

PRICELIST for DRAWINGS & MATERIALS.

LNWR 2-2-2 'Problem' Class Locomotive in 5" Gauge. (This model has the name 'OWL' after the prototype No. 134)

Drawings & Photographs:

All drawings are from Xeroxed from film and are A2 or A1 and cost either £2.75 or £3.50 each. Where drawings are purchased in batches a reduction for quantity is given. Please see over for list.

MATERIALS:- (No VAT charged, but postage/carriage and insurance are extra)

Laser - cut Steel parts:

Mainframe plates (3mm mild steel) (pair)	£70.00
Buffer beam support plates with hook slots; (3mm mild steel) (2-parts)	£11.50
Frame stretchers - motion and throat plates (both 3mm MS) and valve gear plate (2½mm MS) (All 3 assemblies have slotted flanges for fabrication)	£24.50
Cross-head support brackets (2½mm MS) (pair)	£12.00
Smokebox stretcher (2mm Stainless Steel)	£24.50
Smokebox rear plate (2mm) and flange strip (1.6mm)	£16.50
Smokebox adaptor ring	£13.00
Front guard irons (pr)	£8.00
Driving wheel splashers (plain or slotted) and edge strips (pair)	£50.75
Locomotive running board material (mild steel of correct thickness) (pr)	£9.00
Boiler flange forming plates (4 plates may be purchased and returned for credit)	£45.00
Smokebox front plate (2mm) and flange strip (1.6mm) (two versions available)	£16.50
Smokebox front plate valve chest covers and inside backing plates	£9.50
Round smokebox door supplied dished, bushed and finished	£22.00
Round smokebox door closing bar	£6.00
Cab step rear plate (pr)	£5.50
Sandbox lids (parts for steel and brass assembly) (2prs required)	£18.00
Leading wheel splasher plates (pr)	£9.00
Tender wheel horn plates (set of 6)	£15.50
Tender brake shaft brackets (pr)	£5.50
Tender step back plates pr. (steel)	£5.00
Tender step back plates pr. (brass) (to simulate a casting)	£12.00
Tender brake rods (1mm MS) (set of 4)	£15.00
Tender pump and valve support plate assembly	£18.00

Specially formed set of 5 flared brass parts for the tender £45.00

Lost wax castings:

Connecting Rods (stainless steel) (pair)	£80.00
Smokebox door handwheel and handle (stainless steel)	£9.00
Reverser and tender 6-spoke handwheels (pair)	£20.00

Water jet cut steel parts:

Expansion links (gauge plate) (pair)	£29.50
Hooks (gauge plate) (pair)	£18.00

Strip material for leaf springs:

5/16" wide by 1mm thick nickel silver (per foot)	N/A
5/16" wide by ½ mm thick spring steel (per half metre)	£2.00
3/8" wide by ½ mm thick spring steel (per half metre)	£2.25

Rivets:

Packet of 250 - off, 1mm snap head brass rivets for cab and toolbox construction	£3.00
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Cast Iron Parts:

Driving axle hornblocks (paired casting)	£21.00
Driving wheels (pair)	£95.00
Carrying wheels (4 plus 6 for the tender)	£170.00
Cylinder castings (set of 10 parts)	£120.00
Valve gear eccentric straps (set of 4 parts)	£12.00
Water pump eccentric strap	£8.00
Tender axlebox sticks (for early greased axleboxes)	£14.00
Dome casting	£28.00

Cast Bronze Parts:

Valve gear eccentric straps (set of 4 parts)	£16.00
Water pump eccentric strap	£9.00
Cylinder castings (set of 10 parts)	£155.00
Boiler dome ring	£15.00
Tender axlebox sticks (for later oil lubricated boxes)	£19.00
Cast bronze chimney material (to suit early and late models)	£48.00
Safety valve bonnet	£20.00

Drawings:-

- 1 GA of Locomotive (A1)
- 2 GA of Tender
- 3 Frames, buffer beams and main stretchers (A1)
- 4 Smokebox and valve gear stretchers, motion brackets plus suspension parts
- 5 Wheels and axles
- 6 Cylinder assemblies
- 7 Valve gear and slide bar/crosshead GA's and assembly details
- 8 Weighshaft and valve gear eccentric and linkage details.
- 9 Connecting rods, crossheads, slide bars and crankpin details.
- 10 Buffer assemblies, driving axleboxes and springs, slide valves and steam chest drains.
- 11 Smokebox rear plate, boiler ring and drain valve linkage.
- 12 Leading axleboxes, cylinder drain cock details and reverser GA.
- 13 Reverser details, front guard iron and brake hanger assembly.
- 14 Boiler construction (1).
- 15 Boiler construction (2).
- 16 Driving wheel splasher details (plain and slotted)
- 17 Smokebox char hopper assembly and water pump details
- 18 Hook, lubricating oil pump and drive plus non-return valve
- 19 Smokebox front plate assemblies (designs for both smokebox doors)
- 20 Running board support brackets and rear step details
- 21 Cab construction
- 22 Chimney, petticoat pipe and Webb smokebox door details
- 23 Smokebox inner and outer casing assembly details
- 24 Running board step, sandboxes, S/B lids and vacuum pump details
- 25 Dome and safety valve bonnet details, plus leading wheel splasher assembly
- 26 Boiler grate and ashpan details (pending)
- 27 Steam brake cylinder and linkage (pending)

All boiler fitting are the same as those specified for the Coal Tank

- 30 Tender frame layout with assembly details
- 31 Tender axle assembly parts, brakshaft brackets and hornstay details
- 32 Tender body details
- 33 Tender front and rear beam details with all fixing brackets
- 34 Tender front steps and brake hanger brackets and brake assembly details
- 35 Tender axle suspension spring details and sloping coal space and rear tie bars
- 36 Tender draw spring assemblies
- 37 Tender brakshaft and handwheel operating mechanism
- 38 Tender structure, coal space and rear panel, plus support brackets
- 39 Tender structure, side plates and water filler structure
- 40 Tender hand pump and control valve support plate and filters
- 41 Tender coal space brake rod cover, fall plate details and tool box mounting brackets
- 42 Tender water valve details
- 43 Tender flare assembly, coal plate and water delivery pipework bracket
- 44 Tender toolboxes (one detail to complete)
- 45 Tender rear wooden platform (pending)