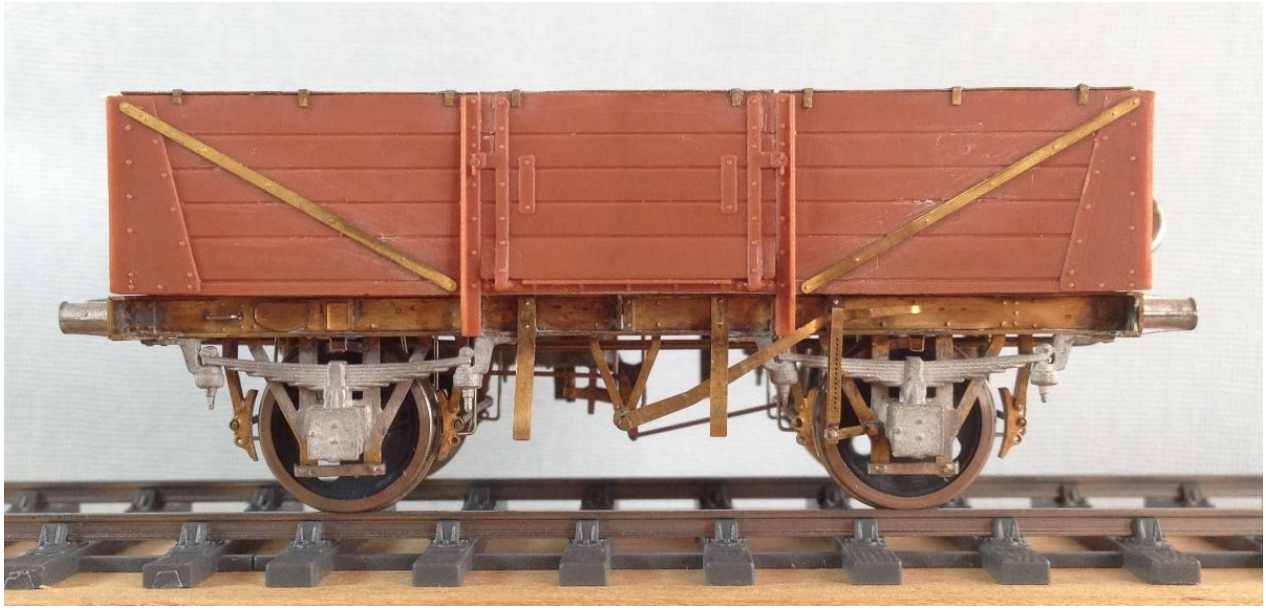
Parkside Steel Ended Wooden Open Detailing

This set of instructions covers Rumney Models kits B.102, B.103 and B.104. These are intended to provide additional detailing for the Parkside Dundas steel ended wooden open kit PC02A and variation that can be built using this body. The following gives a summary of the etches:

- B.103 is for the Parkside body as is; i.e. a BR built steel ended wooden open
- B.102 is for the LMS version which had slightly different side strapping (see picture below)
- B.104 is for Shocopens built using the PC02A body. I know there is a BR Shocopen in the Parkside range but I don't think it's as good as some of their other kits.

All the kits provide capping strips for the sides along with lamp irons and label boards. B.102 additionally has the different pattern side strapping found on the LMS built wagon. B.014 again has replacement side strapping and also replacement iron work for the sides where the corrugated ends wraps around as well as round rope fixing cleats.



Construction Notes

Read through the instructions first and familiarise yourself with the components. Drawings and photographs are included to attempt to make my waffle clearer.

<u>All fold lines are through 90° with the fold line on the inside unless stated otherwise.</u>

Everyone has their own soldering methods. I now use a temperature controlled soldering iron with predominantly 145° solder and La-Co paste flux. For a long time I used an Antex 18W soldering iron on virtually everything with few problems, especially on small detailing parts like these

Check all holes before removing parts from the fret. The drawing process for etching if you use a CAD program as I do is extremely accurate but the actual etching process itself not an exact science. If the fret is slightly over etched then there is no problem but if they are under etched the holes will need enlarging. I find that this is easiest to do before removing parts from the fret. The hole sizes will be noted at the appropriate points.

The easiest way of attaching most of the etched parts to the plastic body is using superglue. However I would advise that the plastic moulding is as grease free as possible before doing this. A quick wipe with IPA will make sure all is clean.

Materials list

A couple of different sizes of wire are needed to fix fixing items to the body. Eileen's Emporium are good source for these and they do a mixed sizes pack if you don't want to buy large quantities. You will need the following sizes:

0.31mm - Lamp irons, cleats
0.5mm - Label board reinforcing (if required - see instructions)

Contact details are as follows:

Eileen's Emporium (brass wire)
Unit 19.12 Highnam Business Centre
Newent Road
Gloucester
GL2 8DN
UK
www.eileensemporium.com

There are lots of suitable underframes for these wagons available from Rumney Models.

The LMS and BR Steel ended opens had both Morton (B.11 and B.12) and LMS clasp brake (B.51 and B.52) underframes.

The steel ended BR Shocopens had almost everything going; LMS clasp (B.51), Morton (B.11), Derby clasp (B.52) and BR clasp (B.01).

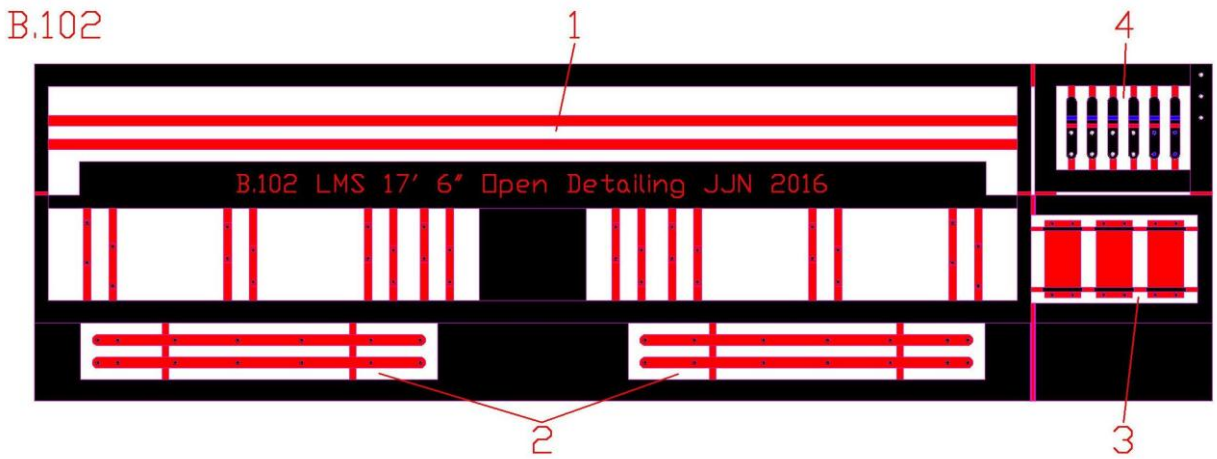
Whilst some Shocopens had the shock absorbing springs attached to the centre framing of the wagon most had the distinctive brackets and springs attached to the solebar (B.91)

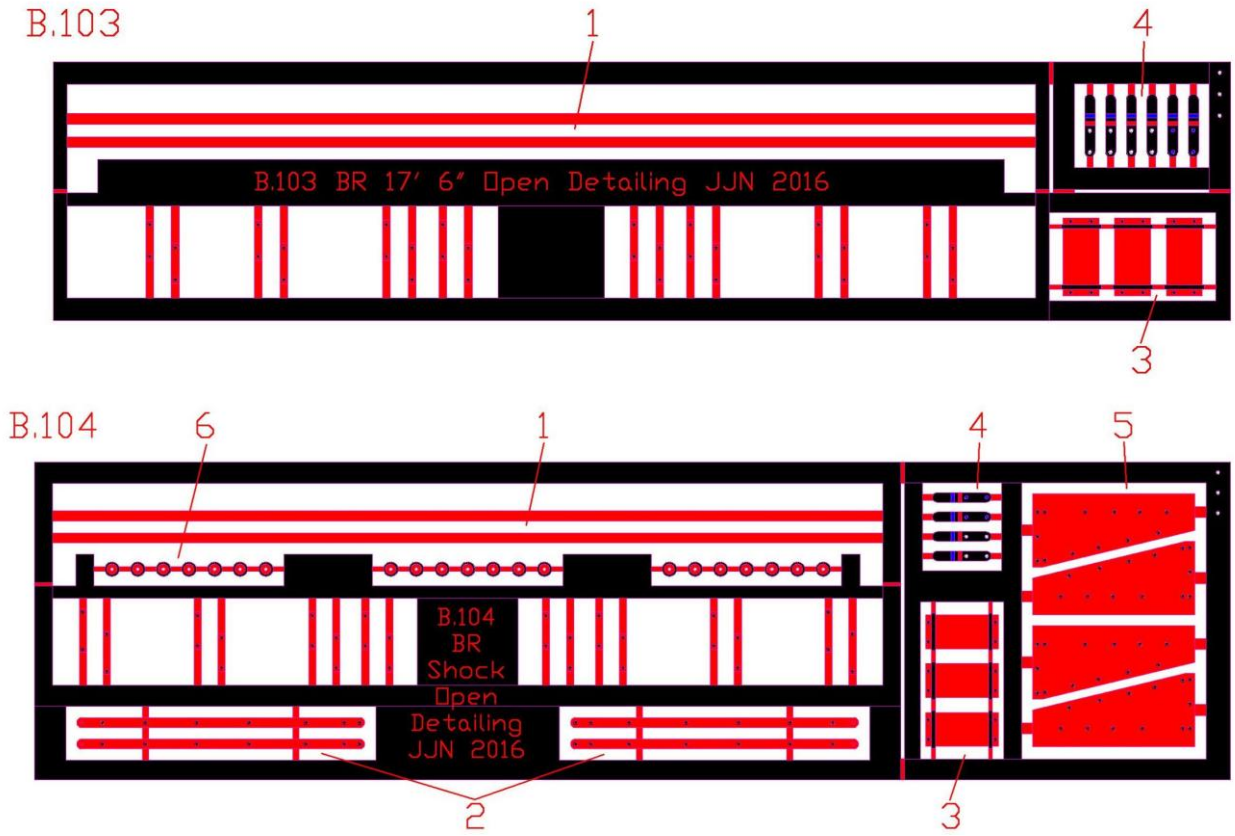
Tarpaulin bar detailing is also available (B.92) for all of the types.

Parts List

Note that not all items are on every fret

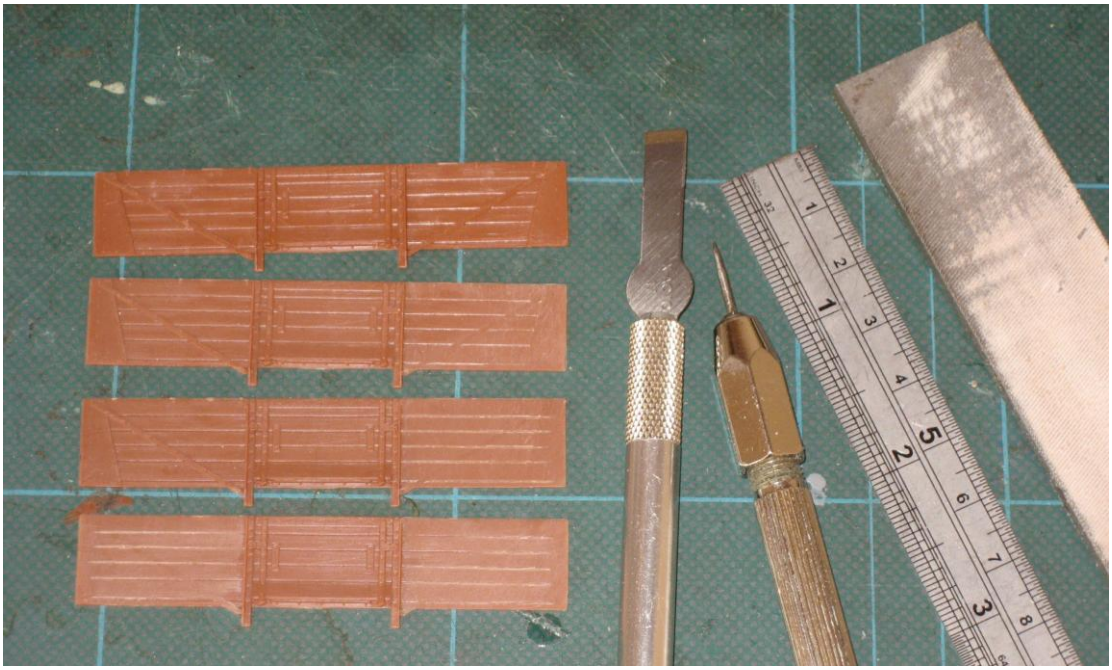
1 - Capping
2 - Side strapping
3 - Label boards
4 - Lamp irons
5 - Shocopen ironwork
6 - Round cleats





Side Preparation

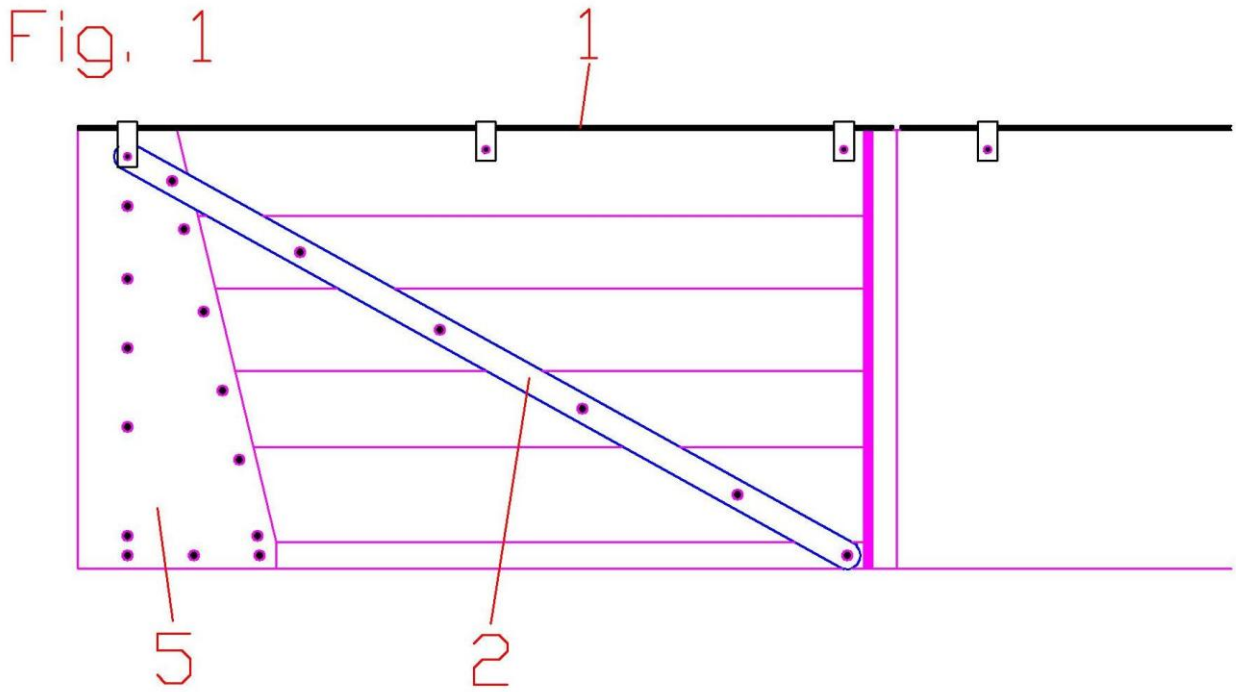
The sides from Parkside Dundas kit PC02A will need a small amount of work to fit the new parts.



Firstly remove the capping straps on the top of the sides. For B.102 and B.103 you'll also need to remove the plastic side strapping. I use a small chisel blade in an Xacto knife to do this. The planking will then need to be scored where the strapping was. I use a pin held in a pin vice to do this.

For a Shocopen the sides will need shortening (se notes later on) and the representation of the corrugated end ironwork on the sides removing if required. I use a big file of the type illustrated to remove the sides of the wrap around corrugated ends.

The Parkside kit as supplied has a chamfered top plank on the doors which is plated with a thin metal sheet. This is suitable for all wagons as built. Over time a number of wagons had this top plank replaced with an ordinary piece of timber. Those planks so treated were fitted with capping strips. I have modified a couple of my Parkside bodies by grafting on a thin piece of plasticard and fettling it to remove the chamfer.



Capping

The capping (1) is designed to be assembled whilst still attached to the fret. The fret is folded through 180º with the fold line on the outside about the lines in the centre of the sides. This will position the long sections in the right place respective to the short perpendicular strips. The short strips have rivets on them. The idea is to solder each point where the long strip sits in between a pair of rivets. I used a tiny amount of solder and a paste flux to stop everything getting soldered solid. Once all the necessary points have been soldered in place the capping pieces can be removed from the fret around the edges and separated. See Fig. 2 below. You should have two near identical parts. The short perpendicular strips can be trimmed on the outside of each rivet. Fold over the short perpendiculars at the point where they meet the long section with a pair of pliers. This can be less than 90º. Fit the capping pieces over the sides and clamp the short perpendiculars to the sides using a pair of pliers to finish the folds. Mark the points where the edges of the centre door are and then cut the capping about these points as well as trimming the ends. If you have left the doors as they are discard the centre section. Glue the capping parts in place.

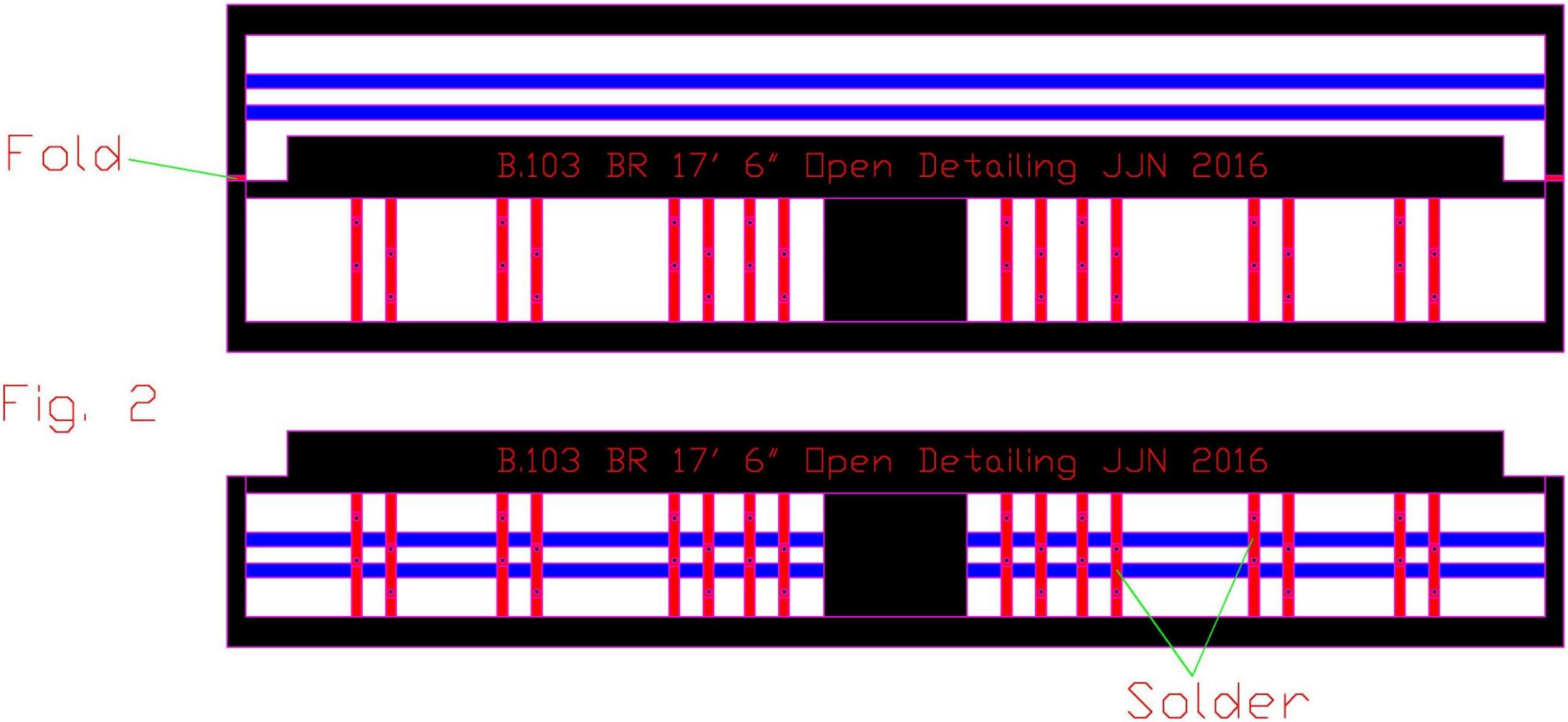

Fold
B.103 BR 17' 6" Open Detailing JJN 2016
B.103 BR 17' 6" Open Detailing JJN 2016
Solder

Fig. 2

Strapping

The side strapping (2) can be removed from the fret, tidied up and glued in place. See Fig. 1. I used superglue to fix them in place. Note that the rivets generally go in the centre of the planking and there is a rivet missing on the end of those on B.104 where the capping strap goes over the top (see Fig. 1).

Label Boards

Label boards (3) are included for fitting to the corrugated ends. These can simply be removed from the fret and glued in place. I solder a short length of 0.5mm (1mm) wire to the back of them when fitting to wagons with corrugated ends to give a greater gluing area. You may decide this is unnecessary.

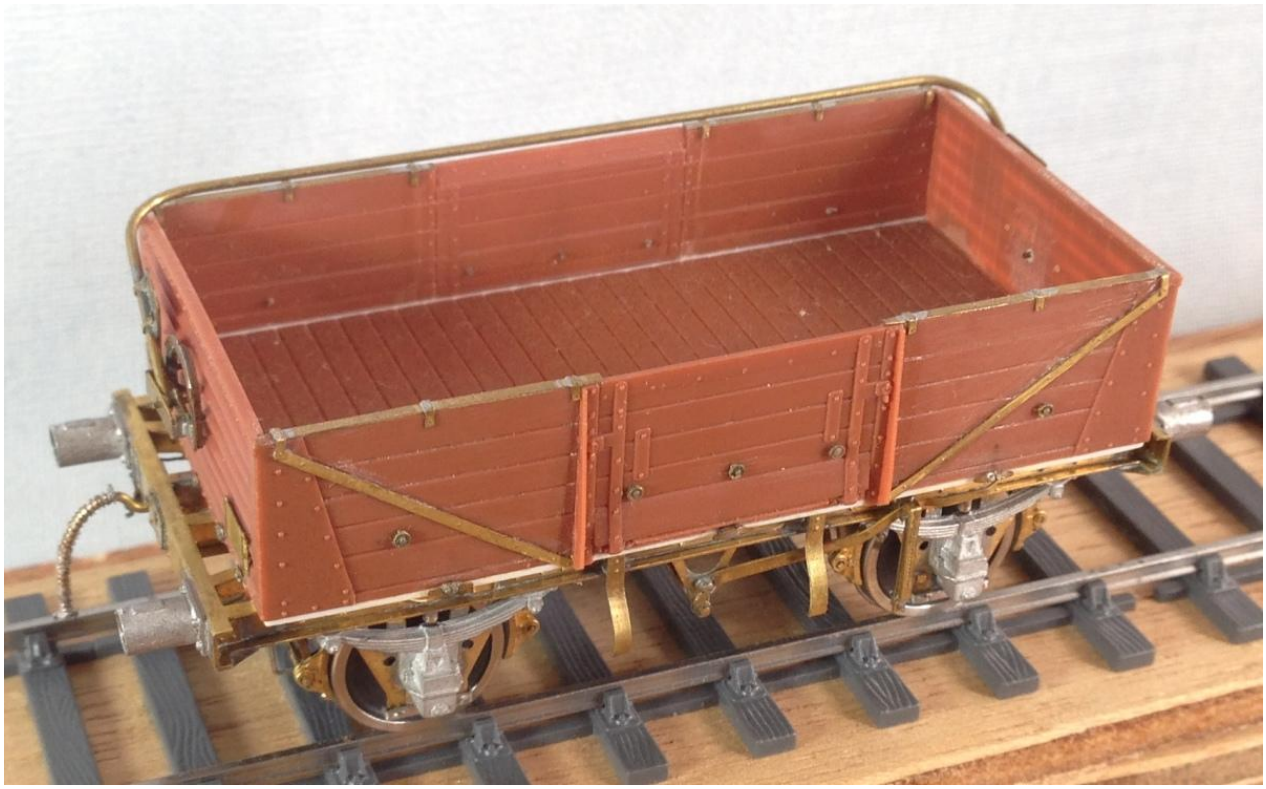
Lamp Irons

Lamp irons (4) are included for fitting to either the wagon body or the headstock if required. There are at least two pairs included, one with half etched holes for pressing out the bolt heads and one with the bolt holes etched out completely. I dislike relying on glued joints for these sorts of things on plastic bodies and so have included these for use with 0.31mm wire pins to provide a more positive location. I have also included a drilling jig which has the correct spacing for drilling holes in plastic bodies. This is located in one corner of the fret. Use a 0.3mm drill.

If you wish to use the half etched bolt type then press out the rivets whilst still in the fret and then remove and fold up and fix in place.

If using the pinned type then check that the holes will accept 0.31mm wire and remove from the fret and fold up. Two short lengths of 0.31mm wire can be soldered in the holes and then the lamp iron glued in place on the body having drilled receiving holes for them. Alternatively simply glue the wire and lamp iron in place at the same time without the solder.

BR Shocopen Parts (B.104)

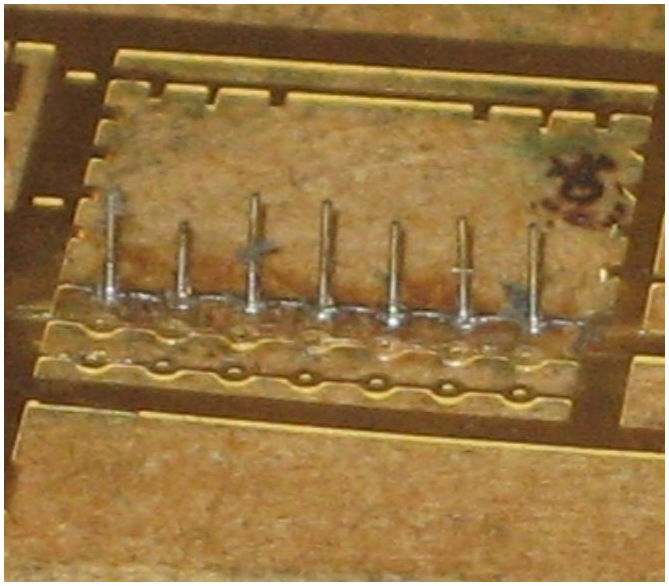


The majority of BR built Shocopens were effectively shortened and slightly taller version of the LMS derived steel corrugated end wooden open. All had similar ends to their longer cousins. Parkside do a BR steel ended Shocopen but I don't think it's one of their better moulding. The PC02A mouldings are great though and really capture the prototype. Due to the similarities outlined above they can be used for a model of a Shocopen.

In order to use the Parkside PC02A mouldings for a Shocopen you need to reduce the length of the sides by 1.5mm at each end and also increase the depth of the sides and ends by 0.5mm by using 0.020" x 0.040" plastic strip. In the model above I removed the excess length by the angle either side of the door but the etched Shocopen ironwork (5) gives you the option of taking the length off the ends.

Rope Fixings

There are two sorts of rope fixings included a round cleat (15) and a butterfly type (16). These were used for winding rope around. Both are designed to be fixed on using 0.31mm wire. Use the parts whilst still attached to the fret to drill a series of 0.3mm holes into a piece of wood. Short lengths of 0.31mm wire then be fed into the holes in the wood and soldered to the rope cleats. The wire can then be tidied to represent bolt heads. Leave about 0.75mm protruding from the back. Holes can then be drilled into the wagon using a 0.3mm drill bit and the cleats glued in place (there is a drilling jig for the butterfly type on the fret, this is shaded green on the parts list).



Justin Newitt - March 2017