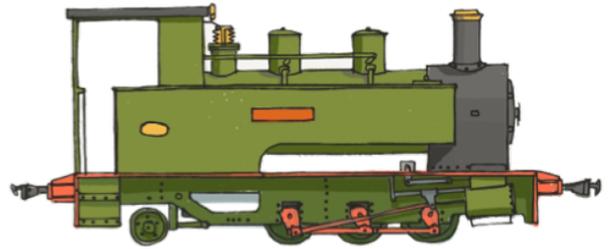


# Bowaters

## MODELS

specialising in distinctive 16mm models



### Bowaters Models – BMB-102/3/4/5 Instructions



#### Requires:-

- Accucraft Chopper Couplings (Z1 or Z2)
- IP Engineering Large Laser Cut Bogies (Own choice of gauge)

#### Required Tools

- Fine Sandpaper/Emery paper or boards
- PVA Glue
- 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. Note, these instructions cover the following kits so not everything covered will be applicable to the model you are building:-

- BMW-002 SKLR 10 Ton Bagnall Bogie Flat Wagon
- BMW-003 SKLR 8 Ton Bagnall/Kerr Stuart Pulp Wagon
- BMW-004 SKLR 4xx Series 10 Ton Bagnall/Kerr Stuart Bogie Flat Wagon
- BMW-005 SKLR 5xx Series 10 Ton Bagnall/Kerr Stuart Bogie Flat Wagon

## 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.

## General Assembly Notes – BMW002/3/4/5

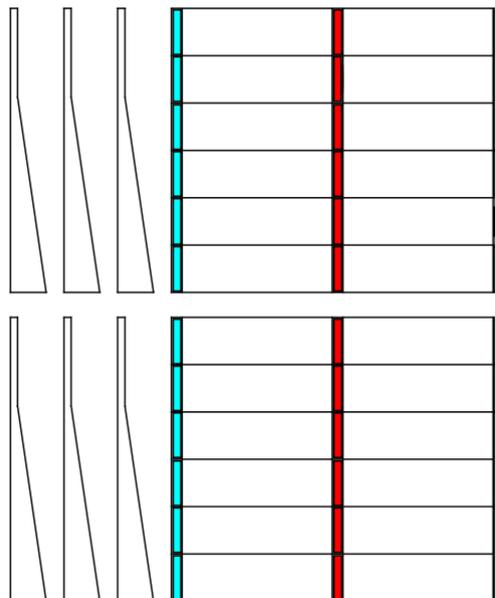
1. The chassis consists of 3 separate pieces. 2 with a hole in the middle and 1 with Laser cut detailing on one side. The two pieces with a hole in the middle should be glued together making sure everything is kept in line. Once this has dried, then the piece with the Laser cut detailing (detailing face 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.

## General Assembly Notes – BMW003/4/5

1. Once you have a rolling chassis, you can then glue the end pieces onto the wagon. 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. For assembly notes, see below.

## 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 and one base plate.



2. The two larger headstocks fit onto the centre slots in the middle (coloured red) with the two smaller ones (coloured blue).

## 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.