

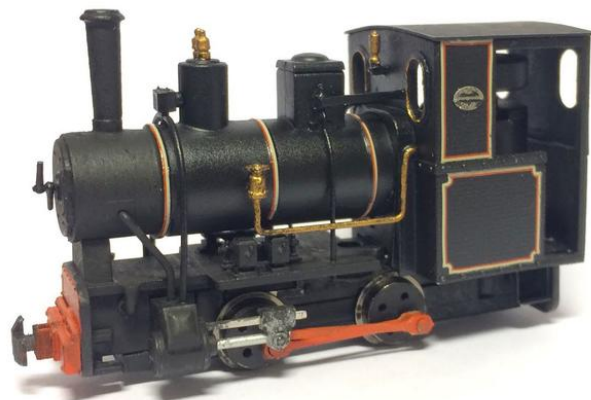
Andrew Barclay Well-tank NPC-014

Prototype Info

Andrew Barclay and Son manufactured a large number of these well-tanks during and after the first world war. The design is based upon the well tank designs of Orenstein and Koppel. A range of locomotives ranging in gauge and power were produced, and could find service on construction projects, military duties and later industrial concerns across the UK and Ireland.

Famous examples in the UK include Douglas on the Tallylyn railway, the pair found on the Penryhn quarry railway and those larger 3ft gauge locomotives on the Irish peat bog railways.

This Narrow Planet kit represents a generic example, which can be personalised using the components provided to the modellers requirements. Various sections of brass wire are required to complete.



Thank you for purchasing this Narrow Planet kit, we hope you enjoy building and operating it. Please read through the instructions thoroughly before beginning assembly.

Tools required:

Sharp craft knife or scalpel	Wet and dry paper
Tweezers	Superglue.
Needle file	

Assembly Notes

1 • Clean up the 3D printed body • Use a fine wet and dry paper (640 then 1200 grade if possible) in water to achieve a smooth finish to the cab sides and front. Rinse the model in a white spirit to remove any traces of printing residue or grease from handling.

2 • Check the donor chassis • The kit is designed to fit a Minitrains Boehler locomotive. It is recommended that this is thoroughly tested and run in according with the manufacturers instructions prior to modification.

3 • Detailing • The Boehler cab can be removed by pulling up, and cutting the wires to the rear lights. The footplate needs cutting back behind the moulded lubricators. The front light can be left in place or carefully removed. The chimney is replaced by unscrewing the original and replacing with the 3D printed part. The clack valves require a 1mm hole drilling in the boiler below the steam dome (refer to pictures). Various options for the buffers and reinforcing beams are provided. The etched parts can now be carefully removed from the fret, taking care to only remove the parts you need to avoid the risk of loss or damage. Carefully remove each part from the fret using a sharp knife on a cutting mat or similar hard surface, or sharp needle nosed scissors to minimise the risk of damaging thin parts. Clean up the tags and fit as per the diagram below with superglue.

4 • Finishing • Andrew Barclay products were usually outshopped in a mid-green colour with yellow/black lining, however, as the modeller will need to paint the parts in situ on the completed model it may be easier to opt for a satin black to match the Minitrains finish.

About the kit

The kit is comprised of a 3D printed plastic body shell and a fret of etched nickel silver detail parts. Limited folding of these parts is required and they can all be glued in place. We recommend sparing use of liquid superglue for assembly, ideally using a bottle with a thin applicator nozzle. Due to the nature of the 3D printing process, some support material may still be present on the body. This wax residue has been cleaned during our checking process, but it can be a good idea to submerge the model in white spirit, agitated gently with an old tooth brush and leave to dry.

Please note this is a scale model for adult collectors and not intended for children under 14 years of age.

About Narrow Planet

Narrow Planet was founded in 2010 and offers a custom etching service for unique nameplates, works plates and number plates for your model railway locos and stock. Our full range and ordering information can be found on our website.

This kit was designed by James Hilton. If you have any queries about the model or instructions please get in touch.

Contact Details

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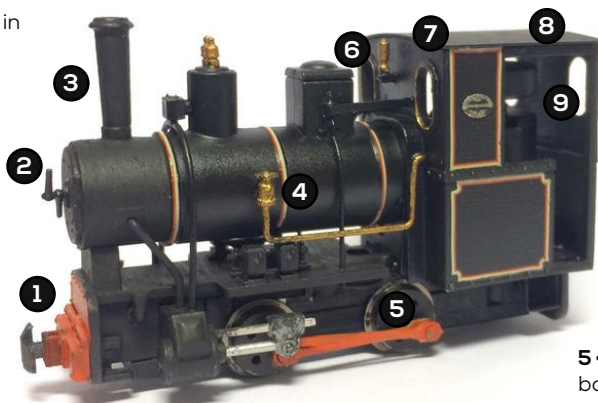
Parts Placement

4 • Clack valves • Drill 1mm hole in boiler, fit 3D part, etched handwheel on top and 0.6mm brass wire to the cab.

3 • Chimney • Fit 3D print replacement chimney.

2 • Smokebox • Smokebox dart replaced with Eileen's Emporium part.

1 • Buffer beam • Replace with 3D printed parts.



7 • Cab windows • Fit the window spectacles to the cab front.

8 • Cab roof • Gently rolled to shape.

9 • Cab rear sheet • The cab rear sheet is optional and can be omitted.

6 • Whistle • Remove whistle from Boehler cab and fit.

5 • Running boards • Cut running boards back to allow cab to be fitted.