

### PAYMENTS & DELIVERY

Production of the kit parts starts with the tenders and associated components. Progressing through the loco frames and body etchings, wheels and suspension, motion, boiler and controls. We are offering the following delivery methods and respective costs. We normally ask for you to set up standing orders through your bank (forms will be provided) to pay the instalments but other payment methods can be arranged. Please ask for more information.

#### **COLLECT**

Ex- works. No postage. Pay a deposit and 12 instalments, then collect the kit by arrangement or as one box at the end of the twelve months.

spirit	Deposit £238	Instalments 12 x £226	Total <b>£2,950</b>	RTR £6,785
Static	Deposit £154	Instalments 12 x £147	Total £1,918	RTR £4,603

#### **POSTED**

Pay deposit and 12 monthly instalments plus postage, by standing order. Receive a set of parts every quarter towards your kit. 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. Add £10 per instalment total £120.

For overseas customers, there will be an additional cost for postage by courier. Please enquire for more details. We can now sell to America.



### **BARRETT STEAM MODELS LIMITED**

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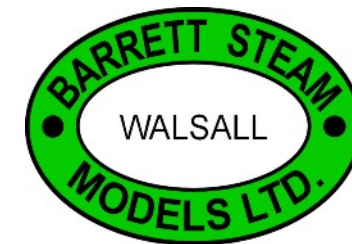
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March 2025

LIVE STEAM GAUGE 1 KIT

## **GWR CITY OF TRURO**



City of Truro was built in 1903 as one of a new class of 10 express locos named after Cities in the GWR region. In common with many locomotives of the era, its design and livery reflected the elegance of that period. It's main claim to fame is that it was the first machine to propel people at more than 100mph during a legendary dash down a Devon hillside in 1904. It is part of the National Collection and currently 'on tour' visiting many preservation lines whilst in working condition.

### **THE MODEL**

This model was first produced by us in 1985 as one of our range of ready to run live steam locos. To aid our production we utilised laser cutting to profile our steel components, photo etching to prepare all the sheet brass work, investment (lost wax) castings for some components and whitemetal detail castings where appropriate.

In recent years we have invested in computers to aid design and production. We produce our own photoetching tooling to a much higher degree of accuracy than can be achieved by hand draughting or photographic enlargement from smaller scales. A well equipped machine shop give us the capacity to provide accurately machined components. To help in the quest for consistent quality we produce our own patterns for whitemetal castings and the investment castings. The tender has been updated with new etch and brass castings.

## THE KIT

It is produced for those whose machining facilities or skills are limited or whose modelling time is at a premium. The boiler is built, tested and certified. The cylinder unit comes as a 'loose assembly' with pistons and valves in place ready for you carry out the final assembly and sealing. The crank axle is ready built as are the hand and axlepump bodies. The kit includes 23 laser cut steel items, over 130 etched brass components, pressure gauge, screws, nuts, rivets, 'O' ring seals, springs etc. With all machining done. To complete the assembly 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.

The model making hobby is littered with part built projects which have been abandoned because the modeller has hit a problem. We offer 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 (above 2hrs) spent on getting models out of trouble.



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

## LOCO SPECIFICATION

Scale	10mm:1ft
Length	600 mm (24")
Weight	5.2 Kg (10lb 9oz)
Fuel	Alcohol (Methylated spirit) in tender fixed tank supplied by constant level feed system. Needle valve control.
Burner	Wicked, 5 row 'Toast rack'.
Boiler	Internally fired, multi flue, superheated. with safety valve. Built from copper and bronze, silver soldered throughout. Tested to 200psi (13bar). Certified. Max . safe working pressure 100psi (6.5bar)
Controls	Regulator, Blower, Water level test valve, Pressure gauge,
Cylinders	Twin, 1/2" bore x 3.8" stroke ( 12.7mm x 9.5mm)
Valvegear	Slip eccentric, slide valve
Lubrication	Displacement (Rosco) type.
Water feed	Water carried at front of tender which contains hand pump. Axle driven and hand pumps feed boiler via non return clack if bypass control valve is closed.
General	loco' & bogie axleboxes individually sprung. Buffers and coupling hooks sprung.

The construction guide comprises over 30 pages of photographs and text together with identification diagrams and drawings. It takes you through each stage, including settings and adjustments, finishing with operation and use.

