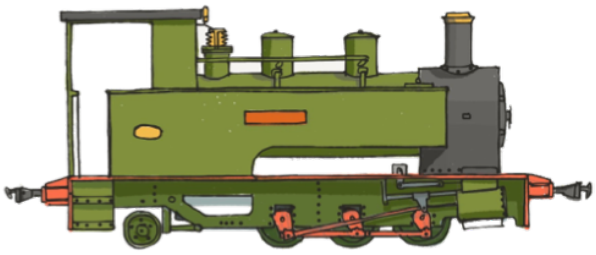
Bowaters
MODELS
specialising in distinctive 16mm models



Bowaters Models – BMB-101 Instructions

Required Tools

- Fine Sandpaper/Emery paper or boards
- Super glue
- Sharp Craft Knife

Prototype Information

The Lloyd's Paper Company needed a number of specialist wagons for carrying the huge quantities of raw materials needed to serve the paper mill in Sittingbourne, Kent. At first, they were equipped with a small number of bogie flat wagons and 8 Ton wagons (known as Pulp Wagons) which were identical except they had end pieces to hold the bulky raw materials better. In time, the fleet grew to well over 400 wagons with higher capacity 10 Ton and 14 Ton Pulp Wagons serving a massive network at the original Sittingbourne Mill, a new mill at Kemsley and a purpose built dock at Ridham. When the railway closed, a small number were loaned to the Sittingbourne and Kemsley Light Railway for Preservation. A number were sold off the line to form the stock at the Great Whipsnade Railway and to provide additional rolling Stock at the Welshpool and Llanfair Light Railway.

In 1957, 5 Butterley Wagons were converted into 5 Staff Coaches No. 641, 657, 658, 659 and 660 which were formed of 3 different designs. In Preservation, an addition 3 coaches were converted by the railway into Passenger Coaches.

About the Kit

The kit is a wooden kit comprising of a set of Laser cut wooden parts.

Chassis Fitting

This kit is designed for IP Engineering Large Laser Cut Bogies. These are assembled as per the instructions with no modifications required. On the top chassis piece, normally distinguishable by the laser cut detailing on the top surface, flip it over so the detailing is facing down. Then draw a straight line down the centre of the piece lengthways. This is needed so that once the chassis has been assembled, the correct position of the Bogies can be achieved. They should normally be added once the chassis has been assembled and should be placed 70mm along the line from each end of the wagon.

Couplings

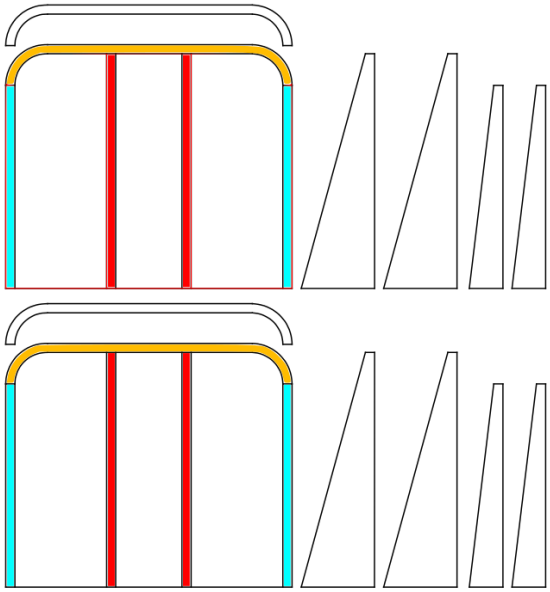
This kit is designed to take Accucraft Chopper Couplings (available separately as their part number Z1/Z2). These should be attached into the small flat recesses left on the ends of each chassis. These have been positioned so to be at the correct height for the 16mm Association standard coupling height. They will also perfectly match the standard coupling height of the Accucraft Leader, Superior and Excelsior Locomotives.

General Assembly Notes

1. The chassis consists of 3 separate pieces. 2 with a hole in the middle and 1 with Laser cut detailing on one side. The two pieces with a hole in the middle should be glued together making sure everything is kept in line. Once this has dried, then the piece with the Laser cut detailing (detailing face up) should be glued on top of the pair already glued together to form a 3 layered piece.
2. Once the chassis has dried, then the bogies can be glued in place into the recess on the underside of the chassis making sure they remain in the centre of the wagon.
3. The couplings can then be glued in place at either end of the wagon leaving you with a rolling chassis.
4. Once you have a rolling chassis, you can then glue the end pieces onto the wagon. See overleaf for assembly notes. These are designed to be glued into place with the two supports on the ends of each piece level with the curved sections of the chassis. The ends should be placed with the flat sections facing inwards.
5. The etches side panels can then be cut out from the etch and glued into place. They should be positioned centrally with two columns of the rivets placed over the ends of each side. Once the glue has dried, these can then be folded down to cover round the front of the wagon.
6. If they're being used, the 8 stake holders (the T pieces) can be attached. These are folded with the fold lines on the inside. It is recommended that the core box is folded up first then the two tabs be folded outwards with the etched rivets facing outwards (in the same direction as the folded box). These can then be glued onto the sides in the half etched gaps left on the sides. There are 4 of these gaps per side piece. Included with the kit, is 16 stake pieces which can be inserted into the stake holders. Each stake is made up of 2 pieces glued back to back which then can be glued into the holders.
7. The kit features 3 brake hangers (3 V pieces) which can be glued onto the underside of the chassis. The two larger ones are placed centrally lengthwise along the inside of the chassis with one on each side. The smaller one can be glued 1 third of the way down on either side to the right of the central brake hanger looking onto the side of the wagon sideon. If you wish too, there are two laser etched holes on the centre of the larger pair of brake hangers which can be drilled out and have wire inserted though to give some additional detail underneath.

Headstock Assembly

1. The headstock assembly is made up of a number of flat pieces which are shown below. It features of 4 uprights per headstock, one base plate and one curved section over the top.



2. The two larger headstocks fit onto the centre slots in the middle (coloured red) with the two smaller ones (coloured blue). The rounded section at the top is then attached (coloured orange).

Painting

In Lloyds and later Bowaters service, all wooden bodied wagons were painted Light grey with the steel sections painted black. Numbers were normally hand painted onto the wagons in White. The exceptions to this rule were the later Butterley built Pulp Wagons which were of all steel construction and as such were painted all over black. These had their numbers located on the ends hand painted in white as before but were also fitted with number plates on the chassis sides.