

GAUGE 1
10mm scale
MODEL MAKERS KITS



GW 42xx

CHURCHWARDS' HEAVIES



GW 72xx

These large tanks were designed in 1910 for use around the south Wales coal fields to move expanding coal trains of the day. With the weight of the loco sitting on eight small drivers their tractive effort was very high. Their efficiency was good since they still required only a single crew. His standardisation meant they shared many parts from the Large Prairie tanks and 28xx's.

The MODEL MAKERS KITS

These are designed and produced for those whose machining facilities or skills are limited or whose modelling time is at a premium.

The main frames are laser cut mild steel, as are the bogie frames & stretchers, coupling and connecting rods, valve drive rods and eccentric straps. The cylinder frames, frame stretchers, bodywork, boiler cladding and tender are all from etched brass. The copper boiler is built, tested and carries a manufacturers certificate. There are many 'loose' subassemblies assemblies I.e. steam chest, axlepump, handpump, ready for you carry out the final clean and assembly and sealing. The outside is then detailed with brass castings.

All machining is done. Pressure gauge, screws, nuts, rivets, 'O' ring seals, springs etc. are supplied to complete the assembly. We do not supply paint, transfers, Name and number plates, solders, time or patience.

You will require a bench and vice, some hand tools, a drilling facility (which could be an electric drill on a stand) and a small gas torch for soldering. The work includes bending sheet metal, drilling piloted holes out to size, tapping threads in holes (in many cases nuts could be used instead), soft and hard (silver) soldering of small items. A small selection of BA and ME 40TPI taps & dies will also help.

Our model has two working outside cylinders which with the small wheels will give a high tractive effort. Our valvegear is easy to set and more robust than a scaled prototype giving a long and reliable working life. The 72xx will have a radio control compartment in the bunker. This production batch will be limited to 30 models and will not be repeated for five years.

Support for the model maker.

The model making hobby is littered with part built projects which have been abandoned because the modeller has hit a problem. Included in the price are two hours of our time, a 'get out of trouble' service. It could be advice on the phone, a practical soldering training session in our works, correcting a mishap or setting valve timing. Apart from phone calls, a modest charge will be made for time spent over your two hours.

We can also supply replacements for individual components providing they are returned for us to identify. For etched items there will be charge depending on the size. Laser cut steel may be a problem as there are minimum order quantities involved and we shall only order a limited number of spares.

The Construction Guide comprises over 40 pages of photographs, exploded diagrams produced on 3D CAD, photographs and text, together with identification diagrams and drawings. It takes you through each stage, including jigs and methods, settings and adjustments, finishing with operation and use.

LOCO SPECIFICATIONS

Length	42xx / 52xx 408 mm over buffers 72xx 448mm over buffers
Track radius min	42xx / 52xx 2.5m (8' 3") 72xx 2.610m (8' 8")
Weight, dry.	5 Kg (11 lb) Approx. (Current estimate)
Fuel	Alcohol (Methylated spirit) carried in bunker, supplied by constant level feed system to a multi-tube 'strand wick' burner.
Boiler	Internally fired, multi flue, with safety valve and superheater Built from copper and bronze, silver soldered throughout. Tested to 13bar (200psi) Maximum safe working pressure 6.86 bar (100psi)
Controls:	Regulator, blower, pressure gauge, Water Gauge Water pump bypass, fuel valve.
Cylinders Valvegear	Two, Outside, 14.3 mm bore x 25mm stroke (9/16" x 63/64") Slip eccentric, slide valves
Lubrication	Displacement (Rosco) type with filler and drain.
Water feeds	Water carried in both tanks, Hand pump with bypass in left hand. Axle pump driven from driving axle. Main loco axleboxes individually sprung. Pony trucks solid but sprung to loco Buffers and coupling hooks sprung.



DELIVERY AND PAYMENT

This kit is supplied in four instalments spread over 12 months as production of the parts progresses.

The initial payment will be your deposit, reserving your kit. When the batch starts we request that you set up a 'Standing Order' with your bank to pay twelve monthly instalments. We shall supply a standing order form with our details. Please arrange payments for a date at the beginning of the month. Other Payment methods can be arranged upon request. Prices shown include 20% current UK VAT

COLLECTION

from works or pick up at shows/exhibitions as production progresses, then collect the kit by arrangement or as one box at the end.

	Deposit	Instalments	Kit Total	Ready To Run
42xx / 52xx	£314	12 x £190	£2,594	£6,485
Static	£114	12 x £120.17	£1,556	£3,890
72xx	£227	12 x £215	£2,807	£6,737
Static	£227	12 x £121	£1,684	£4,210

POSTAGE

Add £10 to each instalment to cover the cost of the four postages. Total £120. Receive the kit in four packs over the twelve months, posted using Royal Mails' 'Special Delivery' service for the UK. These are guaranteed delivery before 1pm the next day, must be signed for and have adequate loss or damage compensation.

For overseas customers, the instalment weight is limited to below 2 Kg to keep airfreight cost down. Payment in four instalments reduces bank charges. Please enquire for more details.



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