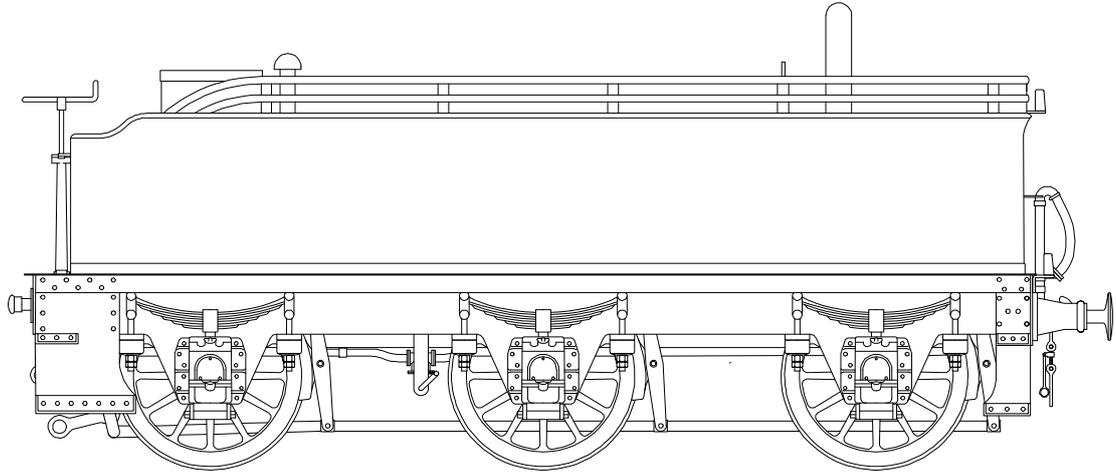


## GWR CHURCHWARD 2500 GALLON TENDER



### **CAUTION.**

This product contains etched parts with very sharp edges and castings that may contain lead. Neither the Manufacturer, Distributor or Retailer can accept any liability for illness, injury or consequential damage caused when handling or building this product.

Read any instructions before assembly. Do not eat or drink whilst handling. Wash hands after use.

## BRIEF HISTORICAL DETAILS

Between 1884 and 1903 the GWR built 301 tenders with a water capacity of 2500 gallons, all to basically the same design. They had a coal capacity of 4½ tons, a wheelbase of 13 feet, and weighed 34t. 5c. full and 16t. 2c. empty. They were built under 18 different lots as follows:

Lot	Numbers	Dates	Lot	Numbers	Dates
A6	853-872	12/84-6/85	A35	103/11-4	
A7	873-893	11/85-6/86		117-9/20/2	10/98-5/99
A9	894-903	3/87-5/87	A37	1315-1324	5/99-11/99
A22	1078-1097	10/95-4/96	A38	1325-1344	11/99-7/00
A23	1098-1117	5/96-8/96	A39	1345	11/99
A26	1138-1157	8/96-3/97	A41	1366-1385	10/00-12/00
A29	1179-1198	3/97-7/97	A42	1386-1395	4/01-2/02
A30	1199-1218	7/97-10/97	A43	1396-1415	2/02-5/03
A33	1259-1288	10/97-5/98	A44	1416-1435	2/02-5/03
			A58	1572-1581	9/03-12/03

These tenders were used with many classes including 2-4-0s, 2301 class, Krugers, Aberdares, 3521 class, Dukes and Bulldogs. The first withdrawals took place in 1927 and the only survivor is No. 1273 which is preserved with Dean Goods No. 2516 at Swindon Museum.

The kit is based on the following Swindon drawings:

G.A. 4527 (10/84) Lots A6, A7, A9 - These early Lots cannot be built from the kit because of their different spring hangers and frames.

G.A. 14598 (8/98) Lots A35, A37, A38.

Drawing of Tank 12794 (3/96) Lots A22, A23, A26, A30, A35, A37.

The first two of these drawings are in Great Western Engines (Vol. 1) by J.H.Russell which also contains many useful photographs.

There were many modifications made to the basic design during the 19 years over which the tenders were in production and many more changes as they were rebuilt.

The earliest tenders had coal rails and no water scoop (Vol. 1, page 152, fig. 440). The water filler was a cylindrical casing and the sandboxes were mounted on the footplate in front of the tank. They also had identical toolboxes on each side and some were fitted with an overflow pipe and fountain for use with engines equipped with cross-head driven feed pumps.

A later tender is shown in Vol. 1, page 162, fig. 469 fitted with a water scoop and a combined water filler/scoop fountain. The front of the scoop was subsequently fitted with a plate presumably to prevent 'foreign bodies' entering. These early tenders have a 'drop' in the flare on the tank sides at the front, front steps with a curve on the leading edge and hornguide ties of the rod type. (See Fig. 7)

From Lot A38 the flare on the tank sides was carried through to the front (Vol. 1, page 159, fig. 460) the coal rails extended forward and the footplate widened at the front. These tenders were built for the new 4-4-0s and consequently had a raised footplate at the front. Shortly afterwards steps with a straight leading edge and strip type hornguide ties were introduced.

Subsequently all were rebuilt with coal plates, a different pattern toolbox on the left hand side and fire iron trays were fitted with water level gauges (Vol. 1, page 160, fig. 463). Most appear to have had the sandboxes removed and replaced with a single sandbox on the left-hand side at the front of the coal space. Some were also fitted with separate pickup domes and water filler (Vol. 2, page 130, fig. 130). Because of the relatively small coal space this involved cutting an opening in the rear coal plate for the dome to fit through.

All of these variations are accommodated in the kit and before starting construction identify, as far as possible, from photographs, all the features your model will have. There are three different detail configurations described but you might have to interpret between the configurations to be able to model your particular tender.

## COMPONENTS NOT PROVIDED

Wheel 4' 1½" diameter, 12 spoke, axle with 2 mm diameter extensions (3) Slater's Ref 7849MF