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FOR BALLASTING**



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FIVER WITH IAN LAMB**



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NEW

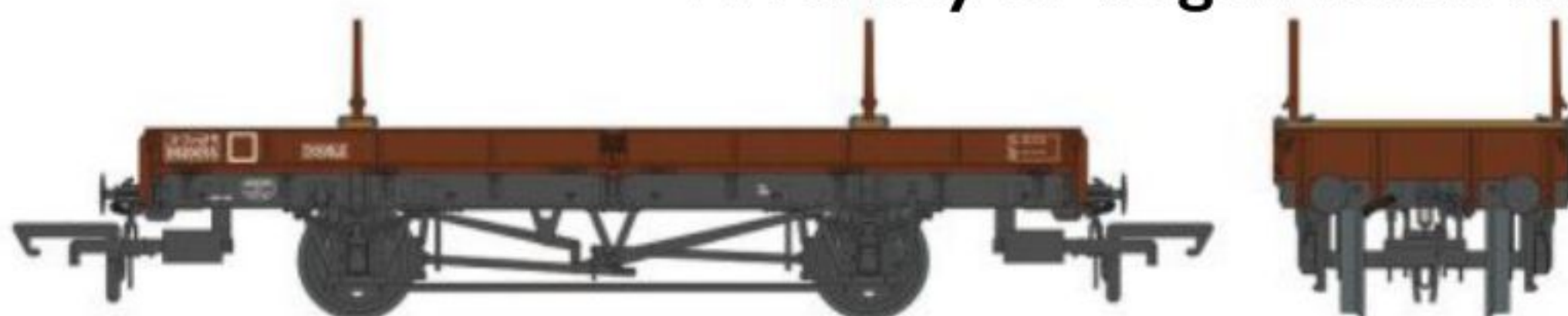


NEW TOOLING! - Plate and Bolster Wagons Exclusive to TMC.

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A variety of wagon loads will be available, see our website for further details.



38-825Z Double Bolster Wagon, Freight Brown

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38-826Z Double Bolster Wagons Twin Pack, Freight Grey live

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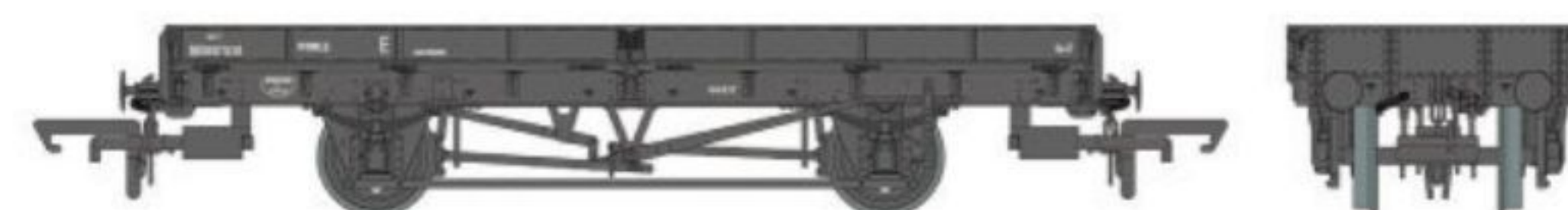
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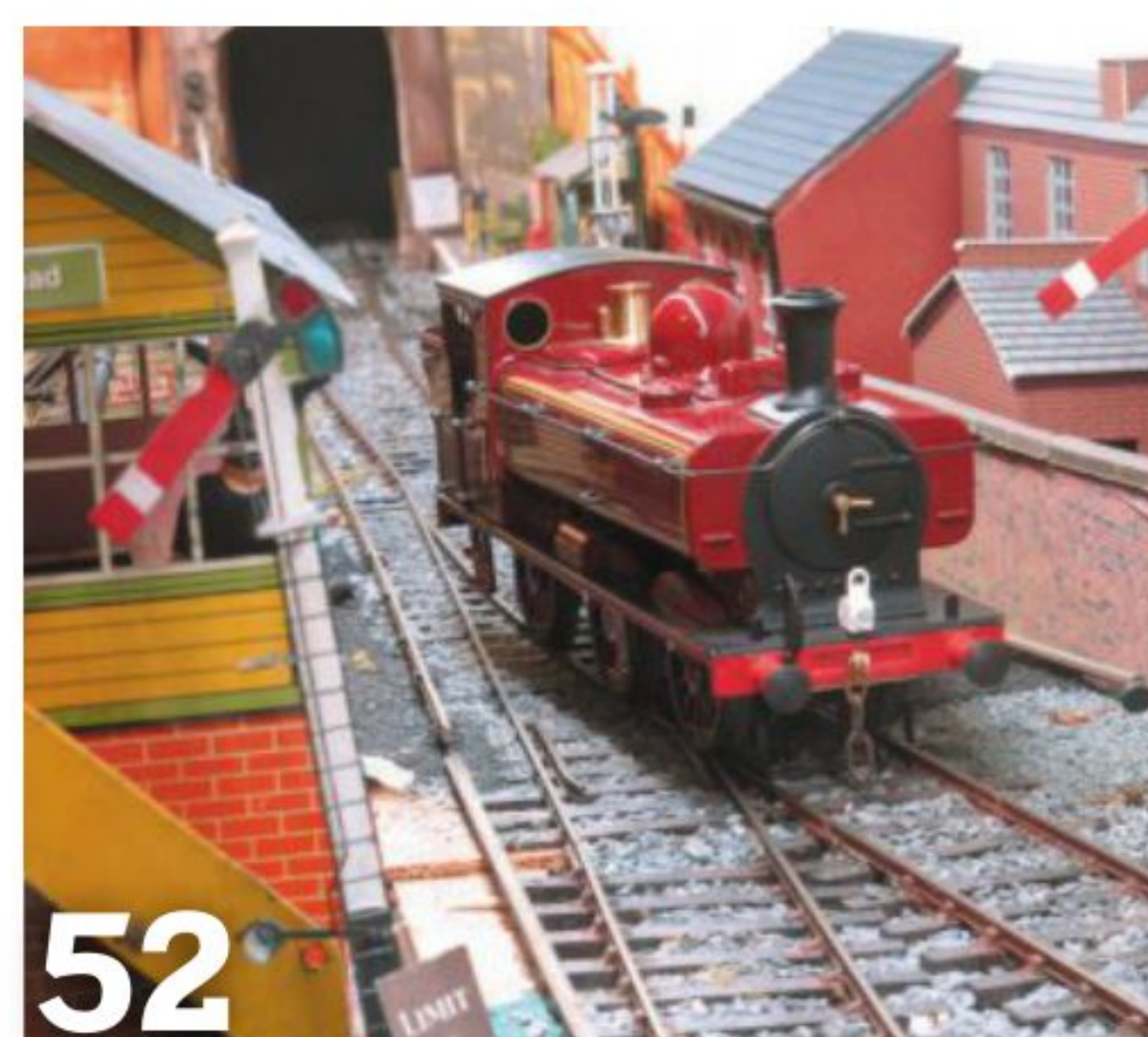
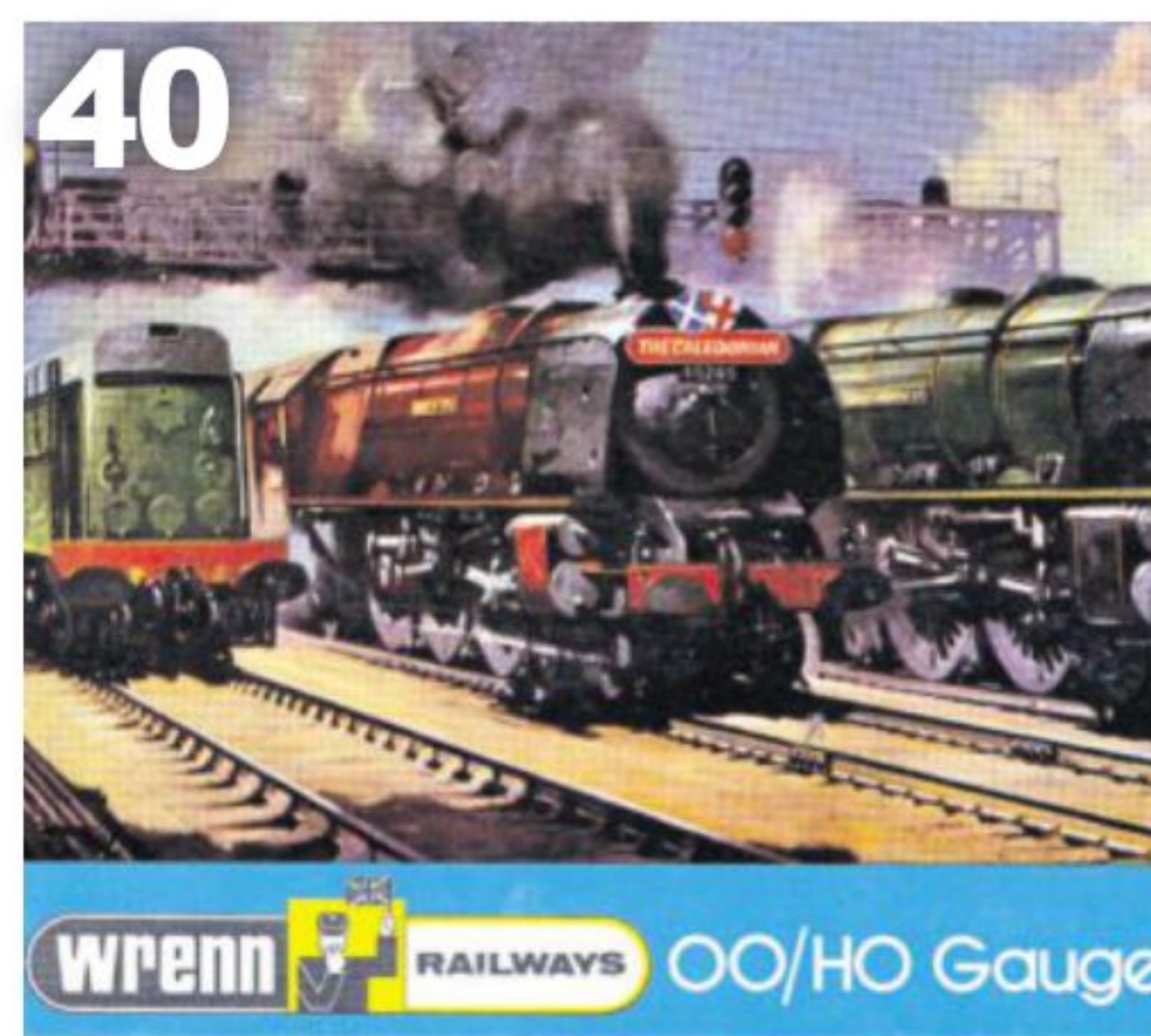
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Contents



ON THE COVER
Melbridge Dock
by Phil Parker.
See page 46 for
full feature.

12 WHAT'S IN THE SHOPS?
Graham Farish auto-trailer,
N gauge GWR 4073
Castle Class, Hunslet WD
Austerity from DJ Models.

25 STARTING OUT
This month we look at
track work.

33 ASK A DAFT QUESTION
In this month's Ask a Daft
Question Matt Wickham
looks at ballasting.

36 LETTING OFF STEAM
A new column by Lucian
Doyle.

40 BLASTS FROM THE PAST
Tony Stratford looks at
G&R Wrenn.

**46 BUILDING TINY
LAYOUTS**
Phil Parker shows how
you can build small while
dreaming big.

52 LAYOUTS WE LOVE
Readers show how they've
gone micro with their
layouts and Ian Lamb
reports from Mail Rail
Scotland.

56 INSPIRATION PAGES
Taking a fresh look at
Edward Beal's Railway
Modelling in Miniature.

58 PAST AND PRESENT
Ian Lamb shows how you
can build a station for a fiver.

60 DIARY DATES
What's on this month
where you are.

64 PLACES TO VISIT
Perrygrove Railway.

65 STOCKISTS
Where to get your copy of
RMM.

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LIVE STEAM & ELECTRIC LOCOS AND ROLLING STOCK FOR GARDEN RAILWAYS

NEW FOR 2017

SR&RLRR 0-4-4 Forney in 1:13.7 Scale

The next 7/8th" scale loco to appear from Accucraft (US) will be this superb Forney. Constructed in 1891 for the Sandy River Railroad and given the number 5, the locomotive was named 'N.B. Neal' and operated this way until 1908 formation of the Sandy River & Rangeley Lakes Railroad when it was renumbered to SR&RL #6. In 1925 the loco was sold to the Kennebec Central, then again in 1933 to the Wiscasset, Waterville & Farmington. After the WW&F railroad was abandoned in 1937, it was purchased and stored near Putnam, Connecticut. Ultimately restored to working order in Maine, the loco is now working on a restored section of the line.

The model features a copper boiler fitted with a ceramic burner, sight glass, pressure gauge and the chassis carries full working Stephenson valve gear operating slide valves. Available in the the UK exclusively through Accucraft (UK) the model carries a UK RRP of £3,200.00 inc. VAT and UK delivery and with full warranty support.



I.O.M. 'Mona' 2-4-0T



I.O.M. 'E' Van



L & B Coaches



1:32 BR Black 5 4-6-0



L & B 'Yeo' 2-6-2T



W & L Sheep Wagon



1:32 7 Plank Wagon



1:32 'Victory' 0-6-0T



1:13.7 Bagnall 0-4-0ST



W & L Cattle Van



1:32 BR Mk1 Coaches



1:32 LNER A4 4-6-2



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To get your models customised by TMC contact us by phone or go to:
www.themodelcentre.com/customisation-at-tmc

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- Fire irons
- Real coal
- Screw link couplings
- Shed code changes
- Crest Changes
- Gloss finish
- Cab tarpaulin
- Fit parts pack
- Lamps
- Tool carrier

You can buy pristine or TMC customised models from our stock, or pre-order new releases at competitive prices. With any purchase from TMC you can enhance the model by choosing from the above customisation options.



32-859Z Bachmann 9F No. 92000 Now In Stock

Pristine - £169.95 | Standard weathering - £194.95 | Custom Deluxe weathering as pictured above (Includes: Parts Pack, Real Coal, Crew, Screw Link Coupling) - £239.95



"Rail Ale - First Orders"



TMC have also commissioned a triple and single pack of Ale Vans. By the early 1960's work for BR's fleet of Insulated vans was diminishing so a number of them were converted to Ale vans. Many of the converted vans were repainted Bauxite whilst others remained in their original white livery. Many of these vans were used by the Guinness Brewery at Park Royal in West London and travelled from there to various parts of the country. The TMC models will all be factory weathered and will include examples of peeling paint effects, replacement planks or doors, stickers and brandings that were found on the actual wagons.



Pre Order
Pre order now to guarantee these fantastic prices

TMC Exclusive

38-191X Bachmann Single Ale Wagon White Livery
 Factory Weathered £18.95*



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 Ale Wagons BR Bauxite
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New education centre for East Anglian Railway Museum

After two years of work by museum volunteers to turnaround a donated ex-Colchester Garrison building, the Thompson Education Centre at the East Anglian Railway Museum opened on April 10.

The Education Centre is named after the late Peter Thompson, a volunteer who worked for the museum from 1970, when it was the Stour Valley Preservation Society, until his death in 2005.

The newly opened centre is a

modern facility housing model railway displays as well as a series of classrooms and exhibition rooms, with public and staff facilities and aims to support the museum's educational work.

For more information visit www.earm.co.uk.

Miniature Railway Club opens new station

A new railway station and passenger coach for the Havering Miniature Railway Club has been opened.

Members have dedicated

hundreds of hours of their time to building and improving the railway, in Lodge Farm Park, over the past couple of years.

One of the volunteers is 15-year-

old Nathan Jenkins who spent much of his Easter holiday break making plaques and key rings for the club with the help of his teacher.

Dapol's goods brake van

Dapol is pleased to announce the manufacture of the British Railways' standard 20-ton goods brake van.

Initially the company will be producing the main series of brake vans encompassing Diagrams 1/504 (vacuum through piped) and 1/506 (Unfitted) manufactured between 1951 and 1957 totalling some 2300 vehicles, however it is also planned to produce the last batches of Diagrams 1/506 and 1/507 totalling 1830 units, these having roller bearing axle boxes in place of the oil type and Oleo self-contained buffers.

OO gauge model of LNER dynamometer car

Rails of Sheffield has revealed that it is working with Rapido Trains Inc to produce an OO gauge model of the LNER's record-breaking dynamometer car No. 23591.

Best known as the vehicle that recorded the 126mph run of LNER A4 No. 4468 *Mallard* on July 3, 1938, the iconic 1906-built North Eastern Railway test car is now part of the National Collection, reunited with *Mallard* at the National Railway Museum in York.

No. 23591 will be the first of a series of products released under the 'Rails Exclusive' brand of ready-to-run models, produced

exclusively for Rails of Sheffield. Two versions will be offered initially, depicting No. 23591 in July 1938 LNER teal condition, as it was during *Mallard's* world speed record run; and post-1946 LNER teal with its later number – No. 905202 – as seen during the famous 1948 Locomotive Interchange trials. A decorated sample should be ready in time for the Warley NEC show in November, with the first production models expected to start shipping in late-2017/early-2018.

■ For further information visit www.railsofsheffield.com/exclusive

Quainton Railway Society mourns vice-president

Andrew Bratton, who was vice-president of the Quainton Railway Society passed away after a short illness in February.

Born in 1945, as a youngster he was able to photograph the passing of

steam in the area including at Quainton. He joined Quainton Railway Society in the 1960s.

Over the years, he was involved in many ideas and schemes all aimed at promoting and furthering the

railway centre, including the opportunity to acquire the Rewley Road station building from Oxford and negotiations with London Transport Museum for the overhaul and operation of flagship locomotive Metropolitan 1.

Roxey

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Etched Brass Kits in 4mm/00 and 7mm/0 Gauge



Wagon Kits in 4mm/00 & 7mm/0 Gauge



Loco Kits in 4mm/00 & 7mm/0 Gauge



Lineside Kits in 4mm/00 & 7mm/0 Gauge

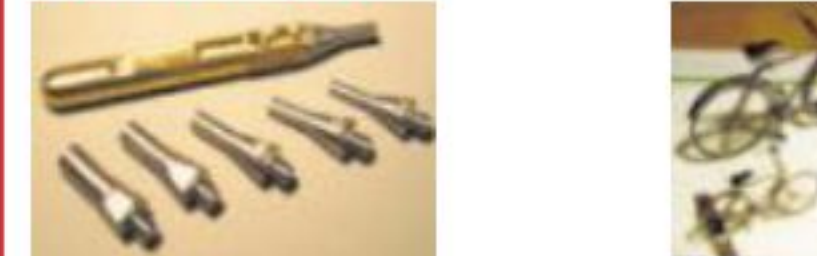


Wheels in 4mm/00 & 7mm/0 Gauge inc. DIESEL



12 Volt Motors for 4mm/00 & 7mm/0

Gearboxes for 4mm/00 & 7mm/0 Gauge



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DCC22 CLASSIC 2 Function Micro	£26.95
DCC23 CLASSIC 6 Pin Plug-in Decoder	£26.95
DCC26 Compact 8 Pin Decoder w/Harness	£15.95
DCC27 OMNI 21 & 8 Pin Decoder	£19.95
DCC28 OMNI 6 Pin Decoder with Harness	£22.95
DCC29 OMNI Direct Plug Decoder	£20.95
BPDC27 OMNI 21 & 8 Pin Decoder (5)	£89.95
BPDC28 OMNI 6 Pin with Harness (5)	£99.95
BPDC29 OMNI Direct Plug Decoder (5)	£94.95
DCC30 Accessory Decoder 4 Accessories	£64.95

DCC ACCESSORIES

DCC11 Prodigy Extension Plate	£42.95
DCC13 Prodigy Adv2 Wireless Walkaround	£189.95
DCC14 Prodigy Adv2 Backlit Walkaround	£139.95
DCC15 "Decoder Doctor" Decoder Tester	£89.95
DCC40 Auto Reverse Module	£44.95
DCC49 Prodigy DCC Booster Unit 8 Amp	£199.95
DCC51 Prodigy Wireless Conversion Set	£269.95
DCC55 Prodigy Wired Computer Interface	£64.95
DCC60 Spare plug for Prodigy	£3.95
DCC61 Medium NEM 652 Socket (5)	£8.50
DCC62 Prodigy Universal Lead (2m)	£5.95
DCC63 Prodigy Adv Power Supply Unit	£27.95
DCC64 Prodigy Power Pack Lead	£7.25
DCC65 Prodigy Express Power Supply Unit	£27.95
DCC66 Controller Caddy	£6.95
DCC71 Prodigy Decoder Tester	£10.50
DCC72 8 to 21 Pin Adaptor	£4.75
DCC77 Prodigy Walkaround Adapter	£9.95

DCC AUTOFROG



DCC80 DCC Autofrog £5.95
BPDC80 DCC Autofrog (3) £14.95

The DCC80 Autofrog is a simple switch that automatically changes the frog polarity on your DCC layout. In most situations, the use of electrofrog points is recommended on digital layouts to ensure reliability but this can make extra switching more complicated than it needs to be. Visit our website for more information on this innovative solution. Thousands sold so far!



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GMC-COMBI Single Track Controller	£42.95
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GMC-DO Twin Track O Scale	£179.95
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GMC-TS Three Track Simulation	£179.95



GMC-Q Four Track £189.95

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GMC-UD Single Track Simulation O Scale	£62.95
GMC-UD Twin Track	£57.95
GMC-UDF Twin Track Feedback	£62.95
GMC-M3 Output 1 x 24v AC (1.25a)	£54.95
GMC-UTS Three Track Controller Sim.	£82.95
GMC-UQ Four Track	£87.95

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GMC-M2 Output 1 x 18v AC (2.5a)	£54.95
GMC-M3 Output 1 x 24v AC (1.25a)	£54.95
GMC-M4 Output 2 x 12v AC (1.25a)	£54.95

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GMC-WM1 Output 1 x 16v AC or 12v DC	£20.95
GMC-WM2 Output 1 x 9v DC (0.6a)	£15.95
GMC-WM3 Kato Unitrack UK Power Supply	£15.95
GMC-WM4 Output 12v DC (Regulated)	£15.95

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GMC-T1 Output 2 x 16v AC (1a)	£27.95
GMC-T2 Output 1 x 18v AC (2.5a)	£27.95
GMC-T3 Output 1 x 24v AC (1.25a)	£27.95
GMC-T4 Output 2 x 12v AC (1a)	£27.95

MODULES

GMC-SS1 Super Shuttle Unit	£34.95
GMC-SS1LGB Super Shuttle Unit G Scale	£44.95
GMC-SS2 Station Stop Unit	£39.95



POINT CONTROL

MAINS POWERED POINT CONTROL SYSTEM

GMC-PCU1 Point Control Unit	£114.95
GMC-PCU2 Slave Unit for PCU1	£54.95

CAPACITOR DISCHARGE UNITS

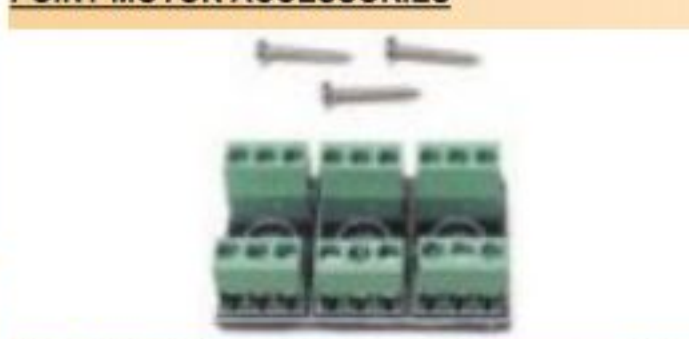


GMC-CDU Capacitor Discharge Unit £13.95

UNCOUPLERS

GMC-EM1 N Electro Magnetic Uncoupler	£9.95
GMC-EM2 Coupling Adaptor Fret (20)	£4.95
GMC-TLU OO Tension Lock Uncoupler	£10.95

POINT MOTOR ACCESSORIES



GMC-PM50 Connection Boxes (3)	£3.95
GMC-PM51 Triple Point Motor Wire 10m	£7.95
GMC-PM52 Point Motor Accessory Pack	£2.95
GMC-PM53 Harnesses for PM10D (2)	£3.95
GM612 Hole Saw & Arbor for Motor Fitting	£3.50

POINT MOTORS



GMC-PM1 SEEP Motor with Built-In Switch	£5.75
GMC-PM2 SEEP Motor No Switch	£5.25
GMC-PM4 SEEP Motor Latching Mechanism	£6.50



GMC-PM10 Solenoid Point Motor	£6.95
GMC-BPPM10 Solenoid Point Motor (5)	£29.95

Designed with easy installation in mind, this motor features a built-in reversible mounting plate (with adjustment slots and holes), robust, plated metalwork and fibreglass PCBs for longer life. The magnetic coils are high efficiency for reliable operation. Also has easy to use "solder-free" screw terminals. Includes mounting screws and a throw-bar extension.



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All the features of the PM10 but with an inbuilt DCC decoder to make wiring even easier.



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OO SCALE FLEXIBLE TRACK

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OO SCALE TRACK ACCESSORIES

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BPGM54 OO Buffer Stop (5 Pack)	£8.75



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GM67 Extra Long Track Pins 15mm	£2.75

N SCALE FLEXIBLE TRACK

GM96 900mm N/Silver Blk Flexi Track (24)	£64.95
GM18 Code 80 (N) Rail Joiners (24)	£2.95

N SCALE TRACK ACCESSORIES

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GM53 N Scale Buffer Stop	£4.95
BPGM53 N Scale Buffer Stop (Pack of 5)	£22.50
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GM200 Flexible Ballasted Underlay (5m)	£23.95
GM204 Point & Crossing Ballasting Kit	£8.25

OO BROWN BALLASTED UNDERLAY SYSTEM

GM111 OO/HO Brown Ballast (500g)	£3.75
GM210 Flexible Ballasted Underlay (5m)	£23.95
GM214 Point & Crossing Ballasting Kit	£8.25

N GREY BALLASTED UNDERLAY SYSTEM

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N BROWN BALLASTED UNDERLAY SYSTEM

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GM245 For LH Sectional Curved Points (2)	£4.50
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GM130 1/16 Cork Sheet 3' x 2' (60 x 90cm)	£7.75
GM131 1/8 Cork Sheet 3' x 2' (60 x 90cm)	£11.75
GM167 Balsa Bundle 50 x 76 x 229mm	£2.95
GM168 Balsa Bundle 75 x 150 x 450mm	£11.95

GRASS & GRAVEL MATS



GM20 Spring Grass Mat 100cm x 75cm	£7.95
GM21 Summer Grass Mat 100cm x 75cm	£7.95
GM22 Autumn Grass Mat 100cm x 75cm	£7.95
GM23 Gravel Mat 100cm x 75cm	£5.95
GM38 Spring Grass Mat 240cm x 120cm	£34.95

MEADOW MATS

GM140 Meadow Mat - Spring 6mm Grass	£9.75
GM141 Meadow Mat - Meadow 6mm Grass	£9.75
GM142 Meadow Mat - Spring 12mm Grass	£12.75
GM143 Meadow Mat-Meadow 12mm Grass	£12.75
GM147 Meadow Mat - Beige 6mm Grass	£9.75
GM148 Meadow Mat - Beige 12mm Grass	£12.75

STATIC GRASS SYSTEM



GM196 Static Grass Starter Set	£9.95
GM193 Puffer Bottle	£4.95
GM169 Static Grass Glue (250ml)	£6.95
GM170 Spring Grass Flock (30g)	£3.45
GM171 Summer Grass Flock (30g)	£3.45
GM172 Moorland Grass Flock (30g)	£3.45
GM173 Meadow Grass Flock (30g)	£3.45
GM174 Woodland Floor Grass Flock (30g)	£3.65

BUDGET SCATTERS

GM101 Meadow Scatter (50g)	£1.95
GM102 Mid Green Scatter (50g)	£1.95
GM103 Dark Green Scatter (50g)	£1.95
GM105 Spring Green Scatter (50g)	£1.95
GM108 Earth Brown Scatter (50g)	£1.95
GM109 Black Scatter (50g)	£1.95
GM110 Red/Brown Scatter (50g)	£1.95
GM112 Imitation Coal (50g)	£2.45
GM116 Grey Tarmac Scatter (50g)	£1.95

LICHENS & HEDGES



GM160 Light Green Hedgerow (1m)	£7.50
GM161 Dark Green Hedgerow (1m)	£7.50
GM164 Light Green Lichen (80g)	£4.95
GM165 Dark Green Lichen (80g)	£4.95
GM166 Assorted Lichen (80g)	£4.95

FOLIAGE

GM150 Fine Light Green Foliage (30g)	£3.55
GM151 Fine Dark Green Foliage (30g)	£3.55
GM152 Fine Mid Green Foliage (30g)	£3.55
GM153 Fine Light Brown Foliage (30g)	£3.55
GM154 Fine Brown Foliage (30g)	£3.55

STANDARD TREES

GM180 Plum Trees (3)	£7.95
GM181 Plum Trees in Blossom (3)	£7.95
GM182 Fruit Trees (3)	£7.95
GM183 Apple Trees (3)	£7.95
GM184 Birch Trees (3)	£7.95
GM185 Weeping Willow Trees (3)	£7.95
GM186 Poplar Trees (3)	£7.95
GM187 Pine Trees (3)	£8.95
GM188 Beech Trees (2)	£7.95

VALUE TREE ASSORTMENTS

GM127 N Scale Tree Assortment (10)	£9.95
GM128 OO Scale Spring Trees (10)	£11.95
GM129 OO Scale Summer Trees (10)	£11.95

BULK TREES

GM120 Deciduous Trees (25)	£22.95
GM121 Mixed Trees (25)	£22.95
GM122 Fir Trees (25)	£22.95
GM123 Small Fir Trees (50)	£19.95
GM124 Deciduous Trees (25)	£22.95
GM125 Spruce Trees (25)	£22.95

MAKE YOUR OWN TREES

GM195 Seafoam for Tree Making	£19.95
GM156 Light Green Scenic Leaves (50g)	£4.15
GM157 Mid Green Scenic Leaves (50g)	£4.15
GM158 Dark Green Scenic Leaves (50g)	£4.15

FLOWERS



GM139 Flowerbeds	£11.95
GM175 Garden Flowers	£9.95
GM176 Water Plants	£9.95
GM177 Garden Plants	£9.95
GM178 Wild Flowers	£9.95

PLANTS

GM149 Green Plants 12mm (42)	£4.95
GM159 Yellow Plants 12mm (42)	£4.95

GRASS STRIPS/TUFTS

GM136 Spring Grass Strips (36)	£11.95
GM137 Summer Grass Tufts (104)	£11.95
GM138 Flowering Grass Tufts (108)	£11.95
GM162 Green 6mm Mini Tufts (42)	£4.95
GM163 Green 12mm Mini Tufts (42)	£4.95

BRICKWORK

GM30 Plain Stone Wall Grey	£9.75
GM31 Grey Stone Wall & Buttresses	£9.75
GM32 Grey Stone Wall & Arches	£9.75
GM197 Stone Tunnel Wall	£8.75
GM198 Single Tunnel Mouth & Walls	£15.75
GM199 Double Tunnel Mouth & Walls	£20.75

BACKSCENES

GM701 Large Valley Backscene	£7.95
GM702 Large Countryside Backscene	£



STRUCTURES

GM407 Fordhampton Carriage Platforms	£9.95
GM408 Fordhampton Village Store or Pub	£17.95
GM409 Fordhampton Pub/Bistro	£19.95



GM410 Fordhampton Doctors Surgery	£15.95
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GM411 Fordhampton Farmhouse/Cottage	£15.95
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GM412 Fordhampton Gasometer	£19.95
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GM413 Fordhampton Nurseries	£19.95
GM414 Fordhampton Bridge	£12.95



KESTREL DESIGNS

N GAUGE PLASTIC KITS	
GMKD01 House	£4.75
GMKD02 Shop	£4.75
GMKD03 Bungalow	£4.00
GMKD04 Church with Porch	£6.50
GMKD05 House/Shop Unit with Glazing	£7.25
GMKD06 Two Shop Unit with Glazing	£7.25
GMKD07 Four House Unit	£7.25
GMKD08 Country Station	£9.50
GMKD09 Station Buildings	£5.75
GMKD10 Island Platform with Flat Canopy	£9.00
GMKD11 Flat Canopy	£6.50
GMKD12 Small Signal Box	£7.00
GMKD13B Farm Rail Fencing Brown	£3.50
GMKD13W Farm Rail Fencing White	£3.50
GMKD14 Telegraph Poles	£3.50
GMKD15 Windows Doors & Guttering	£4.75
GMKD16 Platforms (2)	£3.25
GMKD17 Platform Ramps (2)	£2.75
GMKD18 Station Yard Huts	£3.75
GMKD19 Weighbridge & Office	£4.75
GMKD20 Coal Office	£3.75
GMKD21 Level Crossing/Keepers Cottage	£6.50
GMKD22 Four Greenhouses	£3.50
GMKD23 Two Domestic Garages	£3.50
GMKD24 Water Tower	£4.25
GMKD25 Corner Shop	£5.00
GMKD26 Corner Pub	£5.00
GMKD27 Three Storey Townhouse	£6.50
GMKD28 Three Storey Town Shop	£6.50
GMKD29 Modern Station	£8.75
GMKD30 Modern Station Waiting Room	£6.25
GMKD31 Station Masters House	£7.00
GMKD32 Pair Pre War Semi Det. Houses	£8.00
GMKD33 Boilerhouse & Chimney	£7.00
GMKD34 Stable Block	£4.25
GMKD35 Cow Shed	£4.00
GMKD36 Barn	£6.50
GMKD37 Farm House	£8.25
GMKD38 Steel Footbridge	£8.25
GMKD39 Modern Industrial Unit	£6.50
GMKD40 Modern Fire Station	£8.00
GMKD41 Platforms Wide (2)	£3.75
GMKD42 Platform Ramps Wide (2)	£3.25
GMKD43 Goods Shed	£8.50
GMKD1000 Town Station	£17.95
GMKD1001 Old Factory with Chimney	£20.95

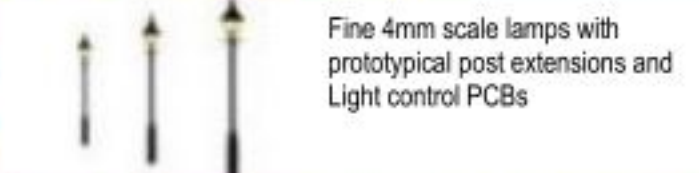
N GAUGE LASER CUT KITS	
<i>The same as the ultra detailed OO equivalents (GM451/GM452/GM453) - pack sizes vary from the 4mm versions though</i>	
GMKD51 Wooden Fencing	£5.75
GMKD52 Lattice Fencing	£5.75
GMKD53 Garden Sheds (2)	£6.00

N GAUGE VALUE KIT SETS	
GMKD2000 Station Set	£15.95
GMKD2001 Town Set	£13.95
GMKD2002 Suburban Set	£15.95
GMKD2003 Farm Set	£17.95



LIGHTING

OO SCALE LAMPS & LIGHTING



GM801 Barley Twist Gas Lamp Soft Black (3)	£13.95
GM802 B/Twist Gas Lamp BR/SR Green (3)	£13.95
GM803 B/Twist Gas Lamp LMS Maroon (3)	£13.95
GM804 B/Twist Gas Lamp GWR Stone (3)	£13.95
GM805 B/Twist Gas Lamp Grey Undercoat (3)	£13.95
GM806 Taper Post Gas Lamp Soft Black (3)	£13.95
GM807 Taper Post Gas Lamp BR/SR Grn (3)	£13.95
GM808 T/Post Gas Lamps LMS Maroon (3)	£13.95
GM809 T/Post Gas Lamps GWR Stone (3)	£13.95
GM810 T/Post Gas Lamp Grey Undercoat (3)	£13.95
GM811 Taper Post Oil Lamp Soft Black (3)	£13.95
GM812 Taper Post Oil Lamp BR/SR Green (3)	£13.95
GM813 Taper Post Oil Lamp GWR Stone (3)	£13.95
GM814 Taper Post Oil Lamp GWR Stone (3)	£13.95
GM815 T/Post Oil Lamp Grey Undercoat (3)	£13.95
GM816 Swan Neck Lamp Soft Black (3)	£13.95
GM817 Swan Neck Lamp BR/SR Green (3)	£13.95
GM818 Swan Neck Lamp LMS Maroon (3)	£13.95
GM819 Swan Neck Lamp GWR Stone (3)	£13.95
GM820 W/Mounted Swan Neck Black (2)	£13.95
GM821 W/Mounted Swan Neck SR/BR Grn (2)	£13.95
GM822 W/Mounted Swan Neck LMS Mm (2)	£13.95
GM823 W/Mounted Swan Neck GWR Stone (2)	£13.95
GM824 W/Mounted Gas Lamp Soft Black (2)	£13.95
GM825 W/Mounted Gas Lamp BR/SR Grn (2)	£13.95
GM826 W/Mounted Gas Lamp LMS Maroon (2)	£13.95
GM827 W/Mounted Gas Lamp Undercoat (2)	£13.95
GM828 W/Mounted Gas Lamp GWR Stone (2)	£13.95
GM829 Modern Sgl Head Adjustable Lamp (4)	£15.95
GM830 Modern Dbl Head Adjustable Lamp (3)	£13.95

OO SCALE VALUE PACKS LAMPS & LIGHTING



GM851 Barley Twist Gas Lamp Soft Black	£32.95
GM852 B/Twist Gas Lamp SR/BR Green	£32.95
GM853 B/Twist Gas Lamp LMS Maroon	£32.95
GM854 B/Twist Gas Lamp GWR Stone	£32.95
GM855 B/Twist Gas Lamp Grey Undercoat	£32.95
GM856 Taper Post Gas Lamp Soft Black	£32.95
GM857 Taper Post Gas Lamp BR/SR Green	£32.95
GM858 Taper Post Gas Lamp LMS Maroon	£32.95
GM859 Taper Post Gas Lamp GWR Stone	£32.95
GM860 Taper Post Gas Lamp Undercoat	£32.95
GM861 Taper Post Oil Lamp Soft Black	£32.95
GM862 Taper Post Oil Lamp SR/BR Green	£32.95
GM863 Taper Post Oil Lamp LMS Maroon	£32.95
GM864 Taper Post Oil Lamp GWR Stone	£32.95
GM865 Taper Post Oil Lamp Grey Undercoat	£32.95
GM866 Swan Neck Lamp Soft Black	£32.95
GM867 Swan Neck Lamp SR/BR Green	£32.95
GM868 Swan Neck Lamp LMS Maroon	£32.95
GM869 Swan Neck Lamp GWR Stone	£32.95
GM879 Modern Sgl Head Adjustable Height	£32.95
GM880 Modern Dbl Head Adjustable Height	£19.95

LIGHTING ACCESSORIES	
GM895 Light Control PCB - LED/Lamp (2)	£6.95
GM896 Light Control PCB - LED/Lamp (5)	£12.95
GM897 Mini Light Control PCB - LED (10)	£4.95
GM898 Mini Light Control PCB - Lamp (10)	£4.95
GM899 Spare Bulbs for Lamps (5)	£4.95



TOOLS

MODEL RAILWAY MAINTENANCE



GM50 OO/HO Locomotive Wheel Cleaner	£39.95
GM47 N Gauge Wheel Cleaner	£34.95
GM51 Spare Pads for GM50	£17.95
GM49 Spare Pads for GM47	£17.95
GM59 N Scale Wheel Cleaner	£15.95



GM60 OO Scale Wheel Cleaner	£19.95
GM619 Precision Lubricator	£4.75
GM667 Superfine Oil Pen w/Teflon Particles	£6.25
GM668 Electrical Contact Oil Pen	£9.95

TRACK RUBBERS

GM26 Track Rubber	£3.25
GM27 Jumbo Track Rubber	£5.95

CUTTING MATS

GM599 A6 Size	£2.95
GM600 A2 Size	£15.95
GM601 A3 Size	£10.95
GM602 A4 Size	£5.95
GM603 A5 Size	£3.95

GENERAL MODELLING TOOLS

GM604 Round Nose Pliers	£6.95
GM605 Flat Nose Pliers	£6.95
GM606 Side Cutters	£6.95
GM607 Half Round Pliers	£6.95
GM608 Bent Nose Pliers	£6.95
GM609 S/Steel Tweezers (4)	£7.95
GM610 Double Ended Pin Vice	£5.95
GM611 Sawset 1 w/ Scalpel Handle	£10.95
GM613 Trim-away Knife	£3.95
GM614 Stainless Steel Scalpel & Blades	£5.50
GM615 Plastic Scalpel & Blades	£5.95
GM616 Disposable Knife Set (3)	£1.95
GM617 Pick-Up Tool	£6.95
GM618 Magnifier Tweezers	£4.25



GM620 Flexible Model Sanders (3)	£2.95
GM621 Locking forceps Curved	£7.50
GM622 Hot Wire Cutter for Scenic Modelling	£19.95
GM623 Wires for Hot Wire Cutter (5)	£4.95
GM624 Swivel Top Pin Vice	£6.95
GM625 Curved Tweezer Reverse Action	£4.95
GM626 Straight Tweezer Reverse Action	£4.95
GM627 Blunt End Tweezer Reverse Action	£4.95
GM628 Mini Hobby Hammer	£3.95
GM629 Cutting Discs (10)	£4.95
GM630 Screw Top Mandrels (3)	£4.75
GM631 Slitting Discs (10) & Mandrel	£5.50
GM632 Budget Needle File Set	£6.25



GM633 Glass Fibre Pencil 4mm	£4.75
GM634 4mm G/Fibre Refills (10)	£7.50
GM635 2mm Glass Fibre Pencil	£9.95
GM636 2mm G/Fibre Refills (5)	£6.95
GM637 Modelling Scissors	£5.95
GM638 Cutting Broaches 0.6-2.0	£16.50
GM639 150mm (6") Steel Rule	£3.50
GM640 Archimedian Drill Stock	£6.95
GM641 HSS Jbbers Drills 0.5 (5)	£3.95
GM642 HSS Jbbers Drills 0.8 (5)	£3.95
GM643 HSS Jbbers Drills 1.0 (5)	£3.95
GM644 HSS Jbbers Drills 1.2 (5)	£3.95
GM645 HSS Jbbers Drills 1.5 (5)	£3.95
GM646 HSS Jbbers Drills 1.8 (5)	£3.95
GM647 HSS Jbbers Drills 2.0 (5)	£3.95
GM648 Microbox Drills 0.3-1.6	£10.95
GM649 Microbox HSS Twist Drill Bits 61-80	£10.95
GM650 HSS Jbbers Drills 0.3 (5)	£3.95
GM651 HSS Jbbers Drills 0.4 (5)	£3.95
GM652 HSS Jbbers Drills 0.6 (5)	£3.95
GM653 HSS Jbbers Drills 0.7 (5)	£3.95
GM654 HSS Jbbers Drills 0.9 (5)	£3.95



GM657 Five in One Angle Gauge & Tool	£9.95
GM660 Pick n Place Twin Pack	£8.95
GM664 Economy Sprue/Plastic Cutter	£4.95
GM666 Clip On Magnifying Eye Glass	£6.95
GM669 Pin Pusher with Depth Stop	£10.95
GM670 Deluxe Paintbrush Set	£12.95
GM683 Soft Grip Knife Set with Blades	£6.95
GM684 Spare Blades for GM683	£1.50
GM693 Value Model Railway Drill	£9.95
GM694 Mains Powered Value Drill	£16.95
GM695 Model Railway Screwdriver Set	£4.95
GM696 Masking Tape 6mm x 18m (2)	£2.25
GM697 Masking Tape 10mm x 18m (2)	£2.95
GM698 Masking Tape 18mm x 18m (1)	£2.95

RAZOR SAWS

GM671 4 in 1 Saw Set	£19.95
GM672 Razor Saw Superfine	£11.95
GM674 Razor Saw Fine	£11.95
GM675 Razor Saw Medium	£11.95
GM676 Aluminium Mitre Box	£16.95
GM677 Fine Woodcraft Saw	£11.95
GM678 Flush Cutting Saw	£15.95
GM679 Universal Razor Saw	£12.95

SOLDERING STATION

GM661 Complete Soldering Station	£29.95
GM662 Spare Tip	£2.95

SOLDERING IRONS & BITS

GM680 15W 230V Soldering Iron	£16.95
GM681 25W 230V Soldering Iron	£17.95
GM682 40W 230V Soldering Iron	£19.95
GM685 15W No.6 Tip	£3.95
GM686 15W No.8 Tip	£3.95
GM687 25W No.6 Tip	£3.95
GM688 25W No.7 Tip	£3.95
GM689 25W No.8 Tip	£3.95
GM690 40W No.6 Tip	£3.95
GM691 40W No.7 Tip	£3.95
GM692 40W No.8 Tip	£3.95

SOLDERING ACCESSORIES

GM01 Low Melt Solder 70 degrees (20g)	£4.45
GM02 Solder 180 degrees (20g)	£4.15
GM03 White Metal Flux	£6.25
GM04 Brass Flux	£6.25
GM05 Non Acid Safety Flux	£6.50
GM06 Solder Wire 145 Degrees	£4.95
GM659 Desoldering Pump	£3.95



ELECTRICS

SWITCHES

GM501 Slide Switch DPDT	£1.70
GM502 Slide Switch DPDT (C/off)	£1.70
GM503 Toggle Switch SPST	£2.35
GM504 Toggle Switch DPDT	£2.65
GM505 Mini-Toggle DPDT (C/off)	£3.15
GM506 Mini-Toggle DPDT	£2.75
GM507 Mini-Toggle SPST	£2.45
GM508 Mini-Toggle SPDT	£2.45
GM509 Mini-Toggle SPDT (C/off)	£2.45
GM510 Mini-Toggle for Point Motors	£2.70
GM511 Mini-Toggle for G Point Motors	£3.65
GM512 Push to Break Black (5)	£5.95
GM513 Push to Make Black (5)	£2.85
GM514 Push to Make Blue (5)	£2.85
GM515 Push to Make Green (5)	£2.85
GM516 Push to Make Red (5)	£2.85
GM517 Push to Make White (5)	£2.85
GM518 Push to Make Yellow (5)	£2.85
GM519 Rotary Switch 1 Pole 12 Way	£2.85
GM520 Rotary Switch 2 Pole 6 Way	£3.75
GM521 Rotary Switch 3 Pole 4 Way	£3.75
GM522 Rotary Switch 4 Pole 3 Way	£3.75
BPGM501 Slide Switch DPDT (25)	£12.95
BPGM502 Slide Switch DPDT (C/off) (25)	£12.95
BPGM503 Toggle Switch SPST (25)	£34.95
BPGM504 Toggle Switch DPDT (25)	£42.95
BPGM505 Mini-Toggle DPDT (C/off) (25)	£44.95
BPGM506 Mini-Toggle DPDT (25)	£42.95
BPGM507 Mini-Toggle SPST (25)	£34.95
BPGM508 Mini-Toggle SPDT (25)	£34.95
BPGM509 Mini-Toggle SPDT (C/off) (25)	£39.95
BPGM510 Mini-Toggle for Point Motors (25)	£44.95
BPGM513 Push to Make Black (25)	£9.95
BPGM514 Push to Make Blue (25)	£9.95
BPGM515 Push to Make Green (25)	£9.95
BPGM516 Push to Make Red (25)	£9.95
BPGM517 Push to Make White (25)	£9.95
BPGM518 Push to Make Yellow (25)	£9.95

WIRE

GM09RB Twinned Wire Red/Black (10m)	£5.95
GM10 Wire Red/Black/Green (10m of each)	£5.95
GM11BK Wire Black 7 x 0.2mm (10m)	£2.15
GM11BL Wire Blue 7 x 0.2mm (10m)	£2.15
GM11BN Wire Brown 7 x 0.2mm (10m)	£2.15
GM11GN Wire Green 7 x 0.2mm (10m)	£2.15
GM11GR Wire Grey 7 x 0.2mm (10m)	£2.15
GM11O Wire Orange 7 x 0.2mm (10m)	£2.15
GM11P Wire Pink 7 x 0.2mm (10m)	£2.15
GM11PP Wire Purple 7 x 0.2mm (10m)	£2.15
GM11R Wire Red 7 x 0.2mm (10m)	£2.15
GM11W Wire White 7 x 0.2mm (10m)	£2.15
GM11Y Wire Yellow 7 x 0.2mm (10m)	£2.15
BPGM11BK Black Wire 7 x 0.2mm (100m)	£7.95
BPGM11BL Blue Wire 7 x 0.2mm (100m)	£7.95
BPGM11BN Brown Wire 7 x 0.2mm (100m)	£7.95
BPGM11GN Green Wire 7 x 0.2mm (100m)	£7.95
BPGM11GR Grey Wire 7 x 0.2mm (100m)	£7.95
BPGM11O Orange Wire 7 x 0.2mm (100m)	£7.95
BPGM11P Pink Wire 7 x 0.2mm (100m)	£7.95
BPGM11R Red Wire 7 x 0.2mm (100m)	£7.95
BPGM11W White Wire 7 x 0.2mm (100m)	£7.95
BPGM11Y Yellow Wire 7 x 0.2mm (100m)	£7.95

GENERAL ELECTRICAL ACCESSORIES

GM12 Pair Connecting Leads (Pin/Bare Wire)	£4.65
GM14 Crimped Pin Terminals (6)	£2.95
GM15 Ring Terminals (6)	£1.95
GM16 Pair Connecting Leads (Pin/Pin)	£4.95
GM28 Crocodile Clips Red/Black Pair	£1.75
GM29 Knob for Rotary Switches & Pots	£2.85
GM40 1.5a Rectifier	£4.95
GM41 Thermal Cut-Out 1 Amp	£3.95
GM42 Thermal Cut-Out 2.5 Amp	£3.95
GM74 1a Diodes for PCU1 & SS1 (20)	£2.45
GM75 PS6 6-Way Din Plug/Socket	£3.15
GM77 12-Way Poly Terminal Block	£1.95
GM79 2.1mm Socket for WM1 Transformer	£1.95
GM89 Pack of 5 Amp Fuses (5)	£2.75

LIGHTING

GM61 Micro LED White (4)	£7.95
GM62 Micro LED Red (4)	£7.95
GM63 Micro LED Blue (4)	£7.95
GM64 Micro LED Orange (4)	£7.95
GM69 Grain of Wheat Bulb 12v Yellow (5)	£3.95
GM70 Grain of Wheat Bulb 12v Red (5)	£3.95
GM71 Grain of Wheat Bulb 12v Clear (5)	£3.95
GM72 Grain of Wheat Bulb 12v Green (5)	£3.95

GM73 Grain of Wheat Bulb 12v Orange (5)	£3.95
BPGM69 GOW 12v Yellow (100)	£49.95
BPGM70 GOW Bulb 12v Red (100)	£49.95</

Graham Farish N gauge auto-trailer

A new N gauge tooling of the popular Hawksworth auto-trailer is described by **Nigel Burkin**.

FOLLOWING UP ON THE recent release of Bachmann's Hawksworth auto-trailer model come three different versions of a completely new N gauge tooling for the same type of auto-trailer, to be sold under the Graham Farish label. The BR unlined crimson-liveried model representing No. W237W (374-611) is featured in this edition of What's in the Shops.

Both the OO and N gauge models are lovely replicas of the 25 auto-trailers (also called auto-coaches) that were constructed at Swindon in 1951 (Nos. 220-234) and 1954 (Nos. 235-245) by BR and not the GWR. As reported in the issue 3 review of the OO gauge model, the 1950s BR-built auto-trailers were required to replace life-expired vehicles still plying their trade over much of the former GWR system.

When compared with GWR-built vehicles, the 'modernised' BR version of the Hawksworth trailer design retained the distinctive bow-ended shape of the vehicle ends but with smoother sides and changed

passenger saloon windows compared with earlier builds.

Auto-trailers were used with locomotives specially adapted with the electrical connections, control rod and flexible couplings required to drive the locomotive from the cab of the auto-trailer when propelling.

Auto-working was an efficient way of providing passenger workings over branch lines by avoiding the need to run a locomotive around its train at the terminus. Two or more auto-trailers (of any GWR diagram) could be marshalled on either side of the locomotive to increase seating capacity.

The trio of N gauge models are finished in different liveries compared with the recent OO gauge releases: The attractive but apparently erroneous (on the part of Swindon Works, not Graham Farish) BR carmine and cream livery applied to the 1951 batch of saloons is represented (374-610) together with lined BR maroon (374-611). The model described in this article carries the originally correct (as far as BR (WR) management was

concerned) unlined crimson livery (374-612) associated with secondary passenger services. The GWR chocolate and cream scheme, as applied by heritage railways to some preserved saloons, is not represented this time round.

Auto-fitted locomotives include the iconic 'pannier tank' locomotives of the 54xx and 64xx Class and to go with the trailers, Bachmann offers two suitable models of 64xx Class locomotives decorated in BR livery in its range including No. 6417 finished in BR black (371-986) and lined BR green as No. 6412 (371-987).

Bodyshell

In common with up-to-date toolings from Graham Farish, the new tooling for the auto-trailer is particularly refined in appearance, faithfully capturing the character of bow-ended Hawksworth auto-trailers. Attention must be drawn to the fine roof detail; body side panelling; grab rails and cab front detail. Detailing of the nicely proportioned bodyshell

Model details:

Hawksworth (BR) 1951 and 1954 GWR auto-trailer coaches.

Manufacturer:

Bachmann Europe Plc under its Graham Farish label.

Scale:

2mm (1:148) scale, N gauge.
Runs on gmm gauge track.

Era:

1951 to early 1960s.

Web:

www.bachmann.co.uk

Suggested retail price:

£34.95.

is enhanced with a separate warning bell fitted to the cab front and entrance door handrails made from wire. The body moulding is designed so the saloon windows appear to be fitted to thin steel sides as would be the case with the full-size saloons.



A side view of No. W237W with the driving cab to the right of the picture.



Auto-trailer No. W237W is finished in simple unlined BR crimson livery as per the official livery applied to non-main line stock in the 1950s until it was replaced with BR maroon.

RIGHT: A view of the inner end of the trailer with its guard's compartment. The bow-ended design is characteristic of this design of auto-trailer, a feature that is faithfully captured in the model.

Interior detail and glazing

Clear flush glazing is fitted with little sign of an edge around the frames. It allows a good view of a detailed saloon, which includes separately painted seats and the correct interior layout. The layout includes a representation of the inward-facing seats; the guard's compartment at the inner end of the saloon as well as the »



BELOW: Close coupling cams are fitted to both ends of the trailer. A NEM coupling pocket (A) is fitted to the cam (B) which moves from side to side to allow close coupling even on sharply curved N gauge track. Two lengths of coupling (C) are supplied with the model, together with headstock details.

« driving cab. The latter has some fine interior details including the brake and regulator handles.

Bogies, wheels and underframe

The model rolls freely on metal wheels fitted to plastic bogie mouldings, which are neatly tooled with fine spring and axle box detail. The high level of refinement found on the OO gauge model is apparent on

the underframe of the N gauge model too, which is equipped with a wealth of separately moulded details. Trussing, battery boxes, dynamo and brake fittings are all standalone parts fitted to a correctly shaped underframe. Long buffers add to the model's character and a pack of additional headstock details are supplied for the modeller to fit if desired.

Close coupling cams are fitted to both ends of the model allowing it to be close coupled to other trailers and the locomotive. Two lengths of coupling are also included, which clip neatly into the NEM coupling pockets fitted to the cams. It would be quite prototypical to use more than one auto-trailer in a train as they were often used in pairs, one coupled to either side of the locomotive.

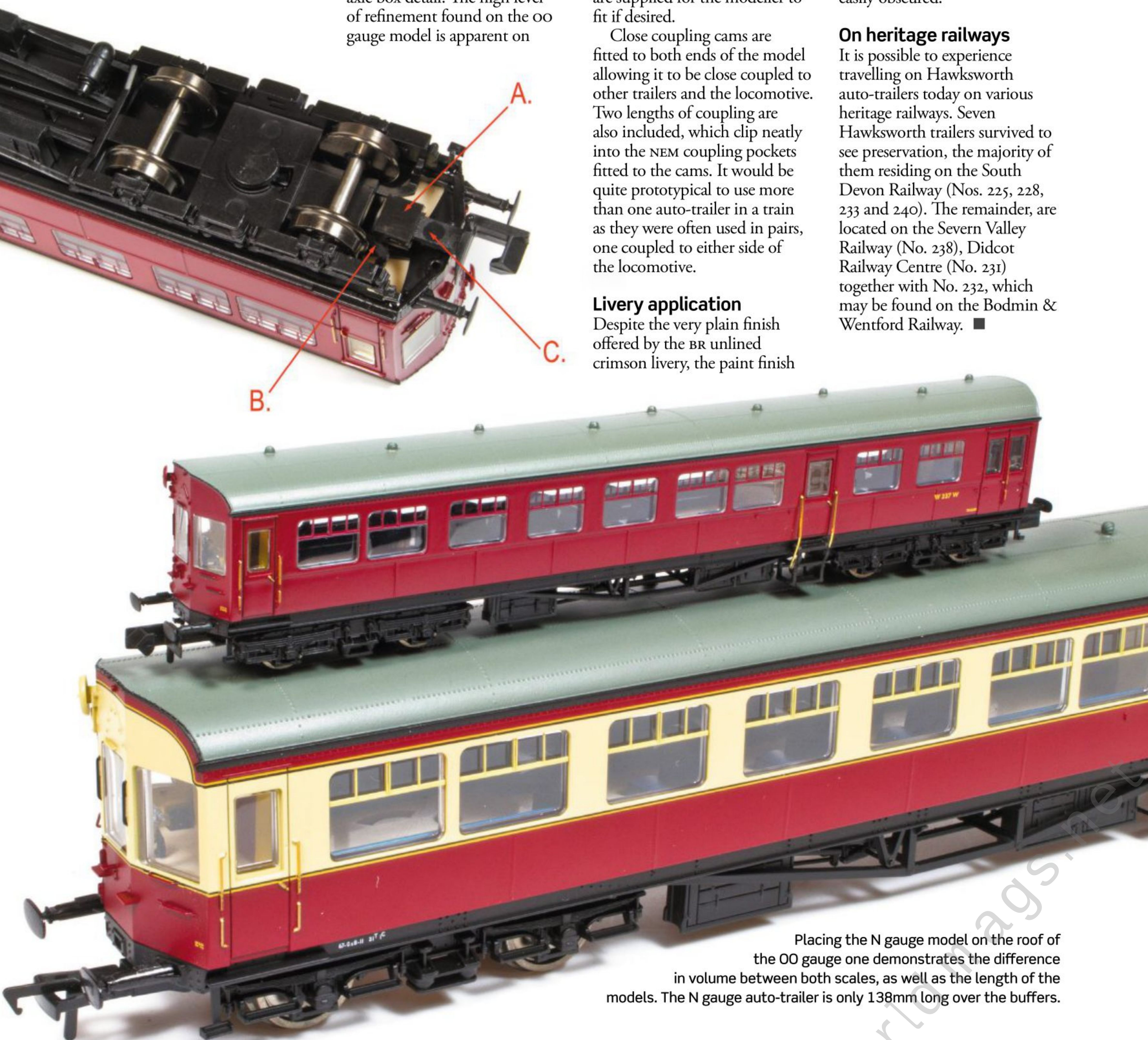
Livery application

Despite the very plain finish offered by the BR unlined crimson livery, the paint finish

is particularly fine, with a consistent eggshell satin finish and neat lettering. The colours used are accurate and opaque, with no loss of paint over raised detail. The paint has covered the fine detail well but not concealed it – something the modeller must consider if planning to weather the model – some of it could be easily obscured.

On heritage railways

It is possible to experience travelling on Haworth auto-trailers today on various heritage railways. Seven Haworth trailers survived to see preservation, the majority of them residing on the South Devon Railway (Nos. 225, 228, 233 and 240). The remainder, are located on the Severn Valley Railway (No. 238), Didcot Railway Centre (No. 231) together with No. 232, which may be found on the Bodmin & Wentford Railway. ■



Placing the N gauge model on the roof of the OO gauge one demonstrates the difference in volume between both scales, as well as the length of the models. The N gauge auto-trailer is only 138mm long over the buffers.

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N gauge GWR 4073 Castle Class locomotives

The first N gauge steam locomotive model in the Graham Farish range to feature the 'Next 18' DCC interface and digital sound is the iconic GWR 4073 Castle Class designed by Charles Collett, writes **Nigel Burkin**.

A FIRST RELEASE OF A brand-new tooling is always an exciting event and in N gauge too, for the GWR 4073 Castle Class is a particularly popular class of express passenger locomotive among GWR and BR Western Region modellers.

Designed by Charles Collett, they were used system-wide over the GWR network to haul principal trains including express mail and newspaper traffic. In common with many successful classes of locomotive, they had a long construction history with the first 10 locomotives being constructed between 1923 and 1924, numbered Nos. 4073-4082 and the last, No. 7037 leaving Swindon as late as August 1950.

As the name of the locomotive class suggests, they were named after castles, with the odd exception. Railway historians have commented on the lack of a prototype for the class. The locomotive was an onward (and more powerful) development of the Star Class

of express passenger locomotive. Construction was fairly continuous with nine batches constructed from 1923 through to 1939, with the odd hiatus.

The Second World War resulted in construction being delayed after completion of No. 5097, recommencing by the GWR in 1946 with No. 5098.

Nationalisation did not bring the building of the Castle Class to a halt. BR Western Region ordered two more batches, which were built between 1948 and 1950, resulting in a total of 171 locomotives. They were a very successful design, being powerful enough to manage all but the heaviest of main line expresses, which were placed in the hands of the larger King Class locomotives.

Despite their long construction time span, they saw few modifications to their basic design except for the adoption of a larger-capacity tender from around 1926.

Withdrawals commenced in 1959 as dieselisation began to take its toll with the last to

be taken out of traffic being No. 7029 *Clun Castle* at the end of 1965. It is one of eight that found their way into preservation and is located at the Tyseley Locomotive Works where it is undergoing restoration.

A fair spread of locomotives from the various construction batches entered preservation. The first of the 'New Build' dating back to 1923, preserved as a static exhibit at the National Railway Museum, is No. 4073 *Caerphilly Castle*. From the same batch of locomotives is No. 4079 *Pendennis Castle*, currently located at the Didcot Railway Centre. No. 5029 *Nunney Castle* (1934) is privately owned and undergoing restoration at Crewe, while No. 5043 *Earl of Mount Edgcumbe*, built in 1936, is located at the Tyseley Locomotive Works. Also built in 1936 and preserved at the Didcot Railway Centre is No. 5051 *Earl Bathurst*. From 1939 comes No. 5080 *Defiant* on static display at the Buckingham Railway Centre.

Rounding up what is an

impressive list of eight surviving locomotives is No. 7027 *Thornbury Castle*, which is privately owned. Many of the preserved locomotives have worked on the main line in preservation and several are being restored for main line operation.

The model

Bachmann had a rich history and eight surviving locomotives to draw upon when it decided to invest in completely new N gauge toolings for the GWR Castle Class locomotive. The model is completely up to date and makes a welcome replacement for the now obsolete Poole-designed model.

The first release of the new tooling consists of four models including No. 5041 *Tiverton Castle* (372-031) featured in this article, which is finished in BR green with early BR herald and the first N gauge steam locomotive model in the Graham Farish range to be equipped with on-board digital sound (No. 5029 *Nunney*



The locomotive and tender are linked with a coupling bar together with electrical connections allowing current to be collected with both driving and tender wheels and fed to a circuit board located in the tender.



No. 5041 *Tiverton Castle* (372031) is one of four Castle Class 4-6-0 models to be released in the early summer of 2017.

Castle 372-033Ds). There are other innovations such as the inclusion of a new 'Next 18' DCC interface and the use of a fine-quality coreless motor powering a sophisticated drive located in the locomotive.

Body shell

Bachmann has created a beautiful model of this once numerous and popular class of locomotive. It has all of the fine lines of the full-size locomotives including a subtle taper to the boiler and commendably thin cab walls. Moulded detail such as boiler bands are fine but crisp and important locomotive features such as the chimney,

splashers and cab are of the correct shape when compared with photographs. Incidentally, the cab is a separately moulded sub-assembly with some commendably fine detail on the inside – I look at the back head detail and have to remind myself that it is an N gauge model...

Fine details

It would be strange if an up-to-date tooling didn't include a wealth of finely tooled standalone details and separate wire hand rails. Such details include tender fittings, brake shoes and hangars; whistles, vacuum brake hoses and a separately attached metal cab floor plate hinged off the footplate. »



The model is neatly finished with carefully applied detailing parts, wire grab rails and careful printing of livery elements. The tapered boiler and firebox profile is spot on and the distinctive cab roof profile nicely executed as part of a separate sub-assembly.

What's *in* the shops

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« Wheels and valve gear

The fine appearance of the wheels is impressive, with the correct counter weights, individual spokes and a neat black finish. Coupling rods and valve gear are finished in a dull metal colour and move freely when the model is run. Care has been taken in the assembly of this area of the model to ensure that it runs smoothly without any catching or binding of the coupling rods.

Model details:

GWR 4073 Castle Class 4-6-0 express passenger locomotive.

Manufacturer:

Bachmann Europe Plc.
Sold under the Graham Farish by Bachmann brand.

Scale:

2mm (1:148) scale, N gauge.

Era:

1923-1965.

Web:

www.bachmann.co.uk

Suggested retail prices:

372-030: No. 5044 *Earl of Dunraven* GWR green. £139.95.

372-031: No. 5041 *Tiverton Castle* BR Green with early BR herald. £139.95.

372-032: No. 5070 *Sir Daniel Gooch* BR green with late BR herald. £139.95.

372-033DS: No. 5029 *Nunney Castle* heritage GWR green and with on-board digital sound. £219.95.

May I draw your attention to the comprehensive instruction leaflet supplied with the model, which provides important information on the lubricating points on the valve gear.

Electronics

Current collection is made from the driving wheels of the locomotive itself together with the three pairs of tender wheels (also fine in appearance). The locomotive is linked with both a coupling bar and electrical connections, which work on contacts located on the underside of the tender. Wheels fitted to the tender are split spoke with an insulating bush. Current collection is made through stub axles making contact with bearing cups located in the axle boxes.

Collecting current over such a good length of the model helps prevent stalling on complex track work and will allow sound-equipped models to perform to their best. That takes me on to the decoder socket, it's a new design called 'Next 18' with 18 connections and the capability for simple push fit of a Next 18 decoder. It is located in the

The relative size of the model can be gauged by comparing it with a small coin. This comparison further demonstrates the impressive level of detail applied to the model.

tender and will also allow simple digital sound installation. Two solder pads are provided on the DCC socket circuit board for connecting a sugar cube (marked SP+ and SP-) which can be safely accommodated in the tender. To further facilitate decoder and sound installation, the tender body is clipped in place and very easy to remove without damaging any of its fine detail.

Overall

The brand new N gauge Castle Class locomotive is a very fine

model with a great deal of carefully considered technical design in addition to its nicely proportioned body and tender. The facility for simple DCC conversion and sound installation is excellent and on-board sound (model 372-033DS) a first for a Graham Farish steam locomotive model and a tangible sign of things to come. The detailed instruction leaflet is very well presented and contains a wealth of good information on running-in, DCC, lubrication and general care. ■

Model features in a nutshell:

- Next generation of DCC interface socket: 'Next 18'.
- On-board digital sound fitted to No. 5029 *Nunney Castle* (372-033DS).
- Facility to fit digital sound to the tender.
- Motor drive fitted to the locomotive.
- Fine coreless motor (do not use with high-frequency track cleaners).
- Tender body is a simple push fit allowing easy access for decoder and speaker installation.
- Detailed cab back head.
- Flush fitting glazing.
- Fine wheels with individual spokes.
- Fully working valve gear.
- NEM coupling pockets.
- Four liveries to choose from including one heritage locomotive.
- Overall length: 136mm.
- Weight including tender: 67g.



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A short wheelbase made the locomotive suitable for light railways with sharp curves and inclines, while delivering a good level of tractive effort. The perfect model for a layout featuring an industrial theme.

WD Austerity Perfection from DJ Models

The popular Hunslet WD Austerity 0-6-0ST locomotive (J94) is brought up to date in OO gauge by DJ Models, says **Nigel Burkin**.

INDUSTRIAL AND PRIVATE-owner locomotives are very popular with modellers and make the perfect motive power for small layouts or those who wish to indulge in some freelance modelling. The up-to-date DJ Models OO gauge WD Austerity 0-6-0ST (J94) locomotive fits the bill perfectly: compact and with a drive set up for slow-speed running suitable for shunting.

They became the hard-used workhorses for industry and private railways after the war, with little glamour attached to their essential duties. Although some led cosseted lives and were kept in immaculate condition such as those retained by the Army, the majority were used (and abused) in some quite challenging operating conditions.

The 0-6-0ST Austerity was conceived as a War Department (WD) locomotive and is credited to the Hunslet Engine Company because the intentionally short-life design was based on one of the

company's standard 0-6-0ST designs. Austere they were indeed, being of what was considered to be lesser quality fabrication to save time, materials and money. A bunker was provided to the rear of the cab, while a large saddle tank was fitted over the boiler and smokebox. Its short wheelbase chassis made it suitable for the sharp track curvature typical of light railways, dock yards and industrial sites. Demand, particularly during the war years, saw construction contracted to a number of builders known for industrial locomotive building including Andrew Barclay, Bagnall, Hudswell Clarke and the Vulcan Foundry.

In the four years between 1943 and 1947, 377 locomotives were built for the WD. They were sent to Europe after D-Day and also found use at docks and military sites in the UK. Following the war, a significant proportion of the WD fleet was sold. Noteworthy are the 75 locomotives sold to the LNER

(a preferred option to building additional J50 locomotives) and a handful that remained in the Netherlands to work on the Nederlandse Spoorwegen. They were not the only Austerity locomotives to remain in continental Europe – records indicate that some worked light and industrial railways in France and the Netherlands after the war.

The majority of the locomotives sold out of WD ownership ended up on heavy industrial sites where a large volume of shunting was required. Construction continued after the war, primarily for industrial customers, of which the National Coal Board (NCB) was perhaps the largest operator. Much of the NCB fleet worked colliery sites until the late 1970s. Austerity locomotives continued to be used between Bickershaw Colliery and BR exchange sidings in the Lancashire Coalfield as late as 1983 where the incongruous sight of small steam locomotives hauling air-braked

MGR wagons was a common sight.

Turning our attention to the 75 locomotives sold to the LNER, they became classified as J94 and were modified to bring them in line with main line standards.

A couple of examples were fitted with extended coal bunkers and ladders, modifications that were added to further members of the fleet by BR after Nationalisation. They remained in traffic until 1967 when the remaining J94s were those operated over the difficult Cromford and High Peak Railway.

The class has a rich and varied history coupled to a relatively long operational life, which is remarkable given that they were built as a short-life locomotive. It comes as little surprise that a significant number of the 485 locomotives survived to see preservation, although of the 70-odd locomotives to be preserved, not all have survived intact.



ABOVE: Front and back of LNER No. 8023, a model very recently released to the shops and now widely available. It features the standard height coal bunker.



The model

DJ Models has produced what most modellers now regard as the definitive 0-6-0ST WD Austerity (J94) in OO gauge and is currently developing an N gauge model. First announced in September 2013, the model first made its appearance decorated in various industrial railway liveries in the summer of 2016 as limited-edition models for Hattons Model Railways. A BR J94, No. 68023 with tall coal bunker and early emblem (OOJ94-001), was placed on general release.

Around the same time, a number of J94 models were announced for general release including BR No. 68061 (OOJ94-002), BR No. 68068 (OOJ94-005) together with LNER No. 8023 (OOJ94-004) (featured in this review) and No. 8064 (OOJ94-003). The models are tooled to incorporate both standard and tall coal bunkers (BR No. 68068 is equipped with a tall bunker).

At 122mm in length over the

buffers, it is the perfect small but powerful locomotive for compact and micro-layouts. A complete layout scheme could be planned around a pair of the models, perhaps based on colliery to coal washer workings and trips to main line exchange sidings. Its modelling potential could include quarry, iron-ore mining or steel works themes too. The extensive use of the WD Austerity 0-6-0ST by the Army in the postwar period, including use on the iconic Longmoor Military Railway makes them an attractive model to use in a military railway layout theme. Of course, there is nothing to stop you from adopting a freelance industry for which powerful shunting engines are necessary to move wagons around the property.

Body shell

It is rare to find fault in a contemporary plastic tooling and the DJ Models WD Austerity/J94 is no exception. With around 70



The perfect light railway and industrial locomotive - ready for shunting duties and short-trip workings.



ABOVE: The WD Austerity 0-6-0ST is a fine package with smooth control made possible with refined gearing and a powerful coreless motor. At 122mm in length over its sprung buffers, it makes the perfect small-layout theme locomotive.

LEFT: The gap between the boiler and locomotive frames is an authentic feature of the full-size locomotives as demonstrated by LNER No. 8023.

preserved examples to compare the model with, including two of the LNER/BR J94s, comparisons are easy to make to see that the model has neatly captured the squat character of the full-size locomotives. The mouldings for the separately moulded cab, saddle tank and running plate are clean and free of flash, fitting neatly together to create a very pleasing replica.

Stand-alone details

The fine appearance of the model is achieved by the use of fine stand-alone details added to the main body and cab structure. They include fine wire hand and grab rails, cab fittings including reversing lever as well as a separately moulded smokebox door that allows several versions to be modelled. A tiny set of smokebox darts are fitted, which should be carefully handled when removing the smokebox door moulding (the reason for this feature is explained later!).

Model details:

Hunslet 0-6-0ST Austerity (LNER J94) locomotive.

Manufacturer:

DJ Models.

Scale:

4mm (1:76) scale, OO gauge.

Era:

Built between 1943 and 1964. Industrial locomotives operational in some form until the 1970s, some surviving until the early 1980s. LNER/BR J94 locos withdrawn between 1960 and 1967.

Web:

www.djmodels.co.uk

Suggested retail prices:

£95.50 for general release models.

Limited-edition models will vary in price.

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Fitting a decoder to the model is eased by making the smokebox door moulding into an access hatch! Secured by two gentle magnets, the door moulding is carefully pushed to one side to reveal an internal space large enough for a decoder.

BR No. 68023 with an extended coal bunker was the first of the J94 class to be offered as a general release model.

« Underframe

Stand-alone details also appear on the chassis including brake linkages and hangers. The brake shoes line up neatly with the driving wheels, which themselves have been carefully modelled with counter weights in the correct position and the requisite number of spokes. The shape of the inner wheel also matches the low-cost cast wheel centres used on the full-size locomotives.

From an operational viewpoint, the chassis is fitted with NEM-362 coupling pockets securely attached with a small screw. Should the modeller wish to fit screw or three-link couplings, the NEM coupling boxes are simple to remove. To assist with lubrication of the gears, there are access holes in the underframe allowing a small spot of plastic-compatible

oil to be applied to the final drive gears. A short period of operation will distribute the lubricant to the remaining gears.

Motor and electronics

The smooth operation of the model is achieved with a quality gear train linked to a coreless motor capable of very slow speed control. A NEM-65I six-pin DCC interface socket is included in the wiring of the model and this may be found in the smokebox. The smokebox door is secured with two magnets allowing it to gently slide to one side to reveal a space in the model large enough to fit a decoder and probably a stay-alive unit too. There is no need to remove the body from the chassis to fit a decoder.

During running-in turns using conventional analogue control, the model

Model features in a nutshell:

- DCC-ready with a six-pin DCC interface socket.
- Fine coreless motor (do not use with high-frequency track cleaners).
- Locomotive-specific details including two types of coal bunker.
- Detailed cab back head with carefully painted controls and pipework.
- Standalone parts include individual wire hand and grab rails.
- Detailed cab interior including wooden floor.
- Correct colours used on the interior surfaces of the cab.
- Flush-fitting glazing.
- Fine wheels with individual spokes, correctly profiled for the locomotive.
- NEM coupling pockets.
- LNER/BR J94 liveries available in model shops on general release.
- Private-owner liveries available through several outlets as special-edition models (typically limited to 200 pieces).
- Overall length: 122mm over sprung buffers.
- Weight including tender: 150g.



A hint of the cab interior with detailed and painted back head. The floor is of wooden planking and a separate reversing lever is fitted.

ran smoothly and with a modern but basic analogue controller – it was immediately responsive at all speeds. The instructions supplied with the model warn against the use of high-frequency track cleaning devices with coreless motors. Furthermore, specialised analogue controllers with feedback features will also be detrimental to the motor.

DCC presents nothing in the way of difficulty with coreless motors. Decoders, including the small six-pin decoders suitable for the model are supplied with a back EMF feature, which may be turned on as a default setting. Because coreless motors draw so little current, even under load, it is advantageous to switch the back EMF feature off.

Overall

Altogether, the DJ Models' WD Austerity 0-6-OST (J94) locomotive is a neatly finished and well-presented model featuring a fine level of control making it ideal for shunting and low-speed operations. The livery is evenly applied with no signs of flaws and with neatly printed details that are both opaque and level. Despite the austere nature of the full-size locomotives, the models have a unique attractiveness and will no doubt inspire industrial railway modelling or scenes on larger layouts where exchange sidings can be incorporated. Based on this model, fans of small industrial locomotives will be keenly awaiting the forthcoming Hudswell Clarke 0-6-OST currently in development. ■

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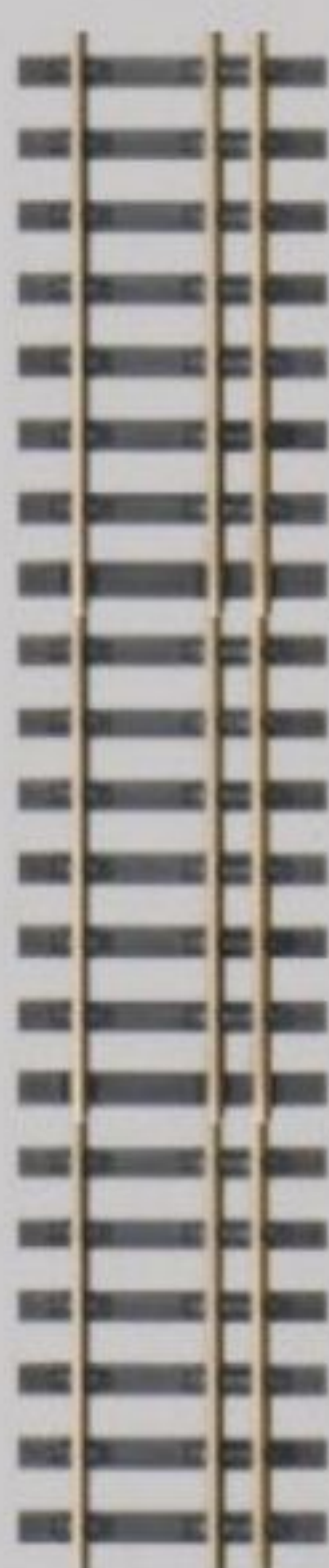
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H0-ELITE-Track

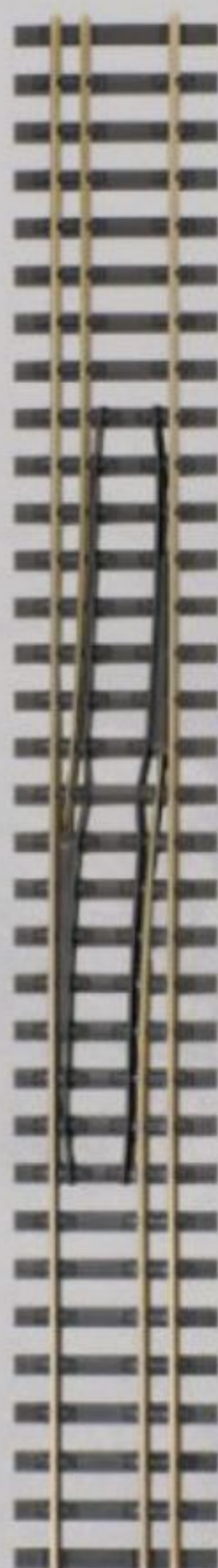
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Narrow Gauge track H0m



85127
Three-rail flexi-track
H0-H0m



85187
Dual Gauge
track straight
exchange
H0-H0m L to R

OO/HO Standard Gauge track



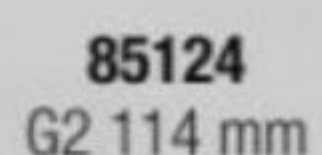
85390
Double slip 1/15°



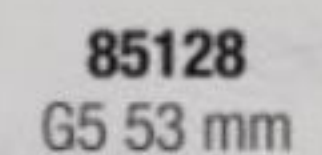
85130
Straight track G3
64 mm, Track
bedding dark



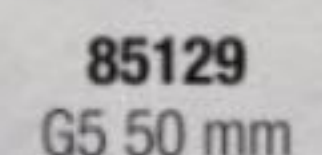
85118
G1 228 mm



85124
G2 114 mm



85128
G5 53 mm



85129
G5 50 mm



85131
Straight track
G4
57 mm, Track
bedding light

OO/HO Flexi Track



85125
Wooden-sleeper
flexi-track



85136
Steel-sleeper
flexi-track

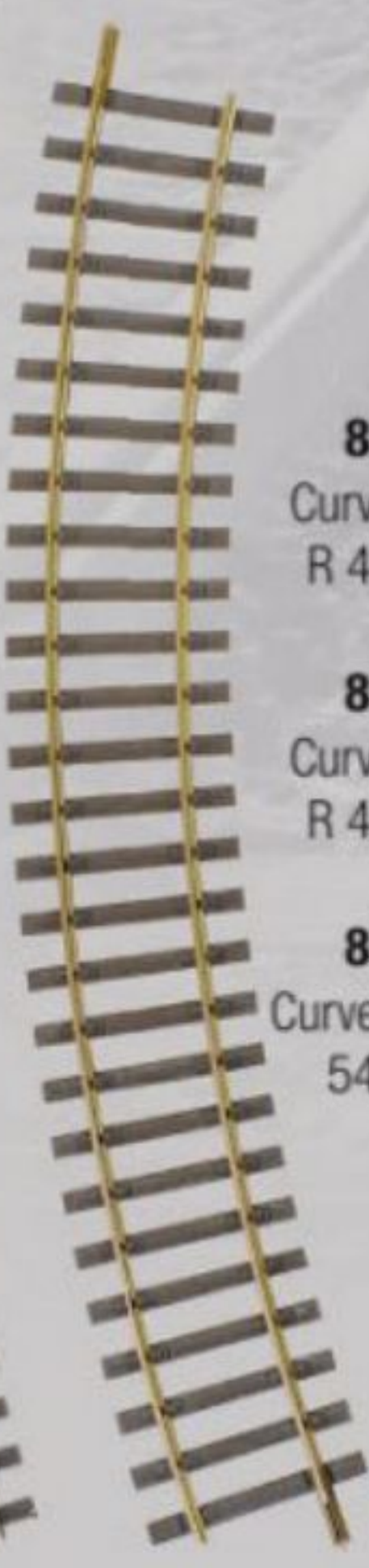


85134
Concrete-sleeper
flexi-track

Narrow Gauge track H0e/009



85333
Curved point right



85141
Curved track
R 425/30°

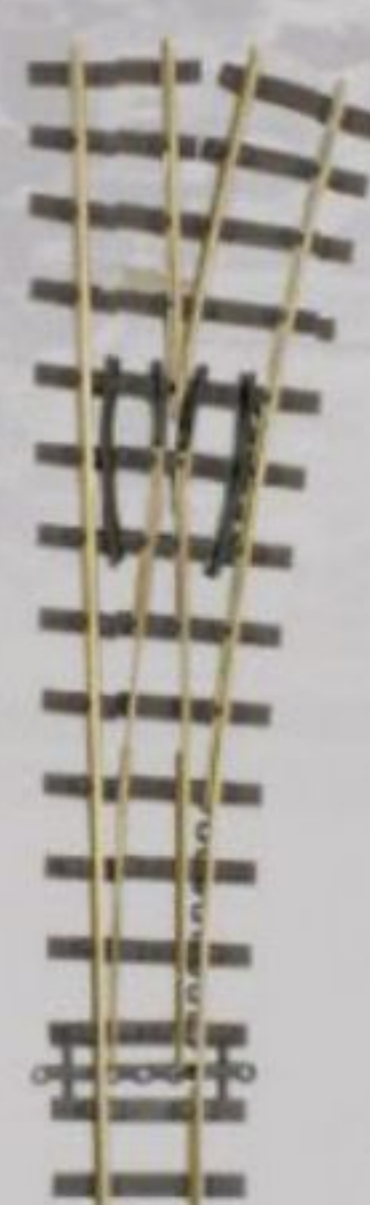
85143
Curved track
R 484/30°

85145
Curved track R
543/30°

85140
Curved track R
366/30°



85181
Dual Gauge point
diverging H0-H0e
right



85637
Straight point H0e



85354
Straight point 3 left

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Track work

Track work is the foundation of all railways, be they prototype or model, write **Bernard Gudgin** and **Michael Watts**.

Photos and diagrams by authors, unless otherwise credited.



Entrance to Newcastle station about 1970. Just a little complex, and perhaps a modelling challenge, even for the most aspirational beginner to railway modelling. Note also that the track is not at ground level! BEN BROOKSBANK/CREATIVE COMMONS

OUR EMPHASIS IN THESE ARTICLES IS for beginners, returnees to railway modelling and those who want to move on from a train set to a model railway. In particular, our focus is on British outline models. We are well aware that track work is a very big topic and we assume you will buy ready-made track; building your own is too specialist to be covered here. This first article looks at different types of track and suggests what you may wish to use. It is a bit more theoretical than previous articles but later we will look at how to lay the track.

Track work

Model railway track fulfils two technical functions – mechanical and electrical. The mechanical function determines the direction of the train, be it straight ahead, around a curve, or a diversion, commonly called points. The electrical function provides electrical energy to the locomotive motor (and possibly to smoke units, lighting in coaches, etc) via the rails, wheels, sliding contacts, and radio-frequency suppression circuits. The electrical arrangements are a worry and challenge for most modellers. »

Bernard Gudgin and Michael Watts are experienced teachers and trainers. They have several decades of modelling and exhibition experience across the gauges from T (scale 1:480) to 16mm live-steam (scale 1:19), as well as narrow gauge. They are often seen at exhibitions where they provide free advice to newcomers and returnees under the brand name of Oxford TRAINING.

HELP!
I NEED SOMEBODY
HELP!
NOT JUST ANYBODY
HELP!
YOU KNOW I NEED SOMEONE
HELP!

JOHN LENNON

HELP! We all need help. It's true for all of us, however knowledgeable, skilled, and experienced we think we are. We are all learning, all of the time. Just admit it ... Here is an opportunity for us to learn together, and from each other.

Guide to scales and gauges

Scale - British	1:148	1:76	1:43.5
Name	N	OO	O
Scale - International	1:160	1:87 HO	1:45
Track-gauge	9.0mm	16.5mm	32.0mm

Right: A range of different track work scales – all examples here are of flexible track.

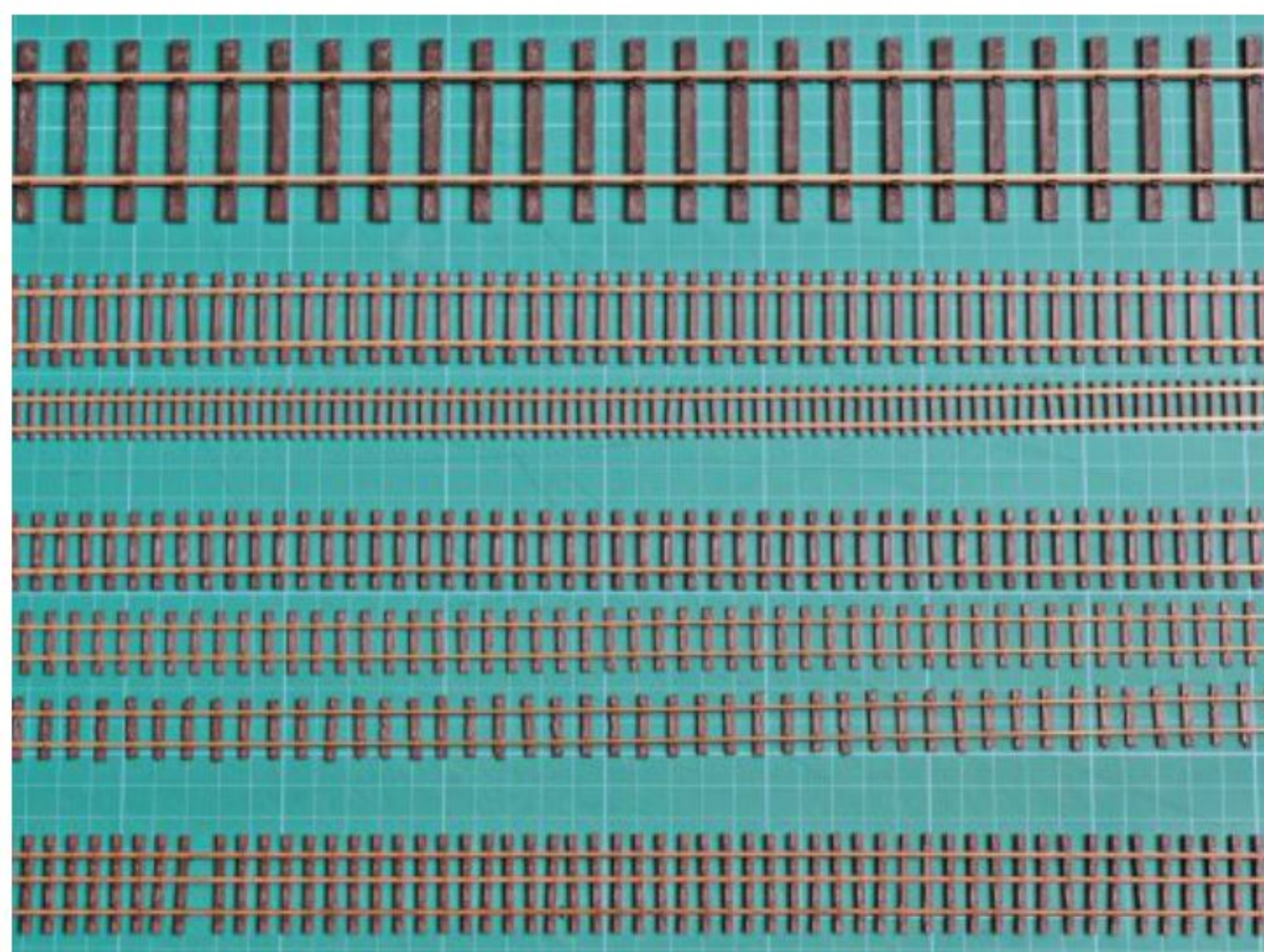
Top to bottom:

Standard gauge 1:43.5; 1:76; 1:148.

Narrow gauge 1:87 (1000mm track-gauge); 1:87 (750mm track-gauge); 1:76 (2ft 3in track-gauge).

Dual-gauge 1:87 (Standard-gauge interlaced with 750mm track-gauge).

Background grid size here, and in other photographs is: smaller squares 10mm; larger squares 50mm (2in).



« Scale

This is not obviously directly relevant here, and may seem to be a diversion, but we shall see that it does, in fact, permeate the whole of modelling. It may all seem a bit boring, but it really will help you to understand and make sure progress.

Scale is a straightforward numerical method of defining the size of all the parts of your model railway. It extends to every aspect of it. Scale is expressed as a numerical ratio – for example, 1:76. This means that you divide a dimension of the prototype by 76 to get the size for your model. Basic modern calculators allow easy, fast and accurate sums to determine the sizes of everything on your model. 1:76 is the British numerical scale that is commonly, but ambiguously, referred to as OO, OO gauge, or 4 millimetres to the foot. The term *gauge* is often not very helpful as we will see.

Here we will use the traditional British numerical scales. We will avoid use of names such as O, OO, N and 2mm to the foot, etc since these often lead to confusion and inaccurate conclusions. However, the above

table (top left) does use these common British names for the most common scales for British model railways, but it applies only to standard track-gauge railways.

If you do the sums for a scale of 1:76, the width of standard gauge track becomes 18.88mm. The regular proprietary model track-gauge is 16.5mm. For the International 1:87 scale HO standard, the gauge is 16.495mm.

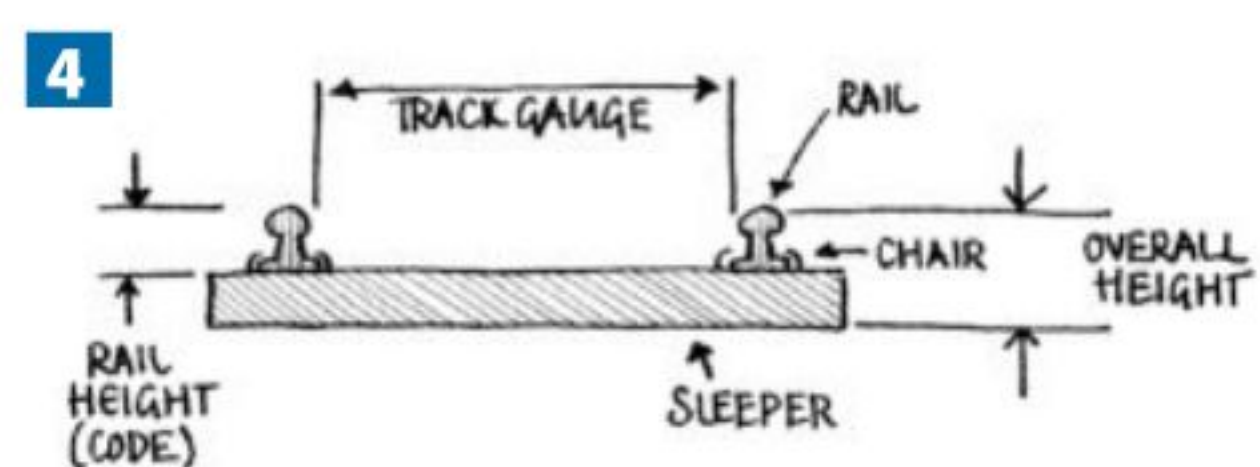
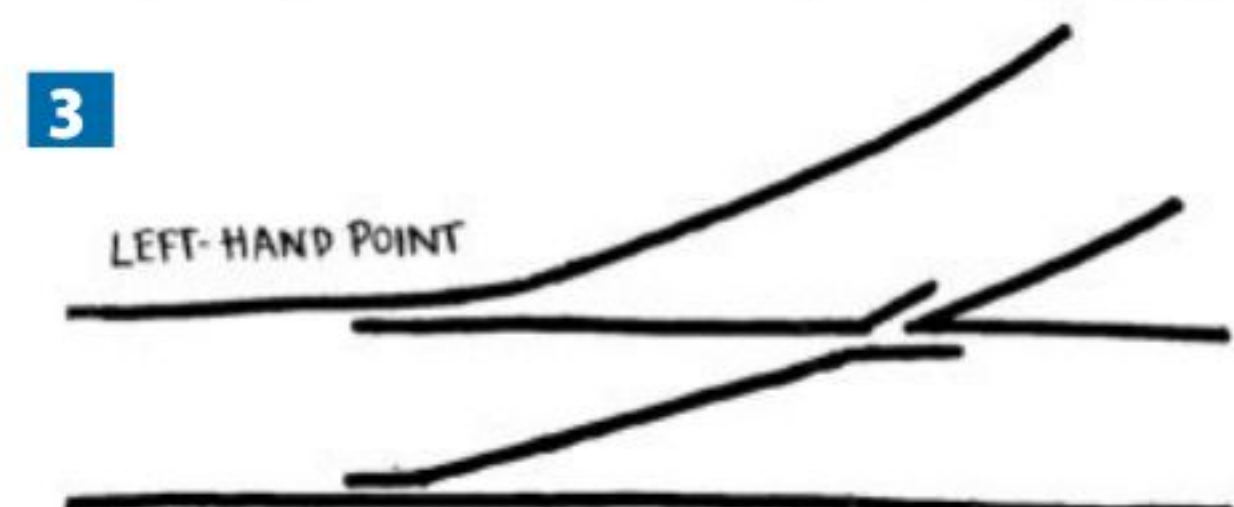
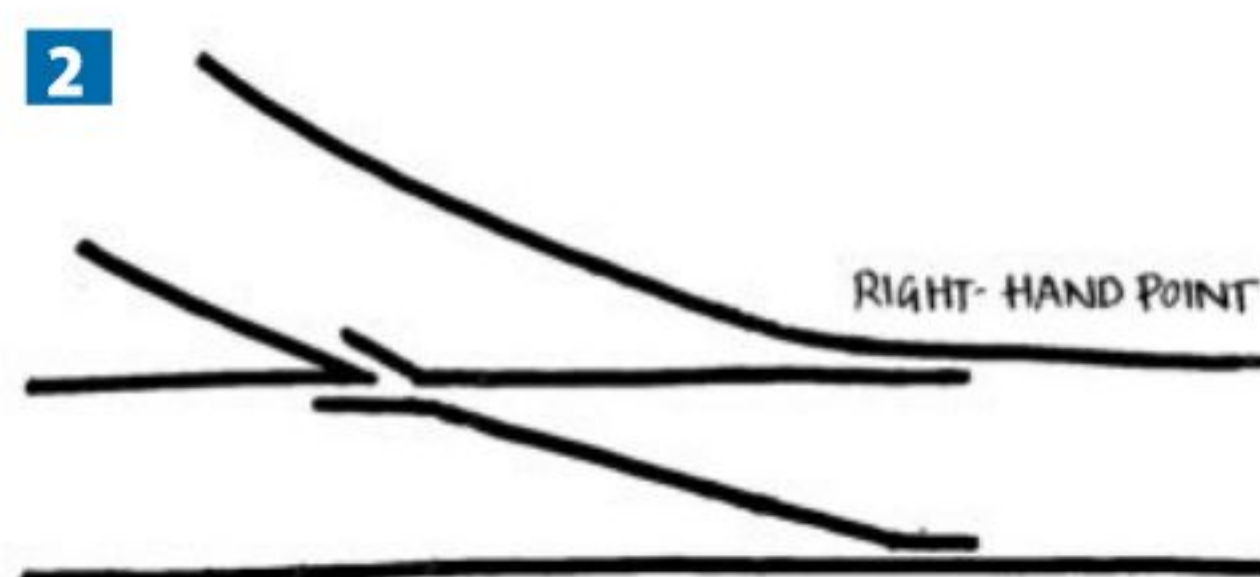
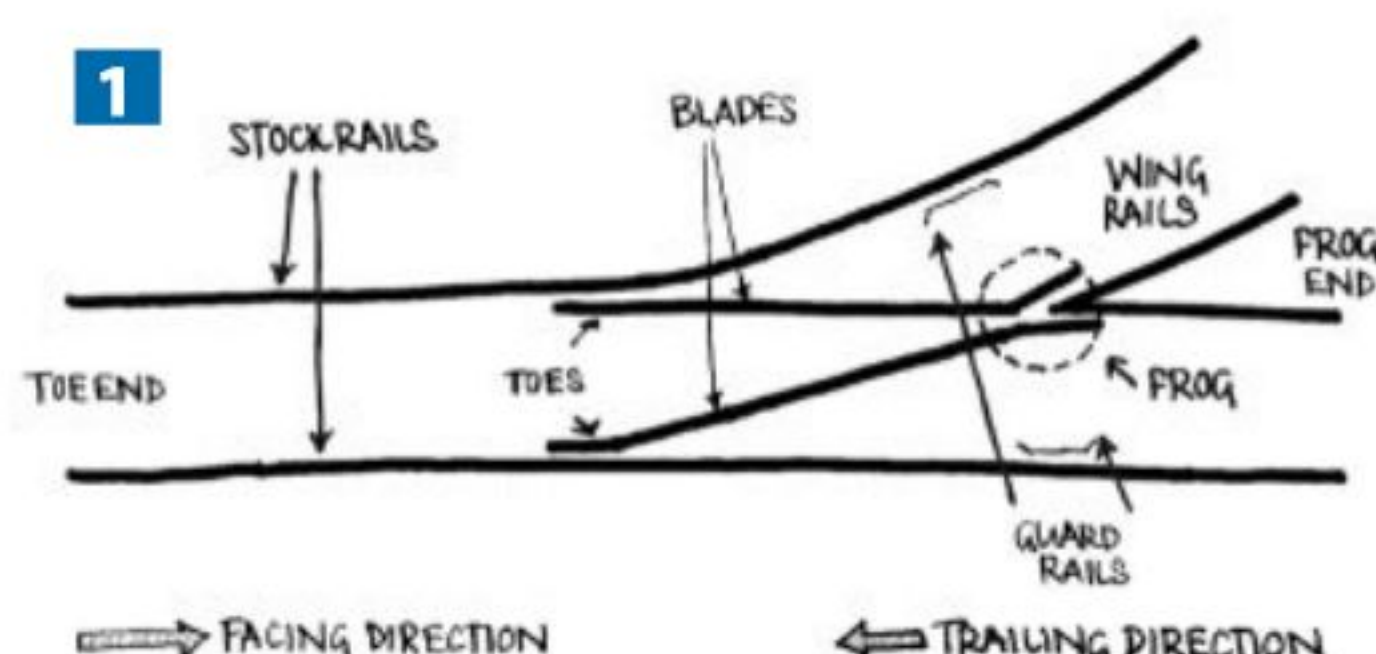
Rails

Rails are the metal bits that train wheels run on. Rail profile and rail height become increasingly important as you progress towards the finer scales. However, the quality of the rail metal is very important for all of us, at all stages. This is for good electrical operation, and for reliable rail-to-wheel contact. For more extensive model railways, the electrical resistance within the rails can be significant, and become critical for sufficient current to flow to the locomotive motor.

Rail metal. Current good practice is to use a copper-nickel (approximately 60%-40%) alloy commonly called nickel-silver

or German silver, although it contains no silver at all. It was traditionally used in reproduction silver jewellery – hence the name. It has good electrical conductivity but, more important, it is reasonably resistant to oxygen/water corrosion ‘rusting’, easily cleaned and readily soft-soldered. In fact, even a small amount of corrosion allows some electrical conduction to locomotive wheels.

Rail height. This is quoted as the *Code* followed by a number. This number is the actual model rail height in thousandths of an inch. For example, Code 100 rail height is $\frac{100}{1000}$ in, or $\frac{1}{10}$ in. This is the most common rail height used for Scale 1:76 track production – for example by Hornby, and for regular Peco track. Fairly common, and also available for this same scale are, Code 83; Code 75; Code 70, which are increasingly finer versions, and have correspondingly smaller rail height. It is essential that you check that your intended locomotive’s wheels are compatible with the rail code. Be aware especially if you intend to use trains from your father’s or grandfather’s era, when the



1: Modellers’ terms for the various components of points. The term Frog is used by modellers for that area of the point where the two rails come together to form a V.

2-3: Left-hand point and Right-hand point are the modellers’ terms used where the diversion route is to the left or right when travelling in the Facing direction.

4: Track-gauge, rail height, and overall height of model track.

PECO RAIL HEIGHTS			
SCALE 1:76		SCALE 1:148	
100" / 1000	75" / 1000	80" / 1000	55" / 1000
CODE 100	CODE 75	CODE 80	CODE 55
REGULAR SCALE	FINE SCALE	REGULAR SCALE	FINE SCALE

Peco Codes and rail heights for their 1:76 and 1:148 scale standard-gauge track. Regular trackwork has Codes of 100 and of 80 respectively. Fine scale trackwork has Codes of 75 and of 55 respectively. However, Peco has a cunning design for its Code 55 finer trackwork – the actual rail height is about Code 85, but only Code 55 of it is visible – the remainder is within the sleeper mounding, and adds to the overall robustness of this finer trackwork.



wheel flanges are likely to be larger (deeper and thicker) than for modern stock. They will wedge in the guard rails and frogs, and bump up and down on the rail-chairs or even the sleepers!

Rail mounting and securing. Most rail used today is *Flat Bottom* and is mounted in *Chairs* and secured with spring metal *Rail Fasteners*. Flat Bottom rail is sometimes fixed directly on to the sleepers and secured with metal spikes or bolts into the sleepers; sometimes there may be a resilient pad between rail and sleeper.

Rail Chairs. Usually manufactured of cast iron or steel, they provide the means by which rail is secured to *Sleepers*.

Sleepers. Prototype sleeper material was historically of stone or, more commonly, timber. Modern materials are cast concrete, concrete blocks with steel ties, or pressed steel.

Fishplates. These provide secure joining between adjacent sections of rail. They comprise a pair of metal plates; one either side, across the rail join, and sited in the *Web* recess created between the rail's head and foot. Slots in the *Fishplates* allow for thermal expansion and contraction to minimise the chance of the rail buckling. Bolts (typically four) pass through fishplate-rail-fishplate to secure the rails together. Much mainline rail now has welded joins, although this requires accommodation for thermal expansion and contraction via special sliding joints at occasional intervals.

Model track work

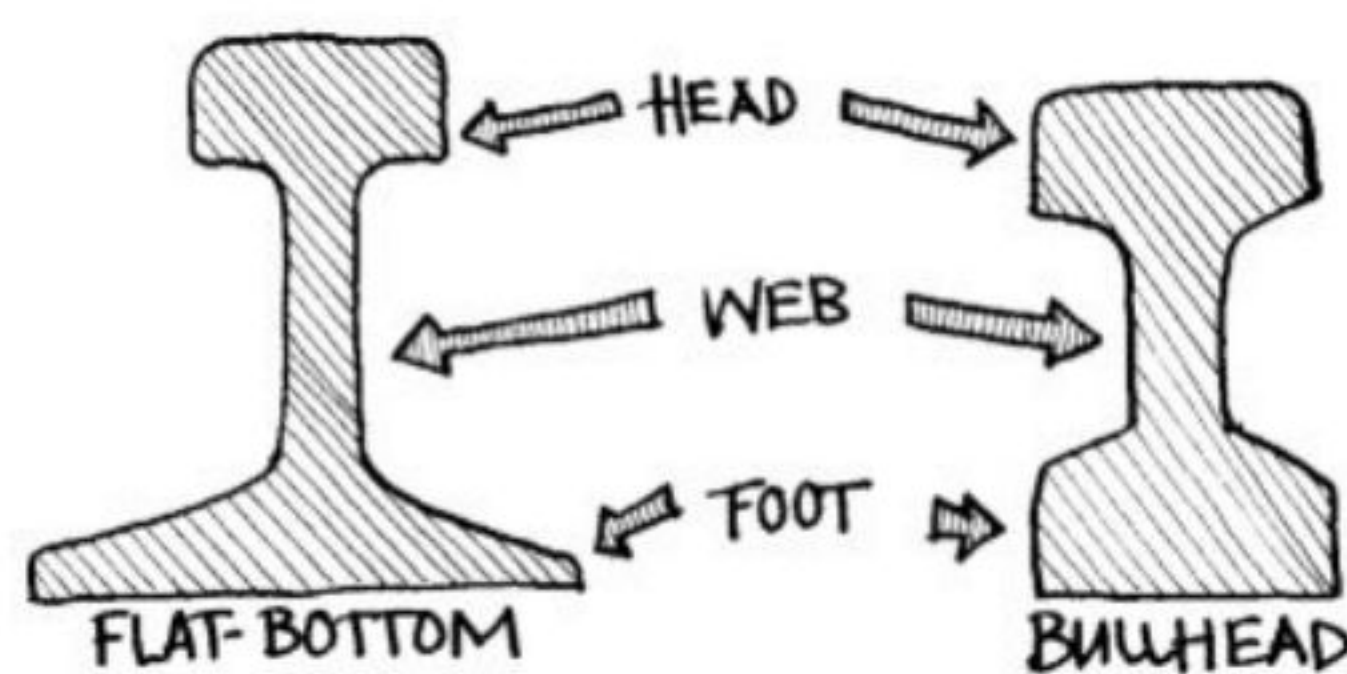
In model form, and for track work in most scales, the rails are of nickel-silver with injection-moulded plastic to represent the sleepers and chairs. Fishplates in model form (rail joiners) are shallow U-shaped nickel-silver pressings slid along the rail's foot to provide a reliable and easily made join. Plastic rail joiners provide insulated rail joins where necessary. Note that rail joiners can differ between manufacturers and for each type and Code of rail.

Gauges

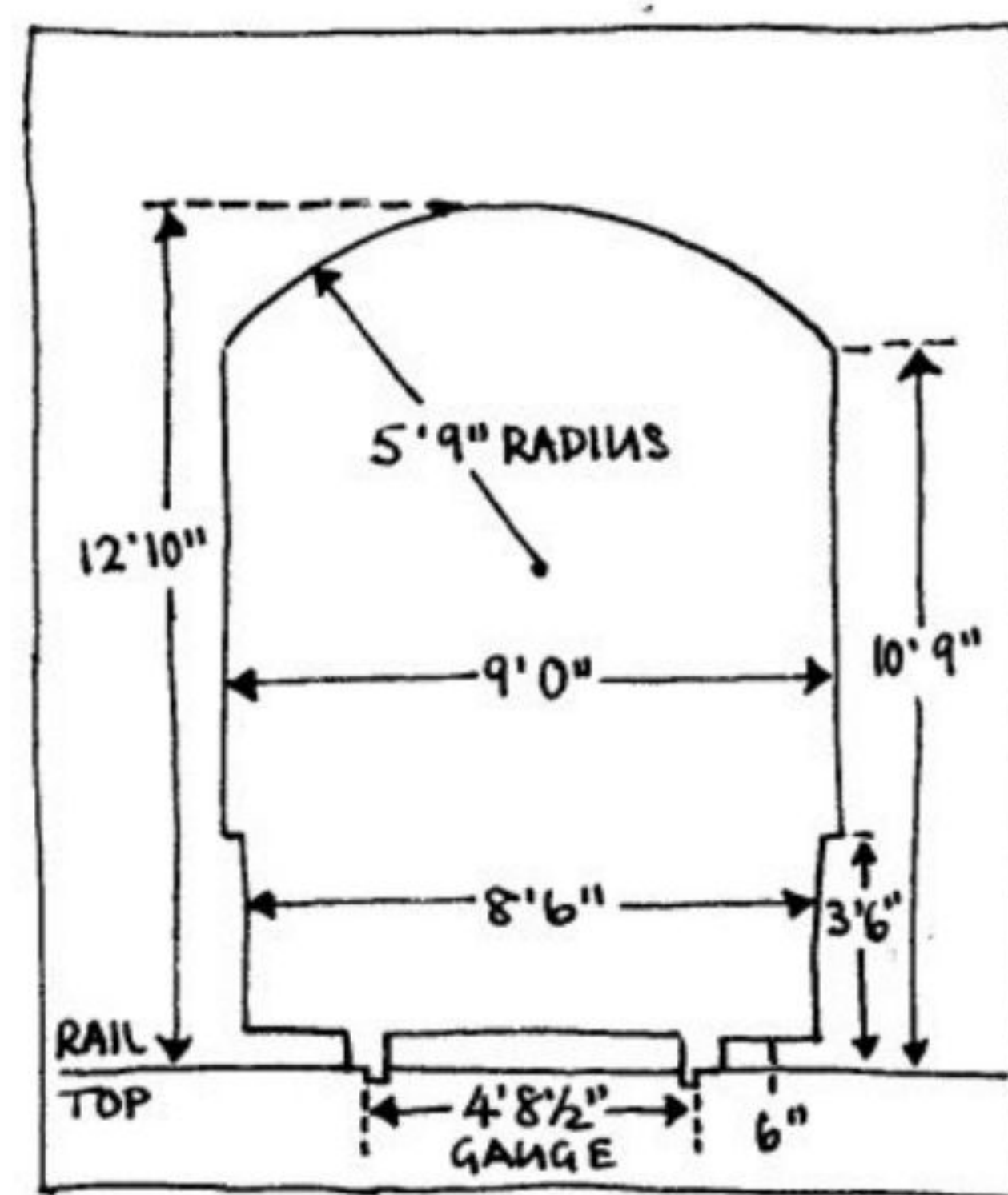
Track-gauge. This is the distance between the inside edges of the rails, be they prototype or model. For British track of standard gauge the track-gauge is 4ft 8½in, 56.5in, or 1435.1mm. To convert from inches to millimetres you multiply inches by 25.4, which gives an exact conversion. You may now start to realise that, for modelling work, it is both straightforward and more convenient to work exclusively in millimetres.

You need to define both track-gauge and scale to provide an unambiguous description of your model.

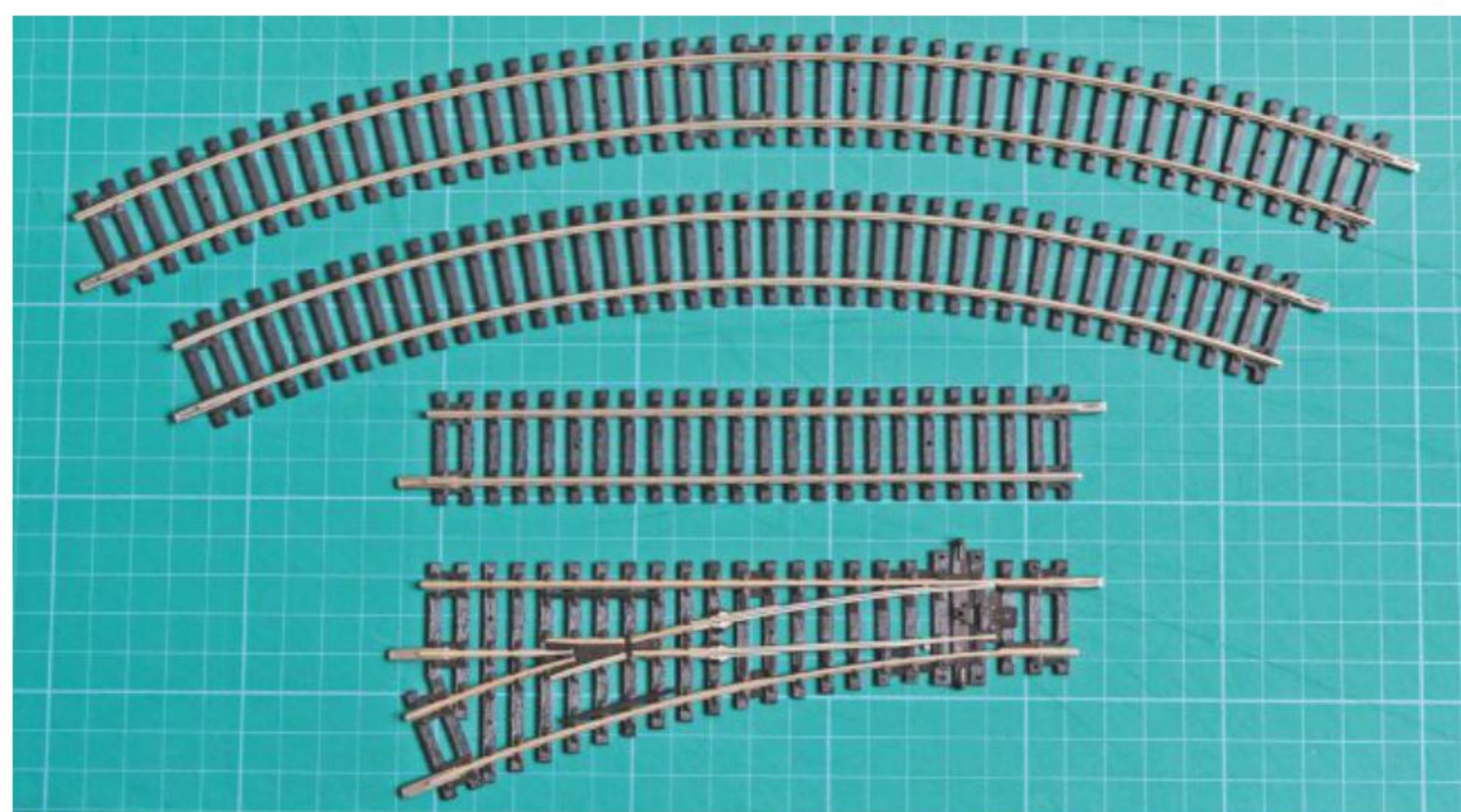
Narrow gauge. This, especially, should be defined both by a *track-gauge* and by *scale* to provide a complete description. For example,



Above: Flat Bottom and Bullhead rail profiles, and the terms used by both railway engineers and modellers.



Right: Typical British Loading gauge dimensions. This varies from region to region and from country to country.



Some examples of Scale 1:76 rigid track work, showing different lengths, radii, and a point. Note that the rail joiners are already permanently fitted. The top three are Hornby and the point is Peco. Hornby also manufactures matching flexible track with Code 100 rail.

a common narrow gauge modelled in Britain is to a scale of 1:76, but with a (narrow-gauge) track-gauge of 9mm. This implies rolling stock dimensions similar to that for 1:76, but for modelling a prototype track-gauge of about 2ft 3in.

Loading-gauge. This is the cross-sectional shape that is the outer limit for all rolling stock. Simply, it defines the maximum overall height and width especially for bridges, tunnels and for platforms and line-side equipment.

Proprietary model track work

By the term track work we mean inclusively straight track, curved track, points, and all the accessories such as rail joiners.

Track work comprises three distinct forms: straight, curved and points. The straight and curved are probably quite familiar but the points are varied and seen as complex, even intimidating, both mechanically and electrically. This track work has various generic names that vary by country of origin: *point*, *turn-out*, *switch*. We will use the term

point. The specialist names are, for example: left-hand point; right-hand point; triple point; crossing; single-slip; double-slip; catch point; etc.

The terms used by modellers do not necessarily align with those used by railway engineers. For example, a *crossing* is the prototype component that modellers usually call a *frog*!

There are two forms of model railway track work – rigid and flexible. Each manufacturer has its own patented trade or brand name for these forms (Peco's branding is *Setrack* and *Streamline* respectively). The straight and the curved rigid sections are usually available in a range of different lengths, and the curved rigid sections are available in a range of different radii. Matching points are designed to work well with these rigid systems. Note that rigid track work has the rail joiners permanently fitted to alternate rails, for quick and easy assembly straight from the train set box.

In general terms, rigid track work is usually more often associated with train sets than »

Starting out

« model railways, although it is most useful to the modeller in certain circumstances – e.g. in fiddle yards, behind the scenes, track in tunnels, etc. However, for your first small model railway using rigid track work can be convenient and, maybe, allow you to utilise items from an old train set. When choosing your track work do be aware that the longer wheel-base steam locomotives (e.g. 4-6-2 and 2-10-0) may not travel round the smaller radius curves without derailling. Always check before actually buying.

Flexible track allows you to create just the right radius of curvature for your particular circumstances, let alone the gradually changing radius (*Transition curves*) that mimics the prototype. Transition curves allow your trains to traverse the rails more smoothly, surely and with lower risk of derailment.

Track work availability and types

There is a wide range of track made by many manufacturers, although the most readily available brands in the UK are probably Hornby and Peco. Both of these regular brands are available with Code 100 rail. Hornby specialises in standard gauge track of 16.5mm track-gauge with Code 100 rail. Peco, however, manufactures a very wide range of scales for both standard-gauge and for narrow-gauge. In addition, it does this for most of the wide range of scales from 1:220 to 1:16. But do not automatically dismiss the many overseas manufacturers of track work, e.g. Fleischmann, Kato and Tillig. Tillig points in particular are unusual

Right, top – Four examples of Scale 1:76 standard-gauge Peco Code 100 Streamline points, designed primarily for use with their Code 100 flexible track.

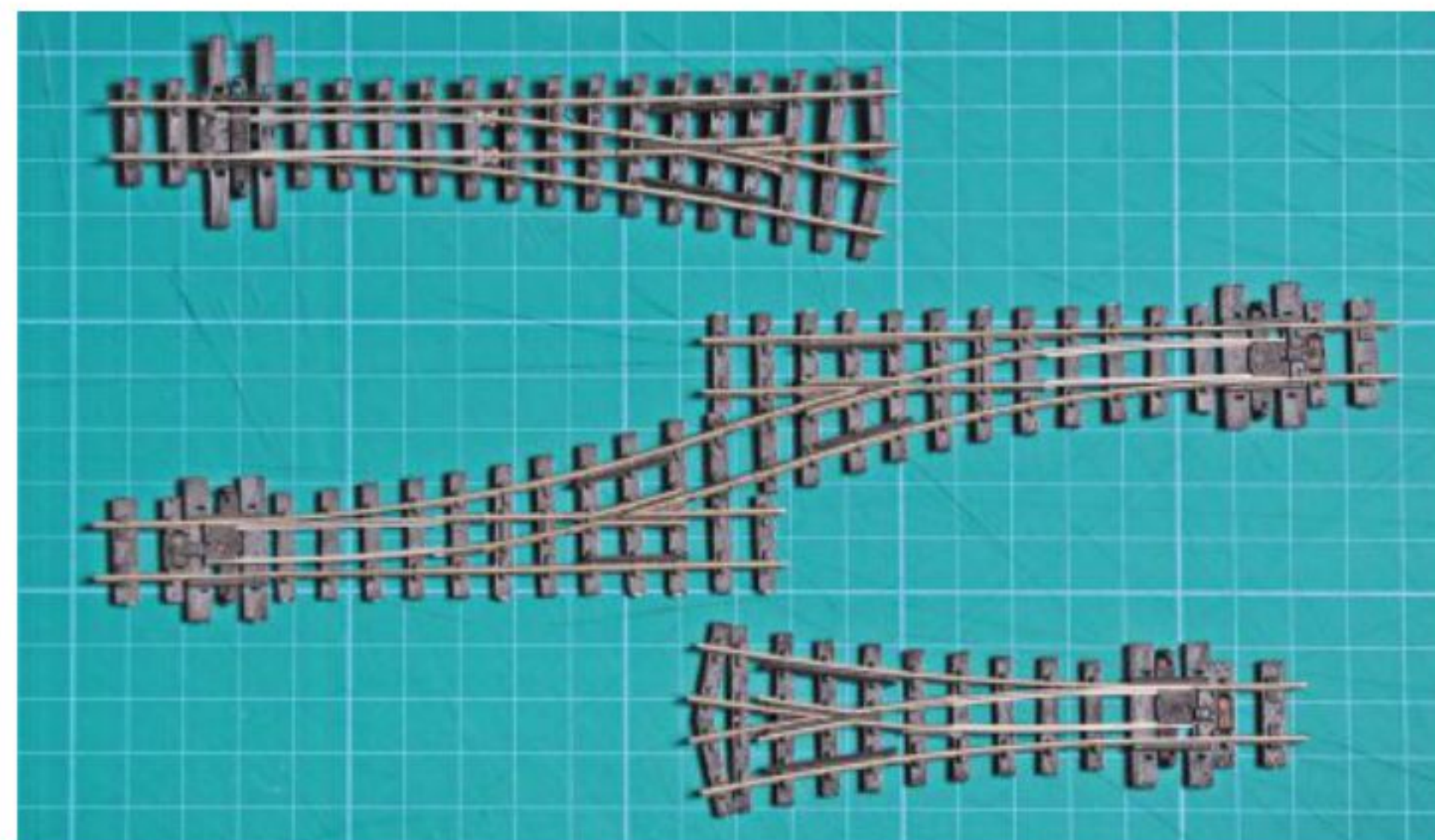
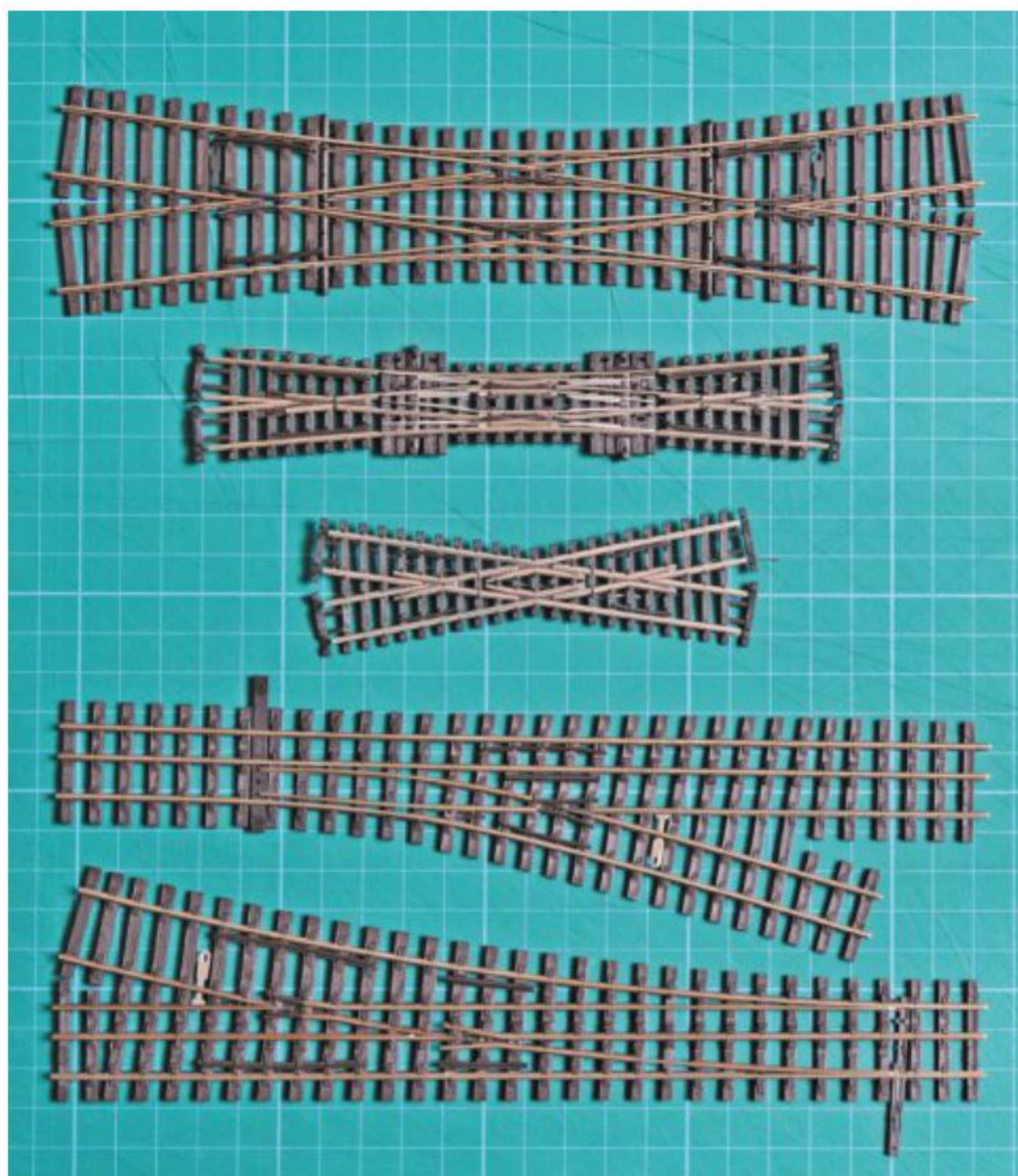
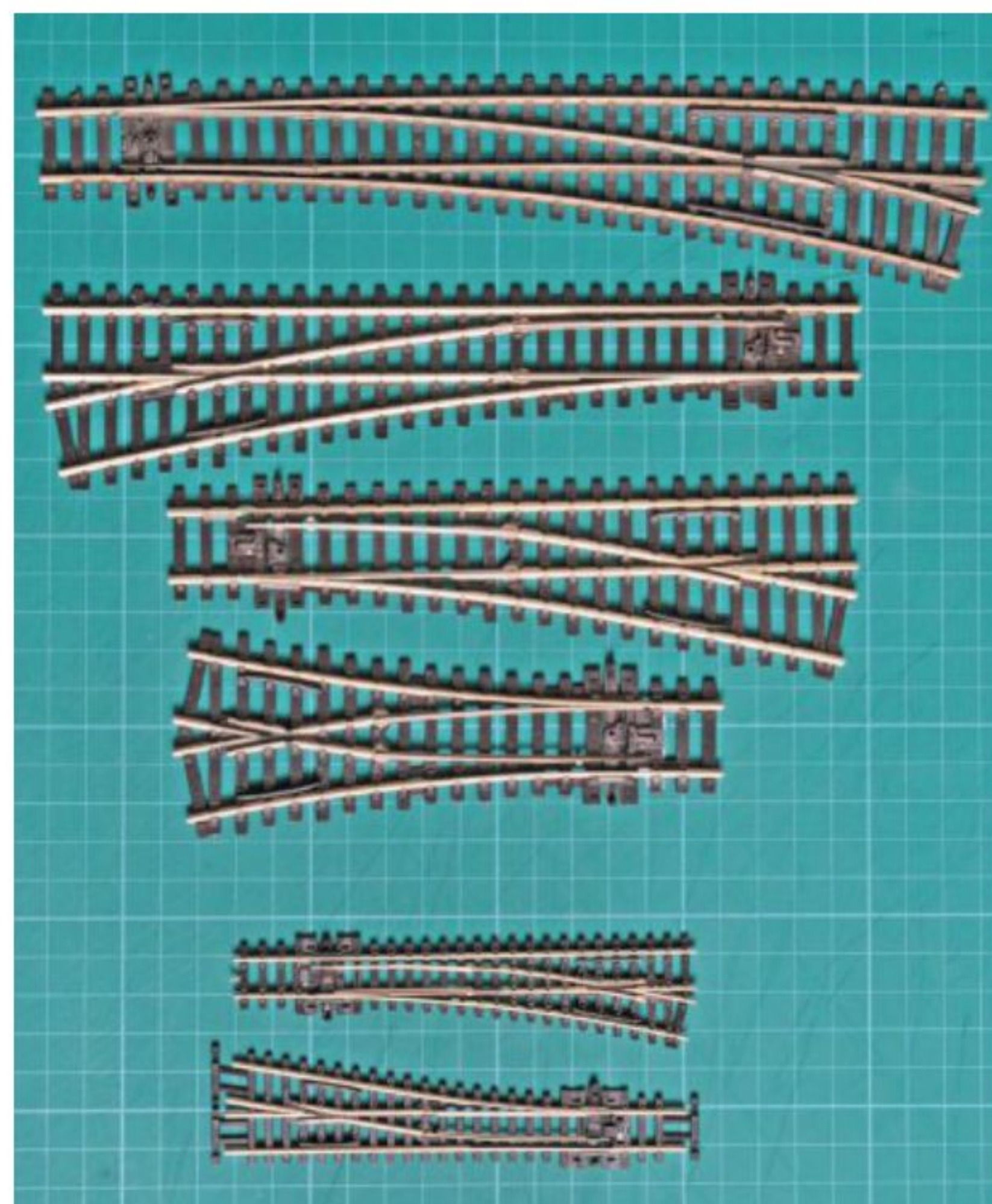
Right, bottom – Examples of Scale 1:148 standard gauge Peco Code 80 (above) and Code 55 (below) Streamline points, designed primarily for use with Code 80 and Code 55 flexible track respectively. The Code 100 and Code 80 Peco Streamline points are available as live-frog (Electrofrog) and as dead-frog (Insulfrog) types. The Code 100 and Code 80 points can, and often are, used in combination with Peco rigid track work (Setrack) items. Streamline points and flexible track work always need to have the correct pattern of their rail joiners added.

in that they can have their curvature altered a little to match your specific needs. It also makes dual-gauge (interlaced) track and points – for example, standard-gauge/metre-gauge, that is a relatively common prototype in Switzerland!

New, branded, unbranded, or second-hand track work?

Please be cautious in your purchases of track work. In combination with your baseboard,

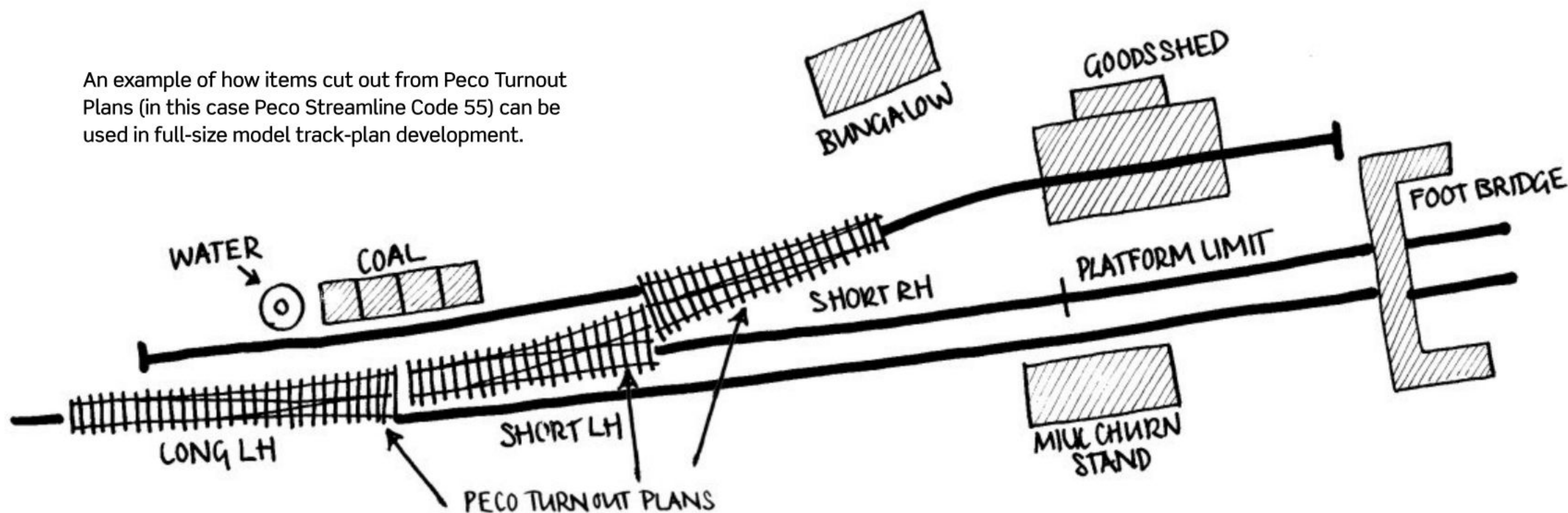
track work is the foundation for your model railway. We advise that you purchase only brand-new track work and components, and that you always check that they are of a recognised, quality brand. You will sometimes find unbranded track at exhibitions at very attractive prices. The quality of the rail and the plastic moulding can be doubtful, so beware. Peco, for example, uses a sunlight-resistant injection plastic because most plastics will break down with sunlight



Above: Top to bottom:
Scale 1:87 (750mm track-gauge). A right-hand point. Main-line sleeper type.
Scale 1:76 (2ft 3ins track-gauge) A pair of left-hand points joined to form a crossing. Irregular sleeper type.
Scale 1:76 (2ft 3ins track-gauge), A Y point. Irregular sleeper type.
Left: Some more complex track work in Scales of 1:87 and 1:148.
Tillig Standard-gauge 1:87 Code 85 double-slip.
Peco Standard-gauge 1:148 Code 55 double-slip.
Peco Standard-gauge 1:148 Code 55 crossing.
Two Tillig interlaced Standard/Narrow-gauge Code 85 points
Note that both Peco points have spare sleepers on sprues at each track-end. These are for use under the rail joiners at the track joins.
Some examples of Peco narrow-gauge track work points.



An example of how items cut out from Peco Turnout Plans (in this case Peco Streamline Code 55) can be used in full-size model track-plan development.



exposure. You will also find second-hand and used points at exhibitions at attractive prices. Beware! Very slight mechanical distortions will cause untold problems later – it is not worth the hassle. We must also advise you not to buy steel rail since its soldering properties and corrosion resistance are both very poor.

This is yet another reason to buy only new, recently manufactured track work. Many manufacturers routinely upgrade the sophistication of their points. Over the years, this can result in significant improvements both in mechanical/electrical operation and in appearance.

Points

Points are available in a range of different lengths and radius and include (double) curved points. In addition, manufacturers

sometimes provide more unusual points: slip; three-way; catch; cross; etc.

Frogs – dead or alive?

There is much argument, both historical and current, about this choice in points. In most train sets, if not all, the points are of the dead-frog type. This allows electrical connections to the track to be the most straightforward and, in the main, it works satisfactorily. However, we are planning a model railway! We have no doubt that you should always purchase the live-frog type.

The benefits are that they look more realistic (although some of the latest dead-frog types do look reasonably realistic) and that they offer better continuity for the locomotive to collect electricity from the rails. Small locomotives, such as 0-4-0s, can easily stall on dead-frog points, so destroying the illusion of the model railway. The perceived downside of using live-frog types is almost trivial. (You do not need to wire live-frogs to a polarity-changing switch – it happens automatically if you keep your track work clean.) The most recent Peco live-frog points are the most sophisticated, and offer some options on how they are used – we will write more on this soon. The brand name for Peco's live-frog points is *Electrofrog*, and for its dead-frog points it is *Insulfrog*.

Planning

You will by now know that *Planning* is our favourite term. One particularly helpful aid for planning your intended model railway is the availability of point templates. These are full-size, printed images on paper of each type of model point. You cut them out, use them to optimise your track-plan, then paste them on to your full-size model track-plan on which you can build your model track work. In particular, Peco provides *Turnout Plans* as a free download from its website for its whole range of points. Do ensure that your computer printer is set to 100%, or they may print at slightly smaller

size that inevitably leads to chaos. Peco's turnout plans have a scale printed alongside for checking. Alternatively, an SAE with a large-letter stamp will get you a set of the Peco plans for each of the majority of the range – but do say precisely what scale, Code and track type you want. Tillig also provides point templates but they are not free.

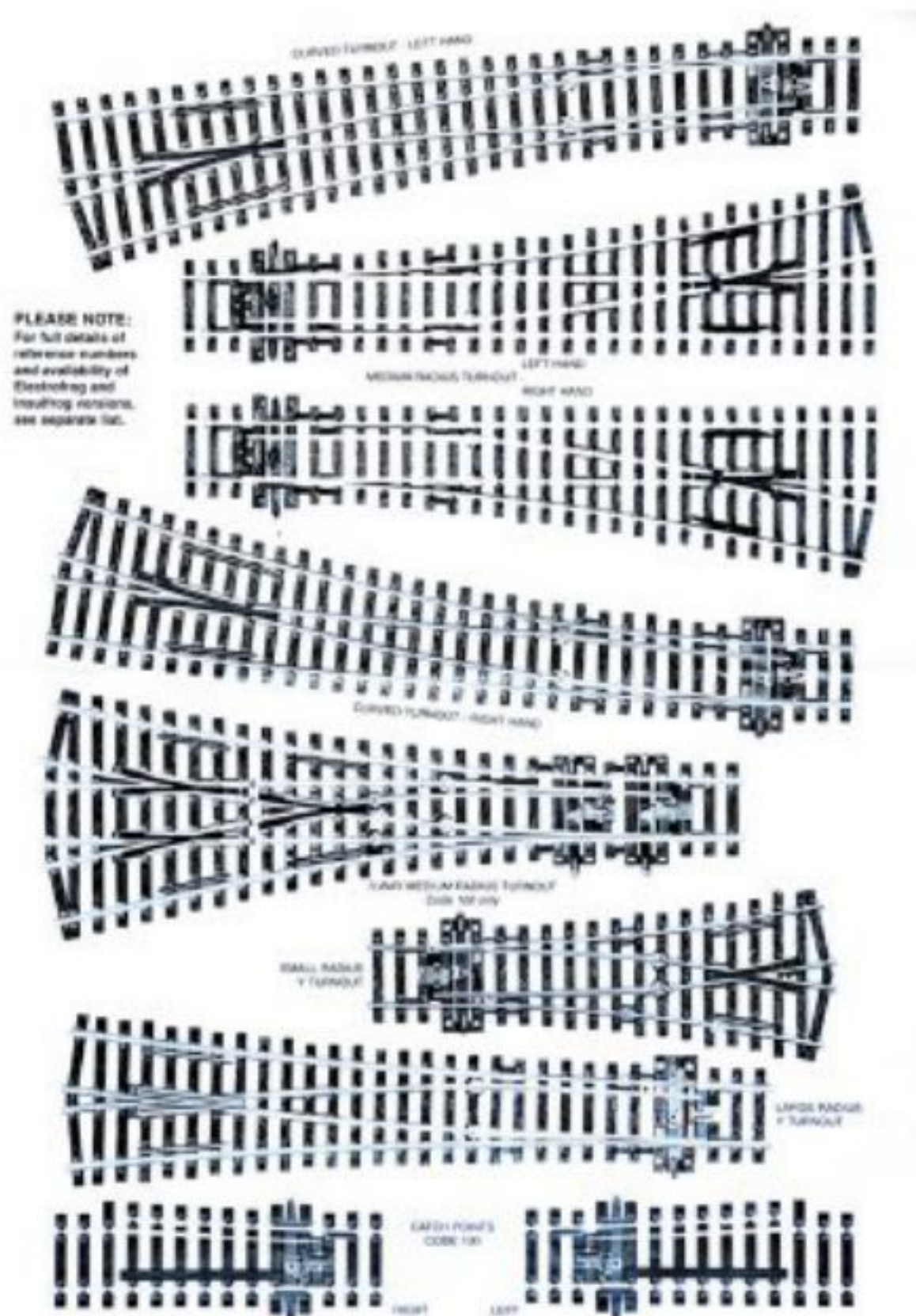
There are two issues that you especially need to be aware of if you intend to mix different makes or Codes of track. If the Codes are different with Peco track, it provides special rail joiners (*dual joiners*) to allow the rail heads to be at the same level for connecting Code 100 to Code 75 for example. Also, if track work is of two different makes, then the overall height (bottom of sleeper to top of rail) of the track is probably different, even if the Codes are the same. In this case, you will need to pack the underside of one track with thin card when it is being laid. Yet more details to check out while planning your model railway. ■

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Pritchard Patent Product Company Limited (Peco)
Underleys, Beer, Seaton, EX12 3NA.
01297 21542 www.peco-uk.com
Peco Turnout Plans at www.peco-uk.com/page.asp?id=pointplans

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Turnout Plans for Peco 1:76 Code 100 Streamline track work. These are available free of charge for each individual point, for all Peco track scales as a download from Peco's website. Or alternatively, for most Peco track scales, on an A3 sheet, by sending an SAE to Peco together with a large-letter stamp.

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N GAUGE

N GAUGE
Code 80 Rail



PECO N Gauge Streamline Code 80

SL-300	Flexible Track* Wooden Sleeper Nickle Silver	£2.68
SL-300(25)	Flexible Track* Wooden Sleeper Nickle Silver Pack 25	£63.00
SL-302	Flexible Track* Concrete Sleeper Nickle Silver	£2.68
SL-302(25)	Flexible Track* Wooden Sleeper Nickle Silver Pack 25	£63.00
SL-384	Catch Point Right Hand	£5.63
SL-385	Catch Point Left Hand	£5.63

PECO N Gauge Streamline Code 80 Insulfrog

SL-386	Curved Turnout Right Hand	£9.87
SL-387	Curved Turnout Left Hand	£9.87
SL-388	Large Radius Turnout Right Hand	£9.87
SL-389	Large Radius Turnout Left Hand	£9.87
SL-393	Short Crossing	£8.25
SL-394	Long Crossing	£9.00
SL-395	Medium Radius Turnout Right Hand	£8.82
SL-396	Medium Radius Turnout Left Hand	£8.82
SL-397	Medium Radius Y Turnout	£8.82

PECO N Gauge Streamline Code 80 Electrofrog

SL-E386	Curved Turnout Right Hand	£9.94
SL-E387	Curved Turnout Left Hand	£9.94
SL-E388	Large Radius Turnout Right Hand	£10.60
SL-E389	Large Radius Turnout Left Hand	£10.60
SL-E395	Medium Radius Turnout Right Hand	£8.89
SL-E396	Medium Radius Turnout Left Hand	£8.89
SL-E397	Medium Radius Y Turnout	£8.89

N GAUGE
Code 55 Rail



PECO N Gauge Streamline Code 55 Fine

SL-300F	Flexible Track* Wooden Sleeper Nickle Silver	£3.00
SL-300F(30)	Flexible Track* Wooden Sleeper Nickle Silver Pk 30	£84.60
SL-302F	Flexible Track* Concrete Sleeper Nickle Silver	£3.20
SL-302F(30)	Flexible Track* Concrete Sleeper Nickle Silver Pk 30	£90.00

PECO N Gauge Streamline Code 55 Fine Insulfrog

SL-380F	Single Slip	£32.25
SL-390F	Double Slip	£33.75
SL-394F	Long Crossing	£10.00

N GAUGE

PECO N Gauge Streamline Code 55 Fine Electrofrog

SL-E386F	Curved Turnout Right Hand	£10.69
SL-E387F	Curved Turnout Left Hand	£10.69
SL-E388F	Large Radius Turnout Right Hand	£10.69
SL-E389F	Large Radius Turnout Left Hand	£10.69
SL-E380F	Single Slip	£33.38
SL-E383F	Scissors Crossing	£57.75
SL-E390F	Double Slip	£34.88
SL-E391F	Small Radius Turnout Right Hand	£8.63
SL-E392F	Small Radius Turnout Left Hand	£8.63
SL-E393F	Short Crossing	£8.82
SL-E394F	Long Crossing	£9.57
SL-E395F	Medium Radius Turnout Right Hand	£9.64
SL-E396F	Medium Radius Turnout Left Hand	£9.64
SL-E397F	Medium Radius Y Turnout	£9.75
SL-E399F	Asymmetric Three Way Turnout	£28.20

OO GAUGE

OO / HO
Code 100 Rail



PECO OO / HO Streamline Code 100

SL-100	Flexible Track* Wooden Sleeper Nickle Silver	£2.96
SL-100(25)	Flexible Track* Wooden Sleeper Nickle Silver Pk 25	£69.50
SL-102	Flexible Track* Concrete Sleeper Nickle Silver	£2.92
SL-102(25)	Flexible Track* Concrete Sleeper Nickle Silver Pk 25	£68.50
SL-84	Catch Point Right Hand	£7.84
SL-85	Catch Point Left Hand	£7.84

PECO OO / HO Streamline Code 100 Insulfrog

SL-80	Single Slip	£28.32
SL-86	Large Radius Curved Turnout Right Hand	£11.93
SL-87	Large Radius Curved Turnout Left Hand	£11.93
SL-88	Large Radius Turnout Right Hand	£11.18
SL-89	Large Radius Turnout Left Hand	£11.18
SL-90	Double Slip	£30.75
SL-91	Small Radius Turnout Right Hand	£8.89
SL-92	Small Radius Turnout Left Hand	£8.89
SL-93	Short Crossing	£8.14
SL-94	Long Crossing	£9.49
SL-95	Medium Radius Turnout Right Hand	£9.83
SL-96	Medium Radius Turnout Left Hand	£9.83
SL-97	Small Radius Y Turnout	£9.00
SL-98	Large Radius Y Turnout	£10.47
SL-99	Medium Radius 3 Way Turnout	£24.38

OO GAUGE

PECO OO / HO Streamline Code 100 Electrofrog

SL-E86	Large Radius Curved Turnout Right Hand	£12.00
SL-E87	Large Radius Curved Turnout Left Hand	£12.00
SL-E88	Large Radius Turnout Right Hand	£11.25
SL-E89	Large Radius Turnout Left Hand	£11.25
SL-E91	Small Radius Turnout Right Hand	£8.97
SL-E92	Small Radius Turnout Left Hand	£8.97
SL-E95	Medium Radius Turnout Right Hand	£9.90
SL-E96	Medium Radius Turnout Left Hand	£9.90
SL-E97	Small Radius Y Turnout	£9.08
SL-E98	Large Radius Y Turnout	£10.54
SL-E99	Medium Radius 3 Way Turnout	£24.45

OO / HO
Code 75 Rail



PECO OO / HO Streamline Code 75 Fine

SL-100F	Flexible Track* Wooden Sleeper Nickle Silver	£3.00
SL-100F(25)	Flexible Track* Wooden Sleeper Nickle Silver Pk 25	£70.50
SL-102F	Flexible Track* Concrete Sleeper Nickle Silver	£3.12
SL-102F(25)	Flexible Track* Concrete Sleeper Nickle Silver Pk 25	£73.25
SL-104F	Flexible Track* Steel Sleeper Nickle Silver	£3.12
SL-104F(25)	Flexible Track* Steel Sleeper Nickle Silver Pk 25	£73.25
SL-106F	Flexible Track* Concrete Bi-Block Sleeper	£3.36
SL-106F(25)	Flexible Track* Concrete Bi-Block Sleeper Pk 25	£78.75
SL-184	Catch Point Right Hand	£8.07
SL-185	Catch Point Left Hand	£8.07

PECO OO / HO Streamline Code 75 Fine Insulfrog

SL-180	Single Slip	£32.07
SL-190	Double Slip	£34.50
SL-193	Short Crossing	£8.85
SL-194	Long Crossing	£9.72

PECO OO / HO Streamline Code 75 Fine Electrofrog

SL-E1095	Medium Radius Turnout RH with Concrete Sleepers	£12.00
SL-E1096	Medium Radius Turnout LH with Concrete Sleepers	£12.00
SL-E180	Single Slip	£32.44
SL-E186	Curved Turnout Right Hand	£12.19
SL-E187	Curved Turnout Left Hand	£12.19
SL-E188	Large Radius Turnout Right Hand	£11.82
SL-E189	Large Radius Turnout Left Hand	£11.82
SL-E190	Double Slip	£34.88
SL-E191	Small Radius Turnout Right Hand	£10.48
SL-E192	Small Radius Turnout Left Hand	£10.48
SL-E193	Short Crossing	£9.68
SL-E194	Long Crossing	£10.47
SL-E195	Medium Radius Turnout Right Hand	£10.77
SL-E196	Medium Radius Turnout Left Hand	£10.77
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SL-E198	Large Radius Y Turnout	£11.52
SL-E199	Asymmetric Three Way Turnout	£26.82

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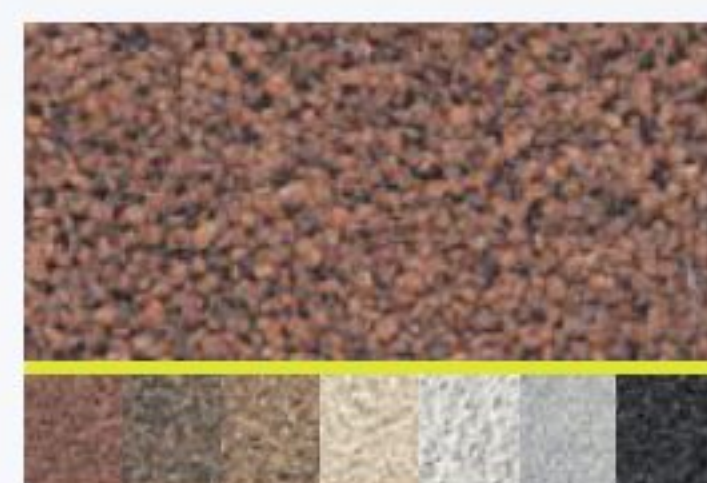
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ANY SCALE



Fine Ballast **£4.21** £4.95

WB70 Fine Ballast Iron Ore
WB71 Fine Ballast Dark Brown
WB72 Fine Ballast Brown
WB73 Fine Ballast Buff
WB74 Fine Ballast Light Grey
WB75 Fine Ballast Grey
WB76 Fine Ballast Cinders



Medium Ballast **£4.21** £4.95

WB77 Medium Ballast Iron Ore
WB78 Medium Ballast Dark Brown
WB79 Medium Ballast Brown
WB80 Medium Ballast Buff
WB81 Medium Ballast Light Grey
WB82 Medium Ballast Grey
WB83 Medium Ballast Cinders
WB94 Medium Ballast Grey Blend **£8.75**

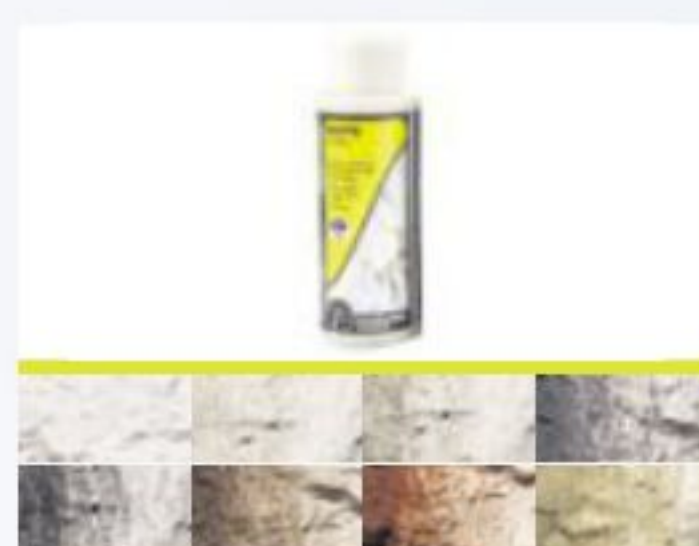


Coarse Ballast **£4.21** £4.95

WB84 Coarse Ballast Iron Ore
WB85 Coarse Ballast Dark Brown
WB86 Coarse Ballast Brown
WB87 Coarse Ballast Buff
WB88 Coarse Ballast Light Grey
WB89 Coarse Ballast Grey
WB90 Coarse Ballast Cinders



Earth Colours Undercoat **£7.44** £8.75
WC1228 Liquid Pigment Undercoat Green
WC1229 Liquid Pigment Undercoat Earth



Earth Colours **£5.95** £7.00

WC1216 Liquid Pigment White
WC1217 Liquid Pigment Concrete
WC1218 Liquid Pigment Stone Grey
WC1219 Liquid Pigment Slate Grey
WC1220 Liquid Pigment Black
WC1221 Liquid Pigment Raw Umber
WC1222 Liquid Pigment Burnt Umber
WC1223 Liquid Pigment Yellow Ochre



Coal **£3.83** £4.50

WB92 Coal Mine Run
WB93 Coal Lump



Fine Turf **£2.98** £3.50

WT41 Fine Turf Soil
WT42 Fine Turf Earth
WT43 Fine Turf Yellow Grass
WT44 Fine Turf Burnt Grass
WT45 Fine Turf Green Grass
WT46 Fine Turf Weeds



Coarse Turf **£2.98** £3.50

WT60 Coarse Turf Earth
WT61 Coarse Turf Yellow Grass
WT62 Coarse Turf Burnt Grass
WT63 Coarse Turf Light Green
WT64 Coarse Turf Medium Green
WT65 Coarse Turf Dark Green



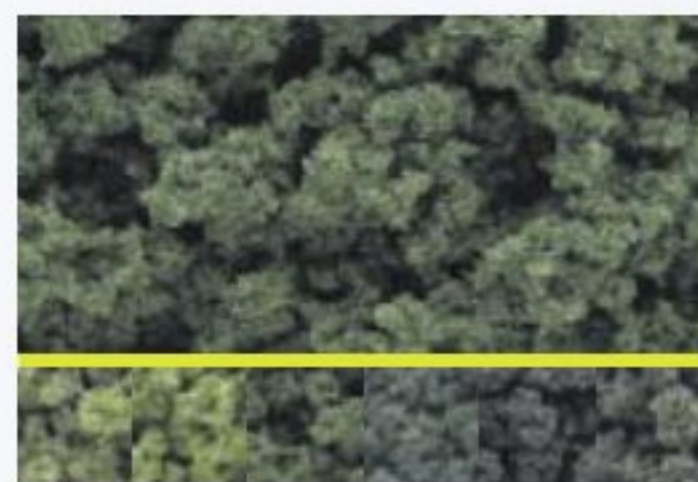
Blended Turf **£5.95** £7.00

WT49 Blended Turf Green Blend
WT50 Blended Turf Earth Blend



Underbrush **£4.47** £5.25

WFC134 Underbrush Olive Green
WFC135 Underbrush Light Green
WFC136 Underbrush Medium Green
WFC137 Underbrush Dark Green
WFC138 Underbrush Forest Green
WFC139 Underbrush Forest Blend



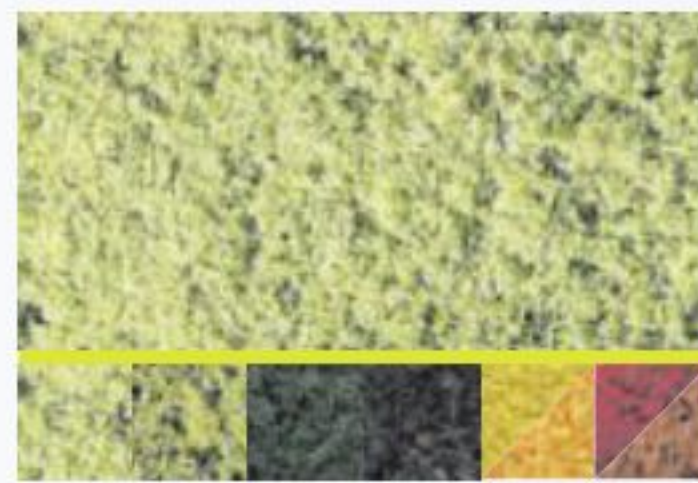
Bushes **£4.47** £5.25

WFC144 Bushes Olive Green
WFC145 Bushes Light Green
WFC146 Bushes Medium Green
WFC147 Bushes Dark Green
WFC148 Bushes Forest Green
WFC149 Bushes Forest Blend



Clump Foliage **£5.95** £7.00

WFC682 Clump Foliage Light Green
WFC683 Clump Foliage Medium Green
WFC684 Clump Foliage Dark Green



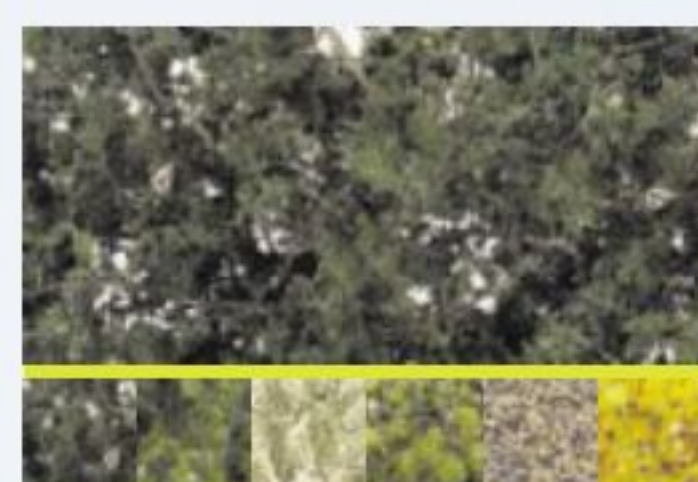
Foliage **£4.47** £5.25

WF51 Foliage Light Green
WF52 Foliage Medium Green
WF53 Foliage Dark Green
WF54 Foliage Conifer Green
WF55 Foliage Early Fall Mix
WF56 Foliage Late Fall Mix



Foliage Clusters **£8.08** £9.50

WFC57 Foliage Clusters Light Green
WFC58 Foliage Clusters Medium Green
WFC59 Foliage Clusters Dark Green



Fine Leaf Foliage **£14.67** £17.25

WFI130 Fine Leaf Foliage Dark Green
WFI131 Fine Leaf Foliage Medium Green
WFI132 Fine Leaf Foliage Light Green
WFI133 Fine Leaf Foliage Olive Green
WFI134 Fine Leaf Foliage Dead Foliage
WFI135 Fine Leaf Foliage Fall Mix



Tree Armatures **£12.54** £14.75

WTRI120 Deciduous Trees 3/4" to 2"
WTRI121 Deciduous Trees 2" to 3"
WTRI122 Deciduous Trees 3" to 5"
WTRI123 Deciduous Trees 5" to 7"
WTRI124 Pine Trees 2.5" to 4"
WTRI125 Pine Trees 4" to 6"



Realistic Tree Kits **£11.69** £13.75

WTRI111 Deciduous 3/4" to 3" Med Green
WTRI112 Deciduous 3" to 7" Med Green
WTRI113 Pine 2 1/2" to 6" Forest Green



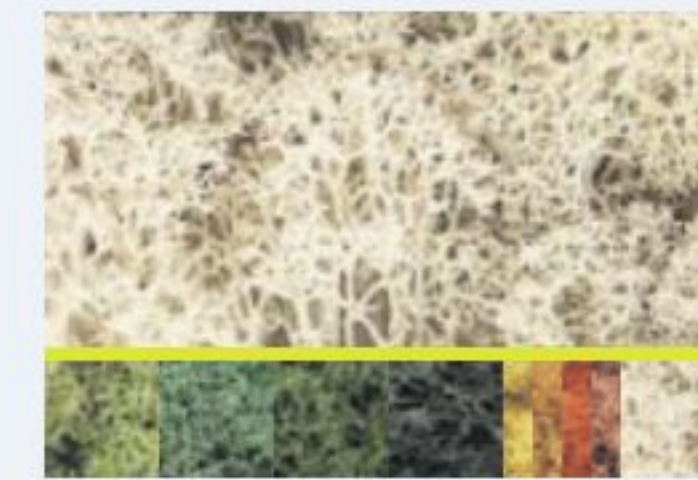
Earth Colour Kit **£14.67** £17.25

WC1215 Earth Colour Kit



Water

WC1206 E-Z Water **£11.69** £13.75
WC1211 Realistic Water **£18.92** £22.25
WC1212 Water Effects **£13.18** £15.50



Lichen **£8.93** £10.50

WLI161 Lichen Spring Green
WLI162 Lichen Light Green
WLI163 Lichen Medium Green
WLI164 Lichen Dark Green
WLI165 Lichen Autumn Mix
WLI166 Lichen Natural



Field Grass **£3.83** £4.50

WFG171 Field Grass Natural Straw
WFG172 Field Grass Harvest Gold
WFG173 Field Grass Light Green
WFG174 Field Grass Medium Green



Flowering Foliage **£3.83** £4.50

WFI176 Flowering Foliage Yellow
WFI177 Flowering Foliage Purple



Adhesives & Accessories

WS190 Scenic Glue **£6.59** £7.75
WS191 Scenic Cement **£7.44** £8.75
WS192 Scenic Sprayer **£3.83** £4.50
WS194 Canister Shaker **£3.83** £4.50
WS195 Hob-e-Tac Adhesive **£5.32** £6.25



WC1203 Plaster Cloth **£8.93** £10.50

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**LIVE
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INFO**



Different grades/shades of ballast chippings. Left: medium grade; middle: extra fine and right: fine.

How do I ballast track work?



Tools of the trade: a bag of ballast, ballast hopper, syringe, teaspoon, and a water spray gun.

WHEN LOOKING ON VARIOUS FORUMS and social media pages I always see the same questions: 'how do I glue/fix the ballast?' This is something I didn't learn how to do until I joined a club, which I would advise anyone to do, but if a club environment isn't your thing then hopefully we can answer your questions, **says Matt Wickham.**

Hopefully you will have run your layout to ensure that it runs reliably and you have no problems with derailling or any operation issues. Once you go to ballasting there are ways back but it is best to make sure it is what you want and you get enjoyment out of how it operates. Before ballasting you can weather your track by painting or using an airbrush and then cleaning the railhead afterwards, which is also important when gluing the ballast.

There are various suppliers of ballast including Jarvis and Woodland Scenics among

others and there are variations in price, size of the chippings and also colour. I generally go with a smaller size or N gauge ballast as I find most standard OO ballasts too large and bulky, and in scale terms probably the size of a small boulder.

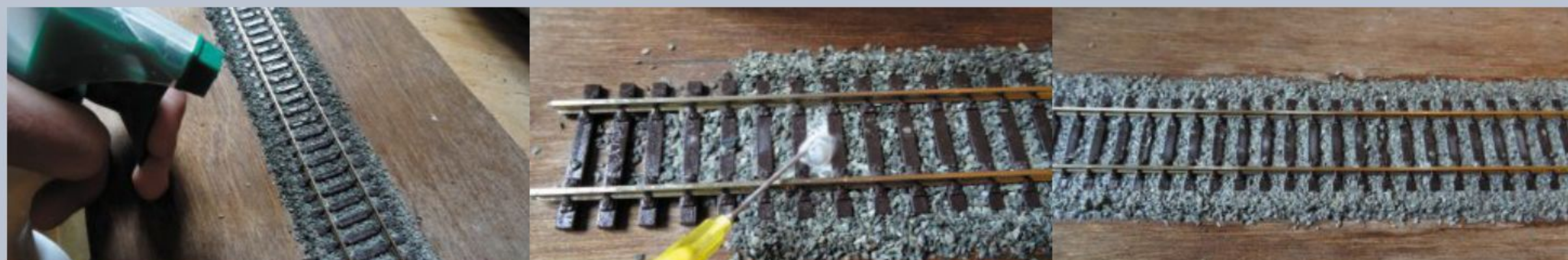
Don't be afraid to mix and match different shades of ballast, if you look at the colour of ballast on the railway network or on a preserved line it isn't all one colour, you can mix and match colours and even add some coal chippings to the mix if you're running in the steam period.

What tools will you need? I use a small spoon to apply ballast in small amounts in certain areas and a paint brush to move the ballast around and also to clear any loose ballast chippings, you can also use your finger, running it between the rails and along the outer edge of the rails. Next use a spray bottle to spray water to dampen the ballast, and a »



APPLICATION: Left: Prose's ballast hopper, middle: adding ballast to the track pulling backwards, right: cleaning off the ballast in the middle and ends of the sleepers.

Ask a daft question



FIXING: Left – Lightly spray a mist of water over the dry ballast; middle – applying 50/50 glue/water mix; right – complete, wait to dry for 24 hours.



POINTS: Left – Adding small amounts of ballast with a spoon; middle – clearing and spreading the ballast; right – finished point ballast ready to glue.

« syringe or pipette dropper for applying the glue mixture, or you could use an old glue applicator bottle.

The ballast can be applied by hand with a small paint brush or spoon as mentioned, but if your layout is quite large, a company called Proses produces ballast hoppers, these are quite useful but the ballast does need some finishing off. There is a standard hopper that spreads the ballast in a realistic fashion through three slots in the base of the hopper. As this hopper only does straights and gentle curves it would probably be best for modellers with a big layout. Filling the hopper with medium/super fine/fine ballast chip, simply drag the hopper backwards to release it through the slots. The ballast will require tidying up, making sure it is clear of the back of the rail.

It's quite simple to fix the ballast, but an amount of care must be taken especially around the points. I use standard PVA that you can get from your hardware or hobby/craft shop in a 50/50 mix of PVA and water, with a drop or two of washing-up liquid to break the surface tension of the mixture. I apply it using a syringe, squeeze bottle, or a small dropper (a pipette is best for points to avoid sticking the point) whichever you prefer, but certainly not a spray gun as it just goes everywhere.

Before applying this to the ballast, I would

strongly suggest you dampen the ballast with a light mist of water, I use an old kitchen cleaner bottle with a spray head; dampening the ballast means it will accept the glue and water mix a lot better than if it was dry.

It will take around 24-48 hours for the ballast to dry, make sure you clean the track before it dries so you don't have any glue mix on the railhead, which will cause pick-up issues for your model. You can also remove the track pins as the glue will hold the track in place.

If you have points on your layout I would say tread carefully and in this instance less is more, keep the ballast away from the moving toe bar, which holds the point blades. I use small amounts of ballast on a teaspoon and just apply it where I need to (not too much). Along the ends of the sleepers I use the side of the spoon to run a line of ballast and I then use my finger and a paint brush to ensure the ballast is clear of the moving blades and ends of sleepers.

If your points are motorised you can operate the point to level out the ballast, and to make sure your point blades are clear. To fix the ballast is the same as before but remember to apply sparingly and accurately with a syringe or pipette as you don't want to glue your point solid.

You can do various weathering of the ballast with water colours. If you have steam or diesel

locos you can apply oily, ash, or coal deposits around the end of platforms or in between the running rails. I use quite a large brush and a mix of water and black paint and apply it in the areas where I want the ballast to be weathered.

Proses ballast hoppers are available through Golden Valley Hobbies, as well as other brands. ■

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Dear RMM

Following on from the item in the March *RMM* about getting kids on track and in a similar vein in the April *RMM* 'Girls just want to have fun', my granddaughter had a fourth birthday party with a Disney Frozen theme at our house recently.

Upon returning home, her dad asked her what she liked best about her birthday weekend, without hesitation she replied: "Gran's model railway with engines that make a noise."

Model Railways: One – Disney: Nil
Alan Church, via email



WEATHERING: Left – complete and dry ballast; right – my own layout where the track at the end of the platform has been made to look dirty, using watercolours.



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GVH Quick Ballaster

The Quick Ballaster TM is the only tool required to both apply ballast to the track, forms a realistic ballast shoulder along the track edge AND ensures the track sleepers are all swept clean. It means these three tasks now take mere seconds, letting the modeller glue his ballast straight away. The Quick Ballaster TM is available in all popular track gauges with versions available for the popular OO and N scale, but also all other commercial track gauges from Z to G. Supplied flat packed, with simple instructions to assemble and get working in a few moments. We recommend a liquid poly type glue (not supplied) to make the assembly permanent. The Quick Ballaster name is Trade Marked. Both the Quick Ballaster and Dougal Ballast Smoother and proudly manufactured in the UK.

N/009	£14.99	O 2 rail	£22.49
O 3 rail	£22.49	OO/HO	£14.99
TT/00n3	£13.50	Z/HOF	£13.50



GVH Dougal

Dougal Ballast Smoother
We are delighted to offer all existing Ballast Spreader owners this simple, and cheap item to create the ballast shoulder and sweep the sleepers nice and clean ready for final gluing of the Ballast. They can simply add the Dougal Ballast Smoother to their tool box and let Dougal glide along the track sweeping as he goes! The Dougal Ballast Smoother is available for most gauges of track with versions available for the popular OO and N scale, but also all other commercial track gauges from Z to G. Supplied flat packed, with simple instructions to assemble and get working in a few moments. We recommend a liquid poly type glue (not supplied) to make the assembly permanent. Both the Quick Ballaster and Dougal Ballast Smoother and proudly manufactured in the UK.

Z/HOF	£4.30	TT/00n3	£4.30
OO/HO	£4.99	O 3 rail	£7.00
O 2 rail	£7.00	N/009	£4.99
G	£10.00		



GVH Circuit Tester

Voltage and Polarity Tester multi tester
Check not just if your track has power - but also how much! Lights illuminate for 5-9V, 9-12V and +12V Analogue DC or DCC compatible Works on all N, HO and OO track systems Shows polarity
£16.49



GVH Flexi Track Tool (Pair)

The Flexi Track tool solves the problem of keeping flexible track in curved shapes whilst you try and fit it down to a baseboard. Simply create your curve, then pace the tool onto the track. Tighten the wing nuts to hold in place. Each pack comes with two Flexi track tools allowing you to create long flowing curves or reverse curves in one go. Proudly manufactured in the UK. OO & N.
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GVH Coal Loads

3 x Coal Wagon inserts plus loose coal

Working in conjunction with scenery experts Busch of Germany, GVH have produced a set of three Wooden inserts for Mineral wagons. These are scaled to fit the Oxford Rail 7 plank of which GVH are commissioning 12 variants for their own range. Of course it also works just perfectly with all other Oxford Rail 7 plank wagons and many other brands of wagon too. Each pack contains three wagon load inserts and one bag of Busch Real Coal.



GVH Wagon

3 pack NCB 7 plank open coal wagon

A set of three 1922 RCH design open wagons inspired by the industrial concerns branding



and operations. Perfect for use with the new **Janus locomotive** in matching branding. Each wagon in the pack carries a different running number. Production is limited to 500 pieces. Comes with NEM Coupling pockets allowing you to change the couplers if you wish.

GV6012	3 pack NCB 7 plank	£29.99
GV6013	3 pack BSC 7 plank	£29.99
GV6014	3 pack BP 7 plank	£29.99
GV6015	3 pack PLA 7 plank	£29.99

GVH 0-6-0 Steam Loco



GWR Green 0-6-0 steam loco

Great Western Railway green with basic lining on tank and coal bunker. GWR crest. No 629. Inspired by the Great Western Railway Metro and Short trip tank locos. Produced by Electrotren exclusively for Golden Valley Hobbies.

DCC Ready	£59.99
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It's all in the timing...

In a new monthly column **Lucian Doyle** tackles some of the issues within the modelling world. This month he talks awards ceremonies over a cup of tea.

IS IT ME OR ARE THERE awards ceremonies for everything these days? If it is not the Oscars it's the BAFTAs. Then we have the Annual Soap Awards followed by goodness knows what.

Being blunt, who on earth votes for them all and at what financial cost to those who do the voting? In some ways I suppose it allows the TV companies to fill some primetime TV spots in order for those involved to pay for the awards. A way for the broadcasters to have a TV programme paid for completely by the consumer. All they have to do is to make the programmes then create an award for the said programme genre, have the public vote at their cost and then create another programme to show the aforementioned awards being won. Great... but for someone like me who is

waiting to be immersed for two hours in trying to work out who has murdered whom in Midsomer it can be quite infuriating when up pops on to my screen one of these industry 'slap on the back' programmes. Mind you, even the model railway industry is not averse to organising such awards but thankfully these are not broadcast, well not on my TV anyway.

Just recently a friend and I got into a discussion about the 2016 British Model Railway Awards announced a couple of months ago and the validity of such things. I just happened to say that although I never vote for such awards it was good to see that Hornby had at last been recognised for producing some truly excellent models, as well as picking up the Manufacturer of the Year award. All this, I said, meant that even taking

into account the trials

and tribulations that Hornby had gone through in these last few years, at least where model railways were concerned 2016 was its year.

My friend did agree but said that with Bachmann having a year of consolidation and only a few dribs and drabs of new products coming from the likes of Kernow and DJModels it would have been amazing if Hornby had not achieved at least a couple of number one spots in the 'oo' rankings. He then went on to explain that in his opinion much had to do with timing. He explained that if one looked at past years the majority of new items that had won the top position in the awards were those that had recently been released, in some cases only a matter of weeks before the polling had begun. Continuing on this tack he said that Bachmann had been excellent at such timing, which was one reason

why it had on a regular basis achieved the top slot with many of the oo and

N gauge awards... and therefore by default Manufacturer of the Year. He then added that Hornby was still considered by many in the so-called model fraternity as not being 'model railway' enough, hence its usual lack of awards.

As my friend's latest statement hung in the air I decided that it was probably best if I wandered off to the kitchen to make some tea. While waiting for the kettle to boil I mused on what my friend had said, some of which did make sense but not all and I resolved to continue the discussion on my return with the tea. This I did and handing one of the mugs to my friend I started by saying that Hornby's major problem was that, try as it might, not being taken as a serious model railway manufacturer was really based on the snobbery of many of the modellers and not on the models it produced. Of course, Hornby had not helped itself over the years – certainly not in recent times – but in general what it produced was first rate. I am not one of those who has to buy one of everything but I am keen to see what is new and for my part what Hornby has produced over the last couple of decades confirms to me it is serious.

Of course, like all of us it has made the odd mistake and its 'Design Clever' debacle must go down as one of the company's greatest misunderstandings of the modeller, but who can criticise its King or the stunning B12, the latter of which I would have said was a category winner but the little Peckett obviously caught the imagination of the voting modellers. As



Photo Credit: Nigel Burkin



for its coach stock, personally I thought the Collett coaches were a suitable winner, so maybe my friend's assumption that the closer the release date is to the actual voting does have some credence. As for Hornby's SR cattle wagon, an interesting winner, and linked with the SR Maunsell coaches maybe it denotes how strong the SR fraternity is in the model railway voting world.

I explained all this to my friend, who being fair, did not disagree... but I think we both felt we each had a valid point.

During our discussion I did use the latest Hornby catalogue as a reference point, but while doing so I had to admit that although the publication was much better than the poor excuse that had masqueraded as a catalogue for 2016, we both felt that the 2017 offering was well below standard. Both of us have been in the printing industry at various points of our lives and

we were obviously keener than most to examine in close detail a publication that costs just a penny shy of £8. Thankfully Hornby had returned to its standard A4 portrait format, but that was not the only thing it had returned to. On closer examination we discovered that some of the images incorporated looked incredibly familiar and it was not long before I realised that many of the pictures used had been taken from past catalogues. Now there is no rule saying that cannot be done, but when the locos featured in these 'time again' shots are not part of the current range then my friend and I began to wonder what we had purchased. Was it a new catalogue or a rehash and at £8 did we feel cheated? Well for me it was a good job that there was not a category for best manufacturer's catalogue because in my book Hornby would have come last. ■

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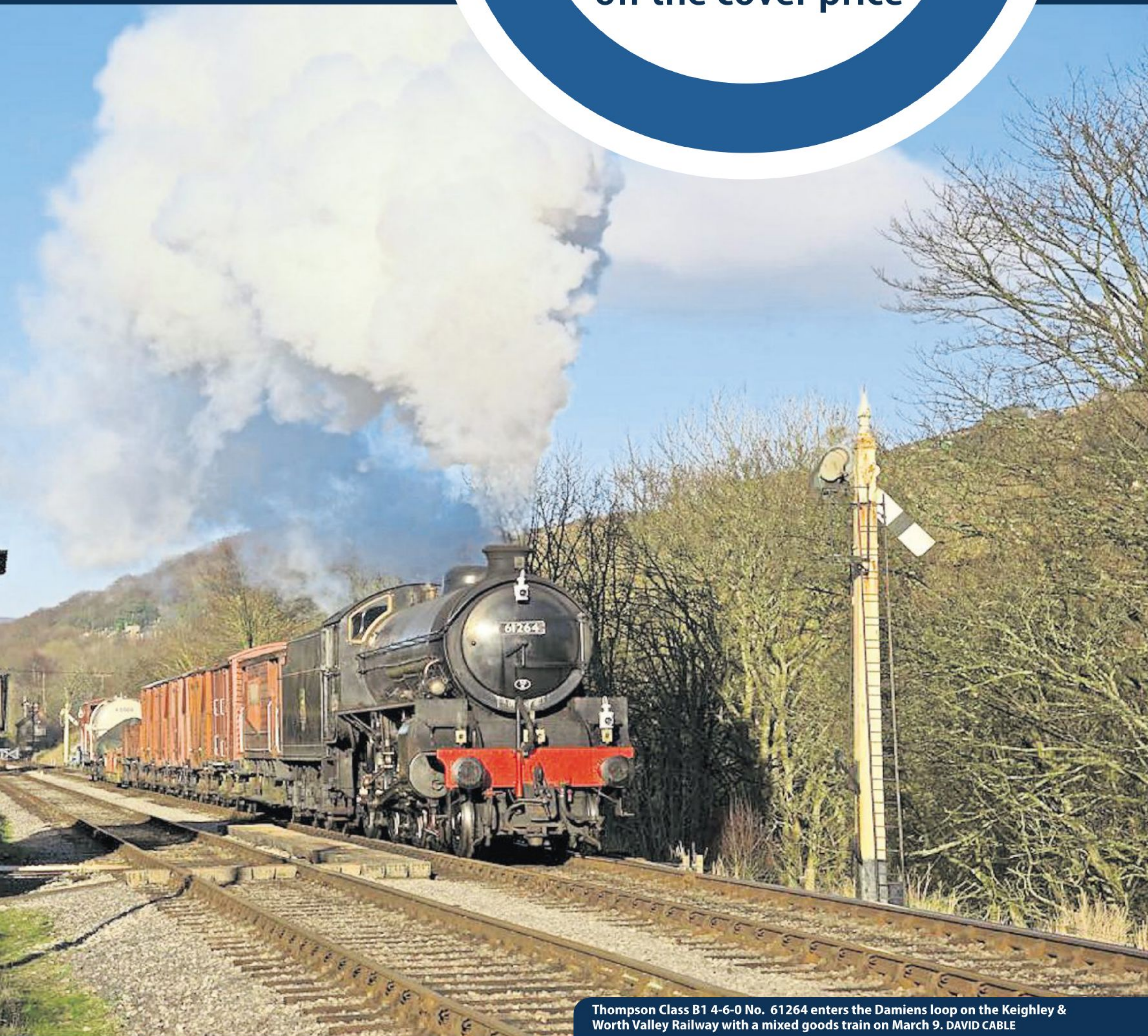
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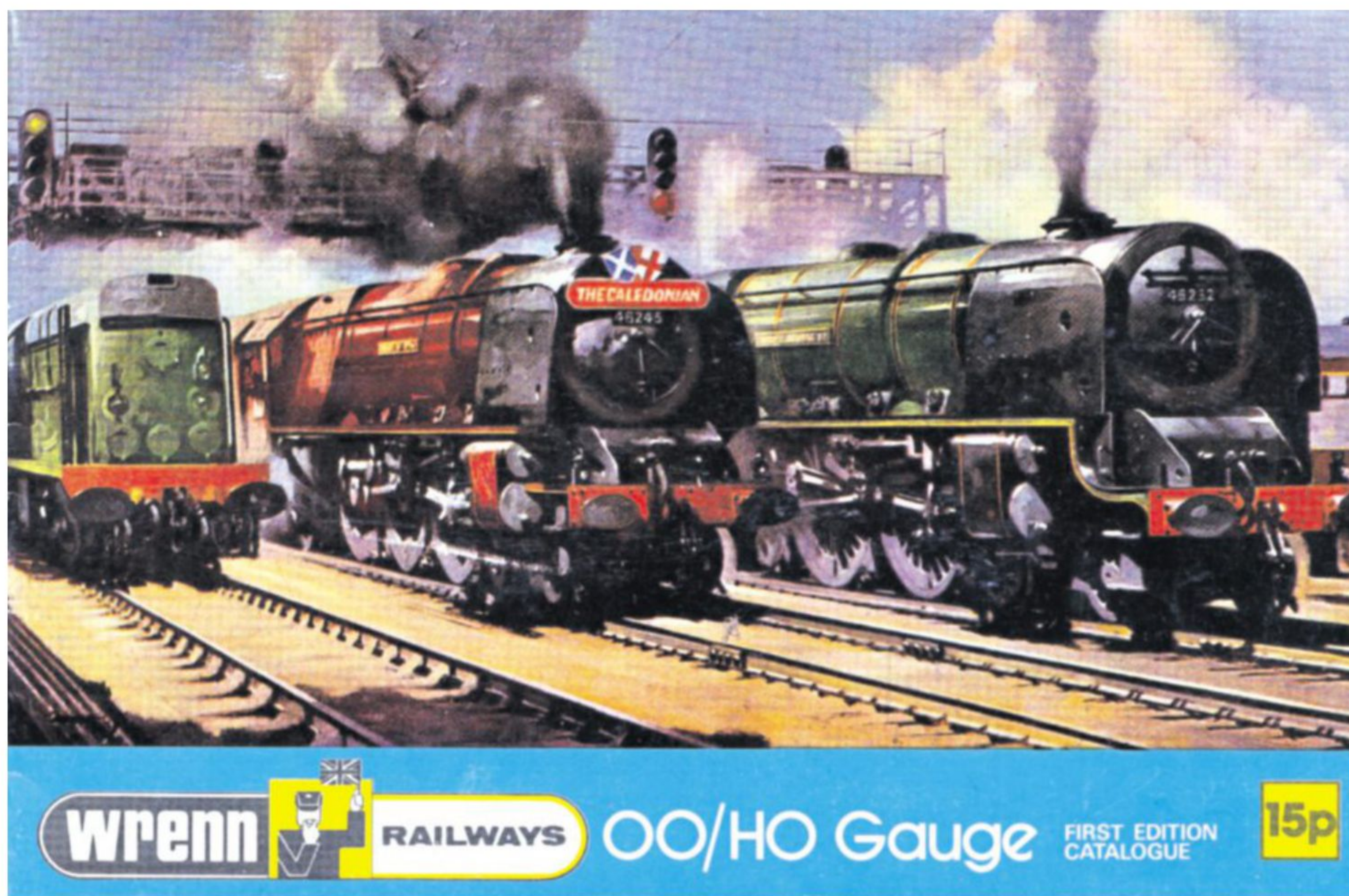


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Thompson Class B1 4-6-0 No. 61264 enters the Damiens loop on the Keighley & Worth Valley Railway with a mixed goods train on March 9. DAVID CABLE



G&R Wrenn

Tony Stratford looks at the company that saved Hornby Dublo models and made them its own



IN OUR PREVIOUS ARTICLES ABOUT Hornby and Tri-ang, the name G & R Wrenn has appeared several times. After the collapse of the original Liverpool-based Meccano company and its famous OO Hornby Dublo range in 1964, Wrenn went on to produce many of the famous trains under its own name into the 1990s.

Two brothers, George and Richard Wrenn, formed the company in 1950 to produce OO-scale track from a factory in Lea Green, Blackheath in south-east London. Both were engineers by profession, George and Richard both served apprenticeships with Vickers-Armstrong Ltd. The new Wrenn company produced two- and three-rail track, together with a range of point work, using a fibre base for the sleepers.

Richard worked for a time in developing a similar track system for Graham Farish, which was then based in Bromley, Kent, and became works manager. Farish had

entered the OO market in 1949 and was the first to offer a ready-to-run mass-produced two-rail model locomotive, rolling stock and track work. At the time the two major manufacturers (Hornby Dublo and Trix) used three-rail systems. Richard also worked for toy company Victory Industries which, for a period, was based in Guildford.

G&R Wrenn was soon a major supplier of track with a big expansion taking place in 1952 and additional staff recruited. Among them was a secretary called Audrey, who in 1956 married George. Having left the company a year before when they relocated to Essex, she subsequently returned to become company secretary and a company director in 1966 having raised a family; a role she continued until the company was dissolved following its sale to Dapol in 1992.

In 1955, the company moved to Basildon, Essex in 1955 to 9 Bowlers Croft,

an industrial estate complex whose name would appear on the company's advertising and packaging for many years.

Originally a partnership between George and Richard in 1957, the two brothers set about forming a limited company. The original share issue of 10,000 £1 shares in January 1958 saw each brother acquiring 5000 shares each with both becoming joint chairmen. They were then joined by their brother Cedric, then working in the antiques business, who became the company's sales director in the late 1950s.

The business, in addition to its OO, TT and O gauge track products, went on to manufacture several different toys, including a radio-controlled model boat branded Master Mariner, which came complete with its own inflatable pool! Wrenn also developed a very successful 1/52nd scale slot-car racing system known as Formula 152 in 1960.

Following closure of Victory Industries,



the Guildford-based toy company in 1969, G&R Wrenn bought the remaining stocks of Mighty Midget motors, Vosper RAF Boats and Vosper triple-screw yachts and all the associated spares. These items were subsequently listed in Wrenn price lists in the early 1970s. Victory Industries produced battery-powered model cars and boats, which used Mighty Midget motors and had developed their own slot-car racing system VIP. Wrenn went on to produce the former Vosper boats at Basildon until 1971.

Continued expansion eventually brought into use additional Bowlers Croft Units Nos. 7 and 11, either side of No. 9, and at one time the company employed some 600 people.

The Trix connection

On June 1, 1964 Wrenn reached agreement with British Trix, which would take over the marketing and sales of Wrenn products including the Formula 152 slot-car range.

The company issued shares worth £10,000 to British Celanese Ltd, the parent company of Trix, part of the Courtaulds Group, which produced Lego under licence at its factory in Wrexham as British Lego Ltd until 1999. One of the British Trix directors, James Morris, was appointed

to the board of G&R Wrenn.

The arrangement was strengthened in July 1965 when another 5000 £1 shares were issued. By then the British toy industry was in turmoil. The Meccano empire created by the manufacturer of Hornby O Gauge and Hornby Dublo trains had collapsed in 1964. British Trix too was in difficulty and had already approached Lines Brothers, the owner of Tri-ang Railways and Hornby Dublo, regarding a possible takeover. Lines Brothers declined the offer and in October 1965, the Wrenn brothers bought out the shares owned by British Trix and the company was once again totally within the family.

Part of the Tri-ang empire

Although Lines Brothers was not interested in the British Trix range, no doubt owing to its trains being made at 3.8mm to the foot – halfway between HO and OO scales – it was interested, however, in the Wrenn company.

During 1965 negotiations took place between Lines and Wrenn, resulting in Lines becoming a major shareholder in Wrenn from January 1966. Wrenn had approached Lines regarding the purchase of the former Hornby Dublo tooling that Lines had acquired in 1964 with the Meccano assets.

Tri-ang rebranded its Tri-ang Railways range as Tri-ang Hornby during 1965 to appease the Hornby operators but only a small number of items were included in the main catalogue. Lines Brothers was, at the time, offloading large stocks of unsold Hornby Dublo products on to the market at very low prices, much of it through the Wrenn subsidiary.

With Wrenn part of the Tri-ang empire, Lines had an ideal solution. It could restart production of the old Hornby Dublo range at Basildon, pleasing Hornby Dublo owners and ensuring that the range did not fall into competitors' hands.

Tri-ang already had its own slot-car racing system in Scalextric and the Wrenn Formula 152 system was a casualty of the new arrangements.

The rebirth of Dublo

With some Dublo locomotives no longer available the opportunity was taken to reintroduce the Castle Class locomotive *Cardiff Castle*. Only two-rail versions were made and the tooling altered to erase the Hornby Dublo name in favour of G&R Wrenn from the underneath of the locomotive running plate.

The locomotive was also fitted with Tri-ang-type couplings with the large plastic Hornby Dublo type being

»

Blasts from the past

supplied in an accessory bag. The box was branded WRENN.

The 8F 2-8-0 and BR Standard Class 4MT 2-6-4T followed in 1967. The first wagons appeared in 1968 with coaches in the form of the all-plastic Pullman cars appearing in 1972. The range of tinplate coaches, although listed for re-introduction, never materialised. 1968 saw the R1 Class 0-6-0T alongside the rebuilt Bulleid Pacific. The following year saw the N2 Class 0-6-2T, Princess Coronation (Duchess) 4-6-2 and the Gresley A4 class. Only two diesels were produced; the Class 08 shunter in 1975 and the Class 20 Bo-Bo two years later. Production of these products would continue until closure.

Other products

When production of the Tri-ang TT items ceased in 1967 remaining stock was transferred to Lines subsidiary G&R Wrenn, which sold it off to dealers. The company did arrange for the tooling to be used for three types of BR Mk.1 coaches in 1968 – these were the only ones to appear in BR blue and grey livery and, as very few were made, they command high prices on the second-hand market.

By 1967, N gauge was gaining momentum as an alternative to OO as well as the by-now discontinued Tri-ang TT system. Not wishing to enter the N gauge market, in its own right, Tri-ang struck a deal with Italian manufacturer Lima, to market a series of low-cost British outline models to compete with the Minitrix and Peco ranges already available.

From October 1969, the first adverts appeared for Tri-ang Wrenn and from 1970 until 1972 new boxes carrying Tri-ang Wrenn branding were used.

With the break-up of the Lines Group Tri-ang empire in 1971, G&R Wrenn



became independent once again when the Wrenn brothers bought out shares owned by Lines Bros to regain independence. Although the link with Rovex was broken, Rovex salesmen continued to market Wrenn Railways' products for a further year.

Abandoning HO

The relationship with Lima saw it produce O-scale models, the mineral wagon being a copy of the Tri-ang Big Big train product and using the same coupling system that was discontinued around the same time.

Wrenn also distributed the HO system, which introduced British outline models in 1973 and realising that despite competitive prices, British buyers remained entrenched in OO scale so, in 1976, Lima jumped ship

to OO scale abandoning British HO scale. A year later Wrenn stood down as the Lima importer and distributor with Eisenmann taking over responsibility for Lima in the UK.

Coats of many colours

Some Wrenn locomotives carried liveries that were never used in real life. Perhaps the most famous example of these was the BR 4MT 2-6-4T that carried Caledonian Railway livery. While the real locomotive did not appear until 1951, 28 years after the demise of the Caledonian, a 2-6-4T did carry such a livery in preservation on the Lakeside & Haverthwaite Railway in Cumbria.

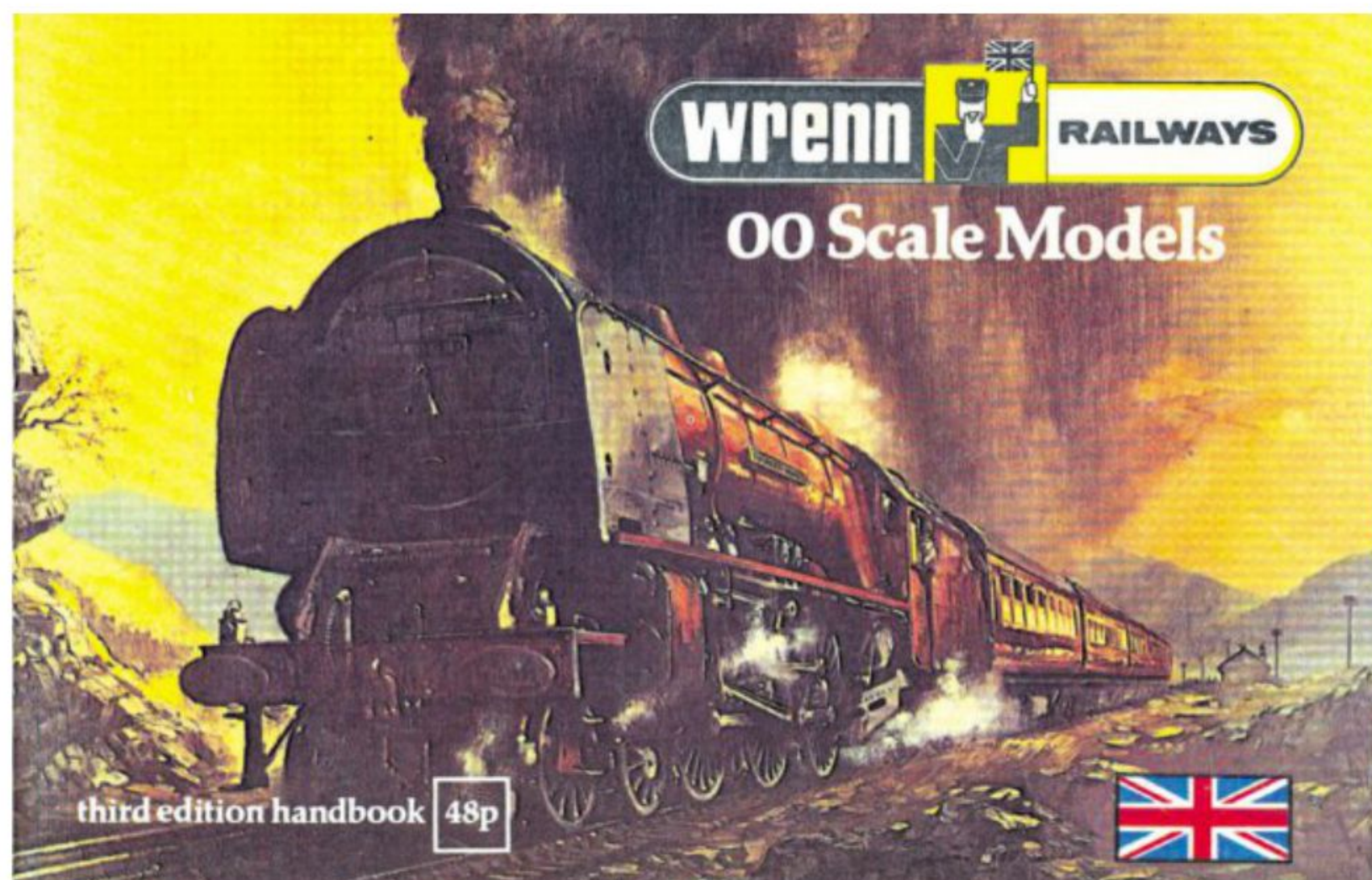
The locomotive in question was a Fairburn 2-6-4T rather than the BR derivative. It was no surprise that when Bachmann produced its Fairburn tank, the Bachmann Collectors' Club produced a model of the Caledonian version with all the 500 models selling out in days.

Despite the lack of prototypical accuracy in some cases, the models proved popular with collectors and are highly sought-after today.

Wrenn tooled models

While most products produced between 1972 and 1992 consisted of former Hornby Dublo products running on new chassis with Tri-ang type couplings and carrying the G&R Wrenn name, some new models were tooled that were only available during the Basildon era.

These included a model of the 'Brighton Belle' based on the old Hornby Dublo Pullman cars in 1980 with new power cars. An original Royal Scot Class locomotive appeared in 1981, while a streamlined



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« Bulleid Pacific followed in 1982 and a streamlined Princess Coronation Class 4-6-2 in 1983 – the last two using existing chassis components. The body for the streamlined Princess Coronation was cast by N & KC Keyser of Banbury, which manufactured the famous K's kits.

The end of an era

Of the Wrenn brothers, Richard retired in 1975 going on to run a successful antiques business in Leigh-on-Sea with his wife Jean for 25 years before finally retiring in 2000, and Cedric retired as sales director in 1982.

By 1991, George now 71, looked to sell the company as a going concern. Unfortunately, he was unsuccessful and in October 1992, he wrote to stockists announcing a closing-down sale.

There was almost a panic among the many collectors with prices increasing overnight, particularly for the rare items. Shops soon ran out of stock and collectors visited the factory during the final weeks to buy the last of the products. Prices rose overnight and many of the rarer models were changing hands for several hundred pounds after the factory closed. At the time of closure George and Audrey Wrenn were the sole directors.

In the summer of 1993 the name and assets of the company were bought by David Boyle of Dapol Model Railways. The

first adverts for G&R Wrenn trading from Dapol's Winsford site appeared in the model railway press from the September 1993 editions, although the press release regarding the takeover appeared the previous month.

Dapol cleared the Bowlers Croft site of machinery, tools, stock and company records and transferred them to its Winsford site. Staff began the job of sorting out items and assembling wagon components for sale in original Wrenn boxes.

Records destroyed

Dapol was, in 1994, preparing for a move to Lower Dee Mill and many of the tools had already been transferred from Winsford when the factory was destroyed during a fire. Much of the Wrenn archive material was unfortunately lost including artwork used for advertising and catalogue production.

Wagon production recommenced in November 1997 with two ranges, WR1 that used original Wrenn bodies on original Wrenn die-cast chassis and WR2 consisting of new wagons from the Wrenn tooling located on new Dapol chassis.

Although it had been announced that locomotive production from the Wrenn tooling would recommence, no locomotives or coaches were manufactured at Llangollen. Once the supply of original wagon bodies and chassis had been exhausted, production

of the new wagons continued and these were incorporated into the main range.

Dapol used many of the wagon body tools for catalogue and commissioned wagons produced as limited editions for model railway organisations, retailers and individuals over the years, which it continues to do today.

Under new ownership

Three Wrenn collectors pooled their resources to purchase G&R Wrenn from Dapol. Their intention was to secure the name, tooling and surviving records. The wagon body tools incorporated into the Dapol range were not included in the sale and remain in use with Dapol today.

Several wagons were produced over the years from the original tooling and these were sold through the company website, and some through the Wrenn Collectors' Club. The new Wrenn company produced new bodies for several locomotives. The company closed in October 2015 and this looks to be the end of the Wrenn story.

Wrenn Collectors' Club

Formed in 1999, there is an active collectors club with some 200 members. For details see www.wrennrailways.co.uk

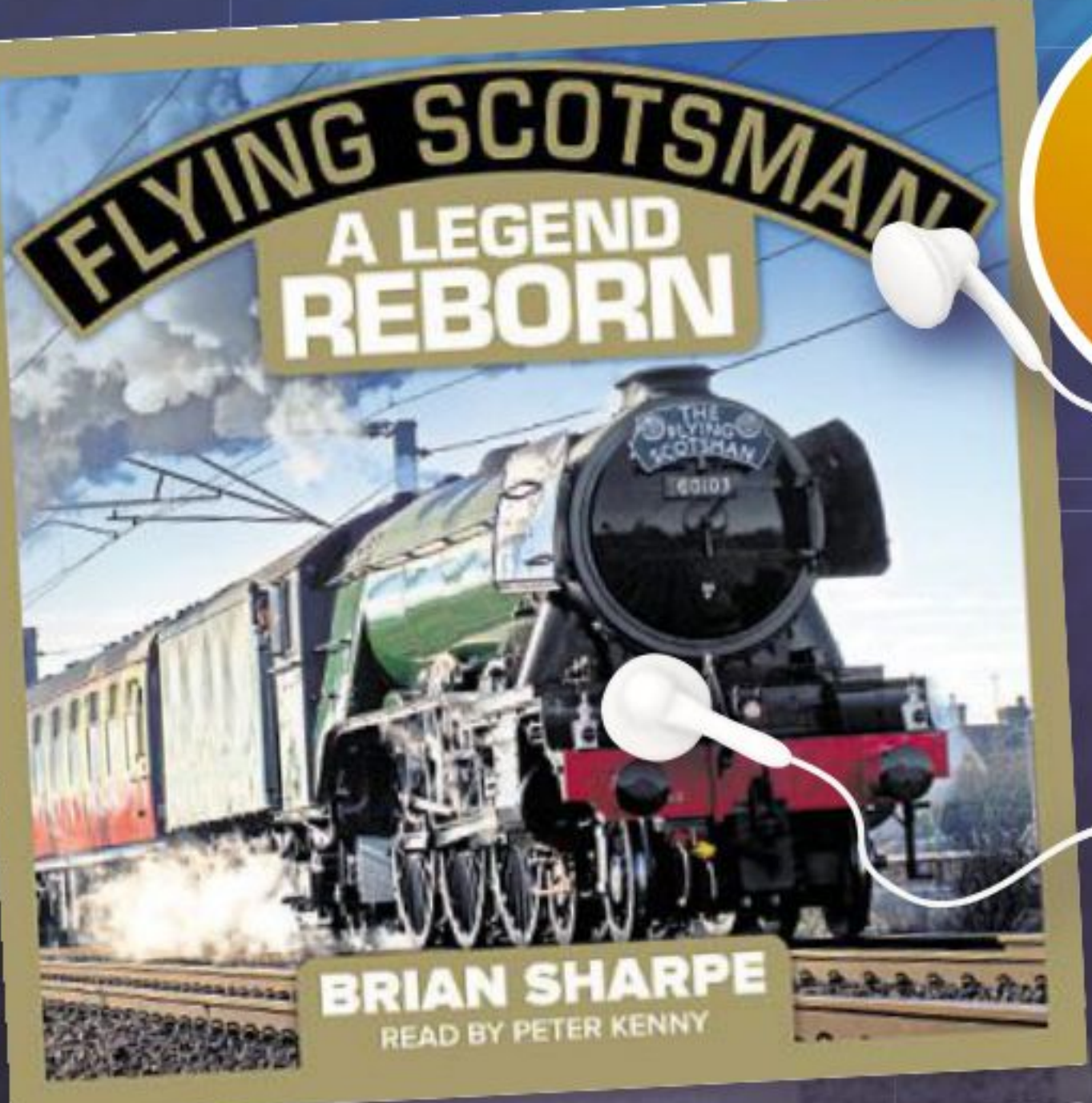
In the next issue, we shall look at Graham Farish ■

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Melbridge Box Company (OO gauge), a layout I made in an A4 box file. Built for a competition, the rules allowed for more than one file to be linked together but all the buildings had to fit inside with the lid closed. To achieve this, the upper floors of each model can be removed.

The joy of Building tiny layouts

If you want to get started on a model, try dreaming big, but building small, says **Phil Parker**.

DO YOU DREAM OF A MODEL RAILWAY stretching as far as your eyes can see? When opening a track plan book, are you drooling over the four-track main line with half a dozen stations layout?

I'm not.

In fact I'll be happy if I never build a model railway layout longer than six feet in length ever again. I'm not alone either. There are lots of people like me. Modellers who are quite happy to limit their ambitions to modest projects, some little bigger than a sheet of paper.

So, what is the appeal of a tiny layout and should you be building one?

Let me start by explaining what I'm talking about. The guru of micro model

railroading is the late Carl Arendt whose website, still being run by friends, has the following definition:

"Micro *layouts* are small model railroads, usually less than three or four square feet in area, that nonetheless have a clear purpose and excellent operating capability."

This is pretty stringent. You are looking at a baseboard no more than four-feet long and 12in wide – small but enough space for some useful and interesting model making. Perhaps that is a bit too hair shirt for most but if you can find space for something half the width of the traditional 6ft by 4ft baseboard, then a model railway is well within your grasp.

My first serious layout built back in the 1980s was as traditional as they come. A

branch line, which, after a few modifications ended up 20ft long. It appeared at three exhibitions, but with no room in the house able to accommodate the whole length, away from shows it lived packed away. After that, I decided that any follow up would be usable in a normal room so even if it didn't set the show circuit alight, at least I'd have a model railway I could actually use.

Melbridge Dock came in at a modest six feet long plus a three-foot fiddle yard. Nine feet of layout would go up in a spare bedroom and so it was available for operation and more importantly, modelling. Every piece of track, every building and all of the rolling stock was built by hand. Despite this, the modest size allowed the layout to be ready for showing within 18 months.

**1**

1: At 9ft long, Melbridge Dock (OO gauge) fits in a normal room and a Mk.1 Ford Fiesta. A small layout meant that I could spend time adding loads of detail including a pair of scratch-built Clyde Puffers.

2: Based on an asylum railway, The Hellingly Hospital Railway offers limited operation in its eight-foot length but it's a pretty scene and a fascinating prototype.

Taking the layout on the road prompted an unexpected response from visitors. People kept saying: "I didn't realise you could do so much in a tiny space." They really liked it, and so did exhibition managers who booked us for shows up and down the country.

After a few years, thoughts turned to another project, this time based on an asylum in the south of England. The Hellingly Hospital Railway ended up slightly shorter, but no less detailed. Not the most exciting layout to operate perhaps, but great fun to build and again, it attracted attention at shows.

After this the die was cast. Another nine-foot layout, Flockburgh, appeared. This time »

**2**

Tiny layouts



1: Even large-scale models can operate on little layouts. 16mm scale is normally the preserve of garden railways, but this circular scene is less than a metre wide.

2/3: My first attempt at a 3mm-scale layout, Flockborough is also 9ft long. Plenty of space for challenging finescale modelling.

4: Thakeham Tiles, built by Michael Campell is based on a prototype narrow gauge factory railway. The unusual triangular baseboard houses the O14 (7mm scale, 14mm track gauge) layout, which includes skips that are loaded and emptied in the buildings at each end.



“ I fancied trying out 3mm scale and while the dream was to build Ballachulish, this was a new scale with a lot of challenges. A plan by the late Cyril Freezer seemed like a good starting point for something that would be a test bed for the new techniques required, so that’s what we built. Ballachulish is yet to happen, but Flockburgh allowed me to tackle a steep learning curve and gain the confidence to do it if I ever find the time.

I’m in awe of those who can stick single-mindedly to a grand project. Rev Peter Denny spent 30 years building and rebuilding his famous layout Buckingham. That’s not for me. Blessed with a butterfly mind, I’m wont to head off on all sorts of tangents. Show me an interesting prototype

and I’ll be drawing track plans in my head with dreams of a layout to follow.

The Melbridge Box Company came about because I suggested to the Double O Gauge Association that a layout building competition would be a good idea. Obviously suggesting people make a conventional model would be met with a lack of interest, but how about building in a box file? That wouldn’t take anyone much time, or absorb a lot of space. My layout lives on a bookshelf when not being used but fitting everything into a small space was enjoyably challenging and several others felt the same.

Over the years, I’ve built layouts in plastic boxes plus a few more six-foot wonders. Give

me a room 50-feet long and I’d probably fill it with lots of little layouts. Maybe I can’t run a long express train, but I can live with that.

So, why do I love building small layouts so much?

Fast results.

If a micro layout takes a long while to build then it’s not small enough. While a main layout can be seen as a lifetime project, a micro should be a matter of weeks, or at most a few months’ work. Mind you, we are railway modellers and therefore hopeless at judging how long anything takes (Hint: at least twice as long as you think it will) so don’t quote me on this.

Forget a glacial pace of progress, every



5

session should see visible results and with them, the pleasure of getting something done.

I recall a friend once saying that he would be spending the next year ballasting his layout, and feeling sorry for him as this is one of the duller chores associated with our hobby. Quite frankly, dragging myself down to the shed every evening for another session of sprinkling and gluing bits of granite in place would make the idea of sitting in front of a soap opera seem very appealing.

Wiring is another of those jobs that can go on forever. All we want is to see a train move and yet for many, this simple step can be months away from the day that wood is first cut for a board. Fine if you have the patience and a clear vision, but many don't. This leads me on to:

They make a great break from bigger projects.

If you want to build a layout, you need to stick at it. Every time you change your mind, there will be work to undo and then do all over again. Ask yourself, are you doing this because the original idea was wrong or did you just get bored and need to do something different?

Sometimes a little side project can provide relief from the larger one. You mess around building a tiny layout for a few weeks and then go back to your main model with fresh eyes and renewed enthusiasm from having achieved something. Maybe changes still need to be made but the chances are you'll realise that the original project looked fine, you'd just become tired of it.

The chance to try out new techniques.

What is the best way to ballast track? Is O gauge more appealing than N? Can I make my own buildings from scratch?

Modellers, especially new ones, can find themselves full of questions and faced with ever more possibilities within the hobby.

Talking to other people and reading books, magazines and the internet can help but there is nothing to beat getting your hands dirty and trying things out. Don't plunge in and commit yourself to a full-size layout until you are sure it's right for you. A tiny layout is a great way to test techniques and see how they work.

If you enjoy the micro then you move on to the main project full of enthusiasm and with experience that will allow for rapid progress. Chances are that thanks to your practice you'll save loads of time and produce better results in the future. You might even decide to incorporate the little model into the main one.

Storage is easier.

Most of us don't have a room that can be given over to our hobby. If we are lucky, the layout has a home where it can be set up to be worked on, the chances are it will need to be packed away occasionally and put out of the way while family life takes over.

Should you have a spare room, building a model railway in there can perform the valuable service of stopping the build up of rubbish. Empty rooms become magnets for boxes and 'stuff' which all need to be moved out in a hurry when you have someone

6



5/6: O gauge doesn't have to take up loads of space. Tim Watson has built a series of micro layouts, each 2ft long, that link together for a larger model.

7: I've always fancied building an American narrow gauge model and when I saw Francis Stapleton's Crazy Anna Mine, it provided me with an awful lot of ideas. Tiny, it still provides a continuous run for four wheel locos and rolling stock.

7

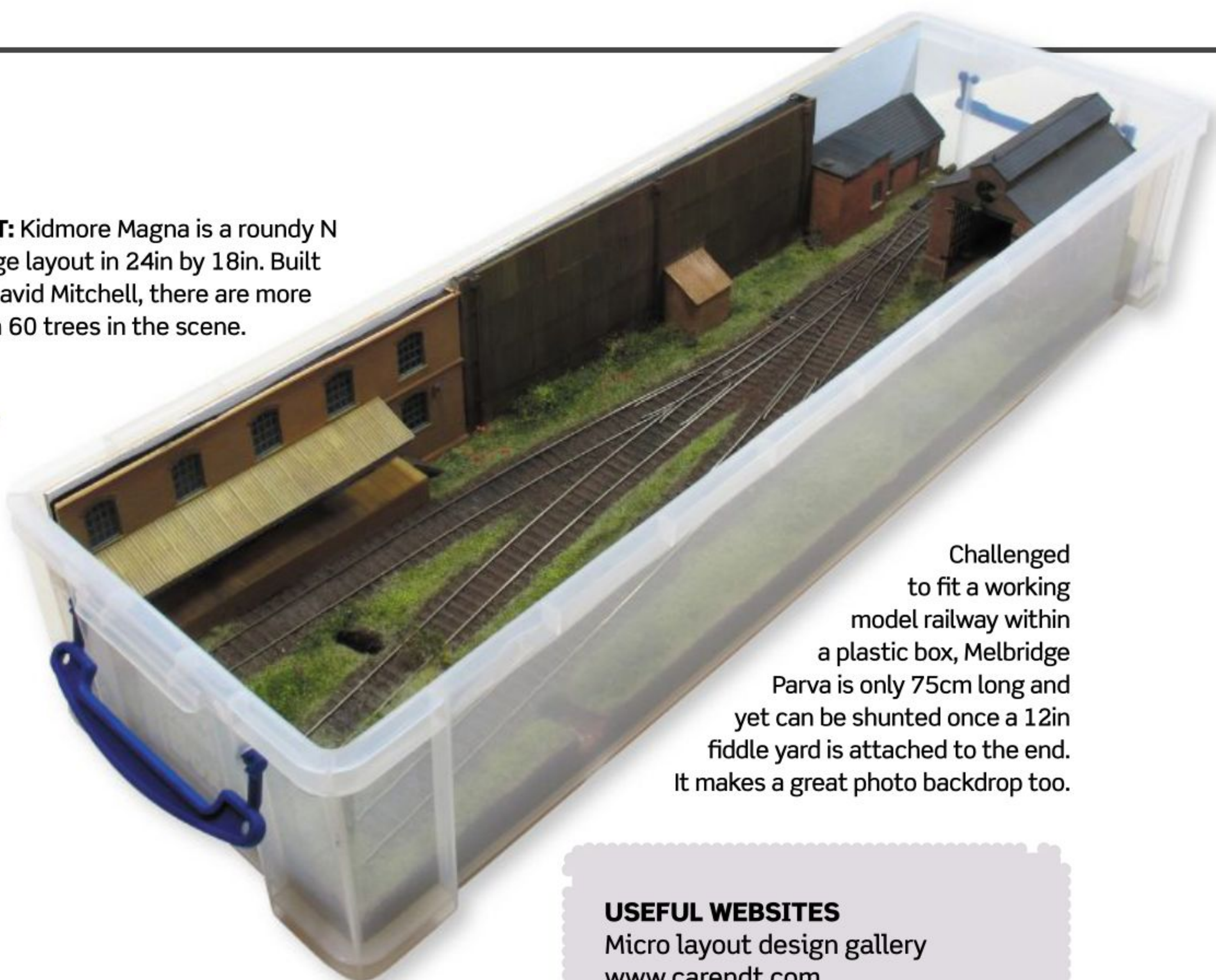


»

Tiny layouts



LEFT: Kidmore Magna is a roundy N gauge layout in 24in by 18in. Built by David Mitchell, there are more than 60 trees in the scene.



Challenged to fit a working model railway within a plastic box, Melbridge Parva is only 75cm long and yet can be shunted once a 12in fiddle yard is attached to the end. It makes a great photo backdrop too.

« staying over. Regular use for layout building will stop this as although modellers are perfectly capable of accumulating 'stuff' we all know it will come in handy one day so it's NOT rubbish.

The trick is to be able to pack the layout up quickly. My main layouts split into a pair of three-foot-long baseboards that can be bolted to face each other. Put a cloth over the top and suddenly they are a useful table with a vase on the top taking little space in the corner of the room.

True micro layouts are even easier to deal with. Building a layout in a box file allows it to sit on a bookshelf. Those in plastic boxes can live on top of wardrobes or under beds.

So, how do you start?

Simple, take some track and a small board and shuffle the pieces around until something looks good. I like the idea of working on a layout that will fit in a box as it imposes a definite limit that forces me to be creative. The Really Useful Box company makes excellent plastic containers that I've used in the past. Snug-fitting lids protect the model from dust and during the building stage, encourage you to keep the materials inside rather than spreading them around the house.

You don't even need track for the planning stage. Peco makes point plans freely downloadable from its website. Print some out and move them around on the board along with some rolling stock.

Once happy, get building. There is only one aim – finish the model. Keep things simple – all that matters is to crack on and see some results. Don't worry you aren't doing things right, it's your layout and you can do what you want. Keep the spending down and just enjoy the model.

This isn't serious, you might decide to chuck it in the bin once you've done, but I bet you don't. Little layouts have a habit of growing on you! ■

USEFUL WEBSITES

Micro layout design gallery

www.carendt.com

Carl Arendt's website full of micro layout inspiration

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MY HOME PAGE

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Links to my layouts, which include construction photos.

At 38in long, Two Sister's farm was built for a competition and loosely based on Lincolnshire potato railways. The builder chose 1/32 scale as his eyesight isn't as good as it was plus there are loads of kits and diecast models that could be modified to make the unusual rolling stock and fantastic details.





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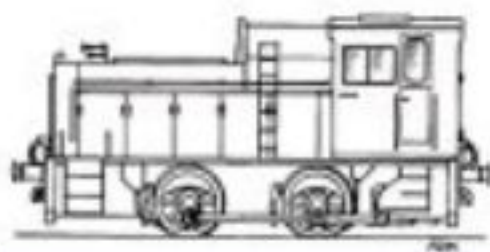
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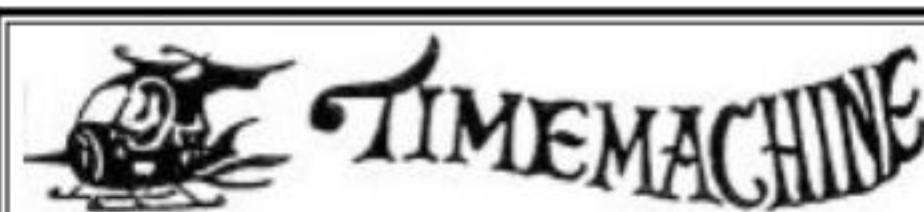
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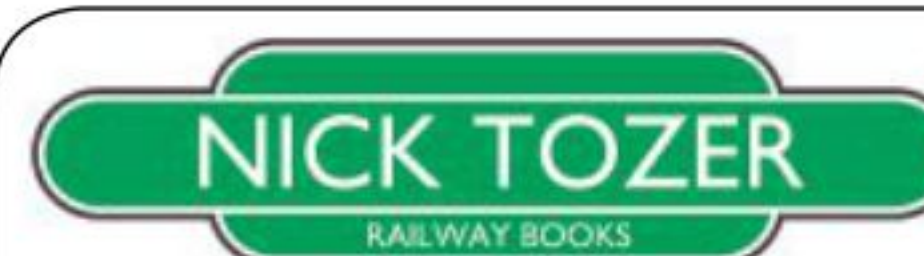
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RMM's secret layout spotter has been out and about photographing layouts of note this month...

Life on the Peckham branch



A modern tinplate loco: the Ace trains pannier, engaged in shunting a GW "toad" – this is one of a batch built by the GW for London freight services and is therefore very appropriate for the Peckham branch.



The private siding at Peckham High Street. This area is a pastiche of the LNWR coal yard which once existed in the real Peckham.

The Peckham branch is a minimum-space o gauge railway, which enables me to wallow in nostalgia for a lost Peckham and an older style of railway modelling, **writes John Tarrant.**

On the Peckham branch coarse and finescale, tinplate and more modern materials happily rub shoulders. The model is based on a very real location in south-east London – the high street station is where the new Peckham library now stands but was indeed once the terminal basin of the Peckham branch of the Grand Surrey canal.

As the Peckham High Street branch is notionally an appendage of the East London line it is possible for all manner of locomotives and rolling stock to put in an appearance. The limitations of size mean that in reality stock is limited to tank locomotives, four-wheeled passenger stock and goods vehicles that do not normally exceed 12 tons, although BR standard 16t mineral wagons have started to appear at the coal yard.

In order to make a little more space, one mildly innovative feature was to abandon the idea of a conventional fiddle yard. The space originally earmarked



New and old, Ace Trains pannier passes an original Hornby signalbox approaching Peckham.

for this is now occupied by Hill Street station. Thus fiddle yard activities are achieved by running a train into Hill Street, turning off the illumination to that area and removing/replacing stock under cover of darkness!

In lieu of fiddle yard sidings, storage for stock is provided on a shelf above Hill Street station. This storage area then ignited the idea of using a further shelf

to portray a diorama of Surrey Docks loco shed. This is simply a Darstead engine shed and a couple of yards of track, but it does serve the real purpose of housing spare locos and some rolling stock between turns on the railway.

The branch, storage sidings and loco shed scene have all been illuminated with LED strip lighting which gives a nice daylight feel to the model. (This

being South London in 1950 the 'daylight' tends to have a rather grey overcast quality!)

Peckham itself is largely represented by enlarged photographs of the area used as a background, somewhat enhanced by some half-relief buildings. Platforms and some other structures are built in the traditional way from card and brickpaper. Most of the line is signalled from a genuine

We want to dedicate these pages to your inspirational, unusual, well-loved layouts and models. So please do get in touch with us by emailing rmmodellingeditor@mortons.co.uk or visit our Facebook page to like and share your photographs.

Find us at: [f railway magazine guide to modelling](#)



Activity in the coal yard.

Hornby tinplate signalbox. This 'box is one of those with a hinged roof and space inside for the 1930s vintage Hornby control system. To pay homage to this I have installed Peco point and section switches inside to control the Hill Street area of Peckham.

Finally, internal illumination, in the spirit of its age, is provided by a torch bulb. High Street station is controlled by Peco point switches concealed within a half-relief industrial building conveniently located at the front of the railway.

Track work is the ubiquitous Peco o gauge bull-head variety some of which, to my astonishment, is now more than 30 years old having served time on several layouts. Points are very elderly Marcway units that have been repaired/refurbished over the years. Point control is by prehistoric H&M SM3 motors and traction control is by a more modern Gaugemaster analogue DC unit: there is no possibility of DCC ever appearing at Peckham. Power to the Surrey Docks shed diorama is provided, appropriately, by an old H&M Powermaster unit.

A late addition to the Surrey Docks area has been a Hornby tinplate signalbox spotted in a local charity shop.

When I was very young I lived in a house whose garden overlooked this canal and that house would have stood somewhere near what is now Hill Street station on the model.

So the Peckham branch has developed as a pastiche of my memories of a long-vanished Peckham where the canal has been replaced by a rather quirky branch railway.

The modelling style recognises my own incompetencies and, I hope, pays homage to an earlier style of modelling, which draws much more on the modeller's imagination and is less concerned with slavish, and sometimes clinical, prototypical 'accuracy'.

This little railway gives huge satisfaction in its operation, and I find it very easy to get lost in this little world of vanished Peckham! Rather like the earlier model railways that have inspired the Peckham branch, there is a complete history and character story being developed around the model.

I strive to achieve a credible railway operation that provides me with operational interest and a chance to enter a slightly different version of the world we live in: much more fun than computer-generated virtual reality! ■



These pictures are of the first boxfile layout I built, writes **Steve Graham** of North Yorkshire.

It ran for a while with a length of track added to give the trains somewhere to run from. I also took it along when I did modelling demonstrations to show what could be done in a small space.

The track and points on

all three boxes are Peco. The scenics are from many sources; some commercial and some scratch-built. Electrics are DC and the points are manual.

I built a second box with two exits and another point and am now finishing off a third one that will join the two. Both these are fully scenicked. The layout will be at Bridlington show on May 27.



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This display was built by Doug Kightley, and is a perfect example of 21st century model making. The bridge alone consists of 663 separate parts; and there are more than 350 buildings on the layout that took almost three years to construct. It is 26ft (8m) long by 2ft (60cm) wide. Appreciating that it has been created in T gauge: 1/450 Scale, one of the smallest available, amazingly trains actually run across the structure. KEN MCKEE (02) AND IAN LAMB (01)

Mail Rail Scotland

ANOTHER PRESTIGIOUS Model Rail Scotland show was held in February, presented through the combined efforts of around 30 members of the Association of Scottish Model Railway Societies in Scotland, supported by guest layouts plus 150 exhibitor stands, including demonstrations, **writes Ian Lamb.**

With the addition of numerous preservation societies and 'real' railway outlets there

were many sources to hand ensuring authenticity for the appropriately themed modeller, regardless of scale or gauge.

As always at such events, it is the manufacturers (large and small) plus the traders who put up the funding to make such a venture financially viable.

Inevitably in today's expensive world the overall impression was that of targeting to the masses, as I felt there was a certain 'sameness' about many layouts.

Also – as this magazine tries to emphasise – if we are going to encourage 'new blood' into the hobby (especially from enthusiastic youngsters) there needs to be more direct welcoming to visitors to try their hand at operating some of the layouts, rather than simply observing.

As an exhibitor myself from time to time, I can appreciate the concern that operators do have when they see misguided fingers inexorably approaching

one's pride and joy (usually through poor parenting), but in my view we must do all we can to encourage participation.

I therefore have great admiration when I see an approach like that of Brian Taylor (Smart Models) who almost begs you to have a go.

Inevitably each visitor will have their favourite layout, of which the following is my selection, though there were many more that I'd love to draw attention to. ■

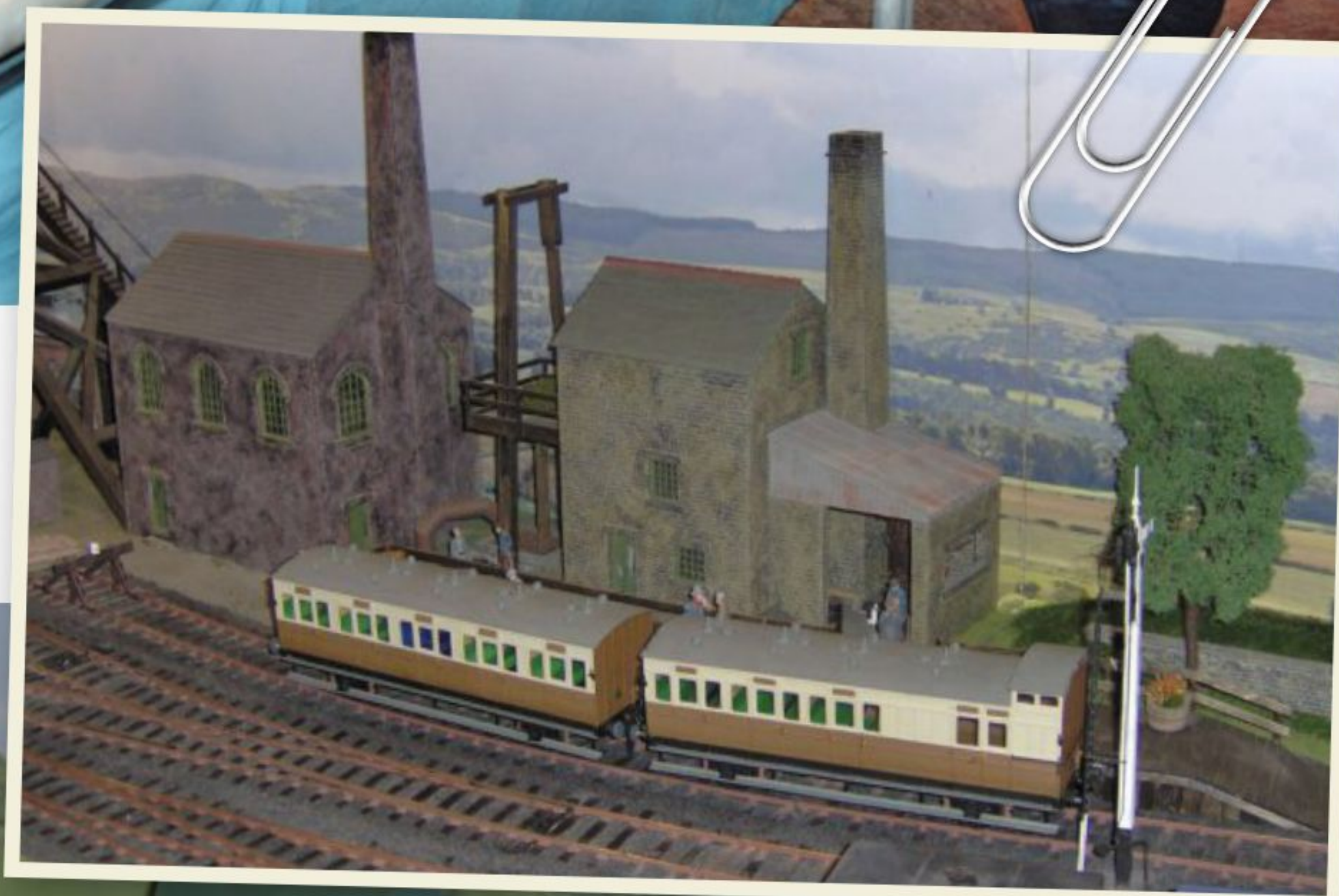


Kinnaird, the layout presented by Bonnybridge Model Railway Club, just oozed with atmosphere; and the illusion of space belied how narrow the baseboard actually is. IAN LAMB



⚡ Fresh from its Best in Show accolade at Pontefract,
 » Jeff Wetherell's superb O gauge display, Thorne Hill
 Colliery, was no less received by a very enthusiastic
 audience at the Glasgow exhibition.

KEN MCKEE (01) AND IAN LAMB (02)



«
 Island of Sodor complements
 beautifully
 the TV series
 featuring
 Thomas the
 Tank Engine,
 where young
 visitors can be
 truly enthused
 to become
 future railway
 modellers.

IAN LAMB

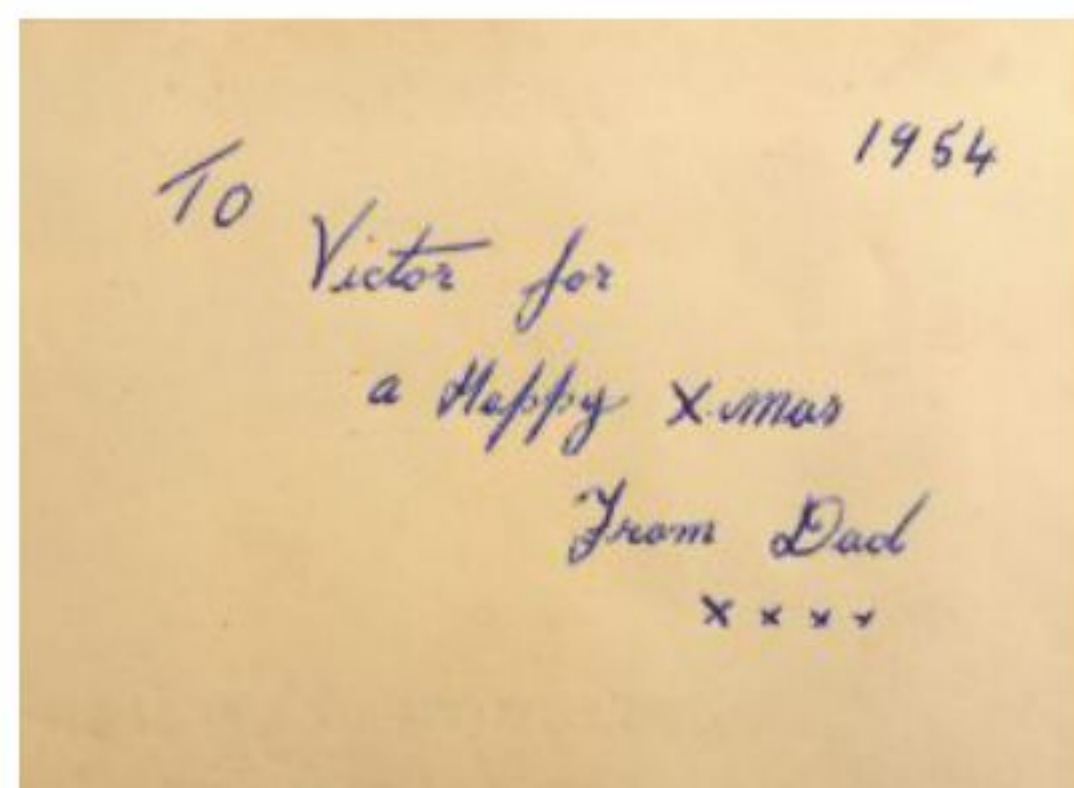
Postwar modelling advice with a familiar ring

This month, instead of looking at railway history for ideas, I thought I'd blow some dust off a copy of Edward Beal's *Railway Modelling In Miniature*, writes **Sarah Palmer**.

I CAME ACROSS A MENTION OF THIS LITTLE book while doing some research for an article a few months ago; intrigued, I ordered a copy from Buffer Books, and a few days later it arrived, complete with a handwritten note on the flyleaf: 'To Victor for a Happy Xmas From Dad xxxx', dated 1954. Four kisses, and we think the postwar generation were stiff upper lipped. But, I found it touching that this book was given to Victor by his dad, with love, to hopefully get him modelling railways. He has made notations in the text, so I trust the book helped him.

Railway Modelling in Miniature by Edward Beal was first published in 1947. The foreword to the first edition was written by Percival Marshall, founder of the Model Engineer, and must have been written just before his death in 1948. His words, written 70 years ago, still hold as true today as they did then:

"There is no more fascinating hobby



ABOVE: The flyleaf from my copy of Edward Beal's book.

Right: My well-worn edition of *Railway Modelling in Miniature* dates from 1951.

than that of building and operating working railways in miniature. It affords endless scope for neat craftsmanship in the construction of locomotives, rolling stock, stations, bridges and line-side accessories; it appeals to the artistic sense in its requirements of realistic scenic settings, and it provides both entertaining and instructive problems in the marshalling of trains and running them to a timetable... Naturally the desire to plan and equip a miniature railway correctly leads to a close study of real railway practice, and for this reason the hobby not only has a distinct educational value, but provides its devotee with numberless

opportunities for profitable organisation of railway equipment and methods, when on his travels." The persistent assumption of a male readership took a bit of getting used to while reading. Different times.

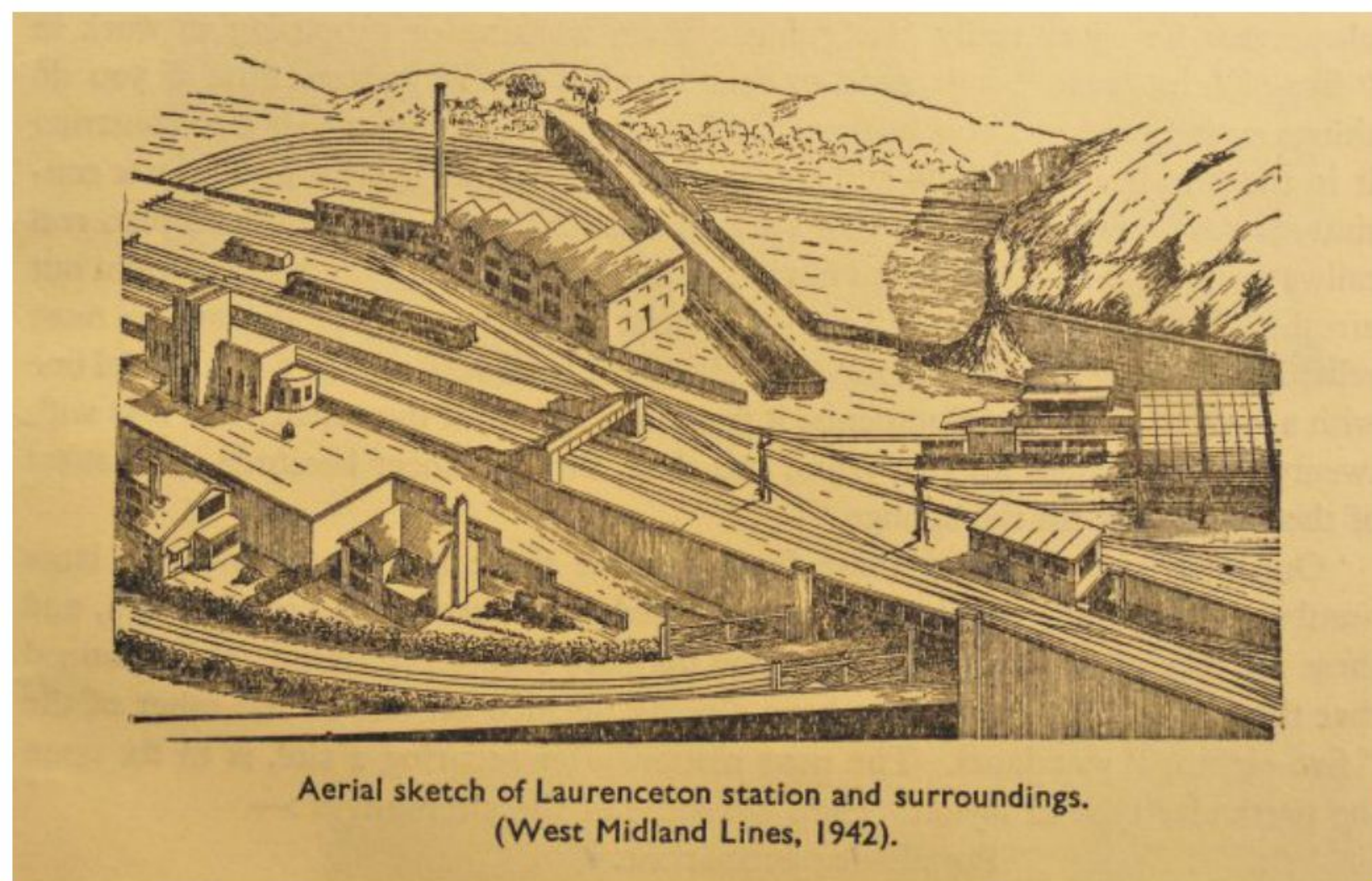
"A good miniature railway is never finished; there is always something to be done in the way of improvement or extension, of adding new rolling stock, or in some way developing the interest or appearance of the system. It affords endless occupation and enjoyment."

The foreword to the third edition, printed in 1951, which is the copy I have, was equally stirring, and this time it was written by J N Maskelyne:

"It is necessary once and for all, to dispel the idea that railway modelling consists of merely 'playing trains'. Enthusiasm for railways should be definitely encouraged in young people and respectfully admired in their elders: and a practical interest in miniature railways gives each one of us the opportunity to indulge in one of the very hobbies which are, at once, healthy, amusing, instructive, constructive and profitable."

Sad that Maskelyne didn't manage to quash the 'playing trains' notion flat, doing the rounds as it still is so many years later. As an aside, Maskelyne became interested in modelling from helping his father and grandfather – the world-famous illusionists – make models for their stage shows. It's amazing the routes people have into the hobby.

I was sceptical at being able to get anything of note from this book but it



Aerial sketch of Laurenceton station and surroundings.
(West Midland Lines, 1942).

One of the appeals of the book for me are these delicate line drawings.



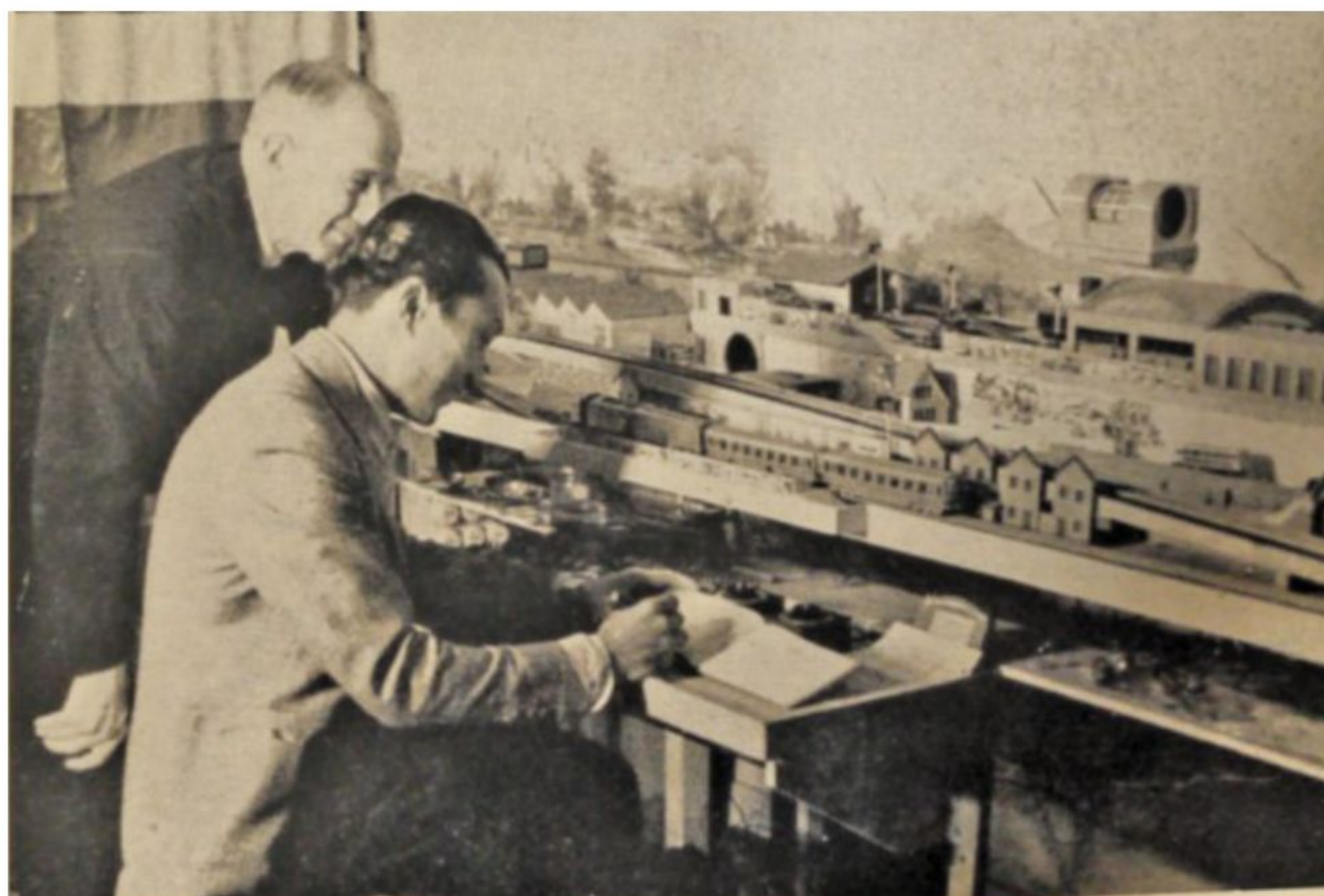
confounded my expectations. Beal's talk of working with and coming up with suggestions for small-space modelling was something I didn't expect. Too many times with hobbies you are tempted to give up before you start because you don't think you've got the right kit, the money or the space to succeed. The phrase: "The writer has endeavoured to incorporate every kind of ingenious improvisation within his knowledge so that the hobby may be carried out at a minimum of expenditure," is definitely one deserving of more currency in modern life.

Another gem was this: "But where there are 10 people so privileged as to have the vacant space or the available cash to build a [larger] layout, there are a hundred who, if they are interested in the most fascinating subject of railway modelling at all, will be glad – it is hoped – to read these pages." Ah, Edward Beal, I wish there were more people like you around today, but the book very much is a product of its time, when postwar rationing was still in full swing and the wartime ethos of make do and mend was very much to the fore.

His explanation on scales and gauges is equally readable, the most concise and easy to understand for the beginner that I've come across. The beautifully detailed illustrations with INCORRECT and CORRECT versions of how to do this are very neat, although his espousal of creating with cardboard I would have taken with a pinch of salt had I not met 'Cardboard John' at the Lincoln and District Model Exhibition recently. Cardboard should definitely make a comeback. Beal's can-do tone is so confidence inspiring, despite the fact that time has left some of his advice in the past, particularly the section on making your own track.

His mention of brands will have some readers sighing with nostalgia. Woolworths for me, but he also talks of Trix, Certifix, Hamblings of London, Merco and Durofix. And when I asked *RMM*'s Ian Lamb what he thought of Edward Beal, his name raised goose bumps.

"I was a 'war baby'. After hostilities had ended, things were still so austere, with material sources very scarce, and where books were concerned – or loaned for study purposes – once you got home you were expected to cover them in thick brown paper to protect them from juvenile rough handling. By the same token this habit was extended to personal railway books for a while. I still remember that the first book I purchased – Edward Beal's, *Railway Modelling in Miniature* – which may now be outdated, was certainly the foundation on which I based all my future model railway involvement and progress. It, of course, got the brown paper treatment. Keeping it protected in this way certainly ensured the



The book has black and white photographs as well as line drawings. In this image we can see Bassett Lowke at work.

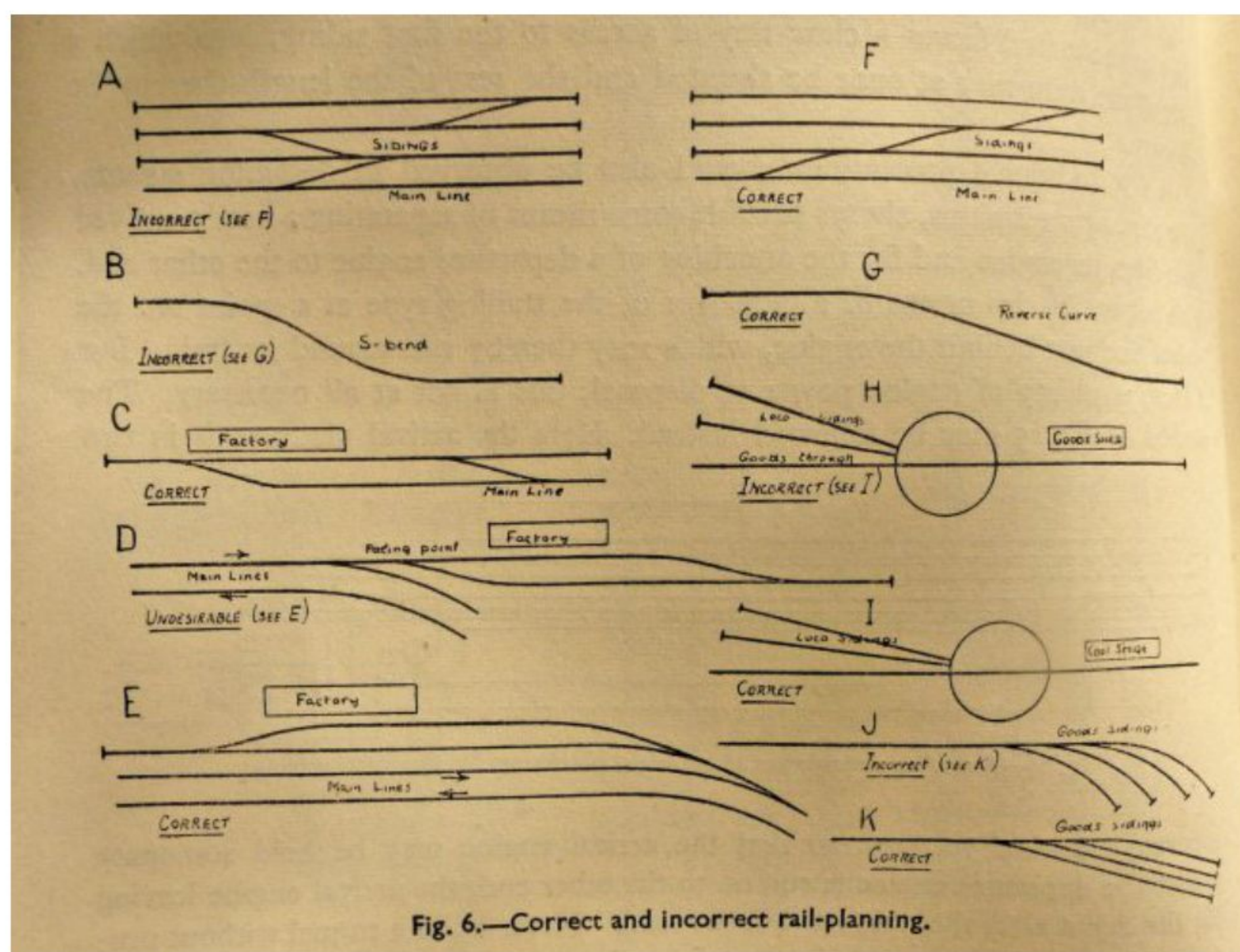


Fig. 6.—Correct and incorrect rail-planning.

I liked this approach of showing you what's right, but also where you can go wrong.

longevity of the book, although many pages were well dog-eared!

"Edward Beal also produced a complementary book, *Modelling the Old-time Railway*, which I have tended to use more in recent times than my original, *Railway Modelling in Miniature*, as my model railway progress concentrated on this specific theme. In it Beal writes: 'The interest in this branch of railway modelling has vastly increased with the passing away of the supremacy of steam power. The very mention of the latter event brings a certain gloom to the heart of the enthusiast and

prompts him to turn again to these former times with an emotion reluctant to be quelled.' "

In places, *Railway Modelling in Miniature* might be a tad old fashioned, but at £4.50 for a slice of modelling and social history I thought it was money well spent, even if you won't glean all you need to know to start off. Now, where are my sheets of cardboard and cutting mat?

Have you got a book that has helped you with your modelling? If so, *RMM* would love to hear your story, email rmmmodellingeditor@mortons.co.uk ■



The completed Bilt-eezi diorama, showing where the station was located on a card platform base. An anticipated car park space (or other development) has been left as black card.

Station for a fiver

Ian Lamb looks at the advantages of Bilt-eezi card kits, which have been in continuous production since after the Second World War.

FOR MANY NEW TO THE HOBBY, THE introduction to model railways was probably via a train set (usually at Christmas). Once the novelty has worn off, and boredom from seeing trains go round and round has set in, the true enthusiast will want to consider how to improve their layout. For most the acquisition of a station complex is likely to be near the top of their list.

Then comes the crunch. Do you simply buy costly standard items 'off-the-shelf' or create a personal model almost 'from scratch'?

The Bilt-eezi sheet costs only around £2.50. This kit is in sheet form and stuck on to card. It is cut out using scissors or a craft knife and folded to shape, reinforced wherever possible to give strength and longevity.

Too many people discard Bilt-eezi sheets as old-fashioned and not very realistic owing to the lack of relief, or feel that they don't have time to construct something that is almost 'from scratch'. As can be deduced, the manufacturer's name is derived from the words 'built easy'; in turn these kits try to live up to that reputation. Their cheapness means that they are well worth considering, especially if you are new to card construction,

or simply looking for a cheap base model that can easily be realistically enhanced.

It is not every day that a complete railway station kit can be acquired on one single sheet, but the Bilt-eezi Series B: No. 1 Country Station does just that. Truly generic in appearance; also contained within the sheet are hoarding references to the four main railway companies of the Grouping (1923-48) giving the modeller the choice of which livery and/or corporate image to identify with. In the immediate postwar years, colour was quite a phenomenon so this company printed its sheets in predominantly basic colours. It also derived a means of creating the impression of depth of field through the use of extreme contrast through black and white lining around doors, windows and down-pipes.

The nature of my modelling, whereby I tend to concentrate on specific settings, is such that inevitably I have to scratch build, but in the process I am quite happy to include elements from commercial kits. There are certain items in this kit that under normal circumstances I would have adapted from the beginning, for instance aesthetically

I feel the chimney stacks are too tall, and the main building itself is all windows with few doors. To avoid the inevitable warping that happens with such thin card, it is advisable to add internal strengtheners.

As always when using glue (and especially with polystyrene cement) make sure that you are working in a well-ventilated location to avoid inhaling dangerous fumes.

Both respective model buildings are now at the same stage, the difference being that the waiting room is simply flat, albeit that internally it has been strengthened to avoid the thin original card from warping. Even with basic enhancement in the way of door and windowsills, the depth of field difference is very obvious. Eventually the three main building units in the kit will be stuck together to form one piece.

Finishing touches include fitting ridge tiles to the roof and constructing drain pipes, the latter of which are simply made from coat hangers or brazing wire cut into 4cm lengths with the clips being made from 1mm strips of self-adhesive labels rolled round the wire several times. The latter are stuck to the wire at 3mm and 3cm intervals from the »



BILT-EEZI

Bilt-eezi card kits have been in continuous production since 1948, and are widely viewed as the inspiration for all later printed card kits, as they utilise high-quality artwork and clear, crisp printing on good material. The basic cut-out-and-fold techniques employed may now seem crude by comparison with more modern offerings, but the design quality still ensures a model of excellent appearance for those prepared to spend a little extra time in construction.



1: (1) Gutters: (2) Canopy styrene strips: (3) Drain pipes: (4) Door frames: (5) Window sills: (6) Window decoration: (7) Roof barge boards: (8) Styrene tube chimneys: (9) Ridge Tiles: (10) Styrene skylight frame.

2: Comparison between enhancement (left) and straightforward Bilt-eezi construction (right). Once you start enhancement there's no limit as to how far you can go. For instance, with walls enhanced the model (left) needs only roof and chimney improvements.

3: This very cheaply made completed waiting room is not just for beginners but can be a very attractive part of a typical country station, especially on a fictitious layout.

4: The skylight framework above the gents' toilet really sets the scene re depth of field and admirably complements the back wall upright post plus the end wall door frames.

5: The roof ventilator box appears a little oversize, but is not too apparent on the overall completed model.



6: Bilt-eezi Series B Sheet 1 Country Station (52 x 32cm).

base. While this down-pipe representation is reasonable, they could be provided ready-made from various retail outlets.

A display base is created as normal from left-over card kit components, utilising a Metcalfe platform top glued to a brick edge piece backed by relevant strengtheners to give overall strong support. Peco Model Scene lampposts are glued in the most relevant position. A quite attractive little suburban/rural halt has been created at almost little or no cost.

The main building is now created showing what can be achieved from a basic card kit.

In effect the model station is now complete as far as the kit is concerned, and simply a case of determining where it will be placed, and what era it should represent. To give the model some focus it has been located on a black (asphalt) card base extending from the platform elements. Fencing and seat have been prepared from Dapol's Platform Fittings pack (Co13), added to the gate, which is the

last main item from the Bilt-eezi kit.

Card fencing could have been made for the purpose, but some scrap plastic lengths were used, and more realistic. In its original form the plastic is rather shiny so a paint job is obviously required. Having already personally decided to identify the waiting room as of Southern Region, the general colour chosen was Humbrol 101 matt green.

At this point in time only one platform length is displayed, one of which is the end ramp. The Peco Model Scene lampposts give added effect to the diorama. With all the strengthening applied in the construction of the main building, the model is much stronger than originally expected. ■

MORE INFORMATION:

If your local model shop does not stock Bilt-eezi kits, they can be purchased direct from Freestone Model Accessories www.freestonemodel.co.uk

Full instructions on how to create this model station can be obtained from the book, *Modelling Railway Stations*, Crowood Press ISBN 9781847979513

RM MODELLING LISTINGS MAY 2017

Compiled by Jon Longman. Send details of your events to RMModellingeditor@mortons.co.uk

MUSEUMS

Open Tuesday to Sunday

Brighton Toy and Model Museum. 52/55 Trafalgar Street, Brighton, West Sussex BN1 4EB. www.brightontoymuseum.co.uk 10am-5pm (Saturday 11am-5pm). See website for admission prices.
Open daily March 26 to October 1 World of Model Railways. Meadow Street, Mevagissey, St Austell, Cornwall. www.model-railway.co.uk 10am-5pm. Adult £4.50, concessions £4, child (5-17) £3.50, family £14. Disabled access.

EXHIBITIONS

APRIL 29

Luton Model Railway Club O Gauge Section Exhibition. Christchurch Hall, Bedford Road, Hitchin SG5 1HF. www.lutonmodelrailwayclub.org.uk 10.30am-5pm. Adult £5, child £2. O gauge layouts, test track and trade support.

APRIL 29

Bluebell Railway Collectors' Fair. Horsted Keynes station, Station Approach, Horsted Keynes, West Sussex RH17 7BB. www.bluebell-railway.co.uk 10am-4pm. Admission by platform ticket, train travel ticket or Bluebell Railway membership card. Railwayana stands and car boot sale in station field.

APRIL 30

Cleveland Model Railway Club Open Day. Unit 2, The B-Hive, Skelton Industrial Estate, Skelton, Cleveland TS12 2LQ. E-mail: enquiries@cleveland-mrc.org.uk Website: www.cmrc.club 10am-4pm. Adults £1, child 50p. Be a member for the day, see the clubroom and talk to members. On show are eight layouts working and under construction from 2mm to 7mm scales, with displays, demonstrations, club sales and tombola stalls. Club hours are 6pm-9pm Tuesdays and Thursdays. Visitors and new members are always welcome. Refreshments, disabled access, parking.

MAY 1

Epsom and Ewell Model Railway Club. Open day. Ruxley Church, Ruxley Lane, West Ewell, Surrey KT19 0JG. www.eemrc.org.uk 11am-5pm. Free. Disabled access. Layouts, demonstrations and chance to meet club members.

MAY 5

Great Eastern Model Railways. 199 Plumstead Road, Norwich NR1 4AB. 'Goes Scenic'. 10am-3pm. Scenic demonstrations, layout advice, static grass demonstration, weathering workshop, modelling the scenery, kit building and detailing.

MAY 6

Billerica Model Railway Group Exhibition. Galleywood Heritage Centre, Galleywood, Chelmsford, Essex CM3 8TR. www.billericaymrg.org 10am-5pm. Adult £5, concessions £4.50, family £11.

Dorset Vintage Toy Train Exhibition. Digby Memorial Hall, Sherborne, Dorset DT9 3NL. 10.30am-4.30pm. Adult £2, child £1. Six vintage layouts.

Hexham Model Railway Show. Torch Centre, Corbridge Road, Hexham NE46 1QS. 10am-4pm. Adult £3, child £1. Disabled access.

Horsham Model Railway Club Exhibition. St Leonard's Church Hall, Cambridge Road, Horsham RH13 5ED. www.horshammrc.org.uk 10am-5pm. Adult £3.50, child £2, family £9. Disabled access. 10 layouts.

Loddon Vale Model Railway Exhibition. Swallowfield Parish Hall, Swallowfield Street, Swallowfield, Reading RG7 1QX. www.lvmrc.co.uk 10am-4.30pm. Adult £4, child £2, family £9. Disabled access. Layouts.

Rickingham Model Railway Show. Diss and District Model Railway Society, Rickingham Village Hall, Rickingham, Diss IP22 1HD. www.rickinghamlvh.onesuffolk.net/events 10am-4pm. Adult £5, child £1. Disabled access. 16 layouts and model traction engine trailer rides.

Hope Methodist Church Model Railway and Bygone Era Exhibition. Rushden Academy, Hayway, Rushden NN10 6AG. 10am-4pm. Adult £5, concessions £4, child £3, family £10. Disabled access. 20 layouts Koln Westbahnhof, Pages Park, The Wagon Works, Bettws Road, Greenford Central, Two Sisters Farm, Aldburgh, Ashley Town, Bastogne Rue De Cleaux, Woodlands, Sankei Kansen, Kilwinnock, Aix en Pain, Webber Heights, Whitwick, Billingham Road, Gariatzella Bahn.

Scarborough Model Railway Show.

Westborough Methodist Church Hall, Westborough, Scarborough YO11 1TS. 10am-4.30pm. Adult £3, accompanied children free. Disabled access. Six layouts.
South West Herts Model Railway Society Exhibition. Queen's School, Aldenham Road, Bushey, Watford WD23 2TY. www.southwesthertsmrs.org.uk 10am-4.30pm. Adult £6, child £3, family £10. Disabled access. 20 layouts.

Stamford Model Railway Show. Stamford Welland Academy, Green Lane, Stamford PE9 1HE. www.mdmrc.org 10am-4.30pm. Adult £5, child £2, family 2+2 £10. Disabled access. Layouts.

Swing Model Railway Society Exhibition. Felpham Community College, Felpham, Bognor Regis PO22 8EL. www.swing.model-railway.org.uk 10am-4.30pm. Adult £5, accompanied child free. Disabled access. 15 layouts.

MAY 6-7

Derby Model Railway Exhibition. The Roundhouse, Roundhouse Road, Pride Park, Derby DE24 8JE. www.mmrg.org.uk Saturday 10am-5pm, Sunday 10am-4.30pm. Adult £7, accompanied child free. More than 70 displays and layouts.

Stourbridge Railway Society Model Railway Exhibition. Bonded Warehouse, Canal Street, Stourbridge, West Midlands DY8 4LU. christopherdyche@hotmail.co.uk Saturday 10am-5pm; Sunday 10am-4.30pm. Adults £3, child/senior citizen £2; family (2+2) £9. The Bonded Warehouse is a Grade II listed building, so wheelchair access is restricted to the basement exhibition area.

MAY 13

Heywood Model Railway Group Open Day. Unit 3, Park Works, River Street, Heywood OL10 4AB. www.hmrg.co.uk 10am-4pm. Admission by donation. Club layouts.
Lutterworth Model Railway Exhibition. Wycliffe Rooms, George Street, Lutterworth, Leics LE17 4ED. www.lutterworthrailwaysociety.co.uk 10am-4.30pm. Adult £5, child £2, family £9. Disabled access. Layouts.

MAY 13-14

EXPO EM Spring 2017. Bracknell Leisure Centre, Bagshot Road, Bracknell RG12 9SE. www.emgs.org Saturday 10.30am-5.30pm; Sunday 10am-4.30pm. Adult £8, EM Gauge Society members £6, child £2, family £16. Disabled access. 12 layouts, lectures, test tracks and demonstrations.

Glenrothes Model Railway Club Exhibition. Lomond Centre, Woodside Way, Glenrothes, Fife KY7 5RE. www.glenrothesmrc.org.uk Saturday 10am-4pm; Sunday 10.30am-4.30pm. Adult £4, concession £3, child £2, family (2+2) £11. Disabled access. Layouts.

Salisbury Model Railway Exhibition 2017. Salisbury & South Wilts Railway Society, Michael Herbert Hall, South Street,

Wilton, Salisbury SP2 0JS. www.sswrs.org.uk 10.30am-4.30pm. Adult £4, child £2, under-5s free. 12 layouts in a variety of scales/gauge. Garden railway open (weather permitting) short walk from hall (see website for details).

Sompting and District Model Railway Club. Sompting Village Hall, West Street, Sompting, West Sussex BN15 0BE. Saturday 10am-5pm; Sunday 10am-4.30pm. Adults £3, child £1.50. 00 and N gauge layouts. Hands-on children's layout.

Yeovil Railway Centre Model Railway Show. GWR Transfer Shed, Yeovil Railway Centre, Yeovil Junction station, Stoford, Yeovil BA22 9UU. www.yeovilrailway.freesevers.com Saturday 10am-4pm; Sunday 10am-4pm. Adult £3, child £1. 13 layouts.

MAY 20

Bloxwich (St John's) Model Railway Exhibition. St John's Methodist Church, Victoria Avenue, Bloxwich, Walsall WS3 3HS. 10am-4.30pm. Adult £4, child £2. Disabled access. 15 layouts.

DD Model Railway Exhibitions.

Southborough Primary School, Broomhill Park Road, Southborough, Kent TN4 0JY. 10am-4.30pm. Free parking.

Ely Model Railway Exhibition. City of Ely Community College, Downham Road, Ely CB6 2SH. 10.30am-4.30pm. www.elymrc.org.uk Adult £5, child £3. Disabled access. 16 layouts, loco clinic and outdoor rides.

Mirfield Model Railway Exhibition. St Mary's Community Centre, Church Lane, Mirfield, West Yorkshire WF14 9HU. 10am-4pm. Adult £4, child £2. 20 layouts.
St Mary's Model Railway Club Exhibition. St Mary's Church Hall, High Road, Benfleet, Essex SS7 5HL. 10am-4pm. Adult £3, accompanied child free. Eight layouts.

Tunbridge Wells Model Railway Exhibition. Great Hall, Southborough Primary School, Broomhill Park Road, Southborough, Tunbridge Wells TN4 0JY. 10am-4.30pm. Adult £5, child £2, family (2+2) £12. Layouts.

MAY 20-21

Four Marks Model Railway Exhibition. Village Hall, Lymington Bottom, Four Marks, Alton, Hants GU34 5AA. Saturday 10am-5pm, Sunday 10am-4pm. Adult £4, child £2, family £10. Layouts.

Kyle Model Railway Club Model Railways and Hobbies Exhibition. Auchenharvie Academy, Stevenston, North Ayrshire KA20 3JW. Saturday: 10am-5pm; Sunday: 10am to 4pm. Adult £4, child/concessions £3, family £11 (2+2). Ample free parking and wheelchair friendly. 15 layouts, demonstrations and traders.

Middlesbrough Model Railway Club Exhibition. Newport Settlement Community Centre, Union Street, Middlesbrough TS1 5NQ. www.mboromrc.com Saturday 10am-5pm; Sunday 10am-4pm. Adult £6, concessions £5, child £4, family (2+2) £12. Disabled access and parking. More than 10 layouts in various gauges.

MRX 2017. Museum of Transport Manchester, Boyle Street, Cheetham Hill, Manchester M8 8UW. www.lydcc.org.uk Saturday 10am-4.30pm; Sunday 10am-4.30pm. Adult £7, concessions £6, accompanied child free. Layouts and demonstrations. Free heritage bus shuttle between museum and Manchester Victoria.

MAY 26-27

First Bangor Model Railway and Hobbies Exhibition. First Bangor Presbyterian Church Hall, Upper Main Street, Bangor, Co Down BT20 4AG. www.firstbangormrc.co.uk Friday 7pm-9.30pm; Saturday 10am-4.30pm. Adult £5, concessions £3, child £2, family (2+2) £10. Disabled access. 20 layouts.

MAY 27

Northolt Model Railway Exhibition.

Northolt Village Community Centre, Ealing Road, Northolt, Middx UB5 6AD. 10.30am to 5pm. Adult £3, children & senior citizens £2, family (2+2) £5. At least eight working layouts of various gauges will be on display. Live steam rides, remote static displays, trade stands and light refreshments. Find out more about the club at www.northolt-mrc.org.uk

Bridlington Model Railway Show.

Christ Church Hall, Quay Road, Bridlington, East Yorkshire YO15 2AP. 10am-4pm, Adult £3, concessions £2.50, child £2. 10 layouts.
St Osyth N Gauge Show. The Village Hall, Clacton Road, St Osyth, Clacton-on-Sea, Essex CO16 8PE. <http://stosythnauge.show.co.uk> 11am-4.30pm. Adults £4, concessions (National Bus Pass holders) £3, child aged 5-16 £2 (under 5s free), family (2+2) £8. Disabled access, 11 N gauge layouts, new and second-hand traders, society stands.

MAY 27-28

Bala Model Railway Show. Ysgol Y Berwyn Secondary School, Bala, Gwynedd LL23 7RL. www.bala-lake-railway.co.uk Saturday 10.30am-5pm, Sunday 10.30am-4.30pm. Adult £4, concession £3.50, accompanied child (maximum two) free. Disabled access. 15 layouts. Free heritage bus between school and Bala Lake Railway.

Brockenhurst Model Railway Exhibition.

Village Hall, Highwood Road, Brockenhurst, Hants SO42 7RY. www.nfmrs.org Saturday 10am-5pm, Sunday 10am-4.30pm. Adult £4.50, child £3, family (2+2) £12. Disabled access. Layouts.

Raillex 2017 Model Railway Exhibition.

Stoke Mandeville Stadium, Stadium Approach, Aylesbury, Bucks HP21 9PP. Saturday 10.30am-5.30pm, Sunday 10am-5pm www.raillex.org.uk Adults £9, child £5, family (2+3) £20. Sunday only - up to two children admitted free with an accompanying adult.

MAY 27-29

Rother Valley Railway Supporters' Association Model Railway Exhibition. Robertsbridge Village Hall, Station Road, Robertsbridge, East Sussex TN32 5DA. 10am-5pm.

JUNE 10-11

Chesterfield Railway Modellers' Peak Model Railway Exhibition. The Agricultural Centre, Bakewell DE45 1AH. 10am-5pm. Adult £5, concessions £4, family £12. 15 working layouts and trade support.

JUNE 11

Corby & District Model Railway Society.

Wilbarston Exhibition. Wilbarston Village Hall, Carlton Road, Wilbarston, Market Harborough, Leicestershire LE16 8QD. 10am-4pm. Adults £4, concessions £3, children £2, family £10.

JUNE 17-18

Gainsborough Model Railway Society.

Florence Terrace, Gainsborough, Lincs DN21 1BE. www.gainsboroughmodelrailway.co.uk 1.30-6pm. Adult £4, concession and child £3, family £10. (O) The East Coast Main Line from Kings Cross to Leeds Central.

Fifth Mere Model Railway Exhibition.

Mere & District Railway Modellers. Mere Lecture Halls, Salisbury Street, Mere BA12 6HA. 10am-4pm. Adult £4, children under 12 enter free if accompanied by an adult. Disabled access, free car parking, refreshments. 12 layouts. Model Boat Building, quality second-hand locomotives and rolling stock, books and garden railways.

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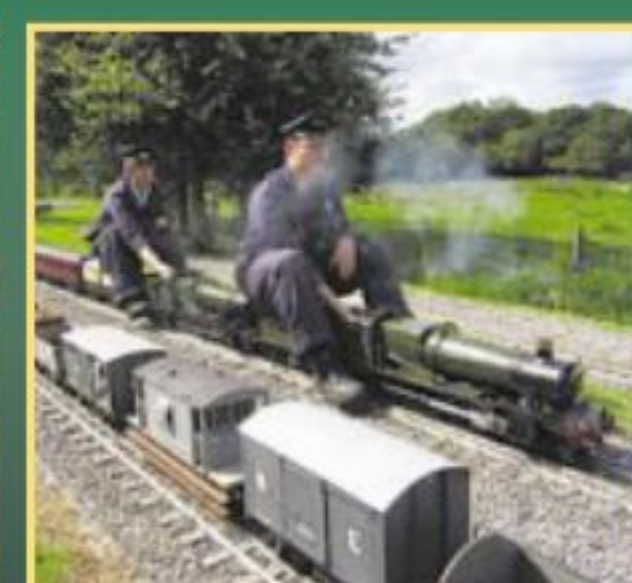
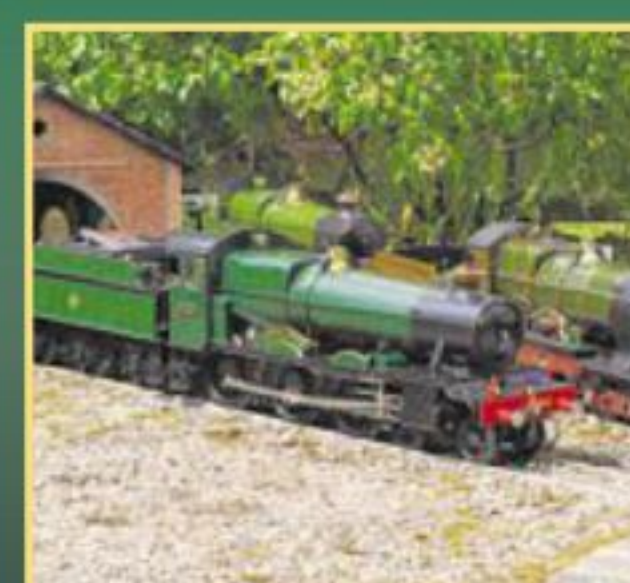


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Pempoul
Exhibited by Gordon & Maggie Gravett
Photograph by Gordon Gravett



Sidmouth
Exhibited by Richard Harper
Photograph by Barry Norman
Courtesy of MRJ



Fence Houses
Exhibited by Bob Jones & The Fence Houses Team
Photograph by Bob Jones

Traders include: 247 Developments, Alan Gibson, ALL Components, AMBIS Engineering, Bill Hudson Transport Books, C&L Finescale Modelling Ltd, CPL Products, Ceynix Railway Trees, Cheltenham Model Centre, Dart Casting, D&E Videos – Realtrack Models – Legomanbiffo, Dragon Models / Minerva Model Railways, Eileen's Emporium, Golden Arrow Productions, Gramodels, Green Scene, High Level, Hobby Holidays, Ian's Trains, Isinglass Models, Judith Edge Kits, Lionheart Trains, London Road Models, M.A.R.C. Models / Electrifying Trains, Model Railways Development, Modelu, N Brass Locos, Parkside Dundas, PenBits Model Railways, Plus Daughters, Quainton Road Models, Radley Models, Replica Railways, Road Transport Images, Roger Carpenter Photographs, Roxey Mouldings, Rumney Models, Severn Models, Shawplan / Extreme Etchings, South Eastern Finecast, Sunningwell Command Control Ltd, Tools 2000, Wild Swan Books Ltd and Wizard Models.

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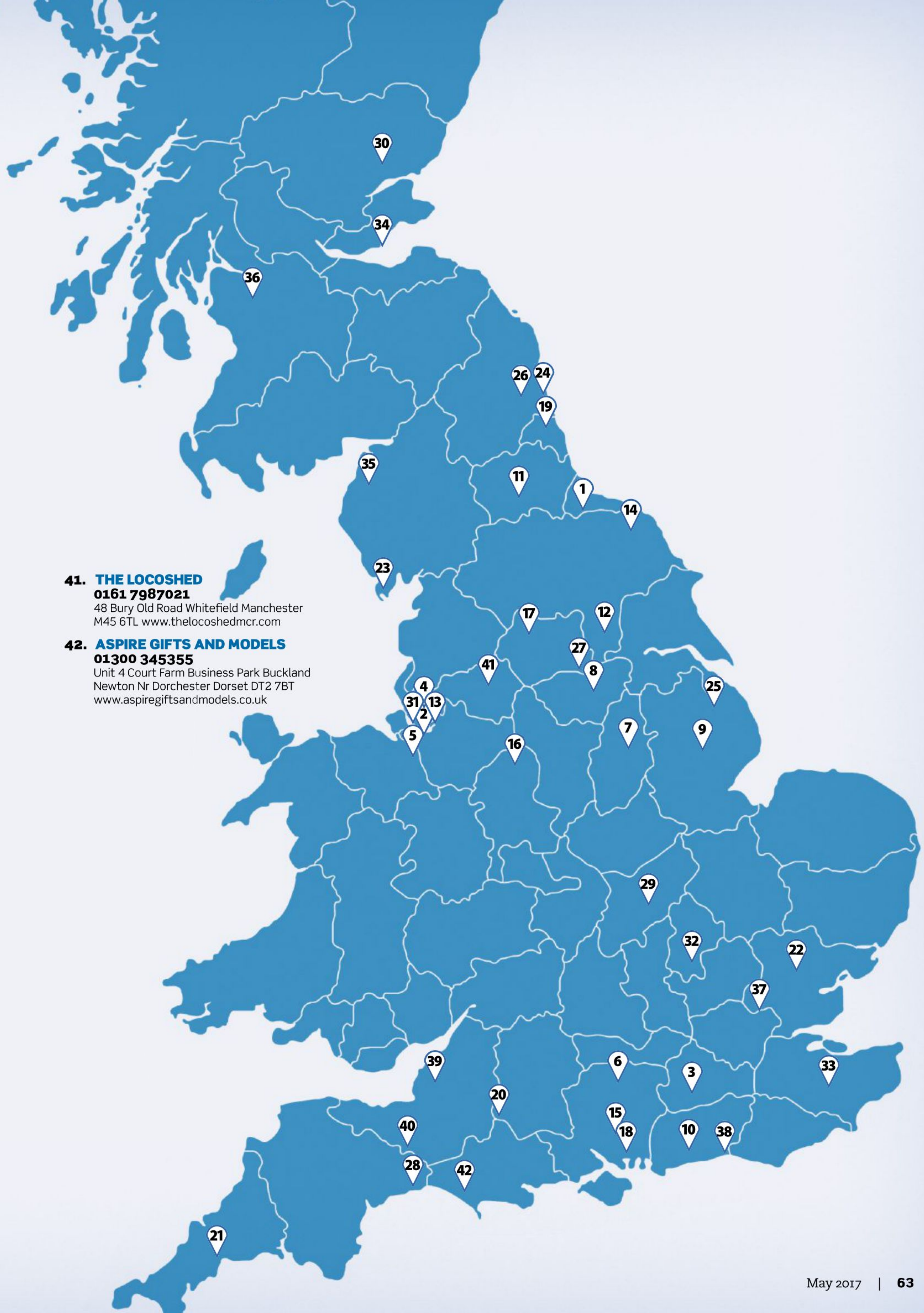
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Organised by: Risborough & District Model Railway Club. Further details at: www.railex.org.uk

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Places *to visit*



Perrygrove Railway

PERRYGROVE IS SET IN 22 acres of ancient woodland and meadow and built around an old farm complex at the edge of the Forest of Dean.

The line takes its inspiration from the work of Arthur Heywood at Duffield Bank and Eaton Hall. The chunky narrow gauge outline of the locomotives and rolling stock lend themselves well to wandering between the old farm buildings in an attractive setting and provide lots of inspiration for the narrow gauge modeller. Their large loading gauge makes fitting

with motors etc an easy task. You don't need a lot of space to model in these larger scales, so it can suit the beginner as well to take on a sensible size of project.

Perrygrove is a very child-friendly attraction; the line runs for $\frac{3}{4}$ mile around the site, climbing the steep banks to the summit station at Oakiron.

There are treehouses, undercover playgrounds and treasure hunts all connected by the railway, making it a truly family attraction. The line climbs steeply at 1-in-29 for long stretches, making the

engines work hard with their three- or four-coach trains.

Unlike many railways, Perrygrove is open all year round at weekends. It also opens daily in school holidays and on Tuesdays from Easter until October half-term, so it's a great place to visit when other lines are shut for maintenance.

The railway has three steam and three diesel locomotives in regular use, with two more steam engines seeing occasional use at special events.

The railway hosts weddings and runs trains to its marquee site at the middle station.

Of special interest to the modeller, the railway also runs Estate Railway Experience Days when you can sample the experience of running your own estate railway. The day combines all the key elements of running a railway, with driving, shunting and traffic planning all playing a role in the day. The line is turned into a giant shunting puzzle to rival even the biggest model railways!

It's a great team activity for up to a dozen people and would suit model railway clubs in particular. ■

Perrygrove Railway, Perrygrove Road, Coleford, Gloucestershire GL16 8QB. Telephone 01594 834991 or visit www.perrygrove.co.uk

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Loddon Vale Model Railway Club, c/o Grazeley Village Hall, MereOak Lane, Grazeley, Berkshire, RG7 1JN,
Marlow Maidenhead & District Model Railway Club, Cox Green Community Centre, 51 Highfield Lane, Maidenhead, Berkshire, SL6 3AX,
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CO DURHAM
Windsock Models, 5-7 Fore Bondgate, Bishop Auckland, Co Durham, DL14 7PF, 01388 603759
Models4Hobby, Unit 13 Avenue 3, Chilton Business Park, Chilton, Durham, Co Durham, DL17 0PB, 01388 417940
Locomotion - The National Railway Museum, Shildon, Co Durham, DL4 1PQ, 01388 777999
North East Model Centre, The Old Chapel, Durham Road, Chester Moor, Durham, Co Durham, DH2 3RJ, 0191 3881128
Head of Steam, Darlington Railway Museum, North Road Station, Darlington, Co Durham, DL3 6ST, 01325 460532
Durham Trains of Stanley, 6 Station Road, Stanley, Co Durham, DH9 0JL, 01207 232545
Connellys Toy Shop, 9-11 The Bank, Barnard Castle, Co Durham, DL12 8PH, 01833 637 396
Beamish, North of England Open Air Museum, Beamish, Co Durham, DH9 0RG, 0191 3704000

CORNWALL
Bodmin & Wenford Railway, General Station, Lostwithiel Road, Bodmin, Cornwall, PL31 1AQ, 01208 73666
Great Western Scale Models, 5 Pentowan Road, Loggans, Hayle, Cornwall, TR27 5AR, 01736 757679
Kernow Model Rail Centre, 98a Trelowarren Street, Camborne, Cornwall, TR14 8AN, 01209 714099
Liskeard Railway Models, Station Road, Liskeard, Cornwall, PL14 4BX, 01579 349950

World of Model Railways, Meadow Street, Mevagissey, Cornwall, PL26 6UL, 01726 842457
Blewetts of Hayle, 19 Penpole Terrace, Hayle, Cornwall, TR27 4BQ, 01736 753012
Falmouth Society of Railway Modellers, c/o The Athenaeum Club, Kimberley Place, Falmouth, Cornwall, TR11 3QL, 01326 312338
Hidden Valley Adventure Park, Tredidon, St Thomas, Launceston, Cornwall, PL15 8SJ, 01566 86463
Koalacaire 69, Pengon, Camborne, Cornwall, TR14 7TR
Lappa Valley Steam Railway, St Newlyn East, Newquay, Cornwall, TR8 5LX, 01872 510317
Launceston Steam Railway, St Thomas Road, Launceston, Cornwall, PL15 8DA, 01566 775665
Mid Cornwall Model Railways, Unit 12 The Market House, Market Street, St Austell, Cornwall, PL25 5QB, 07807 613039
Model Realm, Unit 3b Highfield Road Ind Est, Camelford, Cornwall, PL32 9RA, 01840 214440

CUMBRIA
Lakeside & Haverthwaite Railway Co Ltd, Haverthwaite Station, near Ulveston, Cumbria, LA12 8AL, 01539 531594
Stainmore Railway Co, The East Station, South Road, Kirkby Stephen, Cumbria, CA17 4LA, 01768 371700
C & M Models, 1 Crosby Street, Carlisle, Cumbria, CA1 1DQ, 01228 514689
E Atkinson & Sons Ltd, Promenade Shop, Lake Road, Bowness On Windermere, Cumbria, LA23 3DE, 01539 443047
Crafty Hobbies, 54 Cavendish Street, Barrow in Furness, Cumbria, LA14 1PZ, 01229 820759
Armstrong Ward, 8 Wainwrights Yard, Stricklandgate, Kendal, Cumbria, LA9 4DP, 01539 720400
Broughton Rail, The Post Office, 11 Princes Street, Broughton-in-Furness, Cumbria, LA20 6HQ, 01229 716220
Furness Model Railway Club, c/o The Flat, 1 Dundee Street, Barrow-in-Furness, Cumbria, LA14 2RP, 01229 583595
Harpers Toymaster, 1-2 Middlegate, Penrith, Cumbria, CA11 7PG, 01768 864475
Hadrians Hobbies, Unit 6 The Old Brewery, Craw Hall, Brompton, Cumbria, CA8 1TR, 07962 177904
Jacksons Models & Railways, 33 New Street, Wigton, Cumbria, CA7 9AL, 016973 42557

DERBYSHIRE
Ecclesbourne Valley Railway Association, Wirksworth Station, Station Road, Coldwell Street, Wirksworth, Derbyshire, DE4 4FB, 01629 823076
Malc's Models, 2-4 Pelham Street, Ilkeston, Derbyshire, DE7 8AR, 07786 896807
Midland Railway Trust Ltd, Butterley Station, Ripley, Derbyshire, DE5 3QZ, 01773 747674
Mount Tabor Models, Scarthin, Cromford, Matlock, Derbyshire, DE4 3QF, 01629 822294
TTCDiecast (Derby), 107 Nottingham Road, Derby, Derbyshire, DE1 3QR, 01332 343943
WD Models, 25-27 Chatsworth Road, Chesterfield, Derbyshire, S40 2AH, 01246 208244
Barrow Hill Roundhouse Railway Centre, Campbell Drive, Barrow Hill, Chesterfield, Derbyshire, S43 2PR, 01246 472450
Peak Rail PLC, Matlock Station, Matlock, Derbyshire, DE4 3NA, 01629 580381
Chesterfield Railway Modellers, c/o 6 Fishponds Close, Wingerworth, Chesterfield, Derbyshire, S42 6SD, 01246 271099
Galactic models, 4 The Strand Arcade, Derby, Derbyshire, DB1 1BQ, 01332 344033
Galactic Models, 3-4 The Strand Arcade, Sadler Gate, Derby, Derbyshire, DE1 1BQ, 01332 344033
Historical Model Railway Society, Museum & Study Centre, Midland Railway Centre, Butterley Railway Station, Ripley, Derbyshire, DE5 3QZ, 01773 745 959
Belper Model Railway Group, c/o Strutts Community Centre, Derby Road, Belper, Derbyshire, DE56 1UU,
Clay Cross Model Railway Society, Clay Cross Central Mehodist Church, High Street, Clay Cross, Chesterfield, Derbyshire, S45 9DZ
Edinburgh Wool Mill (Matlock), Masson Mills Shopping Village, Derby Road, Matlock, Derbyshire, DE4 3PY, 01629 760208
Golden Valley Light Railway, Butterley Station, Ripley, Derbyshire, DE5 3QZ, 01773 747674
Loughborough Model Centre, 107 Nottingham Road, Derby, Derbyshire, DE1 3QR, 01332 343943

Wheelbase Models, 21 Market Place, Bolsover, Chesterfield, Derbyshire, S44 6PN, 01246 767876

DEVON
The Model Shop Exeter, 4 St David's Hill, Exeter, Devon, EX4 3RG, 01392 421906
Antics (Plymouth), 30 Royal Parade, Plymouth, Devon, PL1 1DU, 01752 221851
Exmouth Model Railway, Queens Drive, Exmouth, Devon, EX8 2AY, 01395 278383
Bekra Models, 91 Queen Street, Newton Abbot, Devon, TQ12 2BG, 01626 334884
Buffers Model Railway Ltd, Colston Cross, Axminster, Devon, EX13 7NF, 0129 735557
Peco Model Shop, Underleys, Beer, Seaton, Devon, EX12 3NA, 01297 21542
Shady Lane, 11 Grenville Street, Bideford, Devon, EX39 2EA, 01237 238872
Dartmoor Railway, Okehampton Station, Station Road, Okehampton, Devon, EX20 1EJ, 01837 55164
Antics, 86 Cornwall Street, Plymouth, Devon, PL1 1LR, 01752 221851
Anything Narrow Gauge, Shop 2 Holsworthy Market Parade, Holsworthy Square, Holsworthy, Devon, EX22 6DL, 01409 259009
Austins of Newton Abbot, 6 Courtenay Street, Newton Abbot, Devon, TQ12 2DU, 01626 333444
Collett's Model Trains, 6B Albion Street, Exmouth, Devon, EX8 1JL, 01395 224608
Dart Valley Railway, Queens Park Station, Torbay Road, Paignton, Devon, TQ4 6AF, 01803 555872
Devon Railway Centre, The Station, Bickleigh, near Tiverton, Devon, EX16 8RG, 01884 855671
Ilfracombe Model Railway Society, Forresters Hall (above W M Pearce), 5 Wilder Road, Ilfracombe, Devon, EX34 8BN
Lynton & Barnstaple Railway, Woody Bay Station, Martinhoe Cross, Parracombe, Devon, EX31 4RA, 01598 752795
Mainly Miniatures, 83 Middle Street, Brixham, Devon, TQ5 8EJ, 01803 882555

DORSET
Platform Models, Unit 1, 10-12 Alder Hills, Poole, Dorset, BH12 4AL, 01202 798068
Swanage Railway, Station House, Swanage, Dorset, BH19 1HB, 01929 475204
Redlands Models, 71 Greenway Road, Redlands, Weymouth, Dorset, DT3 5BD, 01305 812183
Scale Link Ltd, Unit 27 Applins Farm Business Centre, Farrington, Dorset, DT11 8RA, 01747 811817
Bournemouth Model Railway Centre, 329-331 Holdenhurst Road, Bournemouth, Dorset, BH8 8BT, 01202 309872
Howleys Toy Master, 5 Frederick Place, Weymouth, Dorset, DT4 8HQ, 01305 779255
Christchurch Model Railway Club, 8 Belvedere Road, Christchurch, Dorset, BH23 1PT, 01202 486802
Dorchester Toymaster, 25 South Street, Dorchester, Dorset, DT1 1BY, 01305 261152
East Dorset Area 'N' Gauge Group, c/o 3 Riggs Garden, Bournemouth, Dorset, BH11 8QZ, 01202 546679
Aspire Gifts & Models, Unit 9 Court Farm Business Park, Buckland Newton, Dorchester, Dorset, DT2 7BT, 01300 345355
F Herring & Sons, 27 High West Street, Dorchester, Dorset, DT1 1UP, 01305 267917
Frank Herring & Sons, 27 High West Street, Dorchester, Dorset, DT1 1UP, 01305 264449
Frost & Co Ltd, 34 West Street, Bridport, Dorset, DT6 3QP, 01308 422271
Beales (Bournemouth), 36 Old Christchurch Road, Bournemouth, Dorset, BH1 1LJ, 01202 552022
Beales (Poole), The Dolphine Centre, Poole, Dorset, BH15 1SQ

EAST SUSSEX
Train Times, 37 Seaside, Eastbourne, East Sussex, BN22 7NB, 01323 722026
Bluebell Railway, Sheffield Park Station, Sheffield Park, Uckfield, East Sussex, TN22 3QL, 01825 720803
Classic Rail, 30 High Street, Ticehurst, Wadhurst, East Sussex, TN5 7AS, 01580 200400
Silverhill Models & Toys, 383 London Road, St Leonards on Sea, East Sussex, TN37 6PA, 01424 431133
The Hobby Box, 121 High Street, Uckfield, East Sussex, TN22 1RN, 01825 765296
Brighton Model Railway Club, c/o London Road Station, Shaftsbury Place, Brighton, East Sussex, BN1 4QS, 01273 771929



« **Hastings & St Leonards Model Railway Club**, c/o Baldslow Memorial Hall, Harrow Lane, St Leonards on Sea, East Sussex, TN37 7PR, 01424 753684
Hobby Box Models LTD, 121 High Street, Uckfield, East Sussex, TN22 1RN, 01825 765296
Crawley Model Railway Society, c/o Bluebell Railway, Sheffield Park Station, Uckfield, East Sussex, TN22 3QL, 01403 255712
Gravesend Railway Enthusiasts' Society, Lewes, East Sussex, BN7 1DR
Eastbourne Miniature Steam Railway, Lottbridge Drove, Eastbourne, East Sussex, BN23 6QJ

EAST YORKSHIRE

53A Models, 430 Hessle Road, Hull, East Yorkshire, HU3 3SE, 01482 227777
Bridlington (Area) Railway Modellers & Train Enthusiasts' Society, Barmates, Bridlington Railway Station, Station Approach, Bridlington, East Yorkshire, YO15 3EP, 01262 603309
Croppers Models, 17 Landsdowne Road, Bridlington, East Yorkshire, YO15 2QU, 01262 677231

ESSEX

Clacton Art & Craft Centre, 93 Pier Avenue, Clacton on Sea, Essex, CO15 1QE, 01255 436346
Flair Rail, Unit 7 Springfield, Nursery Estate, Burnham on Crouch, Essex, CMo 8TA, 01621 786198
Plus Daughters, 8 Britannia Court, Burnt Mills Ind Est, Basildon, Essex, SS13 1EU, 01268 726211
John Dutfield Model Railways, Wards Yard, 133 Springfield Park Road, Chelmsford, Essex, CM2 6EE, 01245 494455
Mankim Models, 213 Shrub End Road, Colchester, Essex, CO3 4RN, 01206 574929
Marquee Models, Unit 71 The Harvey Centre, Harlow, Essex, CM20 1XS, 01279 423334
Roneo Models, 32 Roneo Corner, Hornchurch, Essex, RM12 4TN, 01708 442836
Colchester A1 Models, 64 London Road, Colchester, Essex, CO3 4DF, 01206 572094
Colchester & District Model Railway Club, c/o The Clubhouse, Armoury Farm, Armoury Road, West Bergholt, Essex, CO6 3JP, 01376 570156
Argosy Toys, 553 London Road, Westcliff-on-Sea, Essex, S5o gLJ, 01702 346806
Braintree & Halstead Model Railway Club, c/o East Anglian Railway Museum, Chapple & Wakes Colne Station, Wales Colne, Essex, CO6 2DS, 01787 222920
Chelmsford Model Railway Club & Mangapps Railway, c/o Mangapps Railway Museum, Southminster Road, Burnham-on-Crouch, Essex, CMo 8QG, 01277 225206
Colne Valley Railway, Castle Hedingham, Essex, CO9 3DZ, 01787 461174
East Anglian Railway Museum, Chappel & Wakes Colne Station, Wakes Colne, Essex, CO6 2DS, 01206 242524
Epping Ongar Railway, Station House, High Street, Ongar, Essex, CM5 9BN, 01277 365200
Flair Depot Mk 2, Manor Garden Centre, Pound Lane, Bowers Giffird, Basildon, Essex, SS13 2JS, 01268 725556
G F C Models, 2 Milton Road, Brentwood, Essex, CM14 5ED, 01277 219254
B & M Cycles, 13 High Street, Brentwood, Essex, CM14 4RG, 01277 214342
Ilford & West Essex Model Railway Club, Romford, Essex, RM2 6BS
Mangapps Railway Museum, Southminster Road, Burnham on Crouch, Essex, CMo 8QQ, 01621 784898
Modula Layouts, 19 Tylers Avenue, Billericay, Essex, CM12 oRA, 01277 624741

GLOUCESTERSHIRE

Gloucestershire Warwickshire Steam Railway, The Shop, The Railway Station, Toddington, Gloucestershire, GL54 5DT, 01242 621405
Forest of Dean Models, High Street, Bream, Lydney, Gloucestershire, GL15 6JF, 01594 563054
Antics (Gloucester), 81 Northgate Street, Gloucester, GL1 2AG, 01452 410693
Antics (Stroud), 49 High Street, Stroud, Gloucestershire, GL5 1AN, 01453 764487
Cheltenham Model Centre, 39 High Street, Cheltenham, Gloucestershire, GL50 1DY, 01242 234644
Dean Forest Railway, Norchard, Forest Road, Lydney, Gloucestershire, GL15 4ET, 01594 845840
Bourton Model Railway, Box Bush, High Street, Bourton on the Water, Gloucestershire, GL54 2AN, 01451 820686
Antics (Stonehouse), Unit One, Springfield Business Centre, Stroud Water Business Park, Brunel Way, Stonehouse, Gloucestershire, GL1o 3SX, 01453 825645
Derails, Unicorn House, Market Place, 37 Cole Ford, Gloucester, GL16 8AA, 01594 835692
Garden Railway Centres Ltd, Capel Orchard, London Road, Cheltenham, Gloucestershire, GL52 6UZ, 01242 519770

Gloucester Model Railway Club, Elmscroft Community Centre, Barnwood Road, Gloucester, Gloucestershire, GL2 oRX

HAMPSHIRE

Mid Hants Railway, The Watercress Line, The Railway Station, Alresford, Hampshire, SO24 9JG, 01962 733810
The Magic Toy Box, 210 Havant Road, Drayton, Portsmouth, Hampshire, PO6 2EH, 02392 221307
Fratton Model Centre, 171-173 Fratton Road, Portsmouth, Hampshire, PO1 5ET, 023 928 27117
A C Models, 7 High Street, Eastleigh, Hampshire, SO5o 5LB, 02380 610100
Alton Model Centre, 7a Normandy Street, Alton, Hampshire, GU34 1DD, 01420 542244
Mainly Planes & Trains, 79 Stoke Road, Gosport, Hampshire, PO12 1LR, 02392 581402
Moors Valley Railway, Moors Valley Country Park, Horton Road, Ashley Heath, Ringwood, Hampshire, BH24 2ET, 01425 471415
Ron Lines, 342 Shirley Road, Shirley, Southampton, Hampshire, SO15 3HJ, 02380 772681
The Model Shop, 117 New Road, Portsmouth, Hampshire, PO2 7QS, 02392 653100
Waterlooville Model Centre, 225 Commercial Road, Portsmouth, Hampshire, PO1 4BJ, 023 9217 6367
Wicor Models, 7 West Street, Porchester, Hampshire, PO16 9XB, 023 9235 116o
AC Models, 7-g High Street, Eastleigh, Hampshire, SO5o 5LB, 02380 610100
Church Street Models, 10a Church Street, Basingstoke, Hampshire, RG21 7QE, 01256 358o6o
A.C. Models, 9 High Street, Eastleigh, Hampshire, SO5o 5LF, 02380 610100
Andover Toys, 20 Chantry Way, Andover, Hampshire, SP1o 1LX, 01264 352263
B&D (Collectors) Toys, 2 Beaulieu Road, Dibden Purlieu, Hampshire, SO45 4PT, 023 8o84 455o
Fleet Toys, 195 Fleet Road, Fleet, Hampshire, GU51 3BL, 01252 613949
Garden Rail Outlet, 7 Rosebery Avenue, Hythe, Southampton, Hampshire, SO45 3HA, 023 8o84 o834
Alton Model Railway Group, Alton, Hampshire
Modelling & Gaming Supplies, 28 Cove Road, Farnborough, Hampshire, GU14 oEN, 01252 54o894

HEREFORDSHIRE

Hereford Model Centre, 4 Commercial Road, Hereford, HR1 2BB, 01432 3528o9
Golden Valley Hobbies, Unit 1, Pontrilas Business Park, Pontrilas, Herefordshire, HR2 oAZ, 01981 241237
Martins Models & Crafts, 1o West Street, Leominster, Herefordshire, HR6 BES, 01568 613782
Martins Models Garden Railways, The Forge Hatton Gardens, Kington, Herefordshire, HR5 3RB, 01544 23o777

HERTFORDSHIRE

Hurricane Models, Unit 7 Impresa Park, Pindar Road, Hoddesdon, Hertfordshire, EN11 oDL, 01992 447346
Garden Railway Ltd (Martins Models), 3 Plaw Hatch Close, Bishops Stortford, Hertfordshire, CM23 5BL, 01279 831641
Junction 20 Models, 51 High Street, Kings Langley, Hertfordshire, WD4 9HU, 01923 27o247
Cuthberts Toys, 21a Eastcheap, Letchworth, Hertfordshire, SG6 3DA, 01462 486o3o
Cuthberts Toys, 2 Christopher Place, Upper Dagnell Street, St Albans, Hertfordshire, AL3 5DQ, 01727 838753
KS Models, 19 Middle Row, Stevenage (Old Town), Hertfordshire, SG1 3AW, 01438 746616
Hoddesdon Model & Railway Club, Mill Lane, Broxbourne, Hertfordshire, EN1o 7AX
Felicitations, First Floor, 17 High Street, Harpenden, Hertfordshire, AL5 2RU, 01582 767811

ISLE OF MAN

Track Shack, Unit 4 Olive Court, Ramsey Road, Peel, IM5 1RH, 01624 845977
Model World, 16 St Pauls Square, Ramsey, IM8 1LH, 01624 816o48

ISLE OF WIGHT

Isle of Wight Steam Railway, The Railway Station, Havenstreet, PO3 4DS, 01983 8822o4
Reeds Hobbys, 5 Pier Street, Ventnor, PO38 1ST, 01938 56189
Upstairs Downstairs, 3 Pier Street, Sandown, PO36 8JR, 01983 4o6 616
Fort Victoria Model Railway, Fort Victoria, Westhill Road, Yarmouth, PO41 oRR, 01983 761553

KENT

Romney, Hythe & Dymchurch Railway, New Romney Station, New Romney, Kent, TN28 8PL, 01797 362353
Chalk Garden Rail, 4 Brewhouse Yard, Gravesend, Kent, DA12 2EJ, 01474 351672
Manklows, 44 Seal Road, Sevenoaks, Kent, TN14 5AR, 01732 454952
Model World, Unit 1 Anchor Business Park, Castle Road, Sittingbourne, Kent, ME1o 3AE, 01795 41o63o

Ramsgate Models, 74a Queensgate Street, Ramsgate, Kent, CT11 9ER, 01843 584o73
The Model Shop, 8 Front Road, Woodchurch, Kent, TN26 3QE, 01233 86o0o8
Ashford Model Supply Centre, Unit 23, Ellingham Way, Ashford, Kent, TN23 6NF, 01233 635837
Invicta Model Rail, 13o Station Road, Sidcup, Kent, DA15 7AB, o2o8 3o27774
Kent Garden Railways, 66 High Street, St Mary Cray, Orpington, Kent, BR5 3NH, 01689 891668
Regal Models, The Old School House, The Historic Dockyard, Chatham, Kent, ME4 4TZ, 01634 8388o8
Rochester Games & Models, 21 Corportain Street, Rochester, Kent, ME1 1NN, 01634 815699
The Hobby Shop, 122 West Street, Faversham, Kent, ME13 7JB, 01795 531666
Bexley Model Centre, Broughton House, Iris Avenue, Bexley, Kent, DA5 1HH, o845 2266545
Fenwick (Canterbury), St Georges Street, Canterbury, Kent, CT1 2TB, 01227 766866
Fenwick (Tunbridge Wells), Royal Victoria Place, Tunbridge Wells, Kent, TN1 2SR, 01892 516716
Bredgar & Wormshill Light Railway, The Warren, Bredgar, Sittingbourne, Kent, ME9 8AT, 01622 884254
Dream Steam, Ground Floor Suite, Vanguard House, Mills Road, Aylesford, Kent, ME2o 7NA, o845 o773o07
East Kent Railway, Station Road, Shepherdswell, Dover, Kent, CT13 7PD, 013o4 832o42
Folkestone Hythe & District Model Railway Club, c/o New Broomfield Hall, 29-37 Broomfield Road, Cheriton, Folkestone, Kent, CT19 4DJ, 013o3 239889
HLS Models, Unit 5 Manford Ind Est, Manor Road, Erith, Kent, DA8 2AJ, o747 311 2524
Erith Model Railway Society, 91 Northdown Road, Welling, Kent, DA16 1NU, o2o8 3o6 1768
Beales (Tonbridge), Angel Centre, Angel Lane, Tonbridge, Kent, TN9 1SF, 01732 771177
Faversham Model Railway Club, West Faversham Community Centre, Bysing Wood Road, Faversham, Kent, ME13 7RH, 97931 589o01
Hoo Peninsula Model Railway Club, The Scout Hut, Stoke Road, Hoo St Werburgh, Rochester, Kent, ME3 9DG, o7527 59663o
Hornby Visitor Centre, Westwood Ind Est, Margate, Kent, CT9 4JX, 01843 233524
Kent & East Sussex Railway Company, Tenterden Town Station, Station Road, Tenterden, Kent, TN3o 6HE, o158o 765155
Minnis Bay Hidden Treasures, 137 Minnis Road, Minnis Bay, Birchington, Kent, CT7 9NS, o7724 626o73
Model Baseboards, The Model Shop, 8 Front Road, Woodchurch, Kent, TN26 3QE, 01233 86o0o8

LANCASHIRE
Arcadia Models, 67 Rochdale Road, Shaw, Oldham, Lancashire, OL2 7JT, 017o6 8829o0
Bolton Model Mart, 58 Great Moor Street, Bolton, Greater Manchester, Lancashire, BL1 1SN, 012o4 382282
Conways (West Houghton), 46-48 Market Street, Westhoughton, Greater Manchester, Lancashire, BL5 3AZ, 01942 812398
East Lancashire Railway, Bury Bolton Street Station, Bolton Street, Bury, Lancashire, BL9 oEY, 0161 764779o
Model & Hobby World, 7 Owen Road, Lancaster, Lancashire, LA1 2AW, 01524 843553
Toys 2 Save, 1 Brighton Avenue, Cleveleys, Blackpool, Lancashire, FY5 2AA, 01253 855 9o5
Trains & Diecast, 138a Wright Street, Horwich, Bolton, Lancashire, BL6 7HU, 012o4 669782
Transport Models Ltd, Unit 1 Oyston Mill, Strand Road, Preston, Lancashire, PR1 8UR, 01772 733644
Hobby & Model Centre, 1 Hutton Lane, Bolton, Lancashire, BL3 4JB, 012o4 61446
Topslots N Trains, Mariytime Street, Fleetwood, Lancashire, FY7 7PB, 01253 773731
JPL Models, 129 Elliott Street, Tyldesley, Manchester, Lancashire, M29 8FL, 01942 896138
MJR Models, Hobbies & Accessories, 11 Hindley Road, Daisy Hill, Westhoughton, Bolton, Lancashire, BL5 2JU, 01942 38679o
The Locoshed, 48 Bury Old Road, Whitefield, Manchester, Lancashire, M45 6TL, 0161 772 01o3
Tower Models, 44 Cookson Street, Blackpool, Lancashire, FY1 3ED, 01253 623797 / 623799
West End Model Centre, West End Buildings, 113 Albert Road, Colne, Lancashire, BB8 oBT, 01282 867711
Conways (Blackpool), 19-21 Birley Street, Blackpool, Lancashire, FY1 1EG, 01253 626461
E C Toys, 44 Bond Street, South Shore, Blackpool, Lancashire, FY4 1BQ, 01253 341897
Carnforth Models, Unit 5 Carnforth Station, Warton Road, Carnforth, Lancashire, LA5 9TR, o7986 2522o5
Collectors Toy Shop, 138a Wright Street, Horwich, Lancashire, Lancashire, BL6 7HU, 012o4 669782
Diesel Depot Model Railways, 23 The Crescent, St Annes on Sea, Lancashire, Lancashire, FY8 1SZ, 01253 78o015

F & S Scale Models, 227 Droylsden Road, Audenshaw, Manchester, Lancashire, M34 5RT, 0161 37o 3235
Chorley & District Model Railway Club, c/o 1o1 Carr Lane, Chorley, Lancashire, PR7 3JQ, 01257 41271o
Bury Steam Locomotive Co Ltd, East Lancashire Railway Co Ltd, Bolton Street Station, Bury, Lancashire, BL9 oEY, 0161 7985821
Lancashire & Yorkshire DCC Model Rail Group, Waterside Road, Haslingden, Lancashire, BB4 5EZ
Leigh Models & Hobbies, 527 Bickershaw Lane, Bickershaw, Manchester, Lancashire, WN2 5TU, o783o 839718
Leyland Model Railway Club, Buckshaw Village, Chorley, Lancashire, PR7 7BX
M.J. Racing (Slotcars) Ltd, 11 Hindley Road, Westhoughton, Bolton, Lancashire, BL5 2JU, 01942 38679o
Models and More Ltd, 12 Bridge Street, Darwin, Lancashire, BB3 2HH, 01254 775o93

LEICESTERSHIRE

Great Central Railway, Loughborough, Leicestershire, LE11 1RW, 015o9 632323
The Signal Box, 1 Albion Street, Anstey, Leicester, Leicestershire, LE7 7DD, 0116 236 29o1
Keith's Model Railways, 2 Holyrood Drive, Countesthrope, Leicester, Leicestershire, LE8 5TR, 0116 2778634
Ace Connections Ltd, 23 Market Street, Lutterworth, Leicestershire, LE17 4EJ, 01455 557o52
Scale Model Scenery Ltd, 62 Station Road, Hugglescote, Leicester, Leicestershire, LE67 2GB, 0153o 456952
Acme Model Products, The Shops, 48 Highgate Road, Sileby, Leicestershire, LE12 7oo, 015o9 812177
Fords Oakham Ltd, 8 Church Street, Oakham, Leicestershire, LE15 6AA, 01572 722654
Battlefield Line Railway, The Shackerstone Railway Society, Shackerstone Station, Shackerstone, Leicestershire, CV13 6NW, 01827 88o754
Little Gem Products, Unit 38D Sowters Lane, Burton on the Wolds, Loughborough, Leicestershire, LE12 5AH, 015o9 88o659

LINCOLNSHIRE

Mad About Trains of Gainsborough, 1o6 Trinity Street, Gainsborough, Lincolnshire, DN21 1HS, 01427 811o4o
B & H Models, 7 The Strait, Lincoln, LN2 1JD, 01522 538717
D Hewins Models & Hobbies, 7B East Saint Mary's Gate, Grimsby, Lincolnshire, DN31 1LH, 01472 347o88
GRA's Models, 65 Scotgate, Town Centre, Stamford, Lincolnshire, PE9 2YB, 0178o 751826
Model Railway Shop Grantham, 46 Watergate, Grantham, Lincolnshire, NG31 6PR, 01476 563472
Models & Computers Plus, 55 West Street, Boston, Lincolnshire, PE21 8QN, 012o5 3651o2
RA Models, 182a Ashby High Street, Ashby, Scunthorpe, Lincolnshire, DN16 2JR, o7561 4o9533
Caistor Loco, Ashtree Enterprises, 8 Market Place, Caistor, Market Rasen, Lincolnshire, LN7 6TW, 01472 85999o
Granary Models, 31 High Street, Swineshead, Boston, Lincolnshire, PE2o 3LH, 012o5 82o115
Masons Models, 2o New Road, Spalding, Lincolnshire, PE11 1DQ, 01775 722456
York Model Railway Ltd, Veck House, Helmswell Cliff Business Centre, near Gainsborough, Lincolnshire, DN21 5TJ, 01427 66747o
Digitrains, 15 Clifton Street, Lincoln, LN5 8LQ, 01522 527731
DB Models Ltd, No 4 Wheatsheaf Court, Deeping St Nicholas, Spalding, Lincolnshire, PE11 3TH, 01775 63o479 / o7723 336344
A Part Toys & Models, Room 11 Welland Stationers, Cherryholt Road, Stamford, Lincolnshire, PE9 2EP, o87o1 424224
Angel Cottage Supplies - K&M TREES, 4 Brewery Lane, Carlton le Moorland, Lincoln, Lincolnshire, LN5 9HZ, o7824 335583
Ashtree Enterprises/Caistor Loco, 8 Market Place, Caistor, Lincolnshire, LN7 6TW, 01472 85999o
Fraction Models, 1o Roman Bank, Skegness, Lincolnshire, PE25 2RU, 01754 76o077
Gainsborough Model Railway Society, Florence Terrace, Gainsborough, Lincolnshire, DN21 1BE, 01427 615871
Classic, 138 Grimsby Road, Cleethorpes, Lincolnshire, DN35 7DN, 01472 291934
Cleethorpes Coast Light Railway, Lakeside Station, Kings Road, Cleethorpes, Lincolnshire, DN35 oAG, 01472 6o4657
Cleethorpes Model Railway Society, Grimsby, Lincolnshire, DN34 5TG
Lincolnshire Wolds Railway, Ludborough Station, Station Road, Ludborough, Lincolnshire, DN36 5SQ, 015o7 363881

LONDON

London Transport Museum, Covent Garden Piazza, London, WC2E 7BB, 020 7379 7310

Ian Allan Bookshop & Model Shop, 45-46 Lower Marsh, Waterloo, London, SE1 7RG, 0207 401 2100

E F Russ, 101 Battersea Rise, Battersea, London, SW11 1HW, 020 7228 6319

Northfields Model Shop, 217 Northfield Avenue, Ealing, London, London, W13 9QU, 078 064 711 73

James Trains, 35 London Road, Tooting, London, SW17 9JR, 020 8640 1569

Fenwicks (Brent Cross), Brent Cross Shopping Centre, Brent Cross, London, NW4 3FN ,

Hannants London, Unit 2 Hurricane Trading Estate, Graeme Park Way, Collindale, London, NW9 5QW, 0208 205 6697

London Model Railway Club, Keen House, 4 Calshot Street, London, N1 9DA

Hillingdon Railway Modellers, Yiewsley Church Hall, Fairfield Road/Cobham Avenue, West Drayton, London, UB7 8HF

Fagins Toys, 84 Fortis Griffin Road, Muswell Hill, London, N10 3HN, 020 844 0282

MERSEYSIDE

Kitstop Models, 20 Oxton Road, Birkenhead, Merseyside, CH41 2QJ, 0151 647 9067

DKG Hobbies, 14 Princes Street, Southport, Merseyside, PR8 1EZ, 01704 500630

Formby Model & Hobby Scene, 77-79 Gores Lane, Formby, Merseyside, L37 7DE, 01704 870432

Sawyer Models, 27 Bridge Street, Earlestown, Newton-Le-Willows, Merseyside, WA12 9BE, 01925 227 835

D.K.G. Hobbies/Hobby Scene, 14 Princes Street, Southport, Merseyside, PR8 1EZ, 01704 500630

Liverpool Model Railway Society, County Methodist Church, Ludlow Street, Liverpool, Merseyside, L4 3RH

MIDDLESEX

Enfield Town Model Railway Club, St Paul's Centre, 102 Church Street, Enfield, Middlesex, EN2 6PR, 01992 639361

Jennings Models, 5 Alberta Road, Enfield, Middlesex, EN1 1JA, 0208 882 7679

NORFOLK

Hobbies, Units 8b-11 The Ravingham Centre, Ravingham, Norwich, Norfolk, NR14 6NU, 01508 549330

Train Terrain Models, 199 Plumstead Road, Norwich, Norfolk, NR1 4AB, 01603 304379

Great Eastern Railway Models, 199 Plumbstead Road, Norwich, Norfolk, NR1 4AB, 01603 431457

Hunstanton Models, 36 High Street, Hunstanton, Norfolk, PE36 5AF, 01485 533324

Buoys Toys and Models, 30 Louden Road, Cromer, Norfolk, NR27 9EF, 01263 519652

Bure Valley Models, Aylsham Station, Norwich Road, Aylsham, Norfolk, NR11 6BW, 01263 733858

Mid Norfolk Railway, Dereham Station, Station Road, Dereham, Norfolk, NR19 1DF, 01362 690633

Association of Larger Scale Railway Modellers, 8 Ffolkes Place, Runcton Holme, Kings Lynn, Norfolk, PE33 0AH ,

Auto-Loco, 10 Station Road, Sheringham, Norfolk, NR26 8RG, 01263 821777

Hobbies, Units 8b-11 The Ravingham Centre, Ravingham, Norwich, Norfolk, NR14 6NU, 01508 549330

JPM Balsa, Unit 2 Archway Shopping Centre, Stalham, Norfolk, NR12 9AZ, 01692 581862

Langleys Toys, 12-14 Royal Arcade, Norwich, Norfolk, NR2 1NQ, 01603 621959

NORTH YORKSHIRE

Monk Bar Model Shop, 2 Goodramgate, York, North Yorkshire, YO1 7LQ, 01904 659423

P & S Hobbies & Models, 32 Castle Road, Scarborough, North Yorkshire, YO11 1XE, 01723 377020

Starbeck Models, 16 Devonshire Place, Harrogate, North Yorkshire, HG1 4AA, 01423 507089

The Model Centre & Custom Finish Locomotives, Hill Farm, Beckhole, Whitby, North Yorkshire, YO22 5LF, 01947 896040

The Toy & Book Warehouse, Rear of 9 Market Place, Pickering, North Yorkshire, YO18 7AA, 01751 474672

The Train Shop, 41 Eastborough, Scarborough, North Yorkshire, YO11 1NH, 01723 354019

White Rose Modelworks, Unit 10 Bedale Station, Bedale, North Yorkshire, DL8 1BZ, 01677 422444

Buffers, Backoth Hill Farm, Storiths, Bolton Abbey, Skipton, North Yorkshire, BD23 6HU, 01756 710253

North Yorkshire Moors Railway, Pickering Station, Pickering, North Yorkshire, YO18 7AJ, 01751 473799

Ellis Clark Trains, Unit 1 Toller Court, Shortbank Road, Skipton, North Yorkshire, BD23 2HG, 01756 701451

Monkbar Model Shop, 2 Goodramgate, York, North Yorkshire, YO1 7LQ, 01904 659423

Fenwick (York), Coppergate Centre, York, North Yorkshire, YO1 gWY, 01904 643322

Harrogate Models, 67 Leeds Road, Harrogate, North Yorkshire, HG2 8BE, 01423 871 364

Craven Model Centre, Unit 3 Mount Pleasant, High Street., Skipton, North Yorkshire, BD23 1JZ, 01756 794919

Embsay & Bolton Abbey Steam Railway, Yorkshire Dales Railway Museum Trust, Bolton Abbey Station, Skipton, North Yorkshire, BD23 6AF, 01756 710614

Embsay Steam Railway Trading Co Ltd, Embsay Station, East Lane, Embsay, Skipton, North Yorkshire, BD23 6QX, 01756 794727

Claridges, 9 Church Street, Helmsley, North Yorkshire, YO62 5AD, 01439 770401

National Railway Museum, Leeman Road, York, North Yorkshire, YO26 4XJ, 01904 686240

Edinburgh Woolen Mill (Settle), Langcliffe Road, Settle, North Yorkshire, BD24 9LR, 01729 825539

Grosmont Book Shop, Front Street, Grosmont, North Yorkshire, YO22 5QE, 01947 895170

Modeltrains4U, 2 Sawyers Crescent, York, North Yorkshire, YO23 3YA, 08000 431174

NORTHAMPTONSHIRE

The Model Shop, 230 Wellinborough Road, Northampton, Northamptonshire, NN1 4EJ, 01604 631223

Wellingborough Trains & Models, 26 Market Street, Wellingborough, Northamptonshire, NN8 1AT, 01933 274069

A & H Models Ltd, 95 High Street., Brackley, Northamptonshire, NN13 7BW, 01280 701410

Daventry Model Railway Club, Unit 10 Austin Way, Royal Park Ind Est, Daventry, Northamptonshire, NN11 8QY, 07773 275428

H & A Models, 19 Keats Way, Higham Ferrers, Northamptonshire, NN10 8DQ, 01933 355531

A&H Models Ltd, 95 High Street, Brackley, Northamptonshire, NN13 7BW, 01280 701410

Irchester Narrow Gauge Railway Museum, Irchester Country Park, Wellingborough, Northamptonshire, NN8 2EH, 01400 261043

MP Models UK, Unit S6 Moulton Business Centre, Redhouse Rd, Northampton, NN3 6AQ, 07837 497368

NORTHUMBERLAND

Trains & Planes Ltd, Unit 19b Airport Industrial Estate, Kingston Park, Newcastle Upon Tyne, Northumberland, NE3 2EF, 0191 286 4175

Collectors Cellar, 11 Hencotes, Hexham, Northumberland, NE46 2EQ, 01434 601392

J & J Models, 1 Packhorse Buildings, Newgate St, Morpeth, Northumberland, NE61 1AW, 07792 925181

Aln Valley Railway Trust, Lionheart Railway Station, Lionheart Enterprise Park, Alnwick, Northumberland, NE66 2EZ ,

Bowes Railway, Springfield Village, Gateshead, Tyne & Wear, Northumberland, NE9 7QJ ,

Alnwick Model Railway Club, Old Village Hall, Rock, Alnwick, Northumberland, NE66 3SE

NOTTINGHAMSHIRE

MB Models, 32 Conery Gardens, Whatton, Nottinghamshire, NG13 9FD, 01949 850063

Access Models, 43/45 Castlegate, Newark, Nottinghamshire, NG24 1BE, 01636 673116

D J & F Benham of Edwinstowe, 45 High Street, Edwinstowe, Nottinghamshire, NG21 9QR, 01623 822302

Gee Dee Models, 21 Heathcote Street, Nottingham, Nottinghamshire, NG1 3AF, 0115 9412211

Geoffrey Allison Railways, 90 Cheapside, Worksop, Nottinghamshire, S80 2HY, 01909 473255

Sherwood Models, 831 Mansfield Road, Nr Daybrook, Nottingham, Nottinghamshire, NG5 3GF, 0115 9266290

The Goods Yard, Station Lodge, Lodge Lane Ind Est, Tuxford, Nottinghamshire, NG22 0NL, 07930 557601

OXFORDSHIRE

Chinnor & Princes Risborough Railway Assoc, Chinnor Station, Station Approach, Station Road, Chinnor, Oxfordshire, OX39 4ER

Didcot Railway Centre, Station Road, Didcot, Oxfordshire, OX11 7NJ, 01235 817200

Bicester Toys & Nursery Ltd, 66/68 Sheep Street, Bicester, Oxfordshire, OX26 6JW, 01869 323946

Cholsey & Wallingford Railway Preservation Society, 5 Hithercroft Road, Wallingford, Oxfordshire, OX10 9GQ, 01491 835067

Dentons Cycles & Toys, 1 High Street, Whitney, Oxfordshire, OX28 6HW, 01993 704 979

Tinders, 56-59 Broad Street, Banbury, Oxfordshire, OX16 5BL

Banbury & District Model Railway Club, Cherwell Business Park, Southam Road, Banbury, Oxfordshire, OX16 2SP, 01295 252931 / 01295 250463

Howes Models Ltd, Unit 2c/d Station Field Ind Est, Rowles Way, Kidlington, Oxfordshire, OX5 1LA, 01865 848000

SCOTLAND

Alva Motor Factors Ltd, 31 Mill Street, Alloa, FK10 1DT, 01259 723033

Sports & Model Shop, 66 High Street, Dingwall, IV15 9RY, 01349 862346

Strathspey Railway Company, Aviemore Station, Dalfaber Road, Aviemore, PH22 1PY, 01479 810725

The Hamilton Toy Collection, 111 Main Street, Callander, FK17 8BQ, 01877 330004

Wildcat Models, 251 Dumbarton Road, Glasgow, G11 6AB, 0141 3345599

Inverness Model Shop, 16 Victorian Market, Queensgate Arcade, Inverness, IV1 1PJ, 01463 712448

Mackenzie Models, Quarryside, Duncansby Head Road, John O'Groats, KW1 4YS, 01955 611210

Mac's Model Railroading, 4-8 Reform Street, Kirriemuir, Angus, DD8 4BS, 01575 572397

Waddell's Models, 56 Bell Street, Merchant City, Glasgow, G1 1LQ, 0141 5528044

Wickness Models, 6 Greenlea Crescent, Collin, Dunfries & Galloway, DG1 4PR, 07920 407724

Wonderland Models, 97-101-103 Lothian Road, Edinburgh, EH3 9AN, 0131 229 6428

Harburn Hobbies, 67 Elm Row, Leith Walk, Edinburgh, EH7 4AQ, 0131 556 3233

Invergowrie Model Centre, 118 Main Street, Invergowrie, Dundee, DD2 5BE, 01382 561064

McLaren Models, 155 Grahams Road, Falkirk, FK2 7BQ, 01324 624102

Models Unlimited, 2 North Street, Inverurie, AB51 4QR, 01467 672277

Modelzone at WH Smith, 177 Sauchiehall Street, Sauchiehall, Glasgow, G2 2ER, 0141 331 2833

Pastimes (Glasgow), 126 Maryhill Road, St Georges Cross, Glasgow, G20 7QS, 0141 3311008

Uddingston Model Centre, 161 Main Street, Uddingston, Glasgow, G71 7BP, 01698 813194

Dumfries & District Model Railway Club, Lockerbie Railway Station, Station House, Lockerbie, DG11 2HA ,

Dundee Model Railway Club, 2-4 Huntly Square, Craigie, Dundee, DD4 7SX,

01382 644342 / 07776 011601

Edinburgh & Lothians Model Railway Club, 47 Long Crook, South Queensferry, EH30 9XR

Durrans, 2 St Johns Square, Thurso, Caithness, KW14 7AN, 01847 893169

Ayrshire Model Centre, 41 Kyle Street, Ayr, KA7 1RS, 01292 886614

Bo'ness & Kinneil Railway - The Scottish Railway Preservation Society, Bo'ness Station, Union Street, Bo'ness, West Lothian, Scotland, EH51 9AQ

Falkirk Model Railway Club, Unit 5 Redding Ind Est, Falkirk, Scotland, FK2 9TT

The Model Warehouse, 5 Badentoy Place, Portlethen, Aberdeen, Scotland, AB12 4YF,

01224 784799

Elgin Model Railway Club, Elgin, Moray, IV30 4JT

WH & MR Model Railways, Elgin Mart (Saturdays), New Elgin Road, Elgin, Moray, IV30 6BE,

01343 543243

Scoonie Hobbies, 87 St Clair Street, Kirkcaldy, Fife, KY1 2NW, 01592 6517

Country Toys, 66 High Street, Annan, DG12 6DL, 01461 207890

Cupar & District Model Railway Club, The Old Theatre Block, Castle Hill Centre, Cupar, KY15 4HA

Keith & Dufftown Railway, Dufftown Station, Banffshire, Scotland, AB55 4BA, 01542 831295

Kilmarnock & District Model Railway Club, 14 Pine Road, Kilmarnock, Scotland, KA1 2EZ

Leadhills & Wanlockhead Railway, The Station, Leadhills, Lanarkshire, ML12 6XP

Marionville Models, 42 Turnhouse Road, Maybury, Edinburgh, EH12 8LX, 0131 3177010

SHROPSHIRE

Severn Valley Railway, The Railway Station, Hollybush Road, Bridgnorth, Shropshire, WV16 5DT, 01746 765801

Classic Railway Models, 62 Whitburn Street, Bridgnorth, Shropshire, WV16 4QP, 01746 769009

Antenociti's Workshop Ltd, 5 Hebron Close, Clive, Shrewsbury, Shropshire, SY4 5QT, 01939 220498

Cambrian Heritage Railways, Old Station Buildings, Oswald Road, Oswestry, Shropshire, SY11 1RE, 01691 671749

Ellesmere Model Railway Club, Criftings Village Hall, Dudleston Heath, Ellesmere, Shropshire, SY12 9LQ

Modelscape, Unit 8b-8c Rodenhurst Business Park, Shrewsbury, Shropshire, SY4 4QU, 01952 771115

SOMERSET

East Somerset Models, The Railway Station, Cranmore, Shepton Mallet, Somerset, BA4 4QP

Frome Model Centre, 1-2 Catherine Street, Frome, Somerset, BA11 1DA, 01373 465295

Model Masters, International House, 50a Clifton Road, Weston-super-Mare, Somerset, BS23 1BW,

01934 629717

Signals Model Shop, 8 Holly Court, High Street, Midsomer Norton, Somerset, BA3 2BD,

01761 402484

West Somerset Railway, The Buffer Stop,

The Railway Station, Minehead, Somerset, TA24 5BG, 01643 700387

Denners, 23-25 High Street, Yeovil, Somerset, BA20 1RU, 01935 444444

Eric Snook Ltd, 22-24 Union Passage, Bath, Somerset, BA1 1RD, (01225) 464914

Bridgwater Model Railways, Bridgwater Railway Station, St John Street, Bridgwater, Somerset,

TA6 5HB, 01278 427646

DCC Train Automation, Unit 4, The Court Yard, Bowdens Farm, Hambridge, Taunton, Somerset,

TA10 0BP, 01823 429309

East Somerset Railway, Cranmore Railway Station, Cranmore, Shepton Mallet, Somerset, BA4 4QP,

01749 880417

G W Hurley, 27-29 High Street, Burnham on Sea, Somerset, TA8 1PA, 01278 789281

Bath Railway Society, St Mary's Church Hall, Darlington Street, Bathwick, Bath, Somerset,

BA2 4EB

Burnham & District Model Railway Club, Community Centre, Berrow Road, Burnham on Sea, Somerset, TA8 2ET

Hollylovestoys Ltd, 27 Mayflower Court, Highbridge, Somerset, TA9 3BQ, 01278 785925

Jadlam Racing Models, The Firs Underwood Business Park, Wells, Somerset, BA5 1AF,

01749 671809

Loco Notion Models, 88 Meadow Street, Weston Super Mare, Somerset, BS23 1QW, 07710 215566

Mainly Trains, Williams & Cleal, Willet Farm Workshops, Taunton, Somerset, TA4 3QB,

01278 741333

Taunton Controls Ltd, 12 The Octagon, Taunton, Somerset, TA1 1RT, 01823 327155

SOUTH YORKSHIRE

MG Sharp Models, 712 Attercliffe Road, Sheffield, South Yorkshire, S9 3RP, 0114 244 0851

Marcway Models & Hobbies, 598-600 Attercliffe Road, Sheffield, South Yorkshire, S9 3QS,

0114 244 9170

Rails of Sheffield, 27-29 Chesterfield Road, Sheffield, South Yorkshire, S8 0RL, 0114 2551436

Sheffield Transport Models (Puffer Willies), 206 London Road, Highfields, Sheffield,

South Yorkshire, S2 4LW, 0114 234 7792

Tag's Model Shop Ltd, 4 East Laith Gate, Doncaster, South Yorkshire, DN1 1HZ, 01302 320732

Atkinsons, Conways, 78-82 The Moor, Sheffield, South Yorkshire, S1 3LT, 0114 2781960

Baccus 6mm Ltd - K&M TREES, Unit C Graham House, Bardwell Road, Sheffield, South Yorkshire, S3 8AS, 0114 272 4491

Barnsley Models and Games, 37 The Arcade, Barnsley, South Yorkshire, S70 2QP, 01226 206005

Barnsley Model Railway Club, 53 Cypress Road, Kendray, Barnsley, South Yorkshire, S70 3LY,

07774 806487

Elsecar Heritage Railway Preservation Group, Elsecar Heritage Centre, Wath Road, Barnsley, South Yorkshire, S74 8HJ, 01226 746746

Olivia's Trains & Models, 25a Mansfield Road, Intake, Sheffield, South Yorkshire, S12 2AE,

0114 2647 449

Manor Model Railways, 48a Spring Lane, Doncaster, South Yorkshire, DN5 7QG, 01302 311683

STAFFORDSHIRE

The Model Shop, First Floor The Octagon Centre, New Street, Burton on Trent, Staffordshire,

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Ipswich Railway Modellers Association, Ipswich, Suffolk, IP4 2HB
Mid Suffolk Light Railway, Wetheringsett, near Stowmarket, Suffolk, IP14 5PW

SURREY

Dorking Models, 12/13 West Street, Dorking, Surrey, RH4 1BL, 01306 881747
Models of Distinction, 23 The Woolmead, East Street, Farnham, Surrey, GU9 7TT, 01252 716981
Addlestone Model Centre, 130 Station Road, Addlestone, Surrey, KT15 2BE, 01932 845440
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Roxey Mouldings, 58 Dudley Road, Walton on Thames, Surrey, KT12 2JU, 01932 245439
Guildford Model Engineering Society, 61 Beech Grove, Guildford, Surrey, GU2 7UZ, 01483 536937 / 07970 034498
Scale Rail Model Centre, 117 Victoria Road, Horley, Surrey, GU7 3LH, 01293 783558
Carshalton & Sutton MRC, St Barnabus Church, 37 St Barnabus Road, Sutton, Surrey, SM1 4NS
East Surrey 'N' Gauge, Eastwood Baptist Church, St John's Road, Redhill, Surrey, RH1 6DZ
Farnham & District Model Railway Club, Wrecclesham Community Centre, Greenfield Road, Wrecclesham, Farnham, Surrey, GU9 8TJ, 0207 760582
Horley Book & Model Shop Ltd, 117 Victoria Road, Horley, Surrey, RH6 7QS, 01293 783558
Modesco, 43 Farncombe Street, Farncombe, Godalming, Surrey, GU7 3LH, 01483 424666

TYNE & WEAR

Pooley's Puffers, 382A Jedburgh Court, Team Valley Trading Est, Gateshead, Tyne & Wear, NE11 0BQ, 0191 4910202
Stephenson Railway Museum, Middle Engine Lane, North Shields, Tyne & Wear, NE29 8DX, 0191 2007146
A19 Model Railway Club, Room 13, Groundwork South Tyneside & Newcastle, The Eco Centre, Windmaill Way, Hebburn, Tyne & Wear, NE31 1SR, 0191 455526
Fenwick (Newcastle Upon Tyne), Northumberland Street, Newcastle Upon Tyne, Tyne & Wear, NE99 1AR, 0191 2325100
Gladston (North Shields Model Centre), 99 Bedford Street, North Shields, Tyne & Wear, Tyne & Wear, NE29 6QJ, 0191 252 9591
Blyth & Tyne MRS, First Floor Offices, 40 Saville Street, North Shields, Tyne & Wear, NE30 1NT
Monkwearmouth Station Museum, North Bridge Street, Sunderland, Tyne & Wear, SR5 1AP

WALES

Conwy Valley Railway Museum, The Old Goods Yard, Betws-Y-Coed, LL24 0AL, 01690 710568
Ffestiniog & Welsh Highland Railways, Harbour Station, Porthmadog, Gwynedd, LL49 9NF, 01766 516000
Gwili Railway Co, Bronwydd Arms Station, Carmarthen, SA33 6HT, 01267 238213
Llangollen Railway Station, The Station, Abbey Road, Llangollen, Clwyd, LL20 8SN, 01978 860979
North Wales Models, Southwold, Old Mill Road, Penmaenmawr, LL34 6TG, 01492 622298
Pontypool & Blaenavon Railway Co, The Railway Shop, 33 Broad Street, Blaenavon, Torfaen, NP4 9ND, 01495 792263
Dapol Ltd, Gledrid Industrial Park, Chirk, Wrexham, LL14 5DG, 01691 774455
Talylynn Railway Shop, Wharfe Station, Tywyn, LL36 9EY, 01654 710012
The Conwy Valley Railway Museum, The Old Goods Yard, Betws y Coed, Conwy, LL24 0AL, 01690 710568
The Railway Shop, 33 Broad Street, Blaenavon, NP4 9NF, 01495 792263
Trainstop, 10 High Street, Knighton, LD7 1EY,

01547 520673

Voyle's, Unit 33 Llanelli Workshops, Trostre Business Park, Llanelli, SA14 9JU, 01554 770041 / 749200
Welsh Highland Railway (Porthmadog), (Bookshop), Tremadog Road, Porthmadog, Gwynedd, LL49 9DY, 01766 513402
Western Valley Models, 1 Crescent Road, Risca, Newport, NP11 6GJ, 01633 615445
Abergavenny Model Shop, 1 Brecon Road, Abergavenny, Monmouth, NP7 5UH, 01873 852566
Hippo Toys & Models, 5 Diamond Units, Blackmarsh Road, Mochdre, Colwyn Bay, LL28 5HA, 01492 534169
Holt Model Railways, 100 Bishopston Road, Bishopston, Swansea, SA3 3EW, 01792 232264
Lendons of Cardiff, 192-194 Fidas Road, Llanishen, Cardiff, CF14 5LZ, 029 2075 2563
Lord & Butler Model Railways, The Old Warehouse, next to Pumping Station, Penarth Road, Cardiff, CF11 8TT, 02920 667 225
MIB Models, 1 Lewis Buildings, Newton Nottage Road, Newton, Porthcawl, CF36 5PE, 01656 771121
Model Railways Rhyl, 44 Wellington Road, Rhyl, LL18 1BN, 01745 798460
Old Barn Hobbies, Unit 18 Aberaeron Craft Centre, Closs Pencarreg, Aberaeron, SY46 0DX, 01545 571634
Photoworld Model Railways, 26 Queens Road, Craig-Y-Don, Llandudno, LL30 1AZ, 01492 871818
R & R Hobbies, 3 Shoppers Walk, Swansea, SA1 3AY, 01792 468749
Railways Unlimited, Unit 3, Y Barics, Nantle, Caernarfon, LL54 6BD, 01286-882332
Rhuddlan Models, Bryn Awel, High Street, Rhuddlan, LL18 2TU, 01745 590048
Brite Ideas Toymaster, Unit 1 Gwersyllt Shopping Centre, Gwerstllt, Wrexham, Wales, LL11 4NT, 01978 758451
Albatross, 29 Pier Street, Aberystwyth, SY23 2LN, 01970 617836
Antics (Cardiff), 14 St David's House, Wood Street, Cardiff, CF10 1ER, 02920 229065
Austins Models, 65 High Street, Bangor, LL57 1NR, 01248 209662
Bala Lake Railway, The Station, Llanuwchllyn, Gwynedd, LL23 7DD, 01678 540666
Clwyd Hobbies and Models, 447 Abergele Road, Old Colwyn, Conwy, LL29 9PR, 01492 518709
Colwyn Model Railway Club, Unit 1 & 2, ChapelStreet, Abergele, LL22 7AW, 01690 750004
Fairbourne Railway, Beach Road, Fairbourne, Gwynedd, LL38 2EX, 01341 250362
George Lewis (Toys) Ltd, Market Hall, Llanelli, SA15 1YF, 01554 757358
Clarice Toys, 4 Upper Frog Street, Tenby, SA70 7JD, 01834 843493
Cmyru County Store, Madog Harbor, Porthmadog, LL49 9LP, 01766 513834
Corris Railway, Station Yard, Corris, Machynlleth, SY20 9SH
Corven Arts, Corven Hall, Howey, Llandrindod Wells, LD1 5RE, 0870 0664902
Crossgates Post Office, Cross Gates Wells, Llandrindod Wells, LD1 6RD, 01597 851206
Edinburgh Woollen Mill, The Old Station, Severn Road, Welshpool, SY21 7AY, 01938 556622
Filco Supermarket, 19 Boverton Road, Llantwit Major, CF61 1LZ, 01446 794118
Llanberis Lake Railway, Rheilffordd Lyn Padarn, Gilfach Ddu, Llanberis, Caernarfon, LL55 4TY, 01286 870549
Magical Miniatures, 6 Chester Street, Wrexham, LL13 8BD

WARWICKSHIRE
Classic Train & Motor Bus, 21b George Street, Leamington Spa, Warwickshire, CV31 1HA, 01926 887499
Our Place, 3 Swan Street, Alcester, Warwickshire, B49 5DP, 01789 766755
FTD Models, 189B Cheveral Avenue, Radford, Coventry, Warwickshire, CV6 3EN, 02476 599988
Barby Model Rail, Studio 3, The Locks, Hillmorton, Rugby, Warwickshire, CV21 4PP, 01788 543442
Barney's Toy Store, 1a Park Street, Leamington Spa, Warwickshire, CV32 4QN, 01926 889411
Leamington & Warwick MRS, Whatcoat Road, Oxhill, Warwick, Warwickshire, CV35 0RA

WEST MIDLANDS

Hobbyrail, Unit 38 Market Village, South Parade, Sutton Coldfield, West Midlands, B72 1QU, 07981 757023
Ian Allan Bookshop, 12 Ethel Street, Birmingham, West Midlands, B2 4BG, 0121 6432496
Springhill Models, 4 Springhill Lane, Penn, Wolverhampton, West Midlands, WV4 4SH, 01902 341302
Wonderful World of Trains & Planes, 3 Mary Ann Street, Birmingham, West Midlands, B3 1BG, 0121 227 4000
A Oakes Ltd, Oakend House, 174/180 Vicarage Road, Oldbury, West Midlands, B68 8JB, 0121 552 1684
Tennents Trains, Shop 1, 130 Hagley Road, Haleylgreen, Halesowen, West Midlands, B63 1DY, 0121 550 1266
Antics (Coventry), 1a City Arcade, Coventry, West Midlands, CV1 3HX, 02476 551155
Arcade Toy Shop, 30-34 Fountain Arcade, Dudley, West Midlands, DY1 1PG, 01384 252 608
Graingers Models & Crafts, 5 Appledore Terrace, Walsall, West Midlands, WS5 3DU, 01922 623382
Handbourn Cabinets Ltd, 17 Willow Court, Sandwell Business Park, Warley, West Midlands, B66 1RD, 0121 544 4946
West Midlands Collectors Centre, 4 Salop Street, Wolverhampton, West Midlands, WV3 0RX, 01902 772570
Bournville Model Railway Club, Selly Oak, Birmingham, West Midlands, B29 4DN
Mikes Models, 3-5 Brockwell Road, Kingstanding, Birmingham, West Midlands, B44 9PF, 0121 3604521

WEST SUSSEX

Martells Department Store, Martells, Queens Road, East Grinstead, West Sussex, RH19 1BB, 01342 321303
Gaugemaster, Gaugemaster House, Ford Road, Arundel, West Sussex, BN18 0BN, 01903 884321
Morris Models, 80 Manor Road, North Lancing, West Sussex, BN15 0HD, 01903 754850
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Chichester Toys, 53 South Street, Chichester, West Sussex, PO19 1DS, 01243 788 055
Amberley Museum & Heritage Centre, Amberley, near Arundel, West Sussex, BN18 9LT, 01798 831370
Bognor Models, 52 Aldwick Road, Bognor Regis, West Sussex, PO21 2PN, 01243 867079
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Beales (Worthing), South Street, Worthing, West Sussex, BN11 3AN, 01903 231801
Burgess Hill Model Railway Club, Selamat, Hurstwood Lane, Haywards Heath, West Sussex, RH17 7SH
Chichester & District Society of Model Engineers, Chichester, West Sussex, PO19 7FS
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Pennine Models, 33-35 Mill Hey, Haworth, Keighley, West Yorkshire, BD22 8NE, 01535 642367
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The Model Railway Shop, 30 Station Lane, Featherstone, Pontefract, West Yorkshire, WF7 5BE, 01977 706730
Frizinghall Models and Railway, Unit 3c Hillam Road, Bradford, West Yorkshire, BD2 1QN, 01274 747447
Going Loco, 38 Potovens Lane, Lofthouse Gate, Wakefield, West Yorkshire, WF3 3JF, 01924 824748

Keighley & Worth Valley Railway, The Railway Station, Haworth, Keighley, West Yorkshire, BD22 8NJ, 01535 646838
Millennium Models, 67 Queen Street, Morley, Leeds, West Yorkshire, LS27 8EB, 0113 2189286
Milnsbridge Models, 90 Market Street, Milnsbridge, Huddersfield, West Yorkshire, HD3 4HT, 01484 640007
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Conways Toymaster (Halifax), 24 Commercial Street, Halifax, West Yorkshire, HX1 1TA, 01422 353986
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Bradford Model Railway Club, Sedburgh Youth & Community Centre (1st Floor), 5-11 Huddersfield Road, Bradford, West Yorkshire, BD6 1DJ, 01274 698861
Demon Models, 81 Dewsbury Road, Wakefield, West Yorkshire, WF2 9BL, 01924 365612
Halifax Model Railway Club, 5 Deal Street, Halifax, West Yorkshire, HX1 1QX, 01422 371489
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Middleton Railway Trust Ltd, The Station, Moor Road, Leeds, West Yorkshire, LS10 2JQ, 0113 2710320

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2



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3



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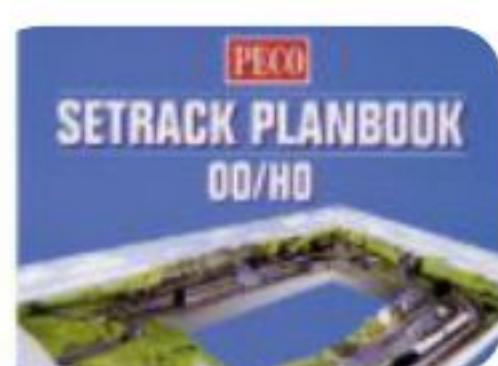
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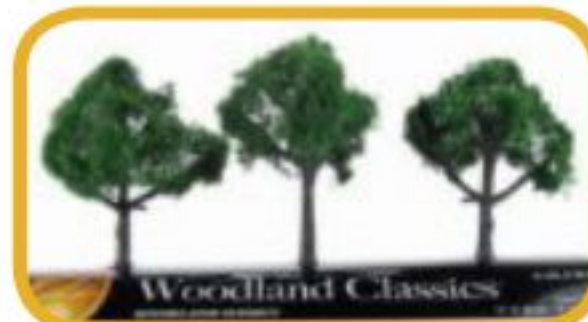
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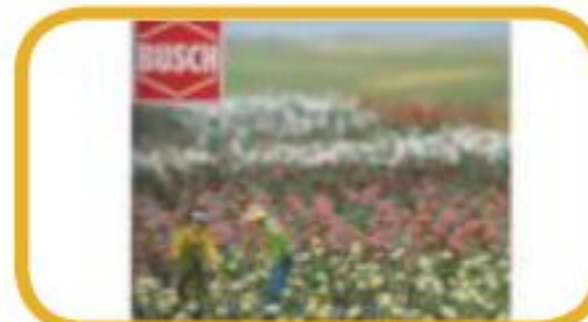
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