CREATE AN UNUSUAL BUFFERSTOP ◆ HOW TO RENUMBER A RTR LOCOMOTIVE

No. 300 June 2022 **£4.90**

MODEL RAIL

INNOVATIVE ◆ IN-DEPTH ◆ INDEPENDENT

MEGA GIVEAWAY
Over **£1,500** worth of prizes to be won!

9 771369 511193 06

300th Souvenir Edition

ON THE WAGON
Essential kit-building and weathering tips

STEAM SPRINTER
Quick tweaks for a Southern 'Greyhound'

NAPIER MAGIC
Preview of Accurascale's game-changing 'Deltic'

REVIEWED THIS MONTH

HELJAN CLASS 56

KATO 'SMALL ENGLAND'

BACHMANN 'VANWIDE'

ACCURASCALE HYA/IIA HOPPERS

DOWN THE TUBE
1938 Underground stock in focus – prototype & model

"WE'LL RUN IT OURSELVES!"
Building Titfield station in 'OO'

WE'RE STILL No. 1 FOR: Honest, in-depth reviews ◆ Your modelling questions answered ◆ Modeller-friendly tips and advice ◆ The best layout photography ◆ Prototype inspiration

dapol
model railway company

Tel: 01691 774455
e~mail: sales@dapol.co.uk
www.dapol.co.uk
Dapol Limited, Gledrid Industrial Park, Chirk, Wrexham, LL14 5DG

Coming soon...

OO Gauge 78xx Manor - In Store Soon

General Stockist Release

DCC versions also available

Full cylinder profile
Negotiates second radius curves with ease

High detailed Cab Interior
The model features a highly detailed and beautifully decorated cab with a realistic glow in the fire box

Easy fit DCC & DCC Sound
Slide out PCB - Access through the smoke box door

Dapol's tried and tested Award Winning wire free loco to tender connection

Sound Fitted Models now available to pre-order at your preferred Dapol Stockist

Visit www.dapol.co.uk for full specification and livery details

N Gauge Hymek

Previous models used for illustration purposes only.

2D-018-011 - Hymek D7000 Two Tone Green No Warning Panel
2D-018-012 - Hymek D7071 Two Tone Green SYP
2D-018-013 - Hymek D7020 Two Tone Green FYP
2D-018-014 - Hymek D7044 BR Blue FYP

DCC Ready & DCC Fitted Models available to Pre-Order

O Gauge BR 20T Brake Van

Arriving in shops soon
Visit www.dapol.co.uk for full specification and livery details

2D-007-013 - Class 66 66413 Freightliner Orange & Black Lest We Forget
2D-007-014 - Class 66 66780 GBRf Cemex
2D-007-015 - Class 66 66405 DRS Malcorns
2D-020-003 - Class 153 153302 Wessex Trains Black/Gold
2D-020-004 - Class 153 153323 Arriva Trains
2P-003-012 - 8 Set Coach Pack GWR Cities Crst Choc & Crm 6445 & 6446
2P-003-013 - 8 Set Coach Pack GWR Cities Crst Choc & Crm 6449 & 6450
2P-003-014 - 8 Set Coach Pack Great Crest Western C&C 6413 & 6414
2P-003-015 - 8 Set Coach Pack BR Crimson 6461 & 6464
2P-003-016 - 8 Set Coach Pack BR Lined Maroon 6969 & 6940

Class 153 and Class 66 DCC versions also available

4F-027-021 - Silver Bullet NACCO 37807898041-4 Wthd
4F-027-022 - Silver Bullet NACCO 37807898055-4 Wthd
4F-027-023 - Silver Bullet NACCO 37807898072-9
4F-027-024 - Silver Bullet NACCO 37807898044-8
4F-013-035 - Gunpowder Van BR Bauxite 701059
4F-013-036 - Gunpowder Van BR Bauxite 701059 Wthd
4F-013-126 - Gunpowder Van Blue Circle 170
4F-013-127 - Gunpowder Van Blue Circle 170 Wthd
4F-016-116 - Banana Van Fyffes Yellow B240750
4F-016-117 - Banana Van Fyffes Yellow B240750 Wthd

4D-022-019 - Class 68 Fearless 68016 DRS Compass
4D-022-020 - Class 68 Vigilant 68018 DRS Compass
4D-022-021 - Class 68 Splendid 68027 Transpennine Express
4D-022-022 - Class 68 Felix 68031 Transpennine Express
4S-001-001 - Torquay Manor 7800 GW Green with Roundel
4S-001-002 - Fringford Manor 7814 GW Green GWR
4S-001-003 - Compton Manor 7807 GW Green G crest W
4S-001-004 - Hook Norton Manor 7823 BR Black Small E/Crest M/T Lining
4S-001-005 - Hinton Manor 7819 BR Black Large E/Crest
4S-001-006 - Draycott Manor 7810 BR Lined Green Small E/Crest
4S-001-007 - Lydham Manor 7827 BR Lined Green Late Crest

Class 68 DCC and DCC & Sound versions also available

7L-001-006 Signal GWR Home Square Post

Product Scale Key

O Gauge | OO Gauge | N Gauge

All product release dates correct at time of going to press

SPECIAL COMMISSION WAGONS

YOUR CHOICE OF DAPOL BODY
YOUR CHOICE OF LIVERY

FROM JUST 100 IDENTICAL MODELS IN 'OO' OR 'N' 25 IN 'O'
TURN AROUND IN JUST 3 MONTHS

FOR MORE DETAILS CONTACT CLAIRE ON
01691 774455 OPTION 1 OR EMAIL studio@dapol.co.uk

MODEL RAIL

Get in touch

For all editorial enquiries, you can contact us by **e-mail:** *modelrail@bauermedia.co.uk*

Postal address
Model Rail, Media House, Lynchwood, Peterborough Business Park, Peterborough PE2 6EA

Or you can **call** us on 01733 395157

Model Rail is also on **Facebook:** *www.facebook.com/modelrail*

Subscribe now and get *Model Rail* for less

Get *Model Rail* for £4.30 per month! See p26.

SUBSCRIPTIONS
To contact us about subscription orders, renewals, missing issues or any other subscription queries, please e-mail *bauer@subscription.co.uk* or call our UK number on **01858 438884**.
- For overseas subscriptions, call **+44 1858 438884**.
- To manage your account online, visit *www.greatmagazines.co.uk/solo*

BACK ISSUES
To order back issues, please call our UK number on **01858 438884**.
- Overseas customers should call **+44 1858 438884**.

This month's cover image

An Accurascale 'Deltic' roars along the East Coast Main Line. For the full story behind this month's special anniversary cover, see page 20. CHRIS NEVARD

www.facebook.com/modelrail
www.twitter.com/modelrailuk
www.instagram.com/modelrailmag

Welcome

It gives me great pleasure to welcome you to the 300th issue of *Model Rail*. It marks an important milestone for the magazine and the *MR* team, especially our consultant editor Chris Leigh, who has been here since the very beginning.

We've marked the occasion with a special section in the centre of the magazine, where you can read about how *Model Rail* came into being and browse our history via a collection of all 299 previous covers. Looking back through our archive has been a fascinating experience, revealing just how much our hobby has changed, in some respects at least. In other ways, it has remained reassuringly familiar.

On pages 6-7 we present reportage of the recent exhibition of Britain's Biggest Model Railway (BBMR), held near Shepton Mallett just before Easter. Seeing 'Heaton Lodge Junction' in the flesh for the first time is an unforgettable experience and it was a pleasure to meet the man behind the venture, Simon George, especially after he credited my various books and articles on weathering as an inspiration. It's always heartening to hear how we have helped modellers along the way – such feedback keeps us energised and eager to help further.

I made the most of my trip to the South West, spending a few days travelling around Dorset, Wiltshire, Hampshire and Somerset on a Freedom of the Severn & Solent rail rover. A circular Salisbury-Southampton-Weymouth-Castle Cary-Westbury-Salisbury tour was a highlight. Alas, I only got to see a single Class 59 at Westbury, but at least it was one I hadn't seen before. I was also lucky to see a few of the cut-down HHA hoppers in use with Freightliner. Formerly employed for power station coal traffic, they now carry aggregates. A similar cut-and-shut wagon has just been released by Accurascale – read the review on page 104. Happy modelling!

It was great to meet lots of Model Rail readers at the BBMR show, including owners of layouts that we've recently featured. One such person was Neil Woodbine (centre), whose 'Farbine Road' layout appeared in MR298. It was also good to catch up with Mr Nevard for the first time in a few years!

George Dent Editor

Meet the team behind the UK's best modelling magazine

Chris Leigh Active in the hobby since his teens – he can claim to be experienced!

Chris Gadsby Our DCC specialist starts a new layout every year!

This month's contributors

Chris Nevard

Peter Marriott

Paul A. Lunn

Ben Ando

Paul Chancellor

Dave Lowery

David Jukes

Model Rail essential information

Q: Looking for an old feature but can't remember which issue it was in?
A: Check out the online index, kindly provided by UK Model Shops, at *www.ukmodelshops.co.uk/ModelRail*

Q: Want to order one of our exclusive models?
A: Go to *www.modelrailoffers.co.uk* or call 01209 705459.

Q: Want to order one of our bookazines?
A: Go to *www.greatmagazines.co.uk* or call 01858 438884.

Q: Have a problem or query about our digital magazines?
A: Visit *www.greatmagazines.co.uk/faq*

Q: Subscription issue not arrived?
A: Call our Subscriptions Department on 01858 438884.

Contents June

Cover Stories

8 Preview of Accurascale's 'Deltic'
38 1938 Underground stock in focus
50 Tweaks for a Southern 'Greyhound'
62 Building Titfield station in 'OO'
68 Create an unusual bufferstop

Opening the box

6 **News**
The latest news in railway modelling, direct from the manufacturers.

14 **Competition**
Your chance to win one of 11 great prizes in our celebratory competition.

20 **Staff Show and Tell**
George takes you behind the scenes to explain how our 300th cover was made.

22 **Show & Tell**
The place to share your projects with the *Model Rail* community.

25 **Inside Track**
Ben Ando details how an idea can go from a suggestion to the RevolutioN range!

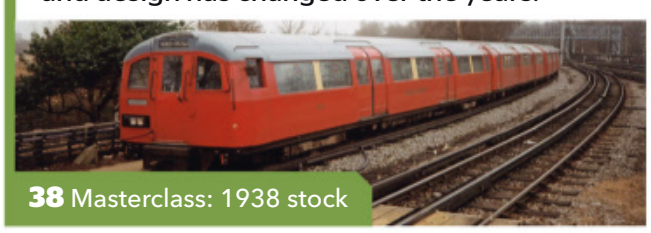
Inspiration

28 **Layout: Nottingborough**
Steve Povey spent a long time planning this stunning layout and overcoming challenges.

38 **Masterclass: 1938 Tube stock**
David Jukes recounts the stock's history, from experimental prototypes to modern day.

76 **Layout: Portmaurwin**
Taking advantage of lots of spare time, Chris Sykes indulged his love for BR blue diesels.

86 **Masterplan: Design history**
Paul A. Lunn looks at how layout planning and design has changed over the years.



38 Masterclass: 1938 stock

Regulars

3 Contact *Model Rail*
18 Exhibition Diary
26 Subscribe to *Model Rail*
110 Next Issue
145 Present Your Case
146 Backscene

28 Layout: Nottingborough

93 **Reviews**
Heljan's Class 56, Kato/Peco's FR 'Small England', Accurascale's HYA/IIA hopper wagons and cut-down HYA hopper wagons and Bachmann's 'Vanwide'

SUBSCRIBE
Save money with the latest reader offer
see p26

Looking for a previous article?
Search the online index at:
www.ukmodelshops.co.uk/modelrail

Workbench

50 Upgrade a 'Greyhound'
George Dent details a Hornby 'T9' and gives it an appropriate number - 300.

54 Weather a brake van
Chris Nevard reveals how simple ingredients can make for great weathering.

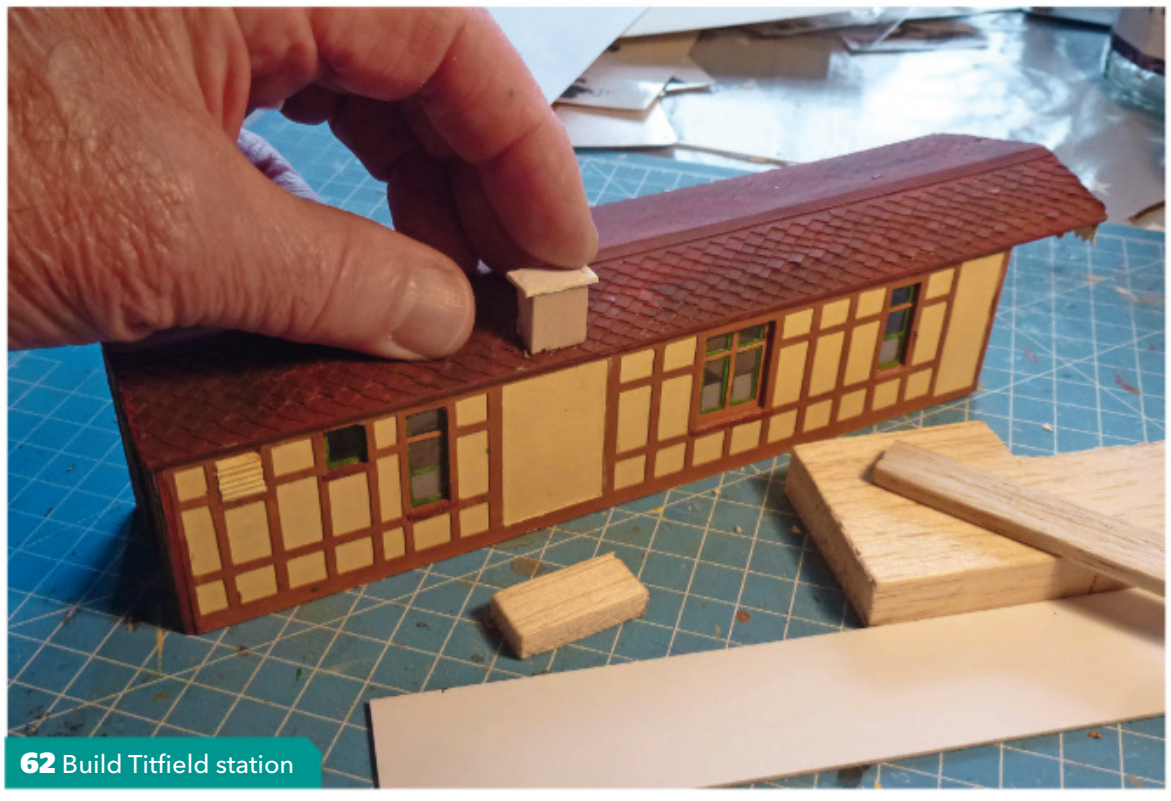
58 Parkside kit tested
George Dent trials the first new Parkside kit since Peco's acquisition.

62 Build Titfield station
Chris Leigh begins a new modelling project in readiness for some new models.

50 Upgrade a 'Greyhound

54 Weather a brake van

58 Parkside kit tested


62 Build Titfield station

Know Your Stuff

68 Create an unusual bufferstop
69 Improve PCA tanks
70 Know Your Liveries – BR Midland
72 Dave Lowery's Top Tips
73 Build simple low-relief buildings

68 Create an unusual bufferstop

Model Rail exclusive models
Order your '16XX' and 'J70'
The entire range of our exclusive '16XX' is now in stock and some of our 'J70's are nearly sold out. Buy yours today.

106

Opening the box

The latest happenings from the world of model railways

'HEATON LODGE JUNCTION' STARS AT THE ROYAL BATH & WEST SHOWGROUND

George Dent reports from the mammoth 'O' gauge layout's first show outside Yorkshire.

Over a three-day weekend, April 8-10, the Royal Bath & West Showground, near Shepton Mallett, played host to 'Heaton Lodge Junction', the extraordinary 'O' gauge layout billed as Britain's Biggest Model Railway. This was only the layout's second public outing, following a week-long stint in Wakefield town centre in early December.

At around 200ft long and 50ft wide, 'Heaton Lodge Junction' certainly is substantial, and the logistics of moving the layout and the huge amount of rolling stock down to Somerset was no small undertaking. I made my visit on the Friday and was greeted by a very healthy number of visitors already in the hall, enthralled by the constant procession of scale-length trains passing along the scenic section. Plenty of coverage in the national and local press was clearly paying dividends. Aside from a few teething problems during the initial set-up (owing to a disturbed power cable, apparently), the layout was running well on this first day of the show.

Based on a real location, where the Calder Valley and Standedge trans-Pennine routes converge near Mirfield, it captures the bleak landscape perfectly. Set firmly in the diesel era, a lovely array of classic traction was employed on the passenger and freight services, along with the odd preserved steam special.

The man behind this incredible layout, Simon George (above), was on hand to chat about his endeavour and it was exciting to see how the scenic area of the layout is set to expand, with a station and motive power depot either side of the extensive, 100ft long marshalling yard. Funnily enough, the non-scenic marshalling area was also available for viewing and attracted plenty of interested viewers throughout the day.

CHRIS NEVARD

CHRIS NEVARD

As things quietened down late in the afternoon, I was glad I'd hung around as the sound-fitted locomotives could be heard more effectively and, with the crowds dissipated, it allowed for closer inspection of the layout. While I've never been to the location on foot, I've passed through countless times over the past 30-odd years. Although the real track layout was significantly rationalised in later BR days, it is still recognisable. Indeed, the iron footbridge

JACK BOSKETT

CHRIS NEVARD

which forms a key scenic feature of the layout – which must have been a great vantage point for trainspotters – still stands today.

Being a fellow northerner and of a similar age, I can relate to Simon's urge to capture the barren landscape and semi-derelict buildings that conjure up the grim days of the late 1970s and 1980s. Standing further back from the layout really does give the impression of being in the real landscape, watching the signal aspects change and catching sight of an approaching train in the distance. Only very rarely do we get to see model trains traversing such long, uninterrupted stretches of miniature scenery – and this proved to be a rare treat indeed!

While 'Heaton Lodge Junction' might have been the main attraction, a good number of other layouts were also in attendance, some with a local flavour, such as 'Evercreech' and 'Bournemouth West' – the latter featuring a very impressive smoke-effect system within the 4mm scale steam locomotives.

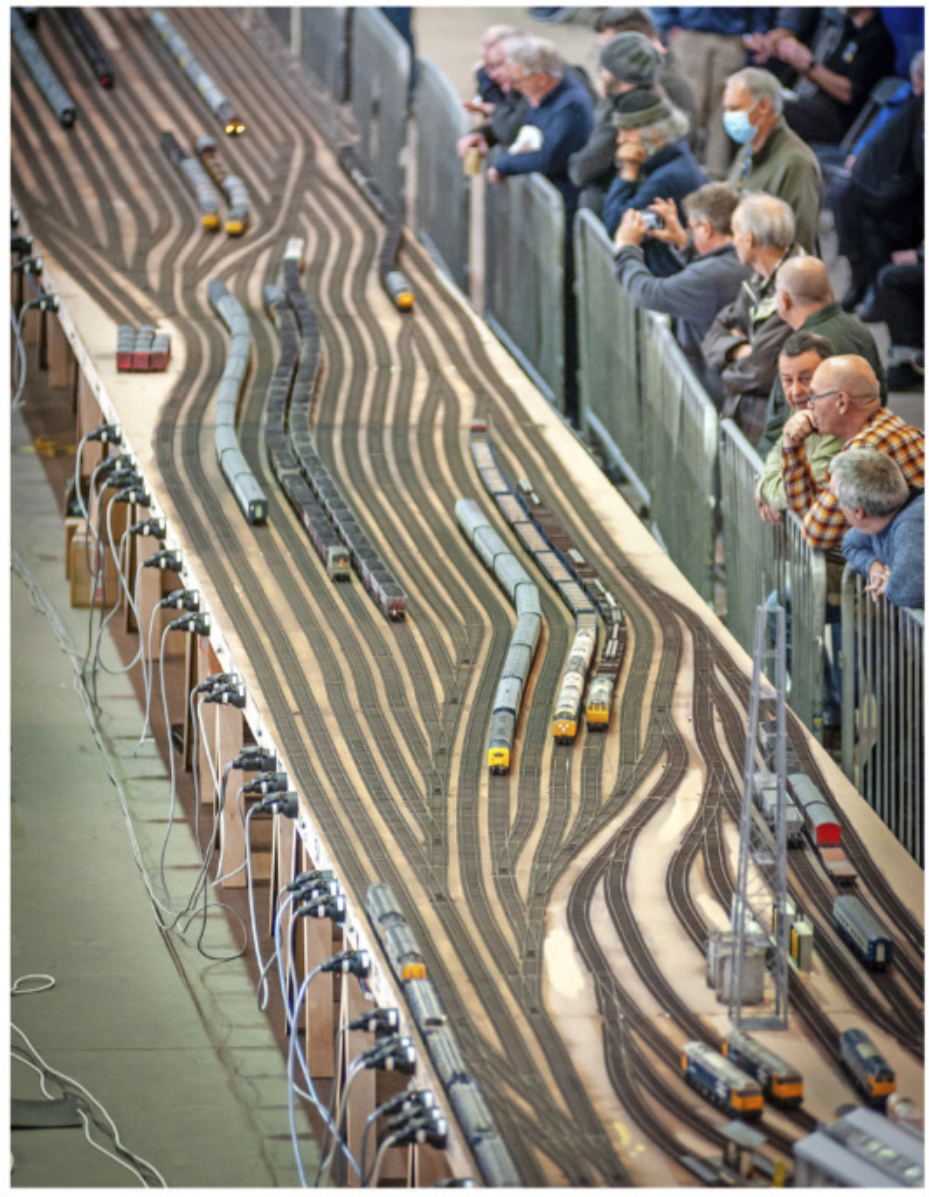
Trade support was also healthy, with Heljan, Peco, Bachmann Europe, Revolution Trains, Absolute Aspects and Tim Horn Baseboards just some of the attendees. The venue was spacious and airy and the atmosphere friendly and relaxed.

The big question now is, where will 'Heaton Lodge' go next...?

Web: *www.britainsbiggestmodelrailway.com*

JACK BOSKETT

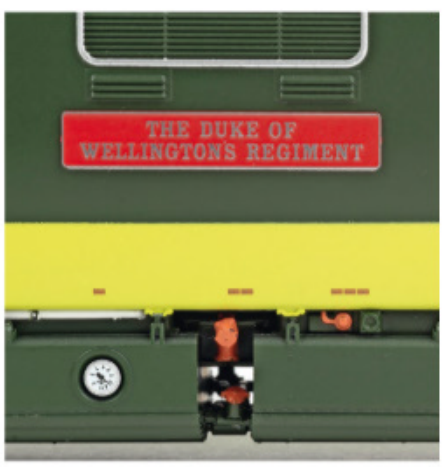
GEORGE DENT



CHRIS NEVARD

NEW MODEL PREVIEW: ACCURASCALE'S 'DELTIC' ARRIVES

We were lucky enough to receive one of Accurascale's hotly anticipated Class 55s, just in time for our special cover shoot. Indeed, you can read the full story behind the cover on page 20.



Our sample, portraying D9014 *The Duke of Wellington's Regiment*, sports BR green livery with full yellow ends and, to our surprise, it turned out to be a DCC sound-fitted version, which boasts two large speakers. Accordingly, the emotive tones of a pair of Napier powerplants have been emanating from George's home office, much to the bemusement of his cats!

Accurascale's stock of the Class 55s was due to arrive around the time that this issue goes on sale, with a 'production' sample expected at *Model Rail* HQ imminently. Therefore, we will be putting both 'Deltics' through their paces prior to a full review in next month's issue. In the meantime, here's a sneak peak at the model in detail...

ACCURASCALE CLASS 55 'DELTIC' SPECIFICATION

- Switchable, directional lighting for DC and DCC
- Cab and engine room interior lighting
- Five-pole motor, twin flywheels, metal helical gearbox
- Geared to achieve a scale top speed of 120mph
- All-wheel drive and power collection
- DCC-ready with inbuilt capacitor power bank for smooth running
- Etched nameplates from Shawplan
- Pivoting, close-coupling NEM pockets and sprung buffers
- Supplied with sheet of self-adhesive alpha-numerical headcodes

Price: £160 DCC-ready
Availability: *www.accurascale.co.uk*

WILL IT BE THE ULTIMATE 'DELTIC'?

First announced in January 2019, the 'Deltic' is set to become Accurascale's first UK-outline RTR locomotive to reach the market. Following the high standards set by sister company Irish Railway Models with the Metro-Vick 'A' Class (MR294), expectations among modellers are understandably high.

Every livery permutation is being offered, from original two-tone green – with and without yellow warning panels – to BR blue (including white cab surround versions), plus the infamous Porterbrook purple 9016 *Gordon Highlander*, complete with modern headlamp clusters.

The level of detail specification across the board promises to be high, with prototype-specific fittings and livery embellishments where appropriate. For finescale modellers, drop-in packs of replacement wheelsets are also being offered, for both 'P4' and 'EM' gauges, at £24.95 per set.

Airbrushes.com

Airbrush Equipment, Paints, Accessories, Training & Servicing

iwata

For any airbrush project, we have you covered!

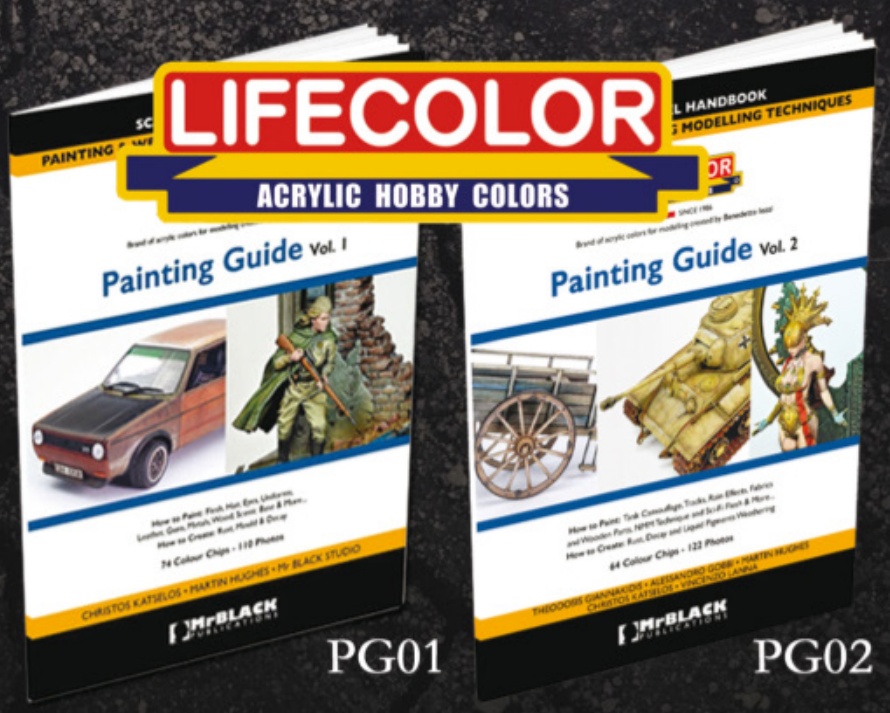
IW-ECL-350T

Iwata Takumi Eclipse Airbrush

Iwata Airbrush Cleaning Kit

Limited Edition
1:3000 scale

Iwata Arkhitect Plastic Model Kit



PG01 PG02

LifeColor Painting Guides

LIQUID PIGMENTS · Alclad II · DARKSTAR MOLTEN METALS · SPARMAX

www.Airbrushes.com 01903 767800 sales@airbrushes.com

HORNBY REVEALS 'ROYAL' PURPLE BULLEID SPECIAL

In collaboration with the Severn Valley Railway, Hornby is to produce a limited-edition collector's model of SR 'West Country' 4-6-2 No. 34027 *Taw Valley* to mark the Queen's Platinum Jubilee. Due to be repainted into purple and re-christened as No. 70 *Elizabeth II*, the locomotive is likely to generate lots of publicity for the SVR over the coming year.

Hornby's marketing and product development director Simon Kohler said: "We're thrilled to be doing this, and are certain this will be a hit with model railway enthusiasts and collectors."

The locomotive will be officially renamed on Thursday June 2, at the start of the SVR's Platinum **Jubilee weekend event. It will run** in its purple livery for a limited time before returning to its original identity. A proportion of the profits from the model will be donated to The Patron's Fund, which supports the charitable organisations across the UK and the Commonwealth for which Her Majesty acts as a patron.

Only 1,500 models will be produced and an autumn delivery is expected.

What's planned?

◆ R30231 HM The Queen's Platinum Jubilee 'West County' No. 70 *Elizabeth II*

Price: £269.99

Availability: Hornby stockists

Web: *www.hornby.com*

RAPIDO ANNOUNCE SECR BRAKE VAN – WITH EXCLUSIVE VERSIONS FOR RAILS OF SHEFFIELD

00 GAUGE

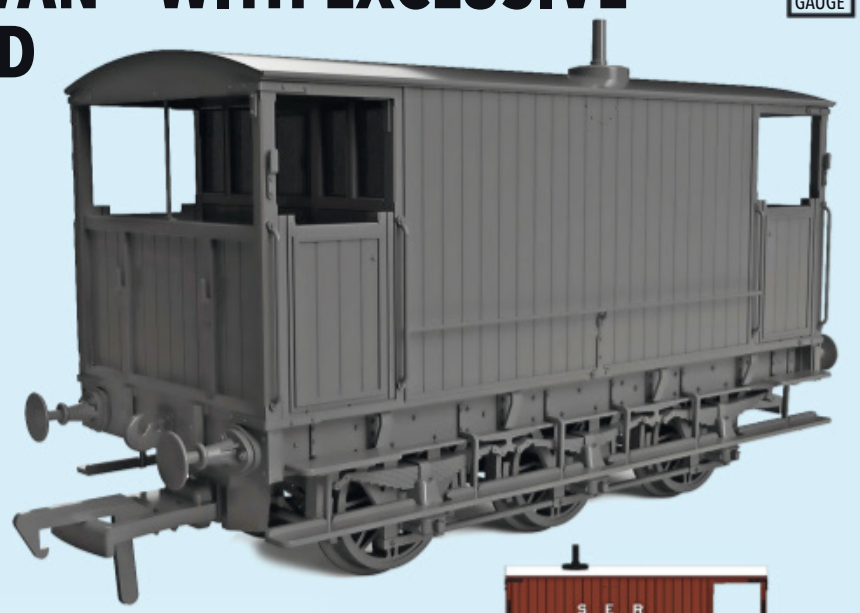
Rapido Trains UK will be adding a key wagon to its 4mm scale range of South Eastern & Chatham Railway rolling stock, in the form of a six-wheel brake van. The chosen prototype's origins date back to a small fleet of 20t six-wheeled vans originally ordered by the South Eastern Railway in 1898, a design heavily influenced by Midland Railway practice. The SECR built a further 35 examples between 1900 and 1909. These early versions will be produced by Rapido as exclusive models for Rails of Sheffield. Three versions will be available, each in limited numbers, in South Eastern Railway red and SECR grey.

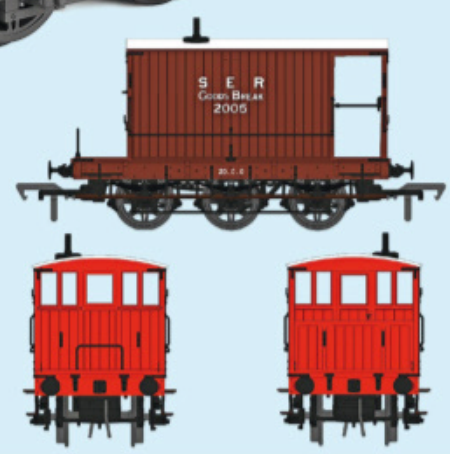
For Rapido's own range, the focus will be on later dual veranda versions, built from 1910. BR inherited 86 dual-veranda vans, withdrawing the last in 1960. One survives, at the Kent & East Sussex Railway. Two body toolings are being created to reflect detail differences, and ten versions will be on offer, encompassing SECR, Southern Railway and BR liveries.

Price: £39.95

When's it due? Late 2022/ early 2023

Web: *www.rapidotrains.co.uk*
www.railsofsheffield.com





CLASS 37 DECO SAMPLE APPEARS ON THE RADAR

00 GAUGE

Accurascale's Class 37 project has taken a big step forward with the arrival of the first decorated samples, including Accurascale's own exclusive version of Network Rail's 97301,

complete with radar equipment slung beneath the frames.

Further decorated samples were due as we closed for press and delivery of the full range of '37s' is still on course for later this year. Demand has been huge, with many versions already sold out, although limited numbers of some variants are still available via Accurascale stockists.

Web: *www.accurascale.co.uk*

LION/THUNDERBOLT PROGRESS

00 GAUGE

Rapido has also been showing off the first engineering prototype of the hotly anticipated Liverpool & Manchester 0-4-2 *Lion* (aka *Thunderbolt*).

RAILS OF SHEFFIELD EXPANDS INTO NEW ACCOMMODATION

Family-run Rails of Sheffield recently opened its newly refurbished store on Chesterfield Road, holding a grand open day on Good Friday. But the good news continues, as the Rails team is also in the process of moving into a bespoke new 12,000sq. ft building, which will accommodate offices and stock storage.

Adam Davies, operations director at Rails of Sheffield, said: "With so much usable space over two floors, this development will allow us to continue growing as one of Europe's largest model railway retailers. We can't wait to move in over the coming months." Supported by HSBC UK, the new out-of-town facility will create up to 20 jobs across various areas of the business.

Web: *www.railsofsheffield.com*

OAA OPEN TO COME FROM RAPIDO

00 GAUGE

A key wagon type of the later age of British Rail freight operations, the Open AB, is to be produced in 'OO' by Rapido Trains UK. Later classed as OAA under the Total Operations System (TOPS), the 45T capacity wagons were built in the early 1970s for BR's emerging air-brake freight network.

Employed on all manner of nationwide freight flows, the wagons also found use on departmental duties and some were modified for carrying stone blocks, with EWS modifying a batch of OAAs for this work in the 1990s.

A total of 17 different livery options will be produced, in BR bauxite, Railfreight, 'Dutch' and EWS maroon, including numerous patch-painted additions to the colour schemes, as was a distinctive feature of the prototypes over the years. Orders are now being taken.

Price: £39.95 each

When's it due? Early 2023

Web: *www.rapidotrains.co.uk*

HARDER & STEENBECK

PAINT EASY THE HARDER WAY

www.harder-airbrush.eu

300th Souvenir Edition

WIN!

Over £1,500 worth of prizes to be won in our special 300th issue celebratory giveaway

To mark this landmark issue of *Model Rail*, we've assembled a glittering array of 'OO' gauge locomotives from Hornby, Bachmann and Heljan, plus a wagon pack from Accurascale and a pair of GWR buildings from the Hornby Skaledale range.
To enter, simply got to *www.model-rail.co.uk/300-competition* and answer the following question.

Q: In what year did the first issue of *Model Rail* magazine appear?
A – 1987 B – 1997 C – 2007

Here are the prizes to be won

1. Hornby R3623 LMS 'Princess Coronation' No. 6221 *Queen Elizabeth*, LMS Coronation Blue (worth £189.99)
2. Hornby R3770 'First and Last' pair of Class 43 HST power cars, 43002 *Sir Kenneth Grange*, retro BR blue/grey, 43198 *Driver Brian Cooper*, GWR green, gloss finish (worth £289.99)
3. Heljan 33281 Class 33/2 No. 6593, BR blue (worth £125.00)
4. Hornby R3721 GWR '61XX' Large Prairie 2-6-2T, GWR green, No. 6110 (worth £169.49)
5. Bachmann Branchline 31-137 Class D11/2 4-4-0 No. 6385 *Luckie Mucklebait*, LNER lined black (worth £169.99)
6. Bachmann Branchline 31-188 Class 5XP 'Jubilee' No. 45565 *Victoria*, BR lined green, weathered (worth £178.95)
7. Heljan 266222 Beyer-Garratt No. 4986, LMS photographic grey (worth £192.00)
8. Hornby R7284 GWR Water Tower (worth £32.99)
9. Hornby R7282 GWR Goods shed (worth £47.49)
10. Accurascale ACC2623IIA4 IIA Biomass bogie hopper wagons, GBRf/VTG, twin-pack (worth £74.95)
11. Hornby RailRoad Plus R30047 Class 37 37884 *Cepheus* Rail Operations Group/Europhoenix (worth £96.99)
Total value: £1,567.83

Entries are via website only and open to UK residents only. Eleven winners will be drawn, with one prize per winner. Prizes will be allotted at random. Closing date is May 31. Good luck!

accurascale

Hauling Britain Range **www.accurascale.co.uk**

THE ELECTRIC LIGHT ORCHESTRA!

The Class 92 is a dual-voltage electric locomotive capable of running on 25kV AC from overhead lines via pantograph, or 750V DC from a third rail. It was designed specifically for operation through the Channel Tunnel between Britain and France. Since then, they have spread their wings, operating across the electrified sections of the national network and even to Eastern Europe.

We are producing a range of these elegant locomotives in 00/4mm scale, spanning the locomotives' lifespan to date, including the latest Caledonian Sleeper colour scheme, for which are also manufacturing the new Caledonian Mk5 Coaches.

Models will feature dual motorised pantographs, a wealth of separate detail, running on a heavy die-cast metal chassis, powerbank capacitors, with availability in both DC/DCC Ready and DCC Sound Fitted formats, the latter including a twin speaker set up including an EM1 style 'Accurathrash' speaker, and ESU Loksound 5 digital decoder.

Due Q3 2022, our locomotives will be available and ready to perform from Q3 2022. Pre-order direct from Accurascale's website today **www.accurascale.co.uk**

The Class 92s to be released are:

92 001 EWS, Victor Hugo
92 003 Railfreight, Beethoven
92 009 DB Schenker, Marco Polo
92 010 Caledonian Sleeper
92 020 GBRf
92 022 Railfreight Distribution, Charles Dickens
92 032 GBRf, ImechE Railway Division
92 036 EWS, Bertolt Brecht
92 038 Caledonian Sleeper
92 042 DB Schenker
92 043 Euro Porte 2, Debussy

Retailer commissioned locomotives will also be available. These are; **92 015**, **92 017** and **92 023**.

1:76/4mm scale, 00 gauge
Available Q3 2022
£179.00 DC/DCC ready, £279.00 DCC sound

Decorated examples shown may be subject to further adjustments. For further information visit our website: **www.accurascale.co.uk**

PONY CARTS AND PORTAKABINS

OO GAUGE

Scale Model Scenery's new 'OO' releases include a number of laser-cut kits for horse-drawn carts and tractor-hauled trailers, plus field rollers, cart wheels and assorted farm junk. The kits are easy to assemble and the parts feature plenty of fine detail. They'll look even better once painted and weathered accordingly.

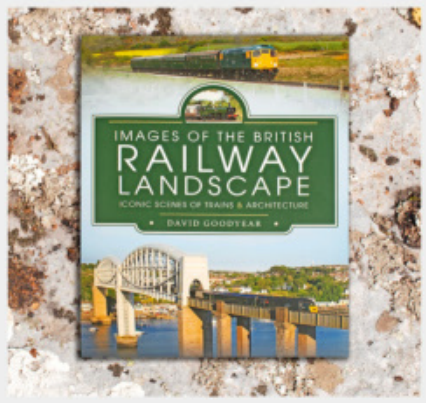
Also available is a useful kit representing a 20ft Portakabin, featuring a laser-cut wood shell, which is covered using the printed paper overlays supplied. Plenty of signage is provided, along with security mesh for the windows. Stacking framework is also provided for greater realism. Just the thing for a construction site or modern railway depot.

Products: LX445-OO Leaf Springs (£5.19), LX436-OO Filed Rollers & Farm Junk (£5.69), LX437-OO Cart Wheels & Leaf Springs (£4.69), LX441-OO 20ft Farm/Bale Trailer (£6.79), LX444-OO Small Horse Cart (£5.69), KX068-OO 20ft Portakabin (£9.39).

Availability:
Scale Model Scenery
Tel: 01530 456 952
Web: *www.scalemodelscenery.co.uk*

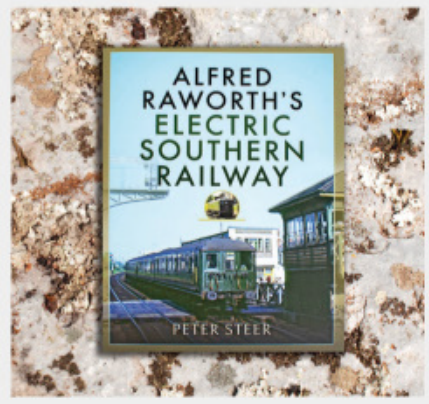
Modeller's Bookshelf

A quartet of inspirational rail-related books that has inspired *Model Rail*'s editor this month...



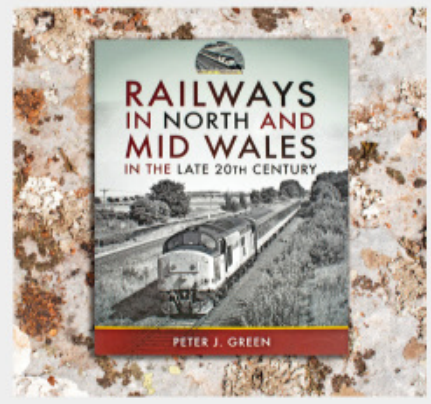
The sub-title – *Iconic Scenes of Trains & Architecture* – sums up the contents of this book succinctly. The author presents a host of beautiful images featuring trains as part of a wider landscape, with famous bridges, viaducts and well-known locations adding the 'garnish'. The material is based on 21st-century views of the UK network, including heritage railways, and each colour image is accompanied by extensive captions. The reproduction of this hardback is to a high standard and I particularly enjoyed the images around the Cumbrian coast and Morecambe Bay. There's a welcome diversity of traction and geographical location, with some less-obvious parts of the country being a welcome inclusion.

Book: *Images of the British Railway Landscape* by David Goodyear (Pen & Sword)
Price: £30.00
Availability:
www.pen-and-sword.co.uk



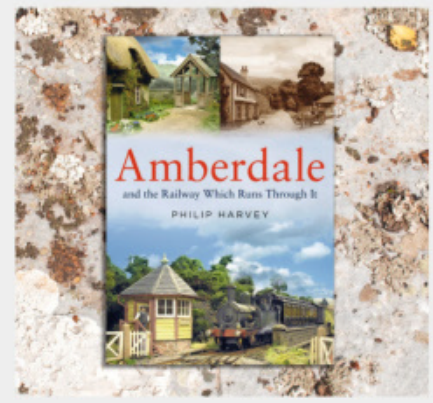
This hefty hardback provides a biography of Alfred Rowarth, engineer for the Southern Railway's ground-breaking electrification programme. The author considers the original business case for electrification and describes the innovative engineering practices that created one of the world's greatest electrified suburban networks, between 1918-56. Sir Herbert Walker may have been the driving force behind the project, but it was his engineer Rowarth – described as a genius by the author – who made it happen. Copiously illustrated with photos, maps and diagrams, there's plenty of technical details and explanations of how the various infrastructure operated. Useful for modellers contemplating a layout based on the Southern Railway.

Book: *Alfred Rowarth's Electric Southern Railway*, by Peter Steer (Pen & Sword)
Price: £40.00
Availability:
www.pen-and-sword.co.uk



Anyone who travelled around north and mid-Wales in the 1980s and 1990s will appreciate this collection of over 200 black and white photographs. Capturing the last days of traditional signalling on the famous Cambrian route from Welshpool to Pwllheli and Aberystwyth, the book also covers the North Wales Coast route, along with the now-closed branches to Amlwch and Trawsfynwdd, plus other key locations. Class 37s abound, along with '25s', '33s', '40s', the odd 'Peak' and a variety of first and second-generation DMUs. Some of the locations have changed in the intervening years, so the book offers a glimpse into the not-so-distant past. Various preserved railways also feature, including the Llangollen.

Book: *Railways in North and Mid Wales in the Late 20th Century*, Peter J. Green (Pen & Sword)
Price: £25.00
Availability:
www.pen-and-sword.co.uk



Painstakingly built over six decades, Philip Harvey's 4mm scale model railway, 'Amberdale', forms the subject of this 144-page book. There's certainly a Pendon flavour in much of the layout's scenes. However, 'Amberdale' is an elegant flight of fancy, featuring a fictional railway company in the 1890s, conjuring up an idyllic version of the English countryside. The colour photography is to a high standard (we received an electronic version) and the text engaging. There are plenty of inspiring and useful nuggets of information, from the use of forced perspective to the considered use of composition. The book will appeal to anyone interested in miniature modelling, especially those who plough a less 'technical' furrow.

Book: *Amberdale and the Railway Which runs Through it*, by Philip Harvey, (Fonthill)
Price: £20.00
Availability:
www.fonthillmedia.com

ON THE WORKBENCH

George Dent looks at the new products to land on his workbench this month

Contour sanding strips

These flexible, 4mm wide sanding strips from Ammo by MIG are supplied in a pack of six different grades, featuring 120/180/240/320/1200/1500 grits. Suitable for use on all manner of materials, from plastic, resin, wood and metal, the abrasives can be used dry or lubricated with water to avoid clogging. Perfect for working into tight corners or around delicate detail fittings, they're a great help when building kits or modifying parts.

Price: £2.25
Availability: Scale Model Shop
Tel: 01422 405040
Web: *www.scalemodelshop.co.uk*

5-in-1 model scribing tool

Featuring an attractive, knurled handle and five interchangeable blades, this scribing tool was sourced from Amazon. Useful for all manner of cutting and shaping applications, the 58mm long blades are retained within the handle with an Allen key (supplied) and the tips range from 0.5mm to 1.0mm wide. Great for cutting plastic, resin or wood, especially when narrow channels are required, it has also proved capable when modifying miniature plastic and 3D-printed figures.

Price: £14.99

Spiral flute drill bits

If you've tried drilling into sheet brass with a general-purpose twist drill bit, you'll probably have experienced a snagging/snatching. To avoid this, and ensure an accurate, clean hole, it's worth using a bit shaped specifically for harder materials. These drills are ideal for use with brass, copper and printed circuit boards (PCBs), as well as plastics and resin.

Supplied in sets of ten bits, from 0.3mm-1.2mm diameter, each is fitted with a coloured plastic collar, which allows them to be employed in the hand. They can also be mounted into a pin vice or mini drill,.

Price: £12.99 for five sets
Availability: Amazon
Web: *www.amazon.co.uk*

Clear storage jars with lids

Tired of cleaning up ballast or other scatter material as it spills out of opened plastic bags? These clear plastic jars, offered in a pack of nine, offer the ideal solution. Pouring opened bags of scatter – or any other loose parts or material – into the jars, the lids will keep everything secure, and they can be stacked neatly on a shelf. While the clear plastic allows the contents to be viewed, self-adhesive labels are also provided.

Price: £12.00
Availability: Geoscenics
Web: *www.geoscenics.co.uk*

COMMUTERS, STATION STAFF AND DELINQUENTS FROM MODELU

Figure specialist Modelu's latest additions include bundle packs of five 3D-printed figures, depicting contemporary commuters, Edwardian station staff and vandals. The commuter pack features four male and one female figure, wearing contemporary clothing and carrying typical lightweight baggage. The station staff bundle includes a porter, station master, booking clerk and a shunter, complete with coupling pole.

The modern vandal package is made up of four young lads with spray cans, drinks and an all-round air of listlessness, with a police officer included, making notes in his pocketbook. Each pack is available from 'N' gauge to 16mm scale and the bundles offer a 20% saving off the individual figure cost.

ANY GAUGE

Products: 9017 Vandals Bundle, 9018 Commuters Bundle, 9019 Edwardian Station Bundle
Price: from £18.00 per pack for 'N' and 'OO'
Availability: *www.modelu3d.co.uk*

DCC BUS LINE FILTERS AND INTERIOR LIGHTING CIRCUITS

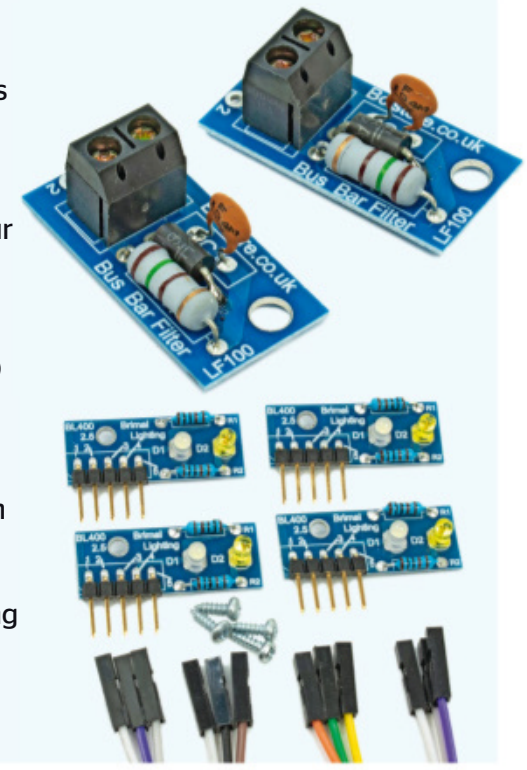
These small circuit boards offer a simple form of protection for all DCC-controlled circuits, such as controllers and decoders, against spikes or short circuits. Supplied in twin packs, one filter can be installed into the track power bus and the other for an accessory circuit. Given that the twin pack costs less than £10, it's a worthy investment to protect expensive hardware.

Also available is a useful interior lighting kit, featuring four separate miniature PCBs, each equipped with a choice of two LEDs for either warm white or yellow lighting effects. Each LED can be powered directly from a 3V-12V DC power source, or via Brimal's dimmable LED distribution board. At just 30mm by 11mm, the lighting PCBs will easily fit within most 'OO' and 'O' gauge building interiors, along with larger 'N' gauge structures.

Full installation instructions are provided with each kit.

ANY GAUGE

Products: XBL400 Dual Style Room Lighting kits (£11.50 per kit), LF100 DCC Bus Line Filter (£9.16 per pair)
Availability: Brimal Components Ltd
Web: *www.bclstore.co.uk*



EXHIBITION DIARY – MAY – JUNE 2022

(ALL SUBJECT TO GOVERNMENT GUIDANCE ON COVID-19)

May 14

LUDLOW, SHROPSHIRE. Craven Arms & District Model Railway Circle Model Railway Exhibition, Ludlow Racecourse, Bromfield, Ludlow, Shropshire SY8 2BT. **Time:** 1000-1600. **Admission:** Adults £5, children (under 16) free. **Tel:** David Gotliffe 07867 752301

SOMPTING, WEST SUSSEX. Sompting and District Model Railway Club, Sompting Village Hall, West Street, Sompting, West Sussex. BN15 OBE. **Time:** 1000-1630. **Admission:** Adults £3.50, Children £1. **Web:** *www.somptingdistrictmrc.co.uk*

May 14 & 15

GLENROTHES, FIFE. Glenrothes Model Railway Club Annual Model Railway Exhibition, Lomond Centre, Woodside Way, Glenrothes KY7 5RA. **Times:** Sat 1000-1700, Sun 1030-1630. **Admission:** Adults £4, over 60s £3, Child £2, Family (2+2) £11. **Tel:** Angus Stewart 01334 475311

HAYLE, CORNWALL. Hayle Railway Modellers Spring Exhibition, Day Care Centre, Commercial Rd, Hayle, Cornwall TR27 4DE. **Times:** Sat 0900-1700, Sun 1000-1600. **Admission:** £5 per person, under 14's free. **Tel:** 07977 550051

STAMFORD, LINCS. Market Deeping Model Railway Club Exhibition, Stamford Welland Academy, Green Lane Stamford PE9 1HE. **Time:** 1000-1630. **Admission:** Adults £6, Children (5-17) £3, Family (2 adults + 3 Children) £15. **Web:** *www.mdmrc.org*

IMMINGHAM, SOUTH HUMBERSIDE. Immingham Model Rail Show, Immingham Museum, Civic Centre, Pelham Road, Immingham DN40 1QF. **Times:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adults £4, Children £1, Families £9. **Web:** *www.imminghammuseum.org* **Email:** *admin@imminghammuseum.org*

May 21

ELY, CAMBS. Ely and District Model Railway Club Model Railway Exhibition, Ely College, Downham Road, Ely CB6 2DY. **Time:** 1030-1630. **Admission:** Adult £6, Child (5-16) £3, under-5s free. **Tel:** 01353 721280. **Web:** *www.elymrc.org.uk* **Facebook:** *@elymodelrailwayclub*

May 21 & 22

LUTTERWORTH, LEICS. Model Railway Exhibition + Classic Bus Display 2022, The Lutterworth Sports Centre, Coventry Rd Lutterworth, Leics LE17 4RB. **Times:** Sat 1000-1630, Sun 1000-1600. **Admission:** Adults £5. Child £3. Family £12. (2+2). **Tel:** Harold Dunkley 01788 310354. **Web:** *www.lutterworthrailwaysociety.co.uk*

ORPINGTON, KENT. Pratts Bottom Model Railway Exhibition, Pratts Bottom Village Hall, Norsted Lane, Rushmore Hill, Pratts Bottom, Orpington, Kent BR6 7PQ. **Times:** 1000-1600 both days. **Admission:** Adults £5, Children (under 16) £1. Free parking on site & Café. **Email:** *exhibition@odmrs.uk*

ROBERTSBRIDGE, EAST SUSSEX. Rother Valley Railway Model Railway Exhibition 2022, Robertsbridge Village Hall, Station Road TN32 5DA. **Times:** 1000-1600 on both days. **Admission:** Adults £4, Accompanied children: Free, Return Sunday FREE with Saturday's ticket.

SHFFIELD, SOUTH YORKS. Neepsend (Sheffield) Model Railway Society, Grenoside Community Centre, Main Street, Sheffield S35 8PR. **Times:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adults £6 Inc. 1 x free tea/coffee, Children £3, Family (2+2) £15. **Web:** *www.neepsendmrs.weebly.com*

May 28

BILLERICAY, ESSEX. Billericay Model Railway Group, Hannakins Farm Community Centre, Rosebay Ave, Billericay CM12 0XP. **Time:** 1000-1600. **Admission:** Adults and Unaccompanied Children: £5, Concessions: £4.50, Under 18: £3, 5 and under: Free, Family ticket £13. **Email:** *exhibitionmanager@billericaymrg.org* **Tel:** 07767 390172. **Web:** *www.billericaymrg.org*

May 28 & 29

BROADSTAIRS, KENT. Crampton Tower Museum Model Railway Show, Broadstairs, Kent CT10 2AB. **Time:** 1000-1600. Admission £3 Adults, £1.50 child £7.50 Family. **Web:** *www.cramptontower.co.uk*

BROCKENHURST, HANTS. New Forest Model Railway Society Model Railway Exhibition, Brockenhurst Village Hall, Highwood Road, Brockenhurst, Hants SO42 7RY. **Times:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £5, Child (5-16) £3, Family (2+2) £13.

COSSINGTON, LEICS. The Leicester Model Railway Group, The Barn, Main Street, Cossington, Leicester, LE7 4UU. **Time:** 1100-1700. **Admission:** With passports £5. **Tel:** 0116 284 8684.

GLASGOW, SCOTLAND. Strathclyde O Gauge Group Glasgow 2022, Pollokshaws Burgh Halls, 2025 Pollokshaws Road, GLASGOW G43 1NE. **Times:** Sat 1000-1600, Sun: 1100-1600. **Admission:** Adult £6, accompanied children free. **Tel:** 0141 637 4189. **Email:** *wcampbell23@yahoo.co.uk*

June 4

HILLINGDON, LONDON. Hillingdon Railway Modellers Test Track Open Day, Yiewsley Baptist Church Hall (side entrance), 74 Colham Avenue, Yiewsley, Hillingdon, London UB7 8HF. **Time:** 1000-1500. **Admission:** £5. Bring your 'O', 'OO' or 'N' gauge locos and trains to run on our club's three separate test tracks. Please note that this is NOT an exhibition, but a good opportunity to meet fellow friendly modellers. **Web:** *www.hillingdonrailwaymodellers.co.uk* **Tel:** 020 8368 4090.

SLEAFORD, LINCS. Sleaford and District Model Railway Club Exhibition, St George's Academy, Westgate, Sleaford NG34 7PP. **Time:** 1000-1600. **Admission:** Adults £5, Concession £4, Children £3. **Web:** *https://sites.google.com/sites/sleafordmrc*

June 4 & 5

WARRINGTON, CHESHIRE. Thelwall & Grappenhall MRC Jubilee Open Days, Rear of Grappenhall Community Centre, Bellhouse Lane, Grappenhall, Warrington WA4 2SG. **Times:** 1200-1600 for both days. **Admission:** Adults £2, Children £1. Free parking; Stairs to layouts. **Web:** *www.tgmrc.org*

June 11

BURTON-UPON-TRENT, STAFFS. The 7mm Narrow Gauge Association Annual Exhibition. Burton Town Hall, King Edward Place, Burton-upon-Trent DE14 2EB. **Time:** 1030-1630. **Admission:** Adult £5, 7mm NGA Members £3, Partners and children Free. **Web:** *www.7mmnga.org.uk*

...and finally

Unusual scenes captured by the lens of **Chris Nevard**...

Another container load of model railway items arrives at the docks. But the high cost of diesel, as well as the green agenda, forces management to look at other sources of power to move wagons around the sidings. Old Bob on the right tried without success, and now needs a physiotherapist. Champion Hubert the horse steps in to help. What a star! Though he wants a little more incentive if this is to become a regular chore.

GWR Iron Mink
Order now!

'00' GAUGE

GWR Dia. O21 open
Order now!

'00' GAUGE

SECR Dia. 1426 van
Coming soon!

'00' GAUGE

We think our wagons are great. But don't take our word for it.

SECR ballast wagon
Coming soon!

'00' GAUGE

BR 'Conflat P'
Coming soon!

'N' GAUGE

SECR 6-wheel brakevan
Order now!

'00' GAUGE

Here's what reviewers had to say about our 'OO' gauge Gunpowder Vans.

"Detailing... exquisite throughout"
Railway Modeller

"Sets a new standard and immediately impresses"
Chris Leigh, *Model Rail*

"Excellent models... I can't praise them highly enough"
Howard Smith, *BRM*

BR VIX ferry van
Coming soon!

'00' GAUGE

BR 'Open AB' OAA wagon
Order now!

'00' GAUGE

GWR Dia. AA20 'Toad'
Order now!

'00' GAUGE

Order from www.rapidotrains.co.uk or your local Rapido Trains UK stockist

RAPIDO TRAINS UK

Staff Show & Tell special

MR300 – behind the cover

George Dent reveals how this month's cover was created.

Covers are a vital element to any printed publication, whether that be a book or a magazine. Naturally, you need to present prospective readers with a compelling reason to buy your publication over the countless other titles available. Indeed, it can be one of the most challenging tasks associated with publishing. Accordingly, the *Model Rail* team pour copious amounts of time and effort into crafting eye-catching compositions each month.

For this landmark issue, planning of the overall 'concept' began last year, initially with a handful of sketches in my trusty notebook. I've always been a visual thinker, in the sense that scribbling and sketching on paper helps me to process ideas more effectively than simply rolling them around in my head or typing them into a computer.

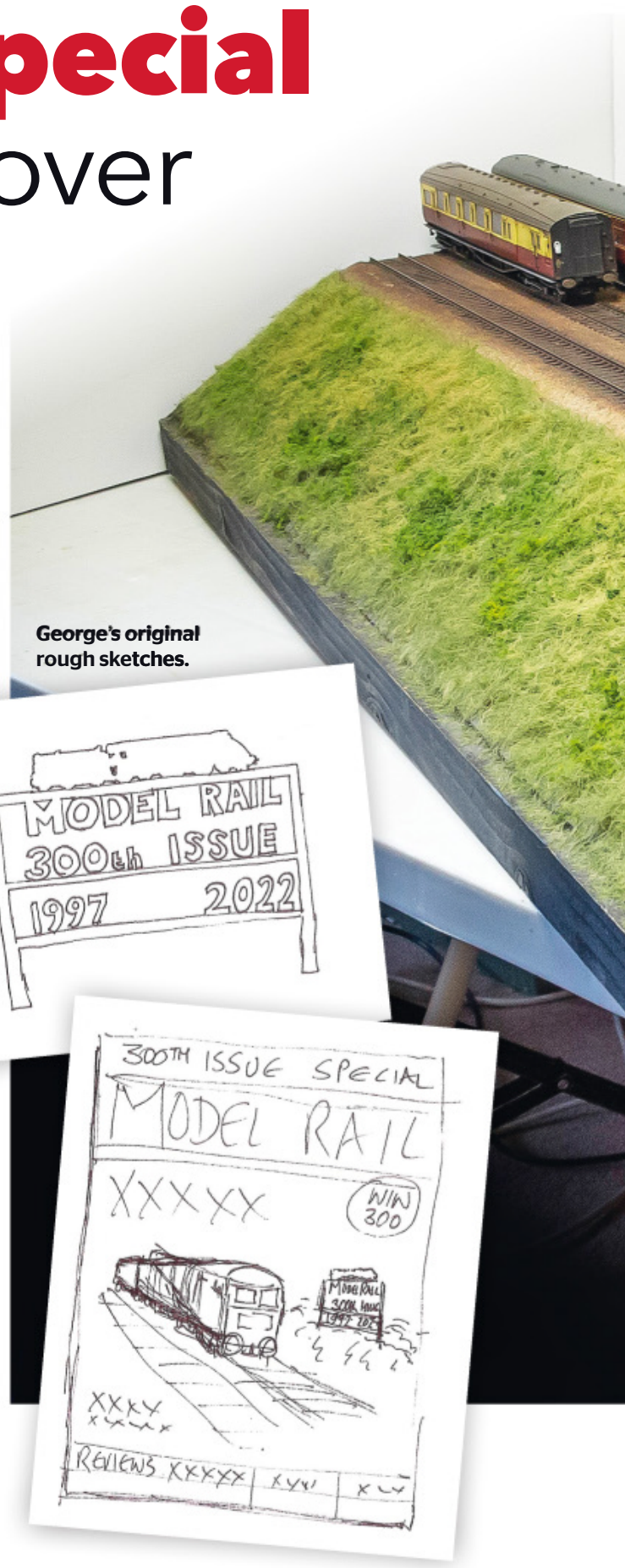
Having decided to collate each of the previous 299 covers into a collage (see this month's centre spread), it has been fascinating for us to look back at how *Model Rail* has evolved over the years. While we didn't make much of issue 200's cover, MR150 and MR100 were given a special treatment. The 100th issue was interesting, adorned with an illustration by our long-standing artist Andrew Mackintosh. Depicting a green 'Deltic' roaring along the East Coast Main Line (ECML), beside a track gang erecting a 100mph speed restriction, seeing it again brought back happy memories for those of us who were involved back in 2007.

Issue 100's cover, which provided inspiration for the 300th, featuring a bespoke illustration from Andrew Mackintosh.

For the 150th issue, George's enhanced Hornby 'Castle' was shot in dramatic fashion by Chris Nevard, who had recently joined the *Model Rail* team.

So, how to treat MR300? I'd been kicking around a few ideas, but it was the arrival of a laser-cut kit from Scale Model Scenery last autumn that really got me thinking. Based on the famous lineside sign commemorating *Mallard*'s world steam speed record of 1938, it made me wonder if we could create something similar. After a few basic sketches, I contacted the guys at Scale Model Scenery and enquired about a custom order for a 'Model Rail 300th Issue' sign, based on the same *Mallard* structure.

Once the artwork had been created, Justin at Scale Model Scenery asked me to give the design a final check and, days later, I had a bunch of bespoke laser-cut kits in my hands. Unsure exactly what the final image composition would be, I commissioned signs with the silhouette of the Gresley 'A4' pointing in either direction, allowing for a choice of either left-hand or right-hand facing portraits of an approaching train. To cover all bases, I also requested another pair of signs, rendered 25% larger, in case we needed to force the perspective a little for dramatic effect. Those over-scale versions weren't needed in the end, but they should look convincing on an 'O' gauge diorama!



George's original rough sketches.

The next decision surrounded what train to feature. In a further nod to MR100, I wanted a green 'Deltic'. Accurascale's 4mm scale depiction of the Napier-powered beauty was expected this year, so it was an obvious first choice, especially given that it may well prove to be something of a landmark release.

However, the ongoing uncertainties in global supply chains makes it difficult to

The sign commemorating *Mallard*'s speed record stands beside the ECML near Stoke Bank, Lincolnshire. A scale replica kit is available from Scale Model Scenery (*www.scalemodelscenery.co.uk*), which gave George the idea of modifying the design to commemorate *Model Rail*'s landmark issue.

Right: The misting effect (added digitally in post-production) helps to disguise the end of Chris' diorama, while also suggesting that the 'Deltic's' steam heat facility is working hard!

Here's a 'behind the camera' view of the cover shoot, as Chris Nevard works his magic.

Hot off the laser-cutting machine... courtesy of a bespoke order to Scale Model Scenery, the kits simply required assembly and painting.

anticipate exact arrival times. Would we have one in time for the cover shoot? Thanks to Fran and the team at Accurascale, we took delivery of a lovely green version, just in the nick of time – and weeks ahead of the production models' arrival.

Once I'd assembled and painted the trackside signs, they – and the 'Deltic' – were handed over to Chris Nevard, so he could weave his photographic magic. Aided by a loan of suitable rolling stock from his local model shop, Kernow Model Rail Centre (Guildford), it was all systems go! As usual, I added the words and the cover's design was completed by Matthew Hunt, our art editor who, coincidentally, celebrates 20 years' service on *Model Rail* this month.

And there you have it – a striking cover that has been a real team effort. I'd like to thank Scale Model Scenery and Accurascale for their generous assistance.

An advance production sample of Accurascale's new 'Deltic' was obtained, just in time!

After laminating the frames using the supplied overlays, to beef up the structure, the signs were primed with a matt black aerosol. The lettering was picked out by hand in an off-white acrylic, then sealed with a satin clear coat.

Show & Tell

The place to share your projects with the *Model Rail* community.

MY ECO LAYOUT

In the May 2021 edition of *Model Rail* (MR286), you published a very interesting article by Philip John Pugh concerning a lightweight composite model railway baseboard he had constructed using cardboard boxes, as discarded by many large supermarket chains.

Having suffered a back injury during my younger years, which has since come back to haunt me, I found working on my first 'N' gauge layout situated in my garage difficult. Wishing to construct a light, compact layout I could use and keep indoors, this idea seemed the perfect solution. Being a fan of recycling, I wanted to use other discarded materials on my small layout to construct most of the buildings and the road layout. Furthermore, not wanting to risk damaging the base of the cardboard boxes (which had proved quite sturdy during the ballasting process), I decided to use some leftover roofing felt I had in the garage for the ballast appearance which, although some would say is not true to form, I felt was acceptable appearance-wise.

In June of 2021 the produce staff in my local supermarket were kind enough to give me three open cardboard boxes which are sturdy and had been used for transporting punnets of fruit and veg. This enabled me to commence constructing my desired 4ft by 2ft 'N' gauge layout which I can prop up out of the way against the wall in my study. Unlike the layout in the May 2021 edition, which is 'OO' and an end-to-end shunting concept, I realised I would be able to have a continuous loop. To add a little more interest, I decided to build in two passing loops, one for the station side of the layout and on the other a goods shed.

Being a continuous track layout and to keep the strength in the three joined boxes I cut out arches, which allows the track to pass from box to box as does the road running through the middle of the layout. To enable me to easily lift and handle the construction, I built a wooden frame which sits underneath the layout, made of 20mm by 20mm timber, attached by means of Velcro strips. It adds little weight and is practical.

All buildings are scratchbuilt, utilising cardboard from egg box lids, cat food boxes and cereal boxes. The only exceptions are the Metcalfe sheds and greenhouses. The backscene is simply lengths of cardboard, painted sky blue and stuck to the inside walls with semi silhouette-style trees I have painted stuck on top. I believe this creates the desired effect.

As with Philip John Pugh's layout I hope this demonstrates that, with a little effort and imagination, you can construct a working railway layout which is light and practical, relatively cheap to build and eco-friendly.

Robert Beckwith

> "All buildings are scratchbuilt out of cardboard and cereal boxes"

GREAT TO SEE 'TT'

Just received the May issue and it's fantastic to see a 'TT' gauge item.

I started with Hornby three-rail in 1950, then moved over to Tri-ang two-rail. In 1957, within a week of Tri-ang introducing 'TT3', I changed to it. I'm still with it and have never regretted it.

Thanks for that article – an excellent choice.

Alan Poole

A LESSON LEARNT

I have been interested in model railways all my life. Sometimes helping friends, occasionally building my own layout and even selling one, once. In all my life I have never built a layout to show at exhibitions.

Two years ago, I decided to build a layout based on the '0-16.5' layout 'Crackington Quay', which I admire. Mine, however, would be 'OO'. And, as I knew the new Hornby 0-4-0 saddle tanks were coming, I ordered two.

I set the track up, wired it all and checked it worked. I used a 0-6-0 shunter to test it and it wouldn't go round the tight curves into the tunnel, but I wasn't worried because I knew the short-wheelbase 0-4-0s would.

I decided to try lots of modelling techniques. If my mate who exhibits at Weymouth show thought it was good enough, then maybe I would exhibit it. I built a drystone wall and a couple of buildings. Then the big day came and the new locomotives arrived. But, as they say, pride comes before a fall...

The 0-6-0 would do everything but go round the curve. The 0-4-0 would happily go round the curve but wouldn't traverse the points. I had used insulated frog points and the locomotive's short wheelbase led them to stall on the plastic frogs.

It was a harsh lesson. Still, I have a few buildings and a drystone wall with which to start my next layout!

Arthur Westlake

KRModels

SR 4DD

In 1948 BR asked O.V.S Bulleid to come up with a solution to help reduce overcrowding on suburban routes to and from London. In 1949 2 Double Deck units rolled off the production line, numbered 4001/4002 these were an experiment that lasted 22 years and finished on 1st October 1971.

We will be producing both running numbers as 4 car packs. There will be 2 power cars, all will have internal lights.

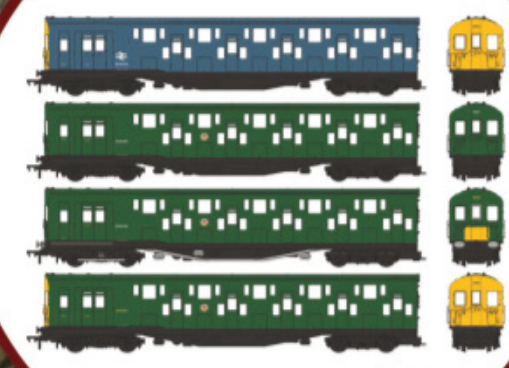
- ✔ Both running numbers
- ✔ Internal lights
- ✔ Close coupling
- ✔ Steel buffers
- ✔ Available in Full green, green small yellow end, BR Blue
- ✔ DCC Ready, DCC Fitted and DCC Sound (LokSound V5.0) also available

Delivery ETA is Summer 2023

DCC Ready £375.00

DCC Fitted £405.00

DCC Sound £475.00



ESU

ORDER NOW at krmodel.co.uk

Inside track with Ben Ando

Ben Ando is the founder of Revolution Trains and a regular contributor to *Model Rail*.

“At every show there is always at least one suggestion that makes us scratch our heads and think ‘hmmm… that could work!’”

Phew! I am writing this having just returned from an exhibition at the Bath and West Showground in Somerset which showcased ‘Heaton Lodge Junction’, aka Britain’s Biggest Model Railway.

The show was superb, and among the usual crowd in attendance, I was struck by the number of families and younger people who came over the three days.

It was our third show in three months. Attending shows is tiring but worth it.

Like other manufacturers, Revolution goes primarily to meet and talk to existing customers and potential new ones. We’ll display our latest models, including pre-production samples, to give visitors an idea of what is coming and how it will look, and it’s a great way of getting feedback on any potential areas of improvement.

At the same time, such exhibitions are a great way for our customers to tell us what they’d like – and they do!

Some of the wish-listing is surprising, some completely impractical, and some just plain bonkers. However, at every show there is always at least one suggestion that makes us scratch our heads and think ‘hmmm… that could work!’

So what makes for a good wish-list idea, and how can you make yours one that isn’t laughed off the stand, but piques a manufacturer’s interest?

Firstly, look at what the manufacturer already produces. It’s fairly pointless suggesting to, say, Revolution that we make a range of track, or cars, or DCC control systems. Stick to trains!

Is there already a RTR version or kit available, or is it an obvious candidate for another manufacturer? We have had lots of people ask us to produce an ‘N’ gauge Class 90, but with Bachmann having launched a superlative 4mm model fairly recently it seems logical to think an ‘N’ gauge version can’t be far away. I strongly suggest lobbying Farish if you want an ‘N’ gauge Class 90!

Next, consider how attractive your proposed model would be in terms of sales. Was it a widespread, long-lived vehicle, or did it last for just three years on a single branch line in a remote part of the network?

If it is relatively short-lived that can be mitigated if it is particularly attractive, or quirky, or ran in long rakes so that fewer customers will purchase more.

Then consider research. Manufacturers aren’t lazy (I don’t think!) but they are under pressures of time, cost and resources. Can you provide, or know the location of, drawings and photographs? Better still – if it’s a historical item – is an example preserved? Similarly, do you have any personal connections that would help with either research or licensing, where appropriate?

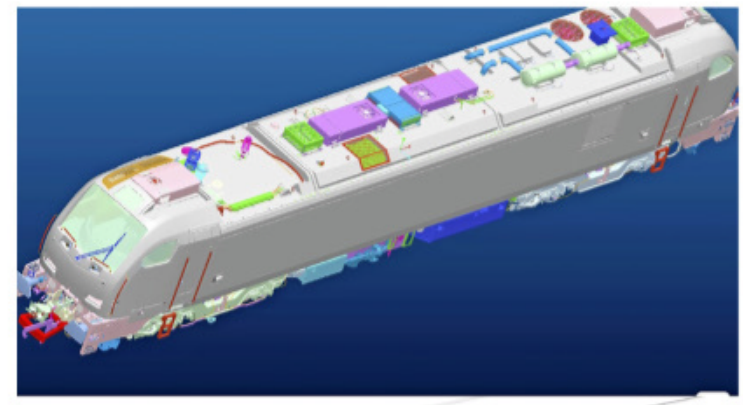
Finally, does the proposed model ‘suit’ the manufacturer? Revolution sees itself as a niche supplier often filling gaps left by the others; we could be receptive to something a little more esoteric, as long as it has sales appeal.

A good example of a successful pitch to Revolution is the Class B tankers which were suggested by two respected ‘N’ gauge modellers with well-reasoned arguments addressing nearly all these points.

Of course, there will always be models that break the rules. Revolution is offering the Rail Operations Group/Stadler Class 93 tri-mode locomotive. The real thing hasn’t left the drawing board yet but as the first new locomotive built for the British network in a decade it’s too good to miss.

Remember the Bath show I mentioned at the start? We were offered a suggestion there which we had never considered before, but it has got us thinking. It doesn’t quite tick every box, but it comes close. Will we produce it? Watch this space!

Finally, I’d just like to wish *Model Rail* a very happy 300th issue. I recall reading the very first issue – can it really be a quarter of a century ago?



Subscribe to MODEL RAIL for just £4.30 a month!*

"*Model Rail* magazine's ethos is to encourage modellers of all ages and abilities to enjoy the world's greatest creative hobby.

Each month, we offer you unrivalled coverage of the most compelling layouts, plus all the latest news, independent reviews and a healthy dose of prototype inspiration. We're happy to answer your modelling questions and provide plenty of clear, step-by-step demonstrations, equipping you with the confidence to have a go yourself." *George*

SUBSCRIBE BY PHONE OR ONLINE QUOTE: **ZIAA**

01858 438884

Lines open Mon-Fri 0830-2130, Sat 0800-1600

www.greatmagazines.co.uk/

PRINT

£4.30 a month when you pay by recurring direct debit *

DIGITAL

£3.99 a month when you pay by recurring direct debit *

SUBSCRIBER BENEFITS

- Read the latest model reviews
- FREE delivery/instant download to your smartphone or tablet
- Get involved in the world's greatest hobby

Call 01858 438884 for our latest digital offers

MODEL RAIL REWARDS CLUB

Subscribe and become a member of the subscriber exclusive *Model Rail* Rewards Club...

As a subscriber you'll experience a whole lot more for your money. Being a member of our Rewards Club gives you access to exclusive interviews, dedicated photo competitions, giveaways, a first look at selected features prior to publication and much more to enjoy throughout the year.

Completely exclusive to subscribers of *Model Rail*, it's our way of saying thank you for your support. Don't worry if you are already a subscriber – you are automatically a member of our Rewards Club.

◆ Please note that the Rewards Club is only available to subscribers in the UK who have an email address.

FOR OVERSEAS PRICES PLEASE CALL: **+44 1858 438828**

modelrail

Terms & Conditions: Subscriptions will start with the next available issue. The minimum term is 12 months. This offer closes on December 31 2022. This offer cannot be used in conjunction with any other offer. Cost from landlines for 01 numbers per minute are (approximately) 2p to 10p. Cost from mobiles per minute (approximately) 10p to 40p. Costs vary depending on the geographical location in the UK. You may get free calls to some numbers as part of your call package – please check with your phone provider. Order lines open 8am-9.30pm (Mon-Fri), 8am-4pm (Sat). UK orders only. Overseas? Phone +44 1858 438828. Calls may be monitored or recorded for training purposes. For full terms and conditions please visit: *www.greatmagazines.co.uk/offer-terms-and-conditions*

Grand Central

Stickler for detail and self-confessed 'train nut' **Steve Povey** spent a long time planning this stunning layout, and overcoming technical challenges.

Words: **Chris Gadsby** Photography: **Chris Nevard**

1

What makes this layout great?

"Steve's personal experience of engine sheds means that everything is in the correct place at 'Nottingborough' and the scene is packed with little details that not only add to the realism but will also keep you observing for a long time when you see it on the circuit."

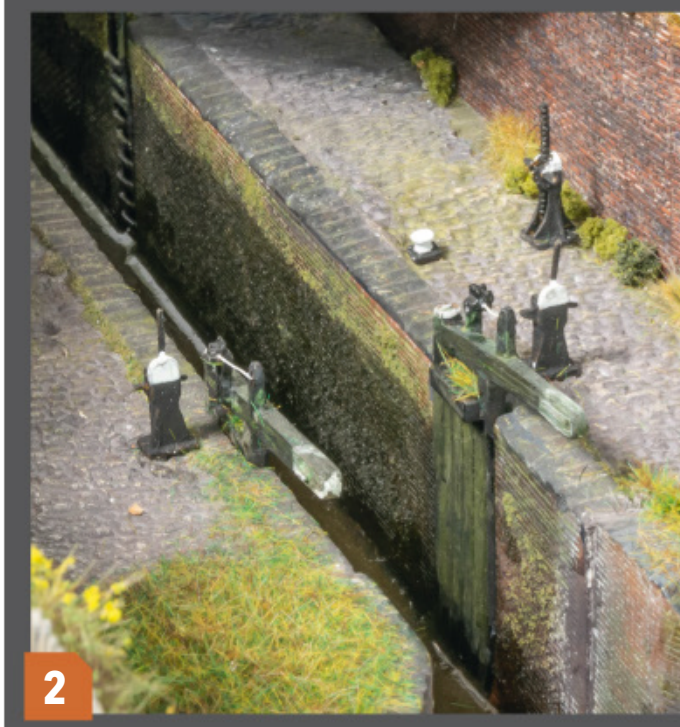
We're all aware that getting the details right on a layout can turn a good one into a great one. We've even produced a bookazine titled *In the Detail* (see page 109), showing you all the things around the railway you may have missed and might want to include on your next model railway. For some, adding all of these details gets expensive and risks cluttering the layout, but for others, including Steve Povey, the details are the most enjoyable part of the whole build.

"When it came to planning my first layout, 'Nottingborough', I'd made lots of lists about the details I could use and put onto the layout. I then spent an entire winter painting all the detailing bits before I even put the board and track down. I've been a train nut for as long as I can remember and was a member of Brambleton Model Railway Club in Harpenden in my earlier years, as well as working on the footplate on a preserved railway, so I knew a lot about engine sheds and it was natural that my layout would be based around one. About 20 years ago I had the idea of building a shed within a triangle, but the radius curves would have made the layout far too big. The thought stayed in my mind though, and after a few sessions with Giles ➤

"I spent an entire winter painting all the detailing bits before I even put the board and track down"

3 things we like

The Skytrex low-relief warehouses give the impression of a larger scene.



The additional paddle on the canal lock for the side pond – a feature that's rarely modelled.

The fire iron rack and 'Not to be moved' sign add to the realism of the scene.

Walburn and John Freer from Elite Baseboards, we were able to tweak it into something manageable. I wanted it to be a shed that would function and have all the necessary equipment. I particularly enjoyed the planning stage and making sure everything in the shed was in the right place."

Measuring 11ft by 2ft, Steve has modelled a 'OO' gauge transition period layout, with steam on the rapid decline and diesels making a more prominent appearance as the months go by, and the engine shed looking as though it's seen better days. Based in the Midlands but at a fictitious location, 'Nottingborough' could be perceived as a Great Central layout, although Steve was brought up close to the St Pancras line.

"The train I really remember is the Midland Pullman, but you won't see that at this engine shed! My layout is almost all locomotives, but there are a dozen or so wagons to keep things a little more interesting. I'm planning a 4ft by 2ft fiddleyard extension for exhibition use to allow me to hold and run a greater variety of models. It was booked to appear at a couple of exhibitions last year before they were cancelled, but that has given me more time to add extra details."

TRACK FROM TILLIG

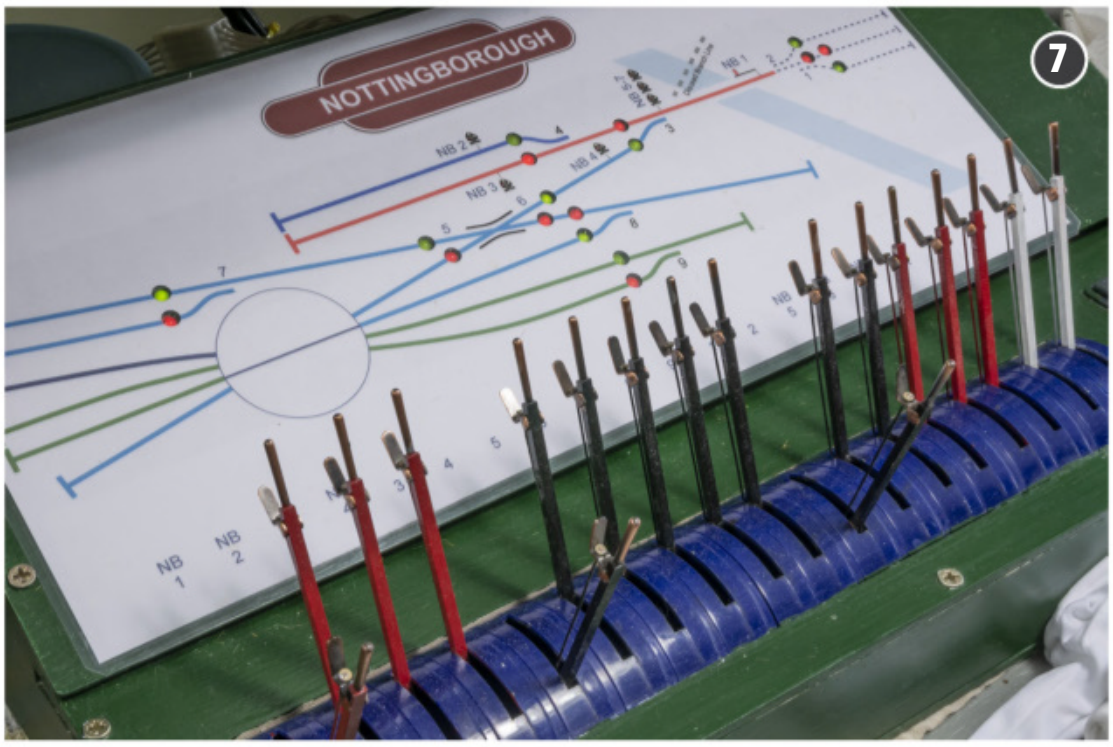
When it comes to choosing track for your model railway it's likely that you'll fall into one of two categories, either going for Code 100 which is slightly too tall but is more reliable with older stock that has deeper flanges, or Code 75, which is truer to scale but

The signal box is the Bachmann Loughborough signal box which may look too large, but there are the remains of a track to the canal basin branch which the box also used to serve, making the size necessary.

> "I chose Tillig track Code 87 over other offerings because I felt that the pointwork was of a much higher quality"

5

6



7

is more suited to newer stock. After some help from Giles and John from Elite Baseboards, however, Steve went for a third option.

"I chose Tillig track Code 87 over the offerings from Peco and Hornby because I felt that the pointwork, in particular, was of a much higher quality. Yes, it is a bit more expensive, but when you compare the double-slip in the centre of the layout to the Peco offering the difference is clear. When I was a young boy Hornby sold point levers that you could use to change your points and I loved them. The time came to look at operating these points and I saw the DCCconcepts ones that were very similar, so I had to have them."

The points and signals are analogue controlled from Steve's movable control panel, meaning he can operate from the front at home and the rear at ➤

Steve owned a narrowboat tug from 1987 until about 1997 so the waterways have always been a large part of his life. Knowing canals so well, he could model one accurately without having to take too many pictures. Steve used the old Hornby narrow lock that came out about 15 years ago, but he made a number of modifications before weathering it to produce the effect of peeling paint. One thing he has noticed about off-the-shelf cobbled building sheets is that they are too uniform, so he made the cobbles himself in a random formation to make them more realistic.

exhibitions, so as not to get in the way of the viewers. The track, however, uses DCC control and all except one of the locomotives are equipped with sound and enhanced by weathering. Steve sent some of the models to G&C Weathering after they were recommended to him by John Gay of Digitrains.

"In my opinion they are the best in the business, but I always have a go at weathering myself. Wanting to improve my skills, I booked onto one of the courses run by the Missenden Railway modellers where I could learn from Mick Bonwick about how to use an airbrush properly, what the right equipment was to use and how I could hone my skills. The knowledge passed down on those courses is superb and I saved a lot of money by not buying inferior equipment beforehand. Purchasing their recommendations has stood me in good stead since."

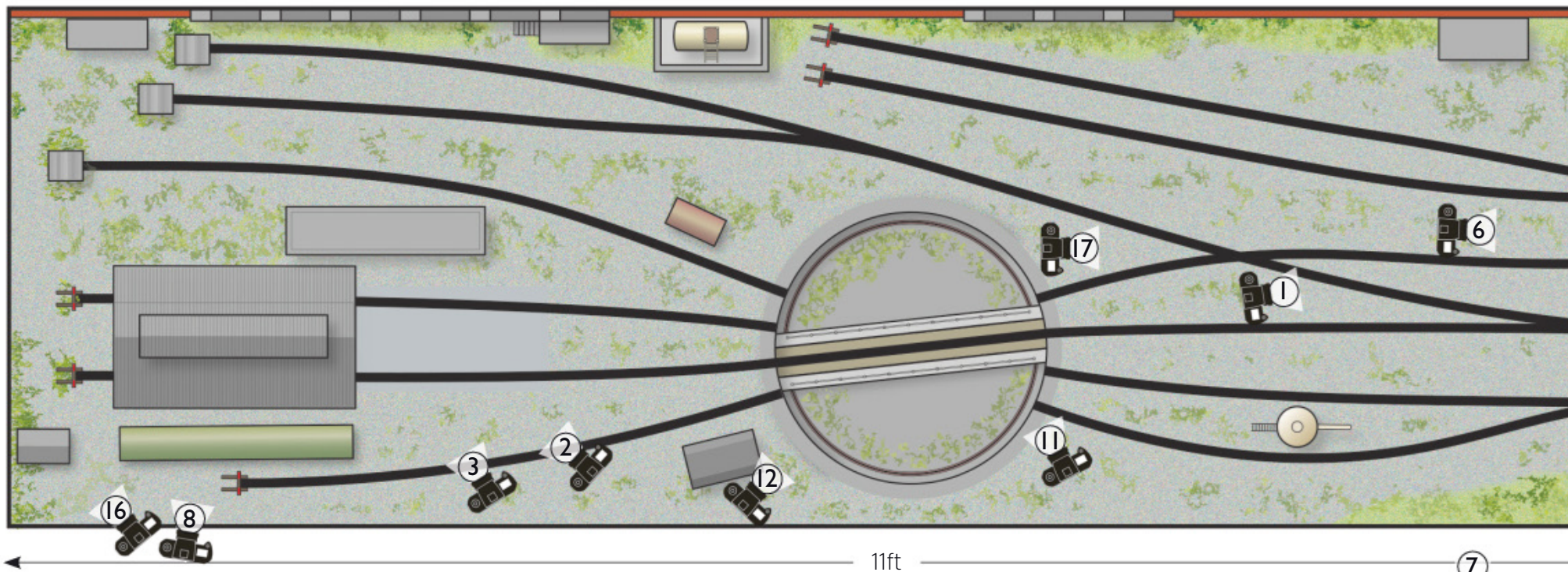
TURNING TABLES

We can't talk about 'Nottingborough' and not mention the front and centre feature which is the turntable, improved dramatically by Steve's additions.

"I've had it converted into a vacuum turntable, as most of them were in that period. The vacuum pipes were bespoke, made for me out of whitemetal by a gentleman in Fife, and the winding gear is from an old Airfix kit. I had to buy the whole kit just to get the winding gear – I'm sure many modellers can relate to that! The brickwork on the internal face is sticky-backed plastic."

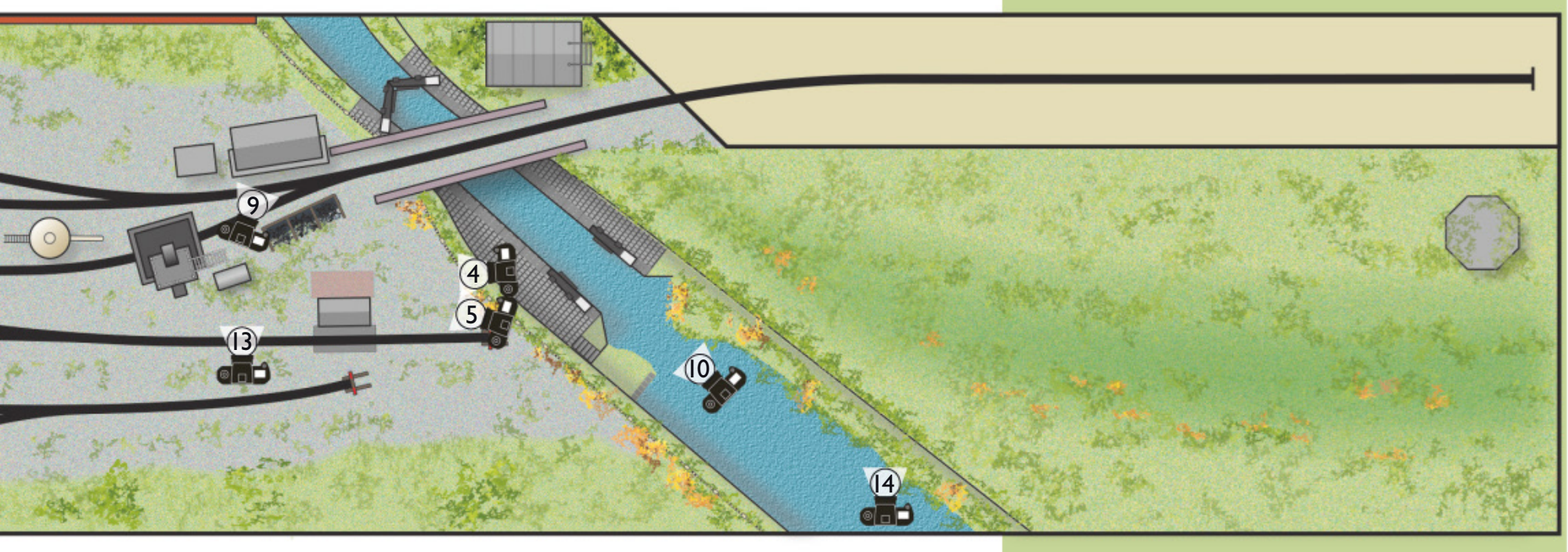
There's no doubt that Steve has done a superb job with his first model railway, but with everything being new to him, what did he find the biggest challenge?

"Everything. I had to learn new skills and pick people's brains to get as much information as possible,



Steve is continually adding more details to 'Nottingborough'. If he sees something that he thinks will fit he'll add it in.

Artwork: **Andrew Mackintosh**



FACTFILE: ‘NOTTINGBOROUGH’

Gauge and scale: 4mm:1ft, 16.5mm scale, ‘OO’

Size: 11ft by 2ft

Track: Tillig Code 87

Time to build: Six years

Power and control: DC/DCC

MODELLER CV: STEVE POVEY

In my time away from my layout I’m a member of the High Wycombe and District Model Railway Society. I used to be a very good snooker player and could make century breaks. I’m hoping to start playing again now that Covid looks as though it’s on the way out. I also have an interest in horse racing and have shares in some racehorses.

watch YouTube videos about how to use weathering powders correctly and so on. Everything had to be spot on so I took my time, and if I wasn’t sure about something I took a step back and moved on for a bit. I’m no scratchbuilder, so the buildings and miscellanies are all kits, some of which required a lot of patience. The water tower, for example, is an old Dapol model. As you can imagine, there were some choice words at times!

“I’ve met some incredible modellers throughout the build, including the aforementioned Giles and John, as well as Justin at Scale Model Scenery, Mike at Geoscenics and Gordon Gravett. ‘Nottingborough’ wouldn’t look anywhere near as realistic without them. I should also mention Mike Gasgoine, who did an excellent job of painting the backscene and integrating the warehouse panels into it while Tony Teague was kindly keeping it at his house for me.”

Be sure to keep an eye out for ‘Nottingborough’ on the exhibition circuit over the coming years as it’s certainly a layout not to be missed. With so many small details on which to feast your eyes you could find that you’re there for some time! MR

An inventive ADVANCE

London Transport's innovative 1938 Tube Stock proved remarkably long-lasting. The first cars entered service on June 30 1938, with the final survivors of those exiled to the Isle of Wight withdrawn on January 3 2021. **David Jukes** recounts the stock's history from experimental prototypes to the present day.

The London Passenger Transport Board's formation on July 1 1933 led to the expansion of London Underground services. The 1935-1940 New Works Programme included proposals for various line extensions, several of which were already experiencing capacity problems.

Future stock requirements repeatedly changed during the planning stages, but it was ultimately resolved to provide new higher capacity trains on the Morden-Edgware (later renamed the Northern) and Bakerloo Lines; the displaced Standard Stock replacing life-expired cars on other lines.

The determined solution for higher capacity trains was to mount control and other electrical equipment below car floors and find a manufacturer able to supply smaller traction motors. The existing use of large traction motors required Tube car floors to be raised above the motor bogies, above which were equipment compartments with consequent loss of potential passenger space.

> "The 1935TS ran on the Piccadilly Line between 1937 and 1940; technical difficulties meant the trains had to be stored until 1948"

1935 TUBE STOCK

Construction of a 'high-speed' six-car tube train to the new layout was authorised in May 1935 with the order soon increased to four trains for demonstration of control products by Crompton Parkinson, General Electric Company, British Thomson-Houston and Metropolitan Vickers. This 1935 Tube Stock (1935TS) was an early demonstration of William Sebastian Graff-Baker's inventive skill as it incorporated several new features and was an immense advance from the preceding Standard Stock. Graff-Baker (1889-1952) was appointed Chief Mechanical Engineer (Railways) in 1935 and played an important role in rapidly developing the Underground's rolling stock.

The Metropolitan Cammell Carriage and Wagon Company (MCCW) built 24 Driving Motors (DM) fitted with one Crompton Parkinson C200 traction motor per bogie and formed into two-car units. Eighteen had semi-circular streamlined driving cabs (10000-11000 to 10008-11008, inclusive), while the final six had conventional flat ends (10009-11009 to 10011-11011, inclusive); the stock formed into like-numbered pairs.

They were coupled mechanically,

A four-car unit of 1938TS (10012-012256-12048-11012) is preserved by London Transport Museum in operational condition, as seen here at Chalfont & Latimer while working special services between Amersham and Harrow-on-the-Hill on September 14 2008. DAVID JUKES

An idyllic scene at Ongar as a member of station staff tends the flowerbeds, while 10009, 70512 and 11009 wait to depart to Epping, in June 1965. HUGH BALLANTYNE/RAIL PHOTOPRINTS

Below: London Transport planned to convert six 1938 Tube Stock (TS) trailers to run with the 1960TS motor cars (each was to replace two Standard Stock trailers), but just three were done in 1976 (4929, ex-012392), 1977 (4927, ex-012229) and 1978 (4921, ex-012366). Sandwiched between 1960TS motors 3907 and 3906 is 1938TS trailer 4927, seen at Woodford in 1987 soon after arrival from Hainault. The converted trailers were fitted with fluorescent lighting and were painted white to match the motor cars' unpainted aluminium finish. DAVID JUKES

electrically, and pneumatically by means of a new automatic Wedglock coupler. Also specially designed were compressors of compact dimensions based on tramcar designs. All cars were 52ft 6in long with two double-leaf and one single-leaf air-operated doors per side. Forty fixed and two tip-up seats were fitted. External livery was essentially red and cream with grey roofs; red was applied beneath the waistrail, on the inner car ends and to the passenger doors below roof level – the flat-ended cars also had full red cab ends.

The 1935TS ran on the Piccadilly Line between 1937 and 1940; technical difficulties then meant the trains had to be stored until 1948. The streamlined cars were converted to Trailers in 1950/51 for operation with 1938 Tube Stock (1938TS), while the three non-streamlined units were rehabilitated to ➤

Above: The final serviceable pair of 1960TS three-car units were painted red with cream window pillars in 1990/91 and relegated to the peak-hours Epping to Ongar Central Line shuttles. Their Automatic Train Operation equipment had been removed in 1986, with the three 1960TS units continuing to operate the Woodford to Hainault shuttles in One Person Operation mode for a further five years. 3909/4921/3908 are stabled at Loughton on January 31 1992 between peaks. DAVID JUKES

1938TS trailer 4927, sandwiched by 1960TS motors 3906 and 3907, is seen at Ongar on September 26 1994, four days before the Epping to Ongar line's closure by London Underground. This unit is preserved by Cravens Heritage Trains and currently resides at London Underground's Northfields Depot. DAVID JUKES

operate the Central Line's Loughton to Epping and Woodford to Hainault shuttles as two-car trains. These were fitted with Ward mechanical couplers and air hoses at their outer ends for compatibility with the Central Line's main fleet of Standard Stock.

The units then operated the Piccadilly Line's Aldwych shuttle between 1954 and 1957 before returning to the Central Line and its Epping to Ongar branch. A 1927 Standard Stock trailer was added to each unit (two in 1958 and the other in 1960) with all cars painted silver between 1963 and 1965 to match the unpainted aluminium stock operating on the main Central Line services. All were withdrawn in December 1966 with 10011-11011 modified in 1970 as an articulated unit on three new bogies, being used in this form as shunter L14A/B at Acton Works from 1971 (receiving service stock maroon livery in May 1972) until its 1975 scrapping (the other cars were broken up at Ruislip Depot in 1971).

1938 TUBE STOCK

The flat-ended 1935TS trains formed the basis for the three-car and four-car 1938TS units with minor changes; BTH control equipment and KLL4 compressors were specified and the C200 traction motor was developed into the LT100.

Orders were ultimately placed for 1,121 1938TS cars as shown in Table 1; these were changed no fewer than nine times as London Transport's (LT) plans changed. LT also rebuilt 58 spare 1927 BRC&W Standard Stock Trailers (7513-7570) at Acton Works to form part of the 1938TS fleet as 70513-70570. They became known as the '58 Trailers' and were readily identified by their clerestory roofs.

Wedglock couplers were fitted to the 1938TS driving ends, with cars linked elsewhere by semi-permanent bar couplings and 40-wire jumpers. Trailers and NDMs had four sets of air-operated doors per side (two double and two single), and the DMs three (two double and one single). The Trailers and NDMs were fitted with 40 fixed and four tip-up seats, and the DMs with 42 and two respectively. The external livery was simplified to red with cream window pillars and grey roofs (the brown used latterly was first applied during the war as very thick paint to overcome leaking roofs).

DMs 10012 and 11012 were the first 1938TS cars delivered on May 11 1938, entering Northern Line service on June 30 1938 in the formation 10012-012158-11012+10013-012159-11013, just seven weeks after initial delivery. The Bakerloo Line also received its new 1938TS trains; 10044-012192-11044+10094-12068-11034 was its first on January 2 1939. Like-numbered pairs were retained for motored cars, but the concept was abandoned for trailers owing to the converted Standard Stock.

The London & North Eastern Railway owned 289 1938TS cars, a figure based upon the mileage of Central and Northern Line services worked over its metals. DMs 10238-323/11329-323, NDMs 12117-12157 and Trailers 012313-388 carried solebar plates stating: 'PROPERTY OF THE LNER', many of which remained until scrapping (ownership passed to LT in 1948 upon the British Transport Commission's inauguration). Some of the DMs later worked on the Isle of Wight and have been preserved, as we will see later. ➤

Rehabilitation and withdrawals

LT proposed life-extending rehabilitation of 34 1938TS trains in 1970 to avoid a single large order for replacement stock. A four-car unit was tackled in 1971 before authority was given to treat the remainder.

The Extra Heavy Overhaul (EHO) programme included the fitting of external door light indicators and the rewiring of cabs, trailing ends, and lighting circuits. Floors, upholstery, armrests and sliding door edges were replaced. The last EHO was completed in December 1976, as bulk disposal of 1938TS cars continued from a June 1972 start. Remaining 1938TS was soon repainted with a lighter 'bus' red paint with white roundels and numbers.

Eight four-car 1938TS units ran on the East London Line between January 1974 and June 1977 to alleviate a CO/CP stock shortage on the District. Just the Bakerloo's allocation of 34 EHO trains and the Northern's allocation of 10½ non-EHO trains remained by the end of 1977, with the latter withdrawn by April 1978.

Some displaced cars were converted to service stock and six Trailers earmarked to replace life-expired Standard Stock Trailers running between 1960TS DMs on the Central's Woodford to Hainault shuttles. Just three were in service: 012392 (renumbered 4929), 012229 (4927) and 012366 (4921). Two units were later relegated to peak hour Epping to Ongar services until the branch's closure on September 30 1994.

Deliveries of 1983TS to the Jubilee meant its 1972TS were replaced by the Bakerloo's 1938TS; the last Bakerloo 1938TS ran on November 20 1985 formed of 10291-012371-11291+10012-012256-12077-11012 which was specially restored to near-original condition in 1984 as the 'Starlight Express' thanks to a West End theatre ticket agency's sponsorship.

This and four other 1938TS trains re-entered service on the Northern in near-original livery between September 1986 and January 1987: the last running on May 19 1988 just six weeks short of a 1938TS half-century in London service.

Right: Nine pairs of 1938TS Driving Motors were rebuilt at Eastleigh Works for Isle of Wight operation – the first unit (483001 – cars 121/122, ex-10184/11184) entered service on July 13 1989. It uniquely carried a greater area of yellow on its cab fronts, continuing on the corners and to solebar level, as seen at Sandown on June 16 1990. DAVID JUKES

Below: The 1938TS – and the 1935TS prototypes – required a reduction in equipment size to enable it to fit beneath the car floors. Previous stock required the fitting of larger diameter driving wheels and a raised floor area to enable traction motor installation; the raised area housed traction control equipment and the air compressor, all of which was too bulky to fit under the car floors, thereby losing around 15% of potential passenger space in a seven-car formation with three driving motors. Forty-four Standard Stock cars passed to British Rail in 1966 for operation on the Isle of Wight – unit 485045 (formed 10, 93, 94, 9) is seen on Ryde Pier on April 29 1989 shortly before its disbanding and replacement by Class 483 1938TS units. DAVID JUKES

DID YOU KNOW?

The 1938TS was unfortunate to be involved in the Underground's worst train accident when a six-car train overran the Moorgate terminus platform on February 28 1975 and struck the tunnel end at speed. The driver and 42 passengers lost their lives.

NINE-CAR EXPERIMENTS

Complaints about overcrowding on the Northern in the mid-1930s led to the experimental running of nine-car trains which required platform extensions at open-air stations and special measures at the seven-car length Tube platforms. The initial Standard Stock formations were considered so successful that the 1938TS order included ten nine-car block trains – four each for the Golders Green and High Barnet branches with two spares.

Changes were made to the standard 1938TS car types to ensure door controls and hand brakes remained within Tube platform limits. These were placed in third and seventh-placed Special NDM cars instead of the end DMs.

Two of the four Northern nine-car workings used 1938TS by June 1939, but this proved short-lived as the nine-car trains were reformed into block seven-car trains from the start of hostilities, remaining thus until renumbering and reformation in 1949.

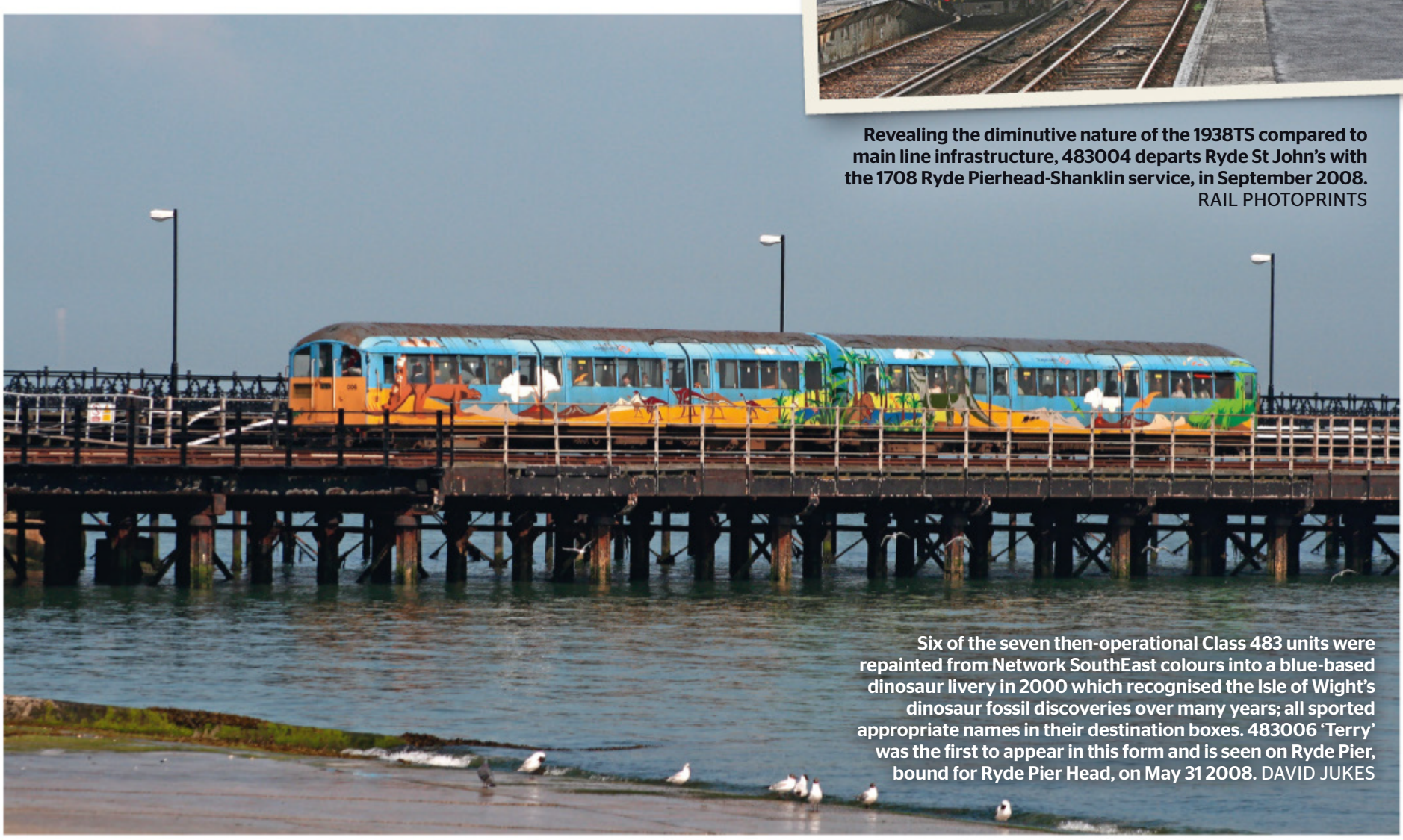
WARTIME AND 1949 STOCK

The Second World War did not cause LT to immediately cease its network extensions; the Bakerloo reached Stanmore in November 1939, and the Northern served High Barnet (1940) and Mill Hill East (1941). Further work was abandoned for the duration (it was not restarted on the Northern) with later 1938TS deliveries stored or deferred (delivery of the last 27 1938TS cars was made in 1946 with the final example not entering service until May 1952).

Post-war priority was given to removing the remaining Standard Stock from the ➤

Above: British Rail acquired 44 1938TS cars for the Class 483 conversion programme, essentially to increase the availability of spare equipment. Twenty of these went to the Isle of Wight (18 in two-car pairs and two as spare body shells), while the remainder were broken up – one at Eastleigh Works with the others sent by road from Fratton to scrap dealer D.G. Corbin of Wimborne. The yellow 1938TS cars seen at Fratton on August 22 1991 pending removal were latterly Ballast Motors. DAVID JUKES

Above right: Two 1938TS Driving Motor body shells were sent to the Isle of Wight should usage either demand a tenth unit or accident damage require a replacement car. Former LT 10139 and 11172 were nominally 483010 (cars 130 and 230 respectively) but were kept in all-blue livery from their 1992 arrival on the Isle of Wight, initially on the Ryde Depot headshunt and latterly (minus bogies) on spare land alongside Ryde St John's Road station, as seen in November 2003. DAVID JUKES



Revealing the diminutive nature of the 1938TS compared to main line infrastructure, 483004 departs Ryde St John's with the 1708 Ryde Pierhead-Shanklin service, in September 2008. RAIL PHOTOPRINTS

Six of the seven then-operational Class 483 units were repainted from Network SouthEast colours into a blue-based dinosaur livery in 2000 which recognised the Isle of Wight's dinosaur fossil discoveries over many years; all sported appropriate names in their destination boxes. 483006 'Terry' was the first to appear in this form and is seen on Ryde Pier, bound for Ryde Pier Head, on May 31 2008. DAVID JUKES

1938 TUBE STOCK – FACTFILE

TABLE 1: 1938 TUBE STOCK (AS BUILT)

Vehicle Type	Builder	Numbers
A-end DM	MCCW	10012-10323
D-end DM	MCCW	11012-11323
A-end DM (9-car)	MCCW	90324-90333
D-end DM (9-car)	MCCW	91324-91333
NDM	MCCW	12000-12028, 12409-12411, 12422-12446
NDM	BRC&W	12059-12157
NDM (9-car)	MCCW	92029-92058, 92447-92466
Trailers	BRC&W	012158-012388, 012412-012421, 012467-012476
Trailers (9-car)	BRC&W	092389-092408

TABLE 2: 1949 TUBE STOCK

Trailers	BRC&W	012495-012515
A-end UNDM	BRC&W	30022-30045
D-end UNDM	BRC&W	31000-31045

TABLE 3: CONVERSIONS

	Original numbers	New numbers
1935TS DM to Trailers	10000-10008, 11000-11008	012477-012494
DM (9-car) to standard DM	90324-90333, 91324-91333	10324-10333, 11324-11333
NDM (9-car) to standard NDM	92029-92054, 92056, 92057	12029-12054, 12056, 12057
NDM (9-car) to A-end UNDM	92055, 92058, 92447-92466	30000-30021
Trailer (9-car) to standard Trailer	092389-092408	012389-012408
UNDM to Trailer (1964)	30001	012516
NDM to Trailer (1966)	12151	012151
Undamaged DM ends to Trailer (1966)	11073, 10296	012517
NDM to Trailer (1970)	12022	012022

TABLE 4: 1938TS ON THE ISLE OF WIGHT

LT Numbers	NSE Numbers	NSE Unit Number	Entered Service
10184-11184	121-221	483001	July 1989
10221-11221	122-222	483002	October 1989
10116-11116	123-223	483003	October 1989
10205-11205	124-224	483004	May 1990
10142-11142	125-225	483005	May 1990
10297-11297	126-226	483006	May 1990
10291-11291	127-227	483007	June 1990
10255-11255	128-228	483008	July 1990
10229-11229	129-229	483009	June 1992
10139-11172	-	-	-

1938TS AS LT SERVICE STOCK

● DMs 10130-11130 converted into two-car Acton Works electric yard locomotive L13A/B in 1974. Withdrawn in 1986 when car overhauls moved to line depots.

● Tunnel Cleaning Train constructed at Acton Works (1974-1978) formed with converted DMs TCC1 (ex-10226) and TCC5 (ex-10087) at each end. Scrapped Ruislip Depot December 2012.

● Seventeen Ballast Motors L140-L155 (used as motive power in engineering or ballast trains) converted from DMs at Acton Works between 1972 and 1980 (L140 used twice as first destroyed by fire January 1979). L150 and L151 formed weedkilling unit, scrapped Ruislip December 2012.

● DMs 11247, 11165 and 10165 converted to personal carriers PC857-859 1980/81. Withdrawn early 1990s.

● Trailer 012331 intended as Track Recording Car TRC912. Stored at Acton Works unused until 1987 transfer to Ealing Common Depot as stores vehicle. Scrapped 2006.

1938TS IN PRESERVATION

● London Transport Museum: DM 11182 at Covent Garden. Four-car unit 10012-012256-12048-11012 in operational condition at the Acton Depot (original 11012 damaged in 1983 and replaced by renumbered 11178).

● Craven's Heritage Trust: Converted 1938TS Trailer 4927 formed with 1960TS DMs 3906 and 3907. Stored at London Underground's Northfields Depot.

● Isle of Wight Steam Railway: 483007.

● London Transport Traction Group: 483006 and 483008.

Bakerloo and completing its platform extension works to enable seven-car trains. An extension from Elephant & Castle to Camberwell Green was proposed in 1948, for which 91 additional 1938TS-compatible cars were ordered from BRC&W as the 1949 Tube Stock (1949TS).

The 1949TS consisted of 21 Trailers and 70 Un-coupling Non-Driving Motors (UNDM) – see Table 2. The latter was a new type fitted with a Wedglock coupler and shunting controller at its outer end to enable a three-car portion to be moved into and out of service; the shunter using the communication door window for forward vision. Twenty Special NDMs from the nine-car experimental trains and two standard NDMs were also converted to UNDMs.

The 1938TS and its compatible variants now numbered 1,288 cars, formed into 184 seven-car trains on the Northern (115) Bakerloo (54) and Piccadilly (15). Two major stock reformations in the early 1950s made use of spare Trailers and the new UNDMs (see Table 3). A livery change was made around this time; the cream window pillars became red as cars were repainted.

LT also used the 1938TS to test new and experimental lighting, ventilation, and control systems. Perhaps the best-known trial was carried out on DM 10306 in 1949 with the fitting of extended windows to enable standing passengers to look out without stooping, running in this form until its 1978 withdrawal.

NORTHERN & CITY LINE

Surplus 1938TS replaced the Northern and City Line's aging Standard Stock in the mid-1960s. This line's service was soon reduced to a Moorgate to Drayton Park shuttle, as its Finsbury Park station platforms were required for the Victoria Line, which operated until the line's infrastructure was handed over to British Rail in October 1975 as part of its Great Northern electrification scheme.

Above: London Transport Museum's 1938TS unit is kept at its Acton Depot; the interior of a driving motor car looking towards the guard's controls at the non-driving end is seen there on October 16 2010. DAVID JUKES

Below: A pair of Class 483 units – 483009/7 call at Sandown with an early evening service to Shanklin, in July 2005. RAIL PHOTOPRINTS

Island exile

It was apparent by 1987 the continued operation of former LT Standard Stock on the Isle of Wight was not economic. 1959 or 1962TS was not available, so Network South East (NSE) obtained most of the remaining 1938TS cars from London Underground.

Forty-four cars were acquired from which eight two-car units – formed of DM pairs – were initially converted at BRML Eastleigh; a ninth unit later followed as did a pair of spare cars. The Class 483 units wore NSE livery and numbers 001-009 (see Table 4). Fluorescent lights and public address equipment were fitted, together with replacement flooring, upholstery, and woodwork. Remaining redundant cars were moved from Fratton for scrap between July 1991 and February 1992.

Sets 483003 and 483005 swapped cars to form one working unit in February 1994. The new 483003 (123-225) returned to service and 483005 (formed 125-223) was withdrawn, thereby reducing the island fleet to eight units.

Further reductions followed; cars 123 and 221 were withdrawn in May 1995, and 121 and 222 in June 1996. 483002 was now formed 122-225 with 483004 and 483006-009 (inclusive) retaining original formations. Withdrawn cars 121, 125, 222 and 223 were scrapped in April 2000 while 123 and 221 were stored at Ryde St John's Road before scrapping in June 2006 (Spares donors 10139-11172 were scrapped in the late 2000s).

NEW LIVERIES AND FINAL WITHDRAWAL

In 1996 the Island Line franchise was won by the Stagecoach Group. Units 483002/004/006/008/009 were repainted light blue with Dinosaur vinyls during 2000; the exception (483007) carried London Transport red and cream livery in recognition of its cars forming part of LT's 'Starlight Express' train, albeit now with yellow warning panels. Damage sustained in October 2000, when Ryde Works flooded, delayed its service return until 2003.

The other units were also painted red upon overhaul in 2007, at which time seating was reupholstered using the same moquette as the Underground's refurbished A-stock.

South Western Railway took over the franchise in 2017 with the units receiving its logos and 'Island Line' legend in white on the car sides. The units' age, and difficulties in sourcing spare parts, caused several operational issues and resultant service reductions; ultimately it was announced in September 2019 that the fleet would be replaced by converted Underground D-Stock.

The Class 483s last ran on January 3 2021 with 006, 007 and 008 confirmed for preservation. The oldest EMUs in regular service are now the Bakerloo Line's 1972TS.

HOW TO

MODEL COMMUTERS ON A BUDGET

Chris Leigh finds an inexpensive way to add passengers to EFE Rail's underground train.

In my experience it has always been unusual to see an empty Underground train. As a child, travelling on the London Transport Tube system always seemed to involve crowded platforms and trains crammed full to the gunwales. So, the one thing that I felt the new EFE 1938 Tube stock needed was a load of passengers – a substantial load.

There are certainly some problem areas, notably that I did not think it was a good idea to stick figures all over the electronics in the power cars, even if it was possible to do so. The small size of the seats and the slightly elevated floor means that 'HO' scale passengers will be a better fit than figures intended for 'OO' but even 'HO' passengers will need trimming off below the knees.

Another issue is cost. The train needs to appear pretty full, which means that most of the 30+ seats in each of the four cars need to be occupied. With 'HO' scale passengers from the likes of Preiser and Noch costing around £10 for half a dozen figures you could be looking at over £200 to fill the four-coach EMU. Clearly that is not an option, particularly when, to add insult to injury, it is going to be necessary to amputate lots of legs to make them fit.

There is a way out, however, and I found it

OO GAUGE | 4 hrs

some months ago, while searching for seated figures to populate a Bachmann diesel railcar. Search for 'seated passengers HO' on Ebay and you will be taken to various bulk packages of figures from China. At this point, a word of caution. I have no idea why, but some of these are for sale at absurdly high prices. I presume this is in the hope of catching buyers out and that they press 'buy' before realising they have committed to a ludicrously priced purchase. I'm surprised that Ebay allows it.

Bulk packs of 50-200 figures are available and there are various packs, some much better quality than others. I bought a pack of 100 for the railcar. They were, in a word or three, cheap and nasty, and also a little under-sized even for 'HO' scale. For that reason I did not use them in the Bachmann DMU but consigned them to my 'Figures' drawer. They surfaced again as I was looking for figures to suit the EFE Tube stock and they offer a distinct advantage for this particular job.

We only need to see head and shoulders and when viewed through the windows, any figures tend to appear largely as silhouettes. Each pack consists of multiple numbers of the same six or eight mouldings, in various different colours of plastic. They are largely unpainted, most having nothing more than a dab of black paint to give them a very basic hair-do.

Once installed in the seats, it is not difficult to give them a quick brush-over with more subdued 'western hemisphere' coloured clothing and to retouch the hair with dark brown. A dab of flesh colour on faces and hands also improves the look of them, and I found that I had no qualms about trimming the legs of these less expensive figures.

AVAILABILITY

Availability and prices on Ebay can vary very quickly, but a check on April 19 showed numerous options under 'Seated figures HO', including a pack of 50 at £5.95 and the pack which I've used here – 100 for just £4.14. If I was buying now I would go for a pack that showed a lot more varied and better quality mouldings at 60 for £12.99.

PHOTOGRAPHY: CHRIS LEIGH

Masterclass

STEP BY STEP

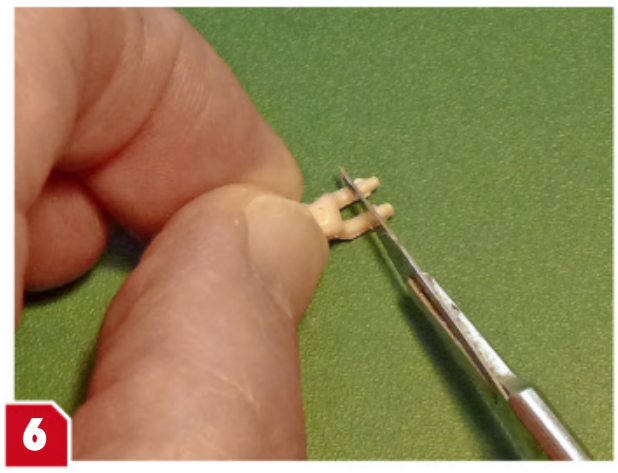
Opening up the EFE Tube cars is easy. A fine blade inserted between the lower edge of the body and the chassis will release the clips above the bogies. Slide the blade towards the ends to release both clips, either side.

The body lifts off – there's no wiring to detach. Power is transmitted between the chassis and the lighting strip by two metal posts. When refitting the body, make sure it's the correct way round for these to locate in the chassis.

The two different interiors. The control desk on the motor coach is indicated but there is no seat and I could not find an appropriate figure, so I've left my train driverless for now.

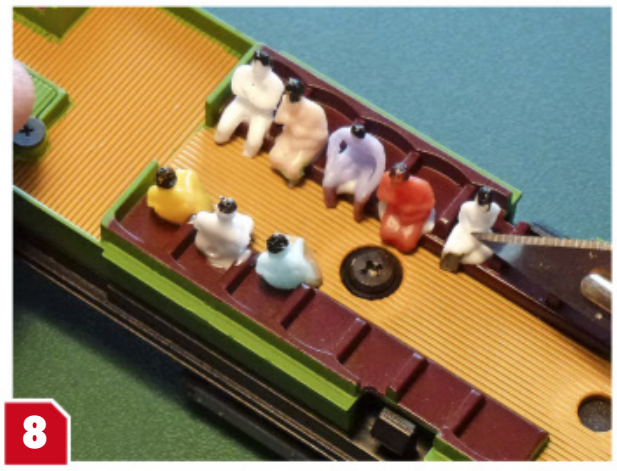
The bag of Chinese figures. These are a little undersized, even for 'HO' scale, but they provide a cheap and simple way to add passengers to the EFE model and can be improved with a little extra paint.

The flesh-coloured mouldings need to have clothing painted and most of the coloured mouldings benefit from a dab of paint and flesh colour for faces and hands.

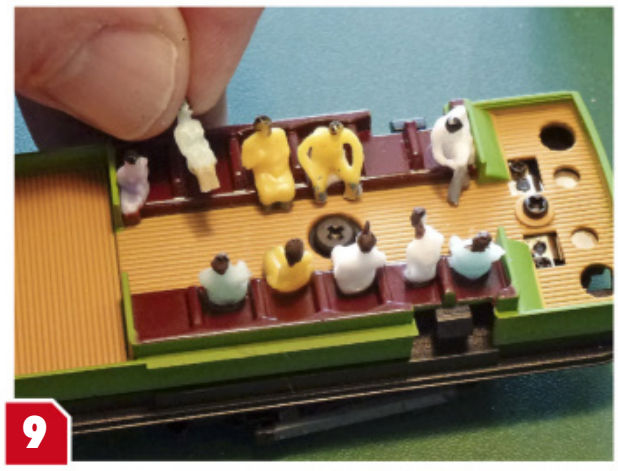


I made no attempt to paint individual figures before installation. I removed any excessive flash and trimmed off the legs with a sharp craft knife mid-way below the knees.

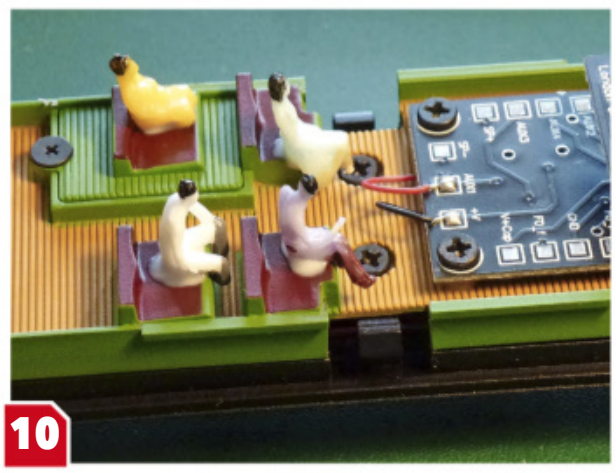
A spot of Velo-Set adhesive (Javis quick-setting PVA) was applied to the figure's posterior and it was then pressed into place on the seat. I left all figures to set in place overnight and found they were really firmly attached.



I used a craft knife to position the figures, especially the ladies, whose skirts oblige some of them to sit sideways. I had plenty of figures so I could fill virtually every seat.

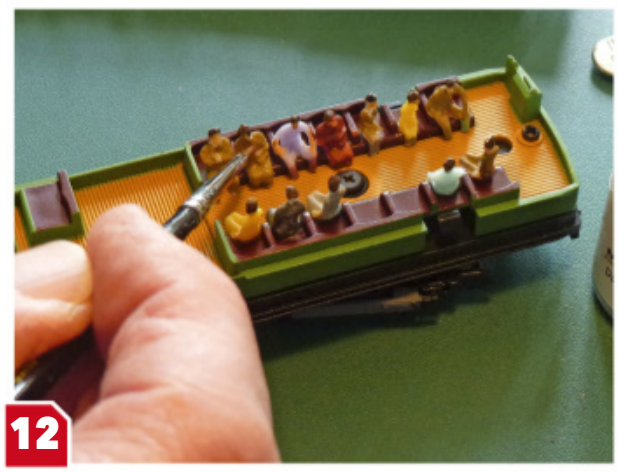


There were rather a lot of white mouldings and nobody in their right mind wears white on the Underground! I had already repainted some of the heads with dark brown hair.



In all cases I positioned figures well away from the carriage sides to avoid any risk that they might foul the glazing and prevent the carriage body fitting back in place.

Once the glue had dried the figures are firmly attached and it was easy to paint them using Omen Acrylics from the figure painting set. I chose mainly subdued colours, greys and browns for 1950s Londoners.



The paint easily covers the translucent 'plasticky' look of the figures and by using a really small brush the face and hands can be dabbed with flesh colour. Little else is needed.

Grinding & Polishing with...

PROXXON

A FINE FINISH FROM THE FINE TOOL COMPANY!

PROXXON offers everything you need to grind, polish and clean your projects to perfection. Get into every corner, refine surfaces and polish a range of materials with PROXXON grinding and polishing machines.

BATTERY-POWERED ANGLE POLISHER WP/A

- Cordless freedom with 2.6Ah, 10.8 V Li-Ion battery
- For polishing, cleaning, sanding and light rust removal
- Supplied in carry case with wide selection of accessories

PM 100 POLISHING MACHINE

- Variable speed from 1,000 to 3,100rpm
- Very quiet with low vibration
- Supplied with a muslin polishing wheel, fabric polishing wheel and a polishing bar

BATTERY-POWERED RANDOM ORBITAL POLISHER EP/A

- Continuous variable speed control 1,100 to 2,600rpm
- Perfect for finishing spot repairs on bodywork
- Supplied in carry case with wide selection of accessories

SP/E GRINDING & POLISHING MACHINE

- Electronic speed control from 3,000 to 9,000 rpm
- Slim housing facilitates the grinding of long workpieces
- Supplied with 50 x 13mm corundum and silicon carbide discs

Explore what PROXXON has to offer at your PROXXON dealers:

AXMINSTER TOOLS
axminstertools.com

BARNITTS LTD.
barnitts.co.uk

BEESLEYS
tool-shop.co.uk

C W TYZACK
tyzacktools.com

CHRONOS LTD.
chronos.ltd.uk

COOKSONGOLD
cooksongold.com

D J EVANS (BURY) LTD.
djevans.co.uk

G & S SPECIALIST TIMBER
toolsandtimber.co.uk

H S WALSH
hswalsh.com

HOBBIES LTD.
hobbies.co.uk

R W MORTENS LTD.
01943 609131

RDG TOOLS
rdgtools.co.uk

SNAINTON WOODWORKING SUPPLIES
snaintonwoodworking.com

SQUIRES
squirestools.com

THE CARPENTRY STORE
thecarpentrystore.com

TOOLITE
toolite.org.uk

WESTCOUNTRY MACHINERY 4 WOOD
machinery4wood.co.uk

YANDLES OF MARTOCK
yandles.co.uk

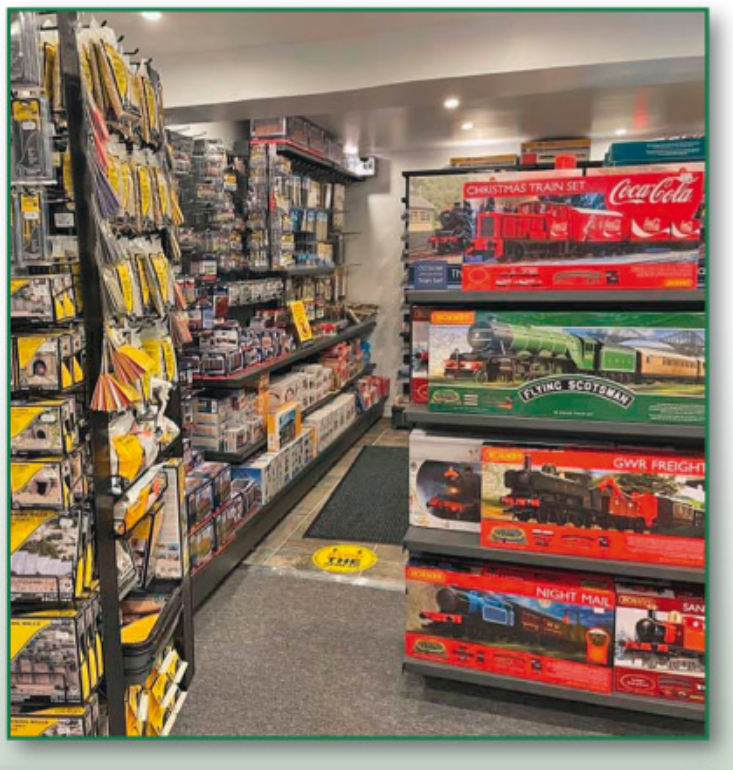
KJB MODELS

NEW & SECONDHAND MODEL RAILWAY DEALER

Please visit our website

www.kjbmodels.co.uk

NEW MODEL SHOP IN HENSALL, YORKSHIRE



GOOD QUALITY PRE-OWNED MODEL RAILWAY ITEMS ALWAYS **WANTED**

Sell us your secondhand model railways in all gauges including, N Gauge, OO Gauge and O Gauge.

www.webuymodelrailways.co.uk

Have you got a Model Railway to sell?

We buy Pre-owned Model Railways and Model Trains. We are always looking for Model Railways in all gauges.

Here are some examples of the brands we have purchased:

Hornby, Bachmann, Graham Farish, Dapol, Heljan, Mainline, Oxford Rail.

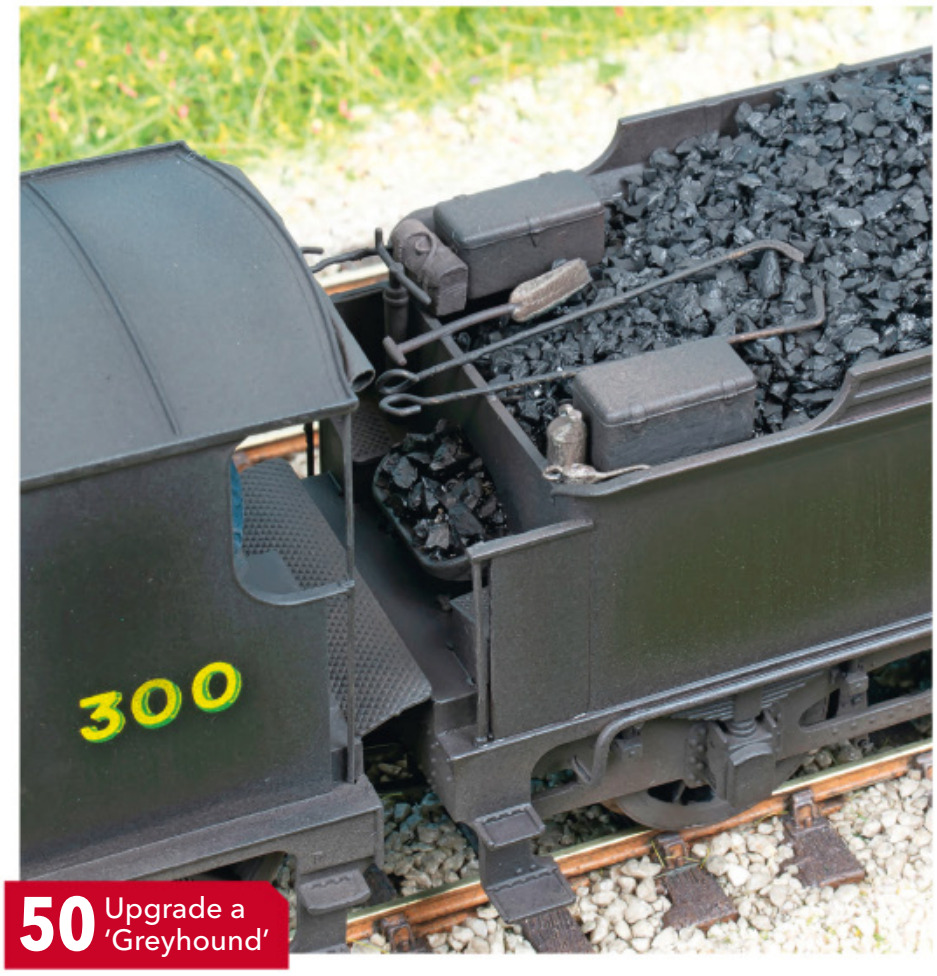
Visit us on FACEBOOK

Tel: 01977 525861/07542 710005

Email: enq@kjbmodels.co.uk

PayPal VISA MasterCard

Workbench sponsored by
HARDER & STEENBECK
www.harder-airbrush.eu



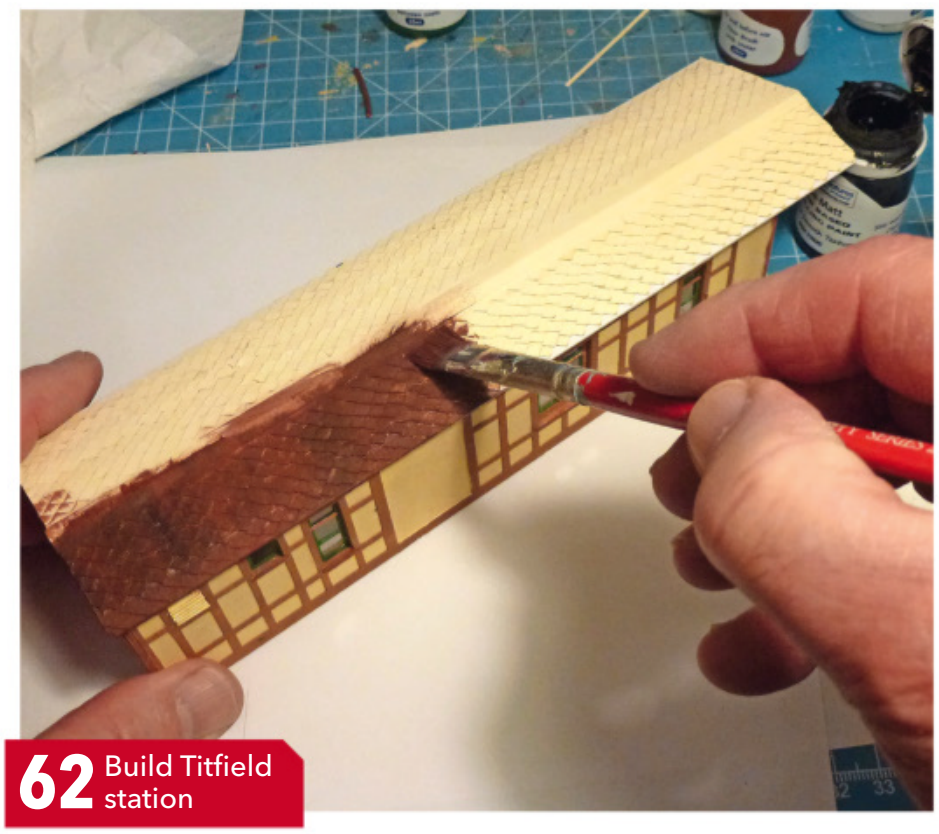
50 Upgrade a 'Greyhound'

54 Weather a brake van

Workbench

17 pages of projects, advice and top tips that show you how

58 Parkside BR 13T hopper wagon kit tested



62 Build Titfield station

Meet the *Model Rail* Expert modellers

George Dent
Learn from one of the country's best modellers.

Chris Nevard
Our ace snapper is also a hugely talented modeller.

Chris Leigh
Quite simply, what Chris doesn't know isn't worth knowing!

Project difficulty ratings

Easy: one screwdriver

Very hard: five screwdrivers.

HOW TO

UPGRADE A 'GREYHOUND'

George Dent adds some extra detail to the footplate of his Hornby 'T9' after changing its number to celebrate *Model Rail*'s 300th issue.

PHOTOGRAPHY: GEORGE DENT

00 GAUGE **MODEL** Hornby 'T9' 4-4-0 | 12 hrs |

In previous landmark issues of *Model Rail*, I've created models to match the occasion: A Class 45 'Peak' as D100 and a Class 150 DMU conversion for the 100th and 150th issues (in case you hadn't guessed!).

For this issue, another diesel option would've meant a disc-headcode Class 40 as D300. While I seldom pass up the chance to work on a Class 40, I did fancy something 'steamy' instead. A wee bit of research threw up a Scottish-style LSWR Drummond 'T9' 4-4-0, which carried No. 300 up to nationalisation. Did the real thing wear the wartime plain black with 'sunshine' lettering? I hoped so, as that would make for a very easy re-numbering project.

Alas, I drew a blank in terms of pictorial proof, but I decided to gamble and go ahead anyway. One thing I've found in recent years, with the scarcity of certain 'OO' locomotives, is that some of my projects have been dictated by what donor models I can actually get hold of, without spending a fortune. A trawl across a well-known internet auction site turned up a wartime black 'T9', with the correct six-wheel tender and wide cab/splasher arrangement, at a sensible pre-owned price.

I'm not sure if the model (Hornby R2829, 'T9' No. 314) had ever been used, so I felt pleased with the purchase initially. However, when I came to remove the body, the motor housing disintegrated – the dreaded Mazak rot! Luckily, it turned out that we had a much more recent Hornby 'T9' in the *Model Rail* office, so I could effect a rapid chassis swap. This prompted Chris Leigh to check his 'T9' collection, some of which were also affected, as he mentioned in last month's Backscene.

A few readers have since been in touch to say how helpful Hornby had been in providing replacement parts for damaged models. So, if your 'T9' has suffered from crumbling metal chassis components, we recommend contacting Hornby in the first instance. Peter's Spares offer a bespoke replacement motor mount (*www.petersspares.com*) and Chris has been experimenting with installing one. It's also worth noting that Hornby subsequently tweaked the design of the 'T9' chassis to mitigate against similar issues.

Back to the Southern's No. 300 and, in this demonstration, we'll concentrate on changing the numerals on the cab and bufferbeam, plus adding a range of extra details. Finally, a subtle weathering job was required, befitting a steam locomotive in the pre-BR 1940s era.

Is it too soon to think of potential projects for MR400? I might be tempted to revert to a diesel for that one. Any guesses which one?!

sponsored by
HARDER & STEENBECK
www.harder-airbrush.eu

Prototype factfile: LSWR 'T9'

Dugald Drummond's classic 4-4-0s were designed for the London & South Western Railway and introduced from 1899. The 66-strong class of express passenger locomotives gained the nickname 'Greyhounds' owing to their high-speed capabilities.

Production of the fleet was spread across the LSWR's Nine Elms Works and Dübs & Co. Glasgow. No. 300 was one of the LSWR-built batch, emerging in 1900 and it retained its original LSWR number after the Grouping. British Railways changed the number to 30300 and the locomotive was withdrawn in 1961. A single 'T9' was preserved, No. 30120 (above), which is part of the National Collection and based at the Swanage Railway.

What George used

MATERIALS

- T-Cut finish restorer
- LifeColor acrylic paints and dry pigment, AlcladII clear gloss (*www.airbrushes.com)*
- Tamiya acrylic paints and thinners
- Coal chippings

DETAIL PARTS

- Modelu 1090-076 Seated driver, 1089-076R Seated locomotive crew leaning to right, 2760-076 Loco crew detailing pack, 2074-076 SR Loco lamps
  Web: *www.modelu3d.co.uk*
- Mainly Trains MT256 Loco detail fret 2 (SR indicator discs)
  Web: *www.wizardmodel.ltd*
- HMRS Pressfix Sheet 10 – Southern Bulleid locomotive insignia
  Web: *www.hmrs.org.uk*

TOOLS

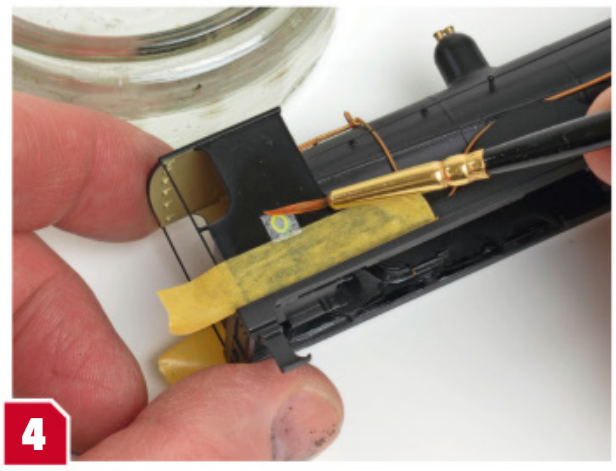
- Knife and spare blades
- Miniature screwdrivers
- Tweezers
- Cotton buds
- Cocktail sticks
- Calipers
- Paintbrushes
- Airbrush and equipment (optional)

STEP BY STEP

1 With a little T-Cut and a cotton bud, the printed numbers were gently rubbed away. Use gentle pressure and swap to a clean bud and fresh T-Cut at intervals. Once the digits have gone, use dry buds to buff the surface clean.

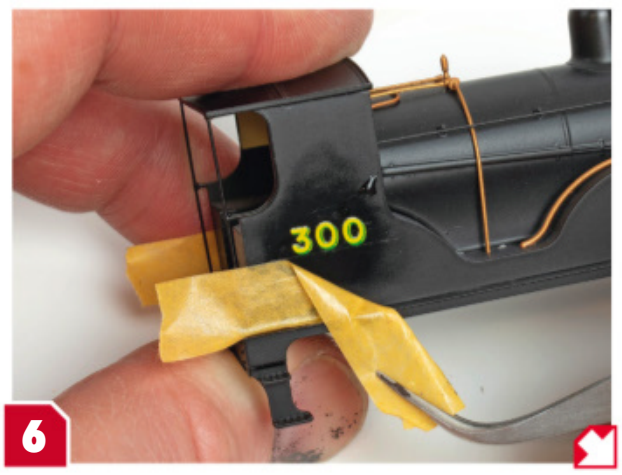
2 After buffing, the surface will be left with a polished finish. Be sure to remove all traces of the T-Cut, or it will leave a powdery deposit. Leave overnight before measuring and marking out for new numbers with masking tape.

3 When applying individual numbers, I always start with the centre digit. The HMRS pressfix decal is carefully cut and peeled off the backing sheet. Place loosely in position and adjust its position until it sits exactly where it needs to.



4 When absolutely sure that the digit is aligned correctly, wet the paper film with clean water. After a minute or so, the film can be slid away. Carefully dab away any excess water from the surface with a cotton bud.

5 The digits either side of the centre character can then be added in turn, following the same procedure. Brushing over with Micro Set solution removes any traces of gum from the decals and helps them settle onto the surface.

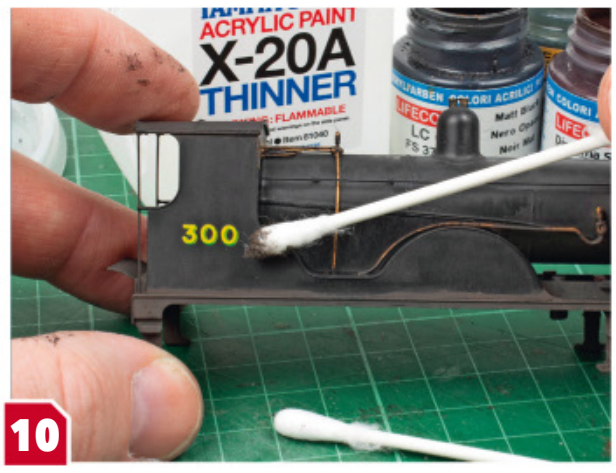


6 Allow a couple of hours for the decals to dry out before gently peeling away the low-tack tape. The tape is a visual guide only, so don't apply the decals against the edge of the tape or they will be damaged when it's peeled off.

7 A light coat of clear satin varnish was airbrushed over the new cabside numbers (an aerosol would suffice). While the body dried, I painted the chassis and wheels with a blend of LifeColor acrylic paints mixed with a little dry pigment to add texture.

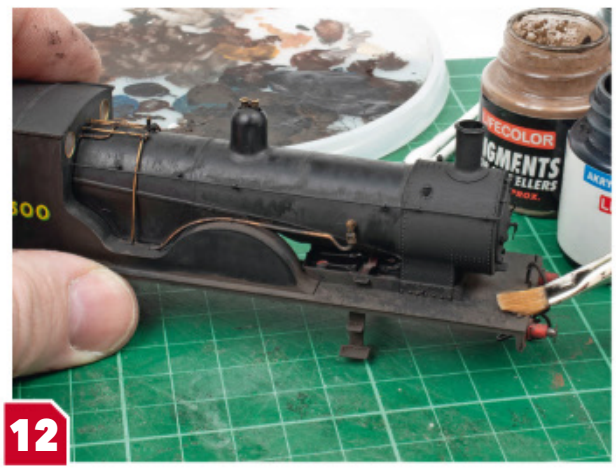
8 The same mix was also applied to the tender chassis, taking care around power collector strips which can be easily damaged. A mix of matt black, weathered black and blackened umber paint was used, with Golan dark earth dry pigment.

9 The LifeColor matt black and blackened umber were blended and brushed over the tender body, before immediately wiping it away with cotton buds in downwards strokes. This leaves feint streaks of the matt pigment. One side at a time was treated.



10 The same blend was applied to the locomotive body in the same way, wiping away most of the paint with the swabs. A little Tamiya acrylic thinner will help shift the paint if necessary. Take care around all the delicate detail fittings.

11 Reverting to the paint and pigment blend used on the chassis, the tender top and internal edges of the bunker were dabbed with the textured finish. A little rust-coloured paint creates a nice contrast with the bodywork.



12 The locomotive's footplate was treated to the same textured coating, dabbed onto the model with a soft flat brush. The dabbing action creates a random texture and removes the risk of creating linear brush strokes.

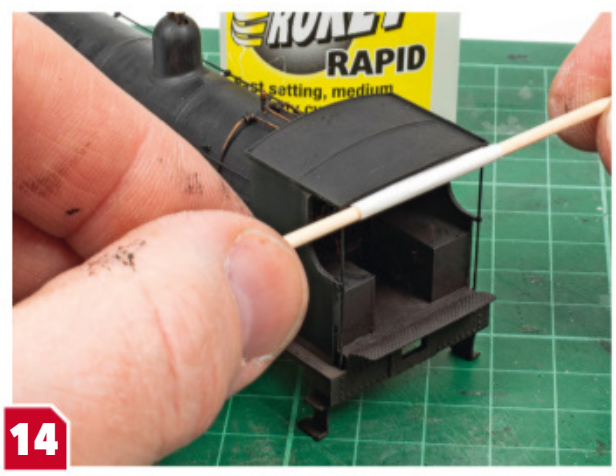
TOP TIP

COALING UP

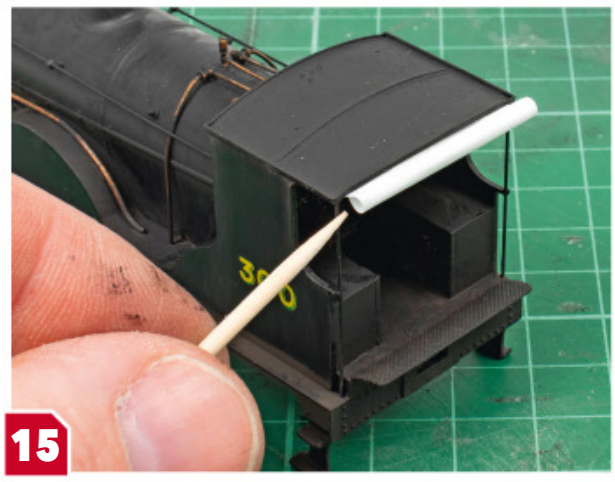
The tender was loaded with real coal chippings, applied in a thin layer over the moulded plastic load. The loose material was fixed with Ballast Bond from Deluxe Materials, applied via a pinpoint tip. The tender had to be raised slightly at the front end to prevent the thin glue from running out onto the footplate, but not raised too much, in case it ran backwards instead!

If you do need to remove any excess glue, a damp cotton swab will do the trick. Apply the glue sparingly, however, and it shouldn't cause problems. Allow it to dry overnight and, if some of the coal is still loose, add a little more glue.

13 Before weathering any further, I needed to add a storm sheet to the cab. Hornby's model features securing hooks on the cab roof, so a rectangle of cigarette paper was cut and bonded to the roof with a bead of cyano glue.



14 While we don't condone smoking, the cigarette paper is thin and flexible but doesn't tear easily, making it ideal for lots of modelling tasks. The paper was rolled around a cocktail stick and secured with a little more glue.



15

After waiting a few seconds for the cyano to set, the cocktail stick could then be slid carefully out. The rolled paper can then be shaped to appear a little more haphazard before painting with a dark grey acrylic paint.

16

The brush-applied weathering looked a little rough, but the effect was softened dramatically by misting a very light mix of matt black, dark grey and red brown Tamiya acrylics over the locomotive and tender bodies and chassis.

17

The blend of paints was tweaked to cover different areas of the model and to add darker shading here and there. The smokebox and cab roof, in particular, were treated to a darker mix, with a 'browner' shade misted onto the chassis and tender top.

18

When the Tamiya paints had dried, a clear gloss (AlcladII) was airbrushed over the tender and cab sides, splashers and boiler, to mimic a polished appearance. This is a great way of replicating the appearance of steam locomotives, but an airbrush is essential.

19

Once everything is dry, the model was placed in a foam servicing cradle (*www.dccconcepts.com*) and the wheels and power collectors were cleaned carefully with fine cotton swabs and microbrushes, with the aid of Loco Go! (*www.hobbytrax.co.uk*).

20

The footplate crew and detail parts, from Modelu, were tacked to scraps of wood (old pegs) with tiny drops of cyanoacrylate glue. After a coat of aerosol-based primer, they were painted with various acrylics.

21

A set of SR indicator discs (sprayed with white primer) was cut from an etched detail fret. The Modelu footplate details – driver's bag, oil cans, shovel – were fixed to the tender, along with fire irons shaped from brass wire.

22

The Modelu footplate crew were also installed. The driver needed his left leg trimming at the knee to allow him to sit facing forward. The tea can was placed on the firebox shelf and a handlamp placed on the fireman's bench.

HOW TO

WEATHER A BRAKE VAN

Don't think you can achieve great weathering results without an airbrush or special gear? **Chris Nevard** reveals how just a few simple ingredients can be used to cook up something very special.

00 GAUGE **MODEL** Oxford Rail OR76TOA002 six-wheel GWR 'Toad' brake van | 2 hours

The idea of weathering locomotives and rolling stock can put many off, but in fact it need not be daunting or expensive.

For this demonstration, I made use of matt emulsion 'test pots', plus some Humbrol acrylic paints. Test pots are great – they are easy to source, dry completely matt and are available in all sorts of natural tones and colours. I'm a big fan of matt emulsion for scenic work, but increasingly I find they're great for weathering rolling stock too.

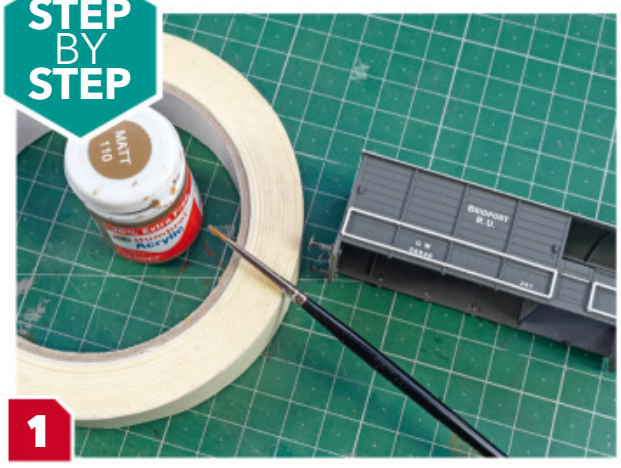
The effect that I was aiming for was that of a wagon that has been almost forgotten, but nevertheless showing signs of basic repairs. It's a good idea to have a look through books and trawl the internet for inspiration. Paul Bartlett's website, in particular, is a goldmine of reference images for all manner of British Railways wagons (*www.paulbartlett.zenfolio.com*).

This proved to be a good Sunday afternoon project and, by using these methods – and a little practice – some effective results can be produced. If you do make a mess, a damp cloth can wind the clock back. In fact, taking off what you have just done can produce a good effect in itself, especially if you want a less weathered look. Experimentation is the key. Try it for yourself – and have some fun!

PHOTOGRAPHY: CHRIS NEVARD

sponsored by
HARDER & STEENBECK
www.harder-airbrush.eu

STEP BY STEP



1

I like the look of replacement planking. I know it's a bit of a modelling cliché, but it creates an effective appearance of age and adds some character. Using a small round brush, 'replacement' planks can be picked out in a dusty brown colour.

2

I'm using hobby acrylics here, but enamel will work just as well. Matt emulsion will work too, but later washes might remove it. Bare wood varies from pale grey to orange, depending on age and the type of timber. Look at the real thing for inspiration.

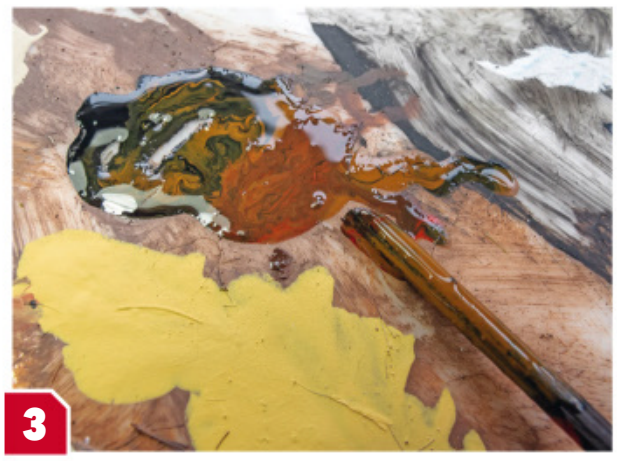
What Chris used

TOOLS

- Small screwdrivers for dismantling.
- Paintbrushes: A OOO size sable brush for fine detail and a selection of bigger flat and round brushes for washes and dry-brushing.

PAINTS

- Interior matt emulsion match pots and various modeller's acrylics.



3

There's no need to be too tidy at this early stage, as subsequent weathering will cover up any untidiness. Using an old plate, I created a mix of brown, red and black acrylic. Enamels are just as effective.

4

Using the 000 sized brush, random patches of various red/brown shades were applied, picking out spots of rust and other bits of wear and tear. Again, there's no need to be too accurate at this stage.

5

Next the grubby bit: for this I use matt emulsion. It's water-based, so it won't lift off the acrylic or enamel previously applied. Using that plate again, we start off with a dollop of black and maybe a dash of brown matt emulsion.

6

You might want to add a tiny dash of water if the paint is too thick. Then, with a reasonable sized brush, I 'splodge' a healthy dollop of the mix over one side of the model.

7

Before it dries, dab off the excess with kitchen towel, leaving the dark pigment in the recesses. Leave to dry, then treat the other side, ends and chassis. Remove any excess with a damp cloth or kitchen towel.

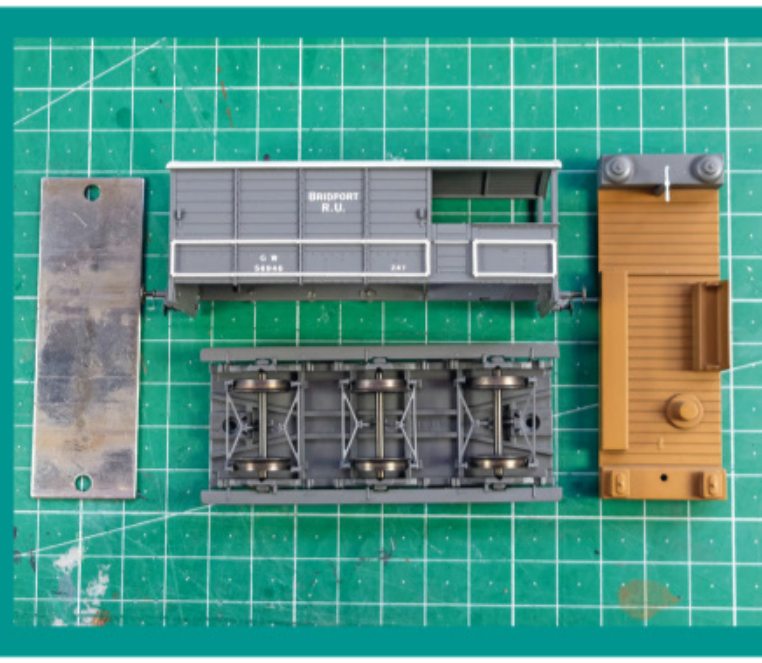
8

Dry-brushing follows. This is a great technique to bring out detail. The method is simply to pop a small amount of a chosen colour onto a brush, then remove most of it on to kitchen towel. You are now ready for the clever bit...

TOP TIP

CHRIS' TOP TIP: TAKE IT APART

The first job was to dismantle the brake van, something that's not always required, but it would make access to some parts of the model easier, especially the veranda area. For this model, pushing the buffer shanks out from behind allows the chassis to pull out. And if a model is easier to handle, it makes the weathering job that bit easier. Some of the underframe detail is quite delicate, so take care.



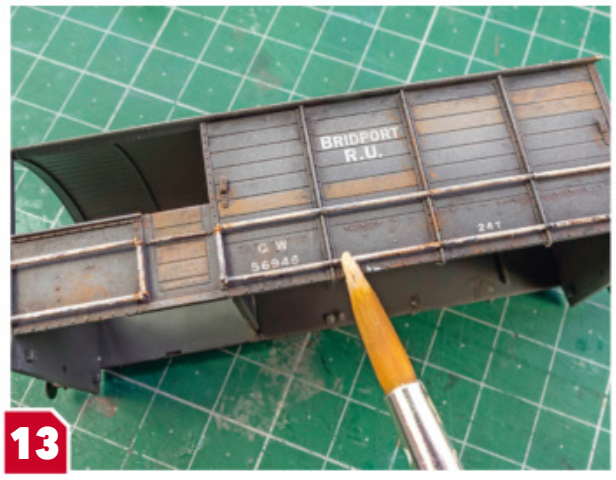
9

...you then scrub the brush over the model, and what little paint remaining on the brush will catch on the raised areas. I chose a light grey matt emulsion, though enamel paint is also great, not least as the slower drying time means it can be worked for longer.

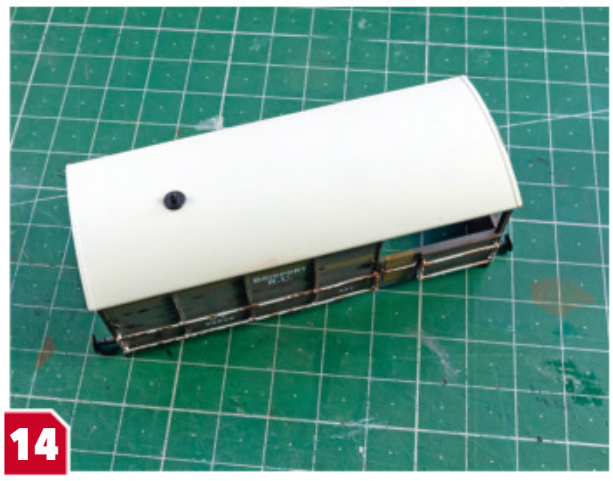
10 Beware of damaging any fine details, such as lamp irons and railings. Next, we go back to our plate and select some of our browns and black from earlier.

11 Randomly apply variations of browns and black around the underframe and wheels to suggest rust and grease. Be sure to keep the wheel treads and flanges clean, or the paint will invariably end up on the rails.

12 Using diluted matt black emulsion, a little was added under the roofline and other recessed areas in which soot and general dirt might collect. Lift any excess off with a damp cotton bud if need be.



13 My weathering on the handrails looked overdone, so I brushed a little diluted white acrylic over to soften the effect. As with most weathering, it's not an exact science and will take a little practice.



14 I must admit that the white roof of the GWR brake van scared me a little, however there are plenty of photographs online from which to draw inspiration. Some images suggest moss and mould build-up as well as soot and grime.

15 As earlier in the project, I stippled on a blend of black and brown acrylics, using an almost dry, stiff brush. The reason for acrylic? As before, it means that later water-based emulsion washes won't remove the paint.

16 With the stippled acrylic now dry (it usually takes a few minutes), a little diluted matt black emulsion is washed over. A useful tip is to add a drop of washing-up liquid, which helps the wash to adhere, especially if the factory finish has a slight sheen.

17 With a clean and dry soft brush, I gently stippled the wash, using a vertical dabbing action, until it dried. If necessary, wipe the brush clean every so often with a little kitchen towel. The stippling creates subtle, random patterns of grime.

18 And here we are with the finished result. Notice more dirt has built up around the stove's chimney, as well as the lower edges of the roof, where the dirt, moss and mould would be prone to collecting. When everything is fully dry, the model can be reassembled.

TOP TIP

EXPERT TIP

It's a good idea to try out new techniques on something not too treasured or expensive. As with any new practical endeavour, a little practice is required. Why not cut your modelling teeth on older or cheaper items of rolling stock, picking up pre-owned bargains or, as was the case here, capitalising on a great value new model. Oxford Rail's various 'OO' wagons are very keenly priced, despite boasting an impressive level of detail.

DMG electech

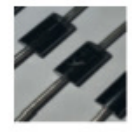
DMG Technical Limited

DMG Technical Ltd
Unit10 Glan y Llyn Ind Est
Taffs Well, Cardiff
CF15 7JD
Tel 02920 813136

The best choice for electronic parts and spares

Cable single and Bi Colour

Multicore


Diodes

Pushbuttons

Nylon fixings

Resistors

LED'S

Crimps

LD 101 DCC/ DC Controller

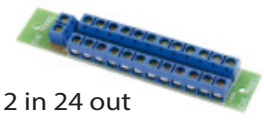
The amazing controller from ANE Model
A full funcion DCC and DC controller
3 year warranty
NMRA standard
8A Power booster coming soon

Full starter kit £129.99

Our decoders are fully NMRA compatible.
DCC standard decoder suitable size for OO/HO scale
Motor current 1.5 Amp continuous and 2 Amp peak
Motor overload protect adjustable
6 x 100mA function outputs
28 step adjustable speed table / long address
Advanced consist address setting
Supports running also in DC enviroment

Single £20.99
Packs of 5 £99.99

3 year warranty on all decoders

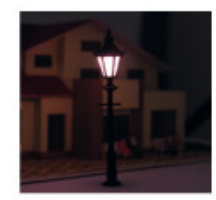

2 in 24 out
wiring module £3.59
Dual ended £4.25

DCC Decoder Test Board

DCC Decoder Tester
for 6, 8 and 21 pin socket
also 9 pin JST connector.

With Motor £28.99
Without motor £27.99
18 pin next adapter board available soon

New Street Lighting range



Prices from £6.99 Pk
See website for our expanding range and video

New Static Grass Aplicators From £23.99

Static Grass 4 Pack £6.49

LED,s

Light Emitting Diodes
Many other types Available

LD1 - 1.8mm (red, green, yellow)	£0.30
LD1 - 1.8mm (white)	£0.70
LD3 - 3mm (white, red, green, yellow, amber)	£0.20
LD14 - 3mm 12V (white, red, green, yellow)	£0.40
LD8 - 3mm Bi-Colour (rd/yl, gn/yl, gn/rd)	£0.40
LD10 - 3mm Tri-Colour	£0.75
LD12 - 3mm Flashing Red	£0.50
LD5 - 3mm Flickering Orange	£0.70
LD17 - 5mm (red, green, yellow, amber)	£0.40
LD15 - 5mm 12V (red, green, yellow)	£0.50
LD9 - 5mm Bi-Colour (rd/yl, gn/yl, gn/rd)	£0.50
LD11 - 5mm Tri-Colour	£0.75
LD13 - 5mm Flashing Red	£0.50
LD4 - 5mm Flickering Orange	£0.60

Grain of Wheat Bulbs
colours & clear
£0.40
100 clear £30

Din Plugs & Sockets

CDP3 3pin.....65p	CM3 3pin.....65p
CDP4 4pin.....65p	CM4 4pin.....65p
CDP5 5pin...180...70p	CM51 5pin....180...70p
CDP5 5pin...240...70p	CM52 5pin...240...70p
CDP6 6pin.....75p	CM6 6pin.....75p
CDP7 7pin.....80p	CM7 7pin.....80p
CDP8 8pin.....85p	CM8 8pin.....85p

Snap Lock Connectors

Automatic wire strippers
was £ 6.95
Now £6.25

Tiny Connectors

Used with our ultra fine wire ideal for joining engine to tenderor other micro use

CMP 100 2 pin
CMP 101 3 pin
CMP 102 4 pin
From £0.60 pr single
10+ from £5.50 pr

Tag Boards & Terminal Blocks

CTB2	Mini Tag strip 2 rows of 18 117 X 38..£2.46
CTS1	Standard Tag strip 28 way x 267m.....£2.56
CTS2	Mini Tag strip 28 way x 194mm.....£1.90
CTB4	Screw Terminal Block 3 amp.....£0.80
CTB5	Screw Terminal Block 5 amp.....£0.95
CTB6	12 way Plug and Socket 6 amp.....£5.50
CTB10	12 way Plug and Socket 10 amp.....£6.95

Layout Wiring

* colours RD YL BL BK WH GN VI OR GY PK BR

	10m	100m
EW7/02	£1.60	£11.40
EW16/02	£2.30	£17.99
EW24/02	£3.29	£26.25
EW32/02	£4.29	£36.00
EW01/06	£1.60	£10.95
EW10/01	£1.50	N/A

Mulitcore Wire
£3.20 per m

Ultra fine wire
£3.50 per 2m

Miniature Toggle Switches

SMT1	on/off	SPST	£1.20	£1.12
SMT2	on/on	SPDT	£1.20	£1.12
SMT3	on/off /on	SPDT	£1.25	£1.12
SMT4	on/off or on/on		£1.30	£1.12
SMT5	on/off /on	DPDT	£1.40	£1.12
SMT6	[on]-off -[on]	SPST	£1.60	£1.12
SMT7	[on]-off -[on]	DPDT	£1.90	£1.12

Lever covers 20p each CC5 no solder connectors 8p each

See our website for the full range of switches and push buttons

Telephone orders welcome

www.dmgelectech.co.uk

E-mail: **Sales@dmgtechnical.co.uk** Tel: **02920 813136**

P & P £ 3.50 Free on orders over £100

Remember advice is free and just an e-mail or phone call away

Prices Valid until 31/03/2022 E & O E

WORKBENCH TESTED

PARKSIDE BR 13T HOPPER WAGON KIT

George Dent trials the first new Parkside wagon kit since the range was acquired by Peco.

00 GAUGE **PRODUCT** Parkside by Peco PC90 BR 13T steel body hopper wagon kit ◆ **Price** £15.95 | **AVAILABILITY** Peco stockists | 6 hrs

I confessed last month to having something of an obsession with building wagons, and the former Parkside Dundas range of plastic kits makes up a large proportion of my 'OO' freight fleet. Now produced by Peco, they have gradually been repackaged into attractive plastic cartons and have found their way into a greater number of model shops, thanks to Peco's increased reach.

This all-new kit was announced some time ago but, thanks to Covid-19, supplies have been intermittent until recently. While the kit's subject appealed to my fixation with mineral wagons, I was also curious to find out how it would compare with Parkside kits from the pre-Peco era.

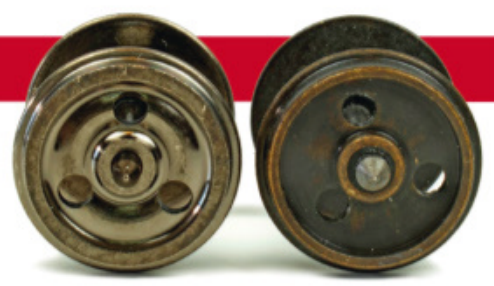
Unpacking the parts, initial impressions were favourable, with the addition of waterslide transfers being a welcome uplift from pre-Peco days. Produced by Modelmaster UK, the decal sheets provide ready-made number panels for three different wagons, plus a customisable set for further number permutations. There are also SAND and IRON ORE legends, although there are no 'HOP 13' markings for the post-1964 era.

The moulded plastic components looked neat and tidy, with impressive definition and relief, while lengths of fine wire and plastic rod are supplied for the handrails and brake cross-shaft. Metal three-hole disc wheels are supplied but, after a few test runs, they were discarded. They don't look too bad, but the wheels supplied with all six of the kits I'd bought were not conducive to smooth running – causing the wagons to 'wobble' when in motion. Parkside kits used to be supplied with high-quality Romford wheels, although they're currently unavailable.

The instructions feature clear, exploded diagrams which are easy to follow. However, as the following demonstration shows, I found the recommended assembly sequence problematic, owing to some of the hopper components not fitting together perfectly, resulting in unsightly gaps. With the hopper and chassis assembled, it made filling and sanding these gaps tricky. Therefore, after building one wagon as a trial, I've subse-

Wheel matters

The supplied wheels (left) proved to be disappointing, especially in terms of performance. I replaced them with superior Romford 12mm diameter, three-hole disc wheels (right) that I had in stock. Alas, Romford wheels are not currently in production, but a close alternative is available from Peter's Spares (Ref. PS82).



Tel: 01642 909794
Web: *www.petersspares.com*

PHOTOGRAPHY: GEORGE DENT

sponsored by
HARDER & STEENBECK
www.harder-airbrush.eu

What you will need

TOOLS

- Knife and spare blades
- Tweezers
- Steel rule
- Files and abrasives
- Drill and bits
- Setsquare
- Sprue cutters
- Round-nose and fine-nose pliers
- Cocktail sticks
- Small sheet of glass/mirror

Inside story

The hopper interior is impressive, with the bottom discharge doors featuring moulded detail on both their internal and external faces.

quently altered the assembly process (demonstrated here), which has made life easier and produced superior results.

GEORGE'S VERDICT

Unless the hopper is moulded as a single unit (which is rare), plastic kits of this type invariably demand a degree of filling and sanding to achieve a seamless appearance. This kit is no different, although the gaps are fairly small and were easy to remedy. The main issue surrounded the need to fettle away a good amount of material from the hopper ends in order to neatly marry up the hopper base and body.

I've already mentioned the disappointing wheels, but the prominent circular recesses in the front faces of the axleboxes also need to be remedied. A few strokes with a flat needle file will remove them.

Negative aspects aside, I have really enjoyed building these kits, especially once the foibles of the moulded parts had been discovered and an alternative approach to assembly adopted. The overall level of detail is impressive, and the finished wagons capture the character of the prototypes admirably.

Offering greater variety to a mineral wagon fleet, the kit represents an important – and well-travelled – prototype. It offers good value, even when factoring in the cost of replacement wheels, with just glue and paints required to finish it off. The decals are great and optional mounting brackets are provided to allow installation of NEM couplings of your choice, making them fully compatible with RTR stock. ***(GD)***

Prototype Factfile: BR 13t Steel Body Hoppers

The Parkside kit portrays a vehicle type that was a common sight in North East England during the later days of BR steam. Designed to move coal from the vast network of collieries within County Durham, Tyneside and Northumberland, the need for a bottom-discharge hopper wagon fleet was dictated by the presence of raised staithes at unloading points around the former North Eastern Railway system.

While a huge fleet of 21t hoppers also existed – and was being expanded during the same period – a smaller capacity version was also deemed necessary, helping to cater for smaller consignments to local coal merchants in more out-of-the-way places.

Over 2,600 of these wagons were built by British Railways, between 1949-1953, although the design is thought to have originated from the LNER's drawing boards. Allotted the BR Diagram numbers 1/142 and 1/144, construction was spread between BR's Shildon Works and various private builders, including Fairfield Shipbuilding & Engineering. The only real change between the two BR Diagrams was the use of slightly larger wheels on the Dia. 1/144 vehicles, although this was a matter of just half an inch.

All wagons were built with single-sided Morton-pattern hand-operated brakes and either spoked or three-hole disc wheels were fitted. Although ostensibly built for the movement of coal, the fleet was soon dispersed to work on other duties, especially iron ore, stone and sand traffic, across various parts of the network. Indeed, examples could be found as far away as Cornwall and a small number of survivors continued in use into the 1980s, mostly centred on Doncaster-York coal traffic. Allocated the HSO code under the Total Operations System (TOPS), very few – if any – wagons ever carried those markings.

Above: Wearing a pale grey livery, albeit pock-marked by corrosion, B401793 was built by R&Y Pickering in 1950. Loaded with coal, the wagon is marshalled next to a vacuum brake-fitted 21T hopper at York Dringhouses Yard, April 1980. PAUL BARTLETT

Part of the first batch of 13T hoppers built at Shildon Works in 1949, B400035 is seen in typical colliery surroundings – and in typical condition – during the early 1970s. The wagon appears to be standing on a weighing machine. PAUL BARTLETT

An ex-works view of B400520, part of Shildon's second lot of 13T hoppers, built in 1950. Note how the white numbers have been applied directly onto the grey paintwork, without a black panel. This seems to have been a common feature of these wagons. Spoked wheels have been installed. PAUL BARTLETT COLLECTION

Heavily corroded B400891 is a Shildon-built example from 1950, seen in condemned condition at Swindon Works in September 1975. Post-1964 HOP 13 markings have been applied, along with overhead line warning markings to the ends. PAUL BARTLETT

Workbench – TESTED

STEP BY STEP

1

The Parkside by Peco kit comes supplied in a clear plastic carton and, in addition to the plastic components, also includes a sheet of waterslide decals, thin brass wire, plastic rod, metal wheels and brass top hat bearings.

2

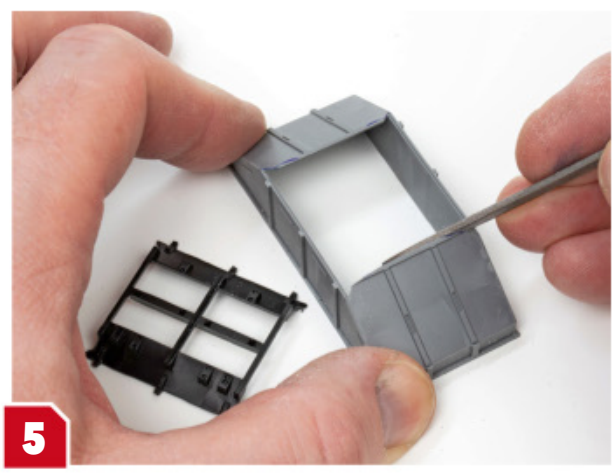
As with most plastic kits, the parts are best cut away with a set of sprue cutters. Any remaining waste material or moulding flaws can then be removed with a flat file, leaving a flat, square, smooth edge to each part.

3

Take care with the recesses moulded into the corners of the hopper components, which help with alignment. Dry-fit the hopper on a sheet of glass and check that it all fits together squarely and neatly.

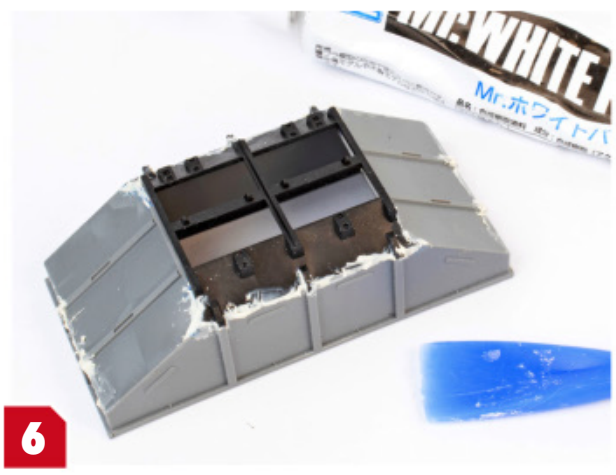
4

After glueing up the hopper, allow it to cure fully before offering up the hopper base. The parts did not marry up well, with plenty of fettling required. I found it easier to mark and fettle the hopper body than the black base.



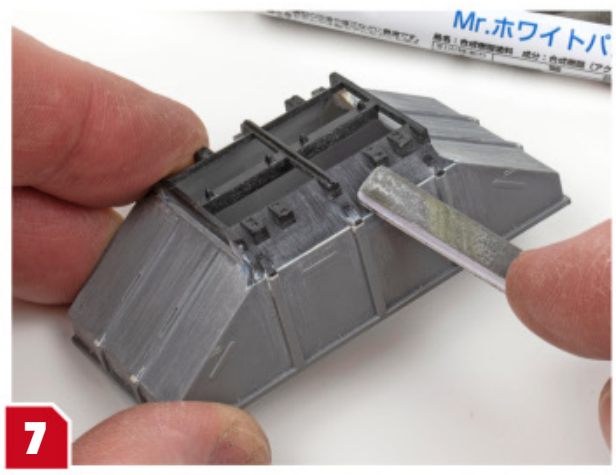
5

Using the marks from the pen as a guide, a small flat needle file was used to taper the sloping hopper ends to accommodate the hopper base. Test-fit the parts at regular intervals until a snug fit is achieved.



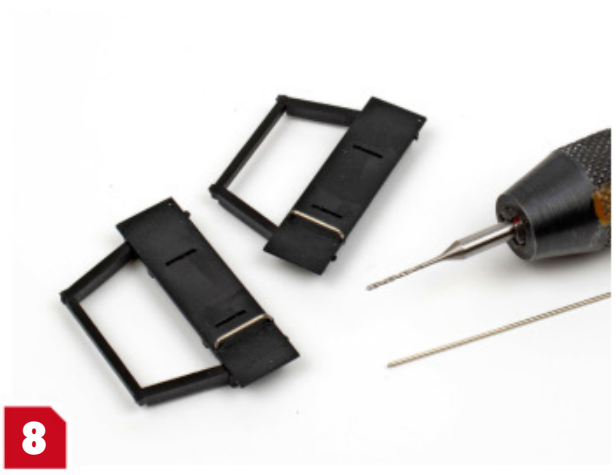
6

After a dry test-fit, the parts were bonded with liquid cement. When dry, filler was applied to the gaps. If these parts are not assembled squarely at this stage, it will affect how the wagon sits on the rails.



7

When the putty was fully cured, the edges of the hopper were tidied with needle files and thin sanding sticks. This was be much easier without the chassis frames in place, contrary to the kits instructions.

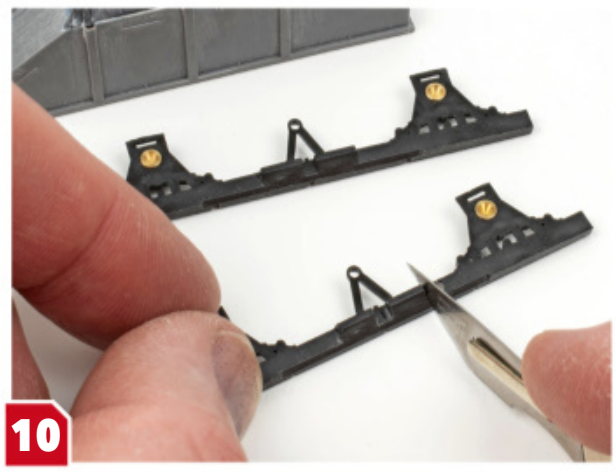


8

Omitted from the instructions is the need to shape and fit the handrails to the footplates before they're installed. Round-nose pliers shaped the wire, the holes were opened up with a drill. Cyanoacrylate glue made the bonds.

9

The holes for the bearings may need opening out slightly with a drill bit. Cyano was placed inside the hole with a cocktail stick before the bearings were pushed into place, ensuring that the rims sat flat against the plastic.



10

The mounting brackets on the inside of the chassis frames need trimming to slot neatly into the hopper base. A sharp knife pared away a millimetre or so from the ends of each bracket.

11

The front faces of the axleboxes feature deep round moulding flaws, but they can be removed simply by abrading the surfaces with a flat needle file.

12

The chassis frames were erected. One side was joined to the bufferbeams (ensure the recessed edge of the bufferbeams are oriented to the upper side of the wagon). Check everything sits at right angles before applying the cement.

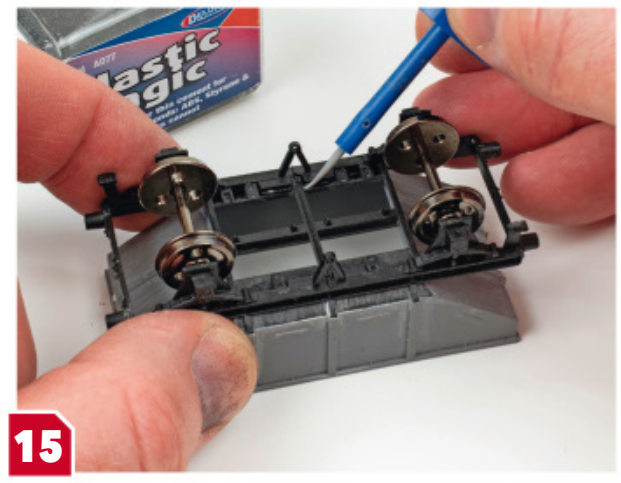
sponsored by
HARDER & STEENBECK
www.harder-airbrush.eu

13

Offer up the other side and slot the wheels into the bearings. Check that the chassis frames are sitting squarely on the glass and that the corners are at right angles before applying the cement.

14

Flip the chassis over and check that all four wheel flanges are in contact with the glass. Make any adjustments if necessary before the cement cures. When happy, set it aside (upturned) to cure for a few hours.

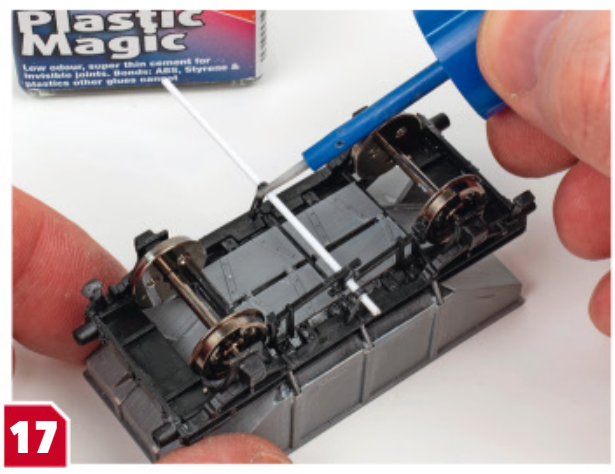


15

The chassis frame can then be bonded to the hopper, applying the liquid cement from the inside for a neater joint.

16

It doesn't hurt to check once again on the sheet of glass to ensure all four wheels are in contact with the surface. Assembly can then continue. The chassis end plates instantly add rigidity to the underframe.



17

With the hopper chute doors fitted, the brake gear can be added, including the hand brake cross-shaft, using the supplied styrene rod. This was glued in place and the ends trimmed flush once the cement had cured.

18

The wire rails and mounting brackets take a bit of time to install. The wire is shaped with round-nose pliers, bonded with cyano, applied with a cocktail stick. Small locating guides are moulded into the hopper sides for the wires.

19

After priming and painting, the waterslide decals were applied over a coat of gloss varnish. Another coat of varnish sealed the decals in place.

20

To ensure reliable running, lead shot was secured into the hopper interior with thin cyano glue. Care was taken to ensure each wagon was loaded with the same amount of ballast by employing a set of weighing scales.

21

Once the cyano bonding the lead shot had cured, the wagons were weathered with a mix of LifeColor and Tamiya acrylic paints. Most of the work was achieved by hand brush, with an airbrush adding some final finesse.

22

Thick card was cut to act as a base for a load, cut to a length to allow it to sit about 7mm below the upper edge of the hopper. The card was then painted dark brown (black would have been applied if the load was to be coal).

23

'Iron ore' scatter material, from the Hattons Constructor range (*www.hattons.co.uk),* was spooned gradually into the wagons and formed into suitable mounds.

24

The scatter material was secured with Deluxe Materials Ballast Bond. It penetrates the scatter instantly, without disturbing the material. The wagons were placed in a warm environment and the glue required just 24 hours to cure.

HOW TO

BUILD TITFIELD STATION

Chris Leigh begins a new modelling project reflecting a topical subject and ready for a forthcoming set of models.

Sometimes you have to put the cart before the horse. After all, you need to know how big the cart is in order to buy the right sized horse to pull it. It might seem an odd construction sequence to start a diorama or mini-layout by building the station first. However, with just 4ft by 2ft to play with, and the need to get things looking spot on, I decided that I needed to be able to try out the positioning of the buildings before I laid any track.

As I constructed the station building I researched the subject more closely and realised that, just as the makers of *The Railway Children* had edited features of the Worth Valley railway into a different order to suit their story, (and affected my 'O' gauge layout based on the film) so a similar exercise had been carried out a decade earlier by the makers of the movie that I was now researching.

I have my first Tim Horn 'fully scenic' baseboard to build. This is effectively a 4ft by 2ft box with an open front. I'm told by my colleagues Messrs Dent and Nevard that it is best to build the module on foamboard first and then fit it into the baseboard. Otherwise, the sides and back of the baseboard module make access difficult. So, I'm going to take their advice and build on foamboard. This, I suspect, will also make it possible to photograph progress from all angles rather than just from the front.

00 GAUGE | 30 hrs

So, I hear you ask, what am I going to build?

ENTER TITFIELD, STAGE RIGHT

I have wanted to build Titfield station, as it appears in the movie *The Titfield Thunderbolt* since long before I assembled the first issue of *Model Rail*, three hundred issues ago. I can't remember when I first saw the movie but I've had a limited edition Dapol '14XX' 0-4-2T as No. 1401 for many years. I bought the remnants of two K's 'Lion' kits to see if I could make a working model out of them. Eventually I gave them to one of my colleagues to see if he could do anything with them. It's so long ago I've forgotten who I gave them to, and with Rapido's ready-to-run *Thunderbolt* coming next year there is no point in building them.

I have a Rapido set on pre-order, with DCC and sound so I now need something, however small, on which to run it.

My plan is to model Titfield station, in compressed form, from the makeshift engine shed, over the level crossing and through the station. If it works out, a second scenic board could be added with, perhaps, the stream and the water crane, as Reverend Weech calls it. If I needed any further inspiration, the 2021 digital reissue of the movie with computer enhanced colour and focus proved more than enough!

A LITTLE RESEARCH

It is fair to say that my research has been cumulative over the past 30 years since I joined the staff of *Steam World* in 1992. I interviewed the elderly Westbury-based driver, Bert Harris, I think it was, who had

PHOTOGRAPHY: CHRIS LEIGH

sponsored by
HARDER & STEENBECK
www.harder-airbrush.eu

TOP TIP

In the course of a year I get through dozens of knife blades. I use the Swann-Morton No. 10A which was originally a surgeon's scalpel, so even when they are too blunt for modelling they are still sharp. I had been in the habit of putting the spent blade into the wrapper from the replacement and binning it with my rubbish. However, we really should be careful how we dispose of used blades. Here's the simple sharps container that I've made from an empty chutney jar with a small slit punched in the metal lid and a clear label. I can safely store dozens of used blades until the jar is full and then dispose of them in the rubbish in one labelled container.

responsibility for driving *Lion* between his home depot and the filming site each day. As part of *Steam World*'s 'Walk the line' series, I visited Bath and Midford on the Somerset and Dorset and then set off to find Beal's farm and the site of Titfield station. Bizarrely, I'm not sure I've ever seen *Lion* itself. I've never been to Liverpool Museum and *Lion* has been there for many years. "I did once mount the *North Star*, you know, Gooch's 2-2-2 with the double crank driving axle..." Well, actually it was a half-sized wooden replica, but I must stop getting distracted!

The 1905-built GWR station at Monkton Combe was dressed up by the film makers to be Titfield station. The Limpley Stoke to Camerton branch was recently closed to all traffic, so the film company had a free hand in what was done. Some time after filming was finished, the station was demolished and the 'cut' in which it stood was back-filled to once more form an uninterrupted hillside. This became a playing field for the local grammar school.

The only evidence of Titfield station today is the pair of cast iron posts on which the film company built its 'Titfield Station' sign. These posts now stand ignominiously between a pair of sectional garages with the landscape behind them strangely elevated.

The railways in that area were initially built to capitalise on the Somerset coalfield. It is an area which will be quite well-known to *Model Rail* readers through the efforts of my colleague Chris Nevard whose recent colliery mini-layout was inspired by the Somerset coalfield. Dunkerton colliery was served by the Camerton branch and it was at the colliery that the movie makers staged the duel between the train and Sid James' steamroller.

The lines from Bristol to Radstock and Bristol to Trowbridge were the main routes. It was not until the early years of the 20th Century that the GWR exploited a light railway order to build a line linking these two routes, via an end-on junction with the Hallatrow-Camerton branch line. At Midford, the light railway passed underneath the Somerset & Dorset line through one arch of the iconic viaduct, and the GWR provided just a small halt there.

The light railway diverged from the Trowbridge route at Limpley Stoke and headed roughly westwards to serve Dunkerton colliery before reaching Monkton Combe, then to Midford, Camerton and Hallatrow. It was short-lived, the passenger service being withdrawn in September 1925, and the last freight to Dunkerton colliery early in 1951. While the line had been utilised by film makers pre-war for filming scenes in *The Ghost Train*, its recent closure to all traffic made it ideal for Michael Balcon's production. The Ealing comedy *The Titfield Thunderbolt* was inspired by the recent launch of amateur-run railways in the shape of the Talyllyn Railway and the birth of railway preservation societies.

The movie plot is so well known that it does not need repeating here, but to get the best out of what I hope will be a series of articles on my construction of this diorama/mini-layout, Simon Castens' book *On the Trail of The Titfield Thunderbolt* (Thunderbolt Books, Bath, £8.95, ISBN: 9781912038992) will be required reading. Simon is unquestionably the greatest living authority on the movie and the locations in which it was shot.

CHANGED GEOGRAPHY

The fictitious village of Titfield is, according to the movie script, the terminus of the oldest branch line in the world and connects the village to the town of Mallingford. The latter is represented in the movie, by the former fish dock at Bristol Temple Meads station. However, the closest that Titfield trains get to the main line system, apart from that final scene in the fish dock, is a glimpse of the Camerton branch line's approach to its main line connection at Limpley Stoke. This glimpse is swiftly obscured by the passing of a '63XX' 2-6-0 with several GWR-liveried coaches heading for Bristol.

Throughout the movie, all trains depart Titfield in the direction of Limpley Stoke. The end of the line is marked by the makeshift engine shed created by placing a hay barn over the line beyond the level crossing at the Camerton end of the station. In fact, however, quite a lot of the filming of trains supposedly en route between Titfield and Mallingford was actually done on the section towards Camerton and particularly around Midford, where the line's scenic crossing with the Somerset & Dorset under Midford Viaduct is exploited.

Anyone building a Titfield-inspired layout would need to decide from the outset whether to model the geography as it actually was, or whether to place the various scenic features in the order in which they appear in the film. I had to make a similar choice with my 'O' gauge Oakworth as it appears in *The Railway Children*. In that instance it proved helpful in order to provide a suitable approach to the fiddleyard at the north end of the station, to relocate Mytholmes tunnel and the 'Three Chimneys' farm house.

TITFIELD STATION BUILDING

Despite all the research, I was eager to make a start on some actual modelling, not least because I had suffered a degree of modeller's block for a couple of months. I simply found it much more enjoyable to sit and vegetate in front of the TV rather than getting stuck into model-making, and I could not afford to let that last for long.

Like many branch lines, the Limpley Stoke-Camerton line has been the subject of a dedicated history book, *The Camerton Branch* by Colin G. Maggs and ➤

PROJECT TITFIELD STATION

Gerry Beale, 1985 Wild Swan Publications, ISBN: 9780906867259. Published in 1985, it is long out of print, with second-hand copies seemingly commanding about £40. I used the drawings from this book as templates for cutting out the timber framework of the station, so it is important to have access to a copy and an A4-size scanner if you wish to copy my method of construction.

Built in the early years of the 20th Century the buildings at Limpley Stoke, Dunkerton and Monkton Combe share a family likeness. Harking back to my article on the Dornoch model (MR288) I would call the design 'arts and crafts' as it dates from the right period and reflects simple and basic facilities given a pleasing appearance by some minimalist decoration. In this case the wooden frame is exposed so that the building appears to be a traditional structure but using 'artificial stone' infill panels between the frames. This artificial stone was simply textured concrete, and the panels were probably made at the GWR's Taunton concrete works.

At Monkton Combe, the exposed wall at the Camerton end must have suffered some problems because the GWR had soon covered it with asbestos sheeting. For the purposes of the movie this, in turn, was concealed, apparently by plywood and some fake framing. The roof at this end was also extended by the film company to provide a covered platform entrance, complete with saw-tooth valancing, which was an embellishment that was added all round the canopy.

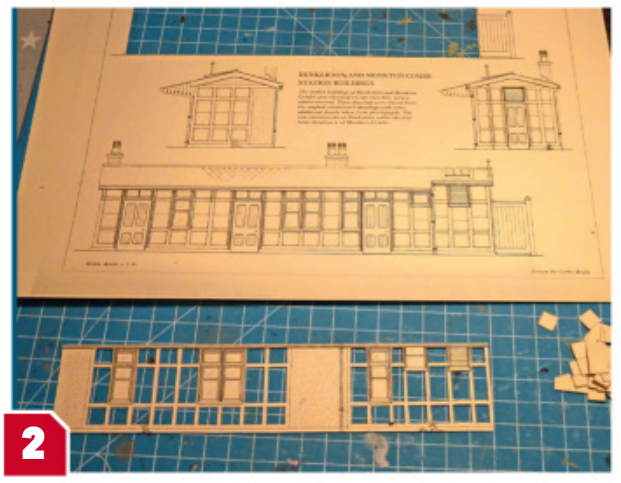
The drawings in the book represent the buildings as designed and are taken from contractors drawings. They are intended for modellers and are, helpfully, reproduced in 4mm:1ft scale. However, they are somewhat fussy for modelling use, with superfluous tufts of grass depicted and with useful detail hidden by the canopy. One set of drawings has also been used to depict two different stations, Monkton Combe and Dunkerton, and since one is a mirror image of the other this can be confusing. It caught me out with a couple of the details. Indeed, I did quite a lot of work on the rear elevation before I realised that it was a mirror image of what I was intending.

As the rear of the building will be largely hidden by the grass bank I could probably have got away with it but I knew it would bug me, so I scrapped the work I had done up to that point and started again. The main problem with the back being 'wrong-handed' is that the vent for the gents toilet would then be at the wrong end. GWR station buildings were usually arranged with the ladies' and gents' toilets adjacent in order to simplify plumbing and drainage. The gents' toilet would be entered by an outside door from the platform and the ladies', from inside the ladies' waiting room.

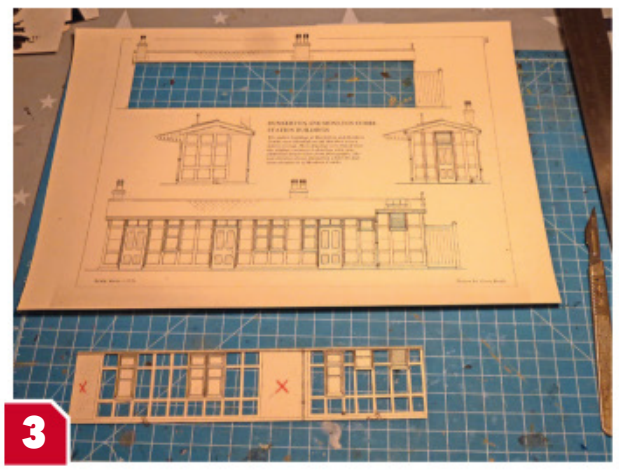
Another feature of this design was the need to minimise the timber framing in the area where there were chimneys. These would probably have been metal stovepipes from the typical GWR Courtier stoves. There were single ground-to-eaves concrete panels below both chimneys.

STEP BY STEP

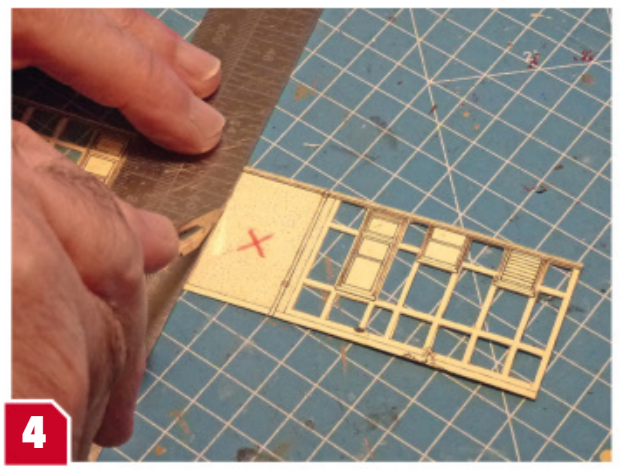
1 I used the scale drawings as a short-cut to save redrawing all the framing onto card. I scanned the page of drawings and printing them onto a sheet of cream-coloured A4 postcard. The front and one end represent Monkton Combe.



2 I cut out all the panels just leaving the framing and the doors and windows. I had yet to realise that this elevation was a mirror image and that I should have flipped the drawing and printed a second copy for the back and the second end.

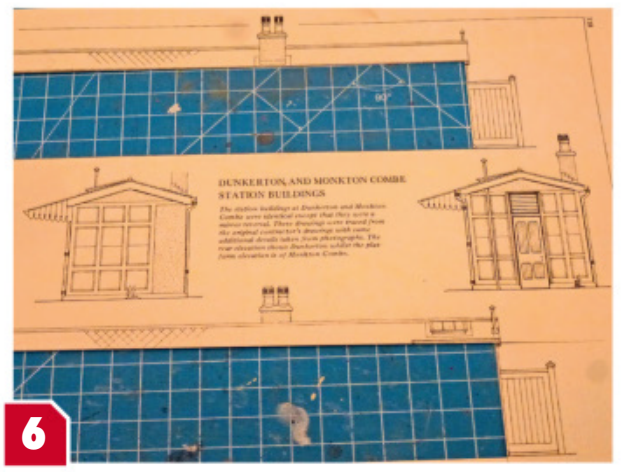


3 I was still working with the 'wrong-handed' back. I left the windows in place as a guide for cutting once the frame was mounted on card. The two panels marked 'X' were cut last as they help maintain the framework's integrity.

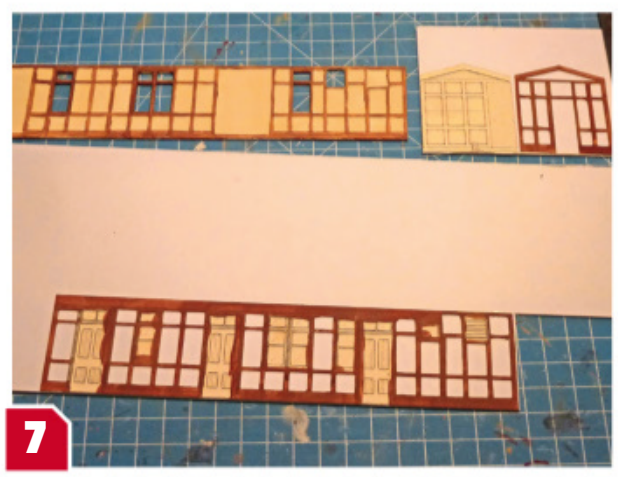


4 All the cutting was done with a fresh craft knife blade and a steel rule, working on a self-healing cutting mat. Though this was an early sectional building, it had a wooden frame and numerous varied panel sizes.

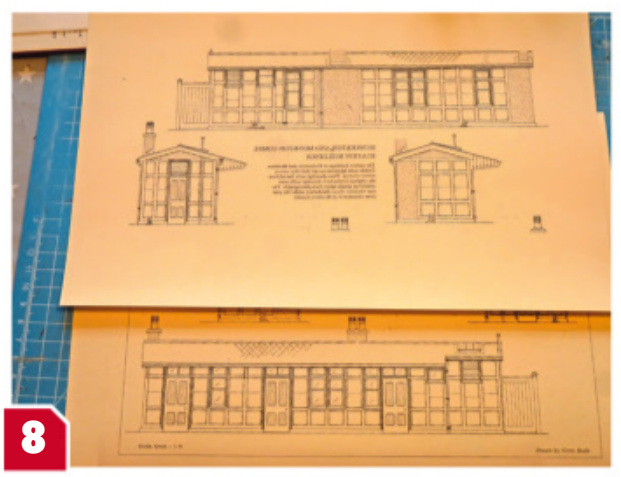
5 It is important to paint the frame at this stage, though the wet paint does make it very fragile. This is the 'front' or platform side of the building before glueing to a 2mm mount board wall.



6 The right-hand end elevation is the correct one. The left-hand one needs to be flipped. It matters little, as the GWR had covered this end with corrugated asbestos sheet and the film company covered that with painted plywood.

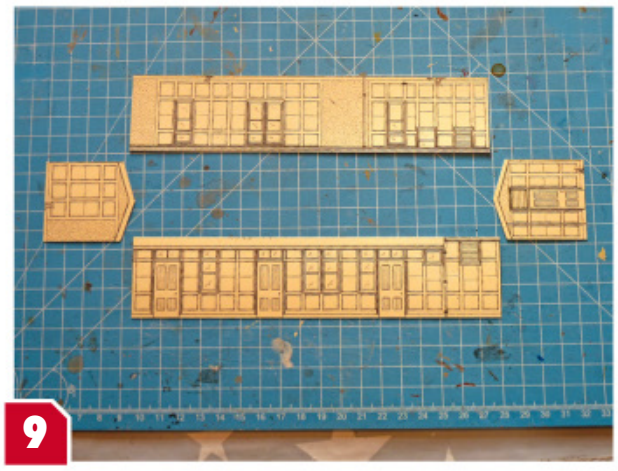


7 The wrong-handed back has been painted and the windows cut out. I realised that the toilet vent would be at the wrong end, but this would be hidden once the model was in place. Nevertheless, I scrapped it.



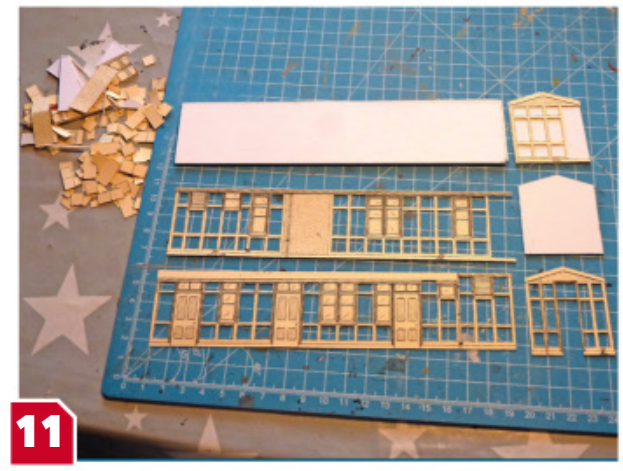
8 By flipping the drawing horizontally on the computer I obtained a correctly orientated back and end. Though I had wasted some effort in doing it wrong, getting it right more than compensated.

sponsored by
HARDER & STEENBECK
www.harder-airbrush.eu



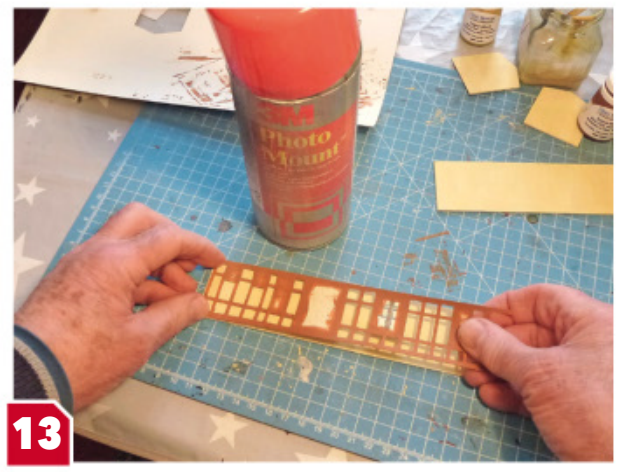
By laying out the parts like this it is easy to see that the back is now correct, with the vents for the ladies' and gents' toilets both at the same end of the building. The ladies' toilet would be accessed from inside the waiting room.

I thought the cutting out might be a lot more tedious than it actually was and despite the initial mistake with the wrong-handed rear wall, it still proved to be a satisfying project.

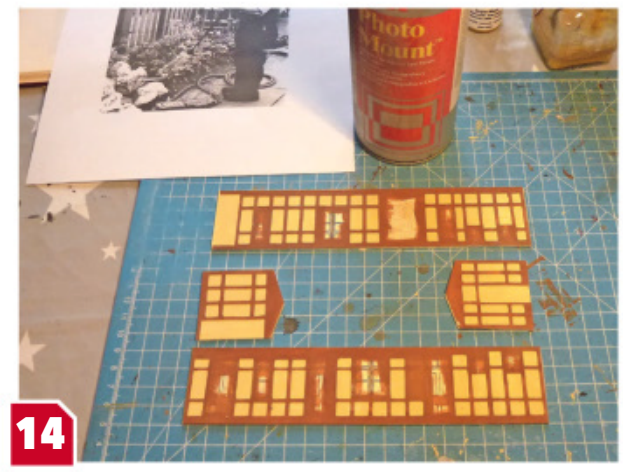


All the drawn doors, windows and vents were left in place and four walls were cut from 2mm mount board. The long walls would be set between the two gable ends.

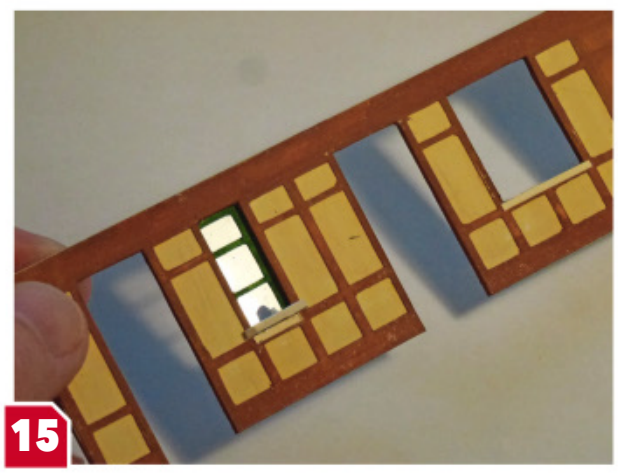
I used Omen Miniatures acrylic paints, applied with a small flat-bladed brush. The mount board walls were painted in cream and the postcard frames were painted brown.



Once the paint was dry, the backs of the frame pieces were sprayed with 3M Photo Mount adhesive and carefully positioned on the painted mountboard, pressing down only once it was correctly positioned.

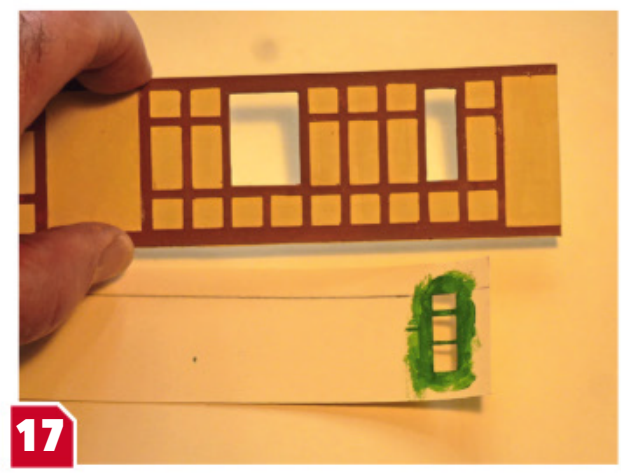


By laying out the four walls in their relative locations, with the top edges head-to-head, it is easy to check whether you've got them correct in terms of the relationship of the vents, all at the same end.

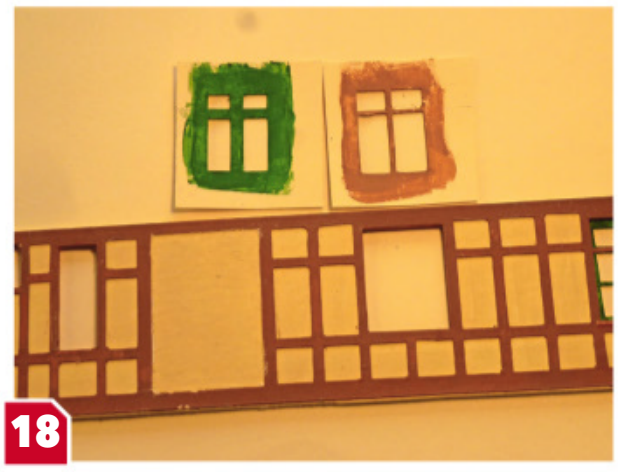


The film-makers removed a door and part of the adjacent wall, which I did not discover until it was too late. They adapted one window with a 'mousehole' glass for the ticket window, as shown here.

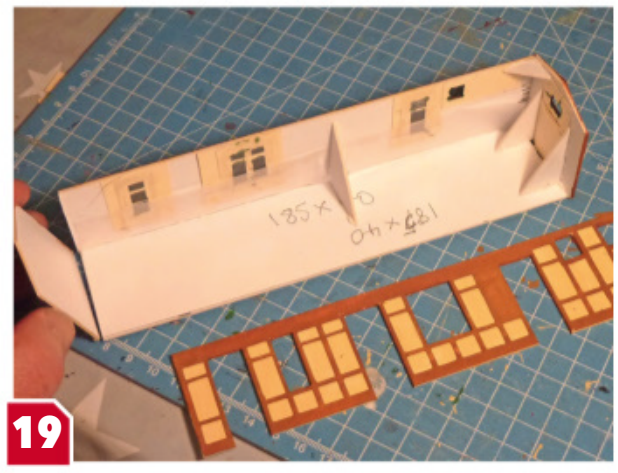
Using a sharp blade and my trusty steel rule I cut out the window openings completely as single pieces. The louvred toilet vents were also cut out at this time and the exposed edges were painted.



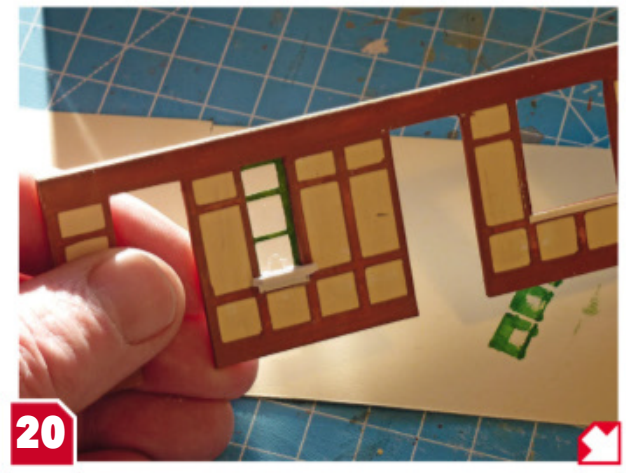
I used postcard for the window frames, marking each one to fit its specific aperture. The film company painted the frames green. I used Omen acrylic green.



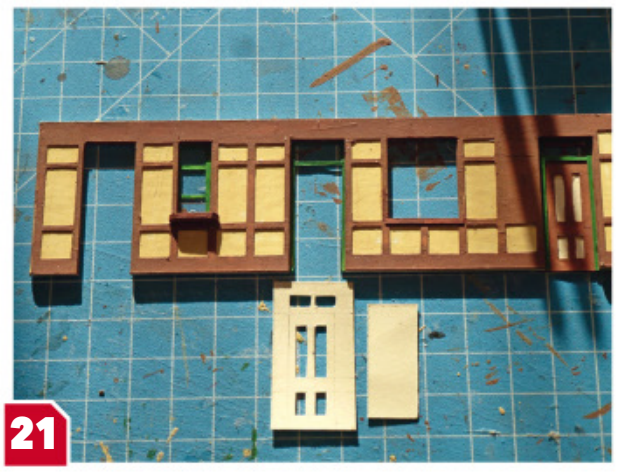
The larger windows had a more complex frame and I made these as two layers of postcard. The thinner outer frame, painted brown here, is glued in place first, with the green, thicker frame behind it.



Once the walls were complete with glazing and obscured glass (tracing paper glued behind the lower panes) I began assembly round a 185mm by 40mm mount board floor.



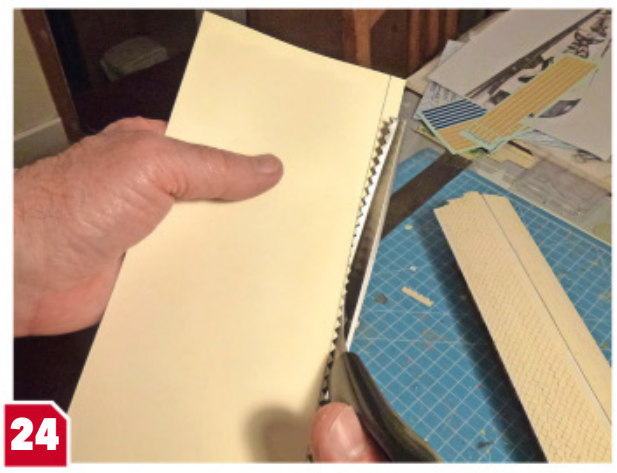
The ticket window appears quite prominently in the movie when Mr Blakeworth buys his ticket. I used styrene strip for the counter and cut a 'mousehole' in the 10thou glazing material.



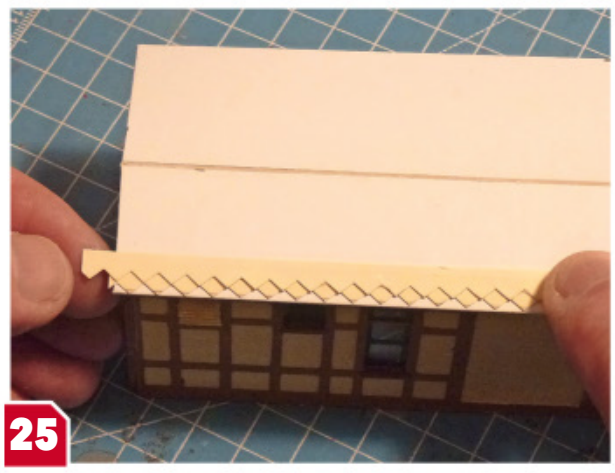
21 The doors were made up from three layers of postcard, one forming the frame and the other two the door and lower panels. The frame was painted before glueing in place, and the toplight was glazed.

22 At this point I began thinking about the roof with its unusual diamond-shaped tiles or slates. I bought a pair of dressmaker's pinking shears with a 5mm pitch, £8.99 from Amazon. Don't borrow these from a dressmaker!

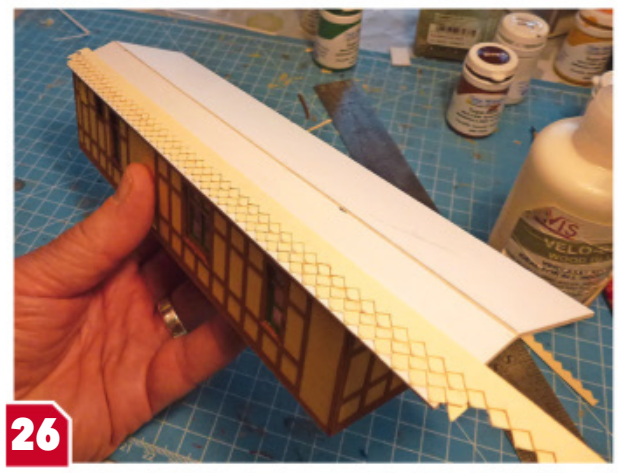
23 The floor needed rebating on the front edge to clear the doors, before the front wall was glued in place. I used Javis' Velo-Set quick-drying PVA for all the assembly.



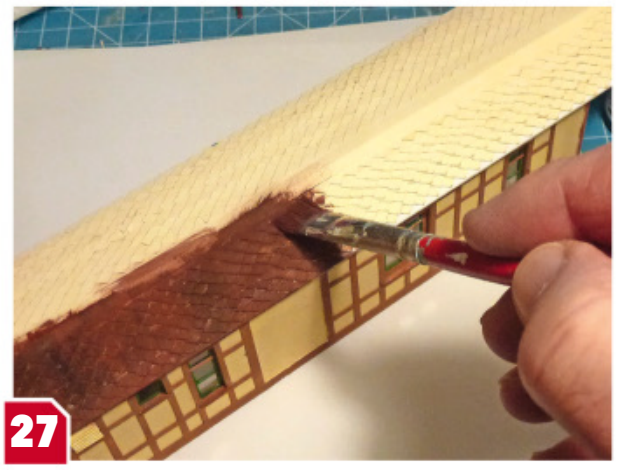
24 The roof is a single piece of mount board, scored and folded along the ridge. I ruled some guidelines on postcard and used the pinking shears to cut pairs of strips, as seen here.



25 Starting at the eaves edge, strips of the slates were glued in place, carefully staggered, point-to-point. It was remarkably quick and effective, requiring only some 16 strips for the larger roof section.



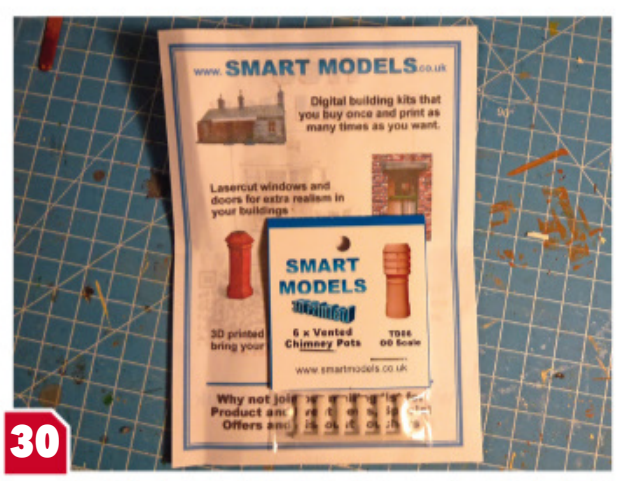
26 The strips must be carefully aligned, and the straight edges kept parallel with the eaves and ridge. Work up to the ridge from both sides and finish off with a straight-edged ridge strip, creased along its centre-line.



27 I painted the roof thinking that the tiles were probably similar to those on my previous model building, Bratton Fleming. Subsequent discovery of some colour photographs of Limpley Stoke station showed they were grey!

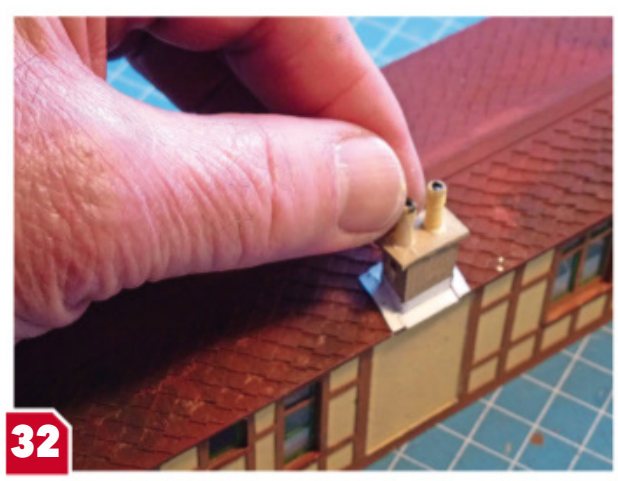
28 I found a strip of stained hardwood in my spares box from which I made the rafter ends under the awning. A strip of 1/16in balsa or some suitably sized styrene strip would be equally suitable.

29 Using the scale drawing as a guide to the dimensions, I cut two chimney stacks, one single and one double, from a block of balsawood. The bottom was carefully cut at an angle to match the roof slope.



30 To my surprise it proved quite difficult to source some louvred chimney pots, as used by the GWR on stations, staff houses and signal boxes. These 3D-printed ones, from Smart Models, are spot-on.

31 I painted the chimney pots cream while still on the sprue as this was the normal colour for GWR chimney pots. The stacks were gently drilled 1/16in diameter to take the mounting spigot.



32 I added folded paper strips around the chimney base to represent flashing, having first painted the chimney stack to represent concrete using Omen acrylic 'mortar'.

sponsored by
HARDER & STEENBECK
www.harder-airbrush.eu

Real world inspiration

Above: A passenger train headed by a '517' class 0-4-2T at Monkton Combe, probably around 1920. The original end wall of the building can be seen, together with standard GWR iron railing fencing, which was replaced with timber for the movie. C.J.L. COLLECTION

Right: Monkton Combe station in 1947, just four years before the film crew took over. The GWR spear fencing is still present. The telegraph poles were removed by the time of the movie, wooden fencing was installed and some superb platform gardens laid out. C.J.L. COLLECTION

Below: The only surviving building of the same type is the former Limpley Stoke station. This 1990s view gives a glimpse of the rear elevation. CHRIS LEIGH

Below right: Limpley Stoke station shows many of the features of Monkton Combe, including the timber framing, concrete panels, diamond-pattern roof covering and classic GWR louvred chimney pots. CHRIS LEIGH

Know your stuff

This is where our team of experienced modellers answer YOUR questions. Email your queries about railways – real or model – to *modelrail@bauermedia.co.uk*

George Dent
MR's editor and chief model maker can offer advice on almost any subject.

Peter Marriott
Rumour has it that MR's resident scenery buff even uses a Gras-Master on his own front lawn…

Dave Lowery
Professional model maker who's been there, done that and got the T-shirt!

Paul Chancellor
Paul is the proprietor of the well-known railway photographic archive Colour Rail.

Keep up to date with *Model Rail* News online.

HOW TO

USE WAGON BODIES AS UNUSUAL BUFFERSTOPS

I have couple of box vans that have been damaged and wondered about other uses for them. Grounded vans in farm fields is an obvious option, but is there something more unusual I can replicate?
Ali Singh, by email

George says: As you say, redundant wagon bodies were re-purposed in their thousands as field shelters, stores or sheds for many years, especially in the 1950s and 1960s. There are some great examples close to my home, with a couple converted into a very pretty potting shed and garage. They weren't always employed by farmers, though. The railways retained many for use in goods yards, depots or as makeshift staff and passenger accommodation at branch line stations.

Many were given new homes at industrial locations, while some can still be found in urban centres, such as the lovely pair of ex-North Staffordshire Railway van bodies still to be found in the centre of Ashbourne, Derbyshire. In many cases, the van bodies may be modified, with extra doorways, windows or partitions. They may also have been joined with other former rail vehicles or integrated into the fabric of a building.

But if you're looking to model something a little different, how about replicating the scene at Machynlleth, on the former Cambrian line from Shrewsbury to Aberystwyth? For many years, a pair of ex-GWR iron-bodied vans could be found in use as makeshift bufferstops in the goods yard.

I recall seeing images of these van bodies some years ago, in a magazine article. Presumably, the empty bodies were filled with earth or spoil to provide extra mass, while timber baulks were fixed to one end to act as a bufferbeam.

Alas, I can't find any details of the publication and my online searches have drawn a blank, so I'm not sure of the exact type of wagons employed or the definitive period in which they were installed. I'm also unsure whether those timber baulks were fitted with pairs of scrap wagon buffers. However, despite the lack of reference images, the idea of replicating this arrangement has been simmering in the back of my mind for years. Thanks to this query, I've finally had the excuse to give it a try. Perhaps a *Model Rail* reader can help with an image or reference, to prove that I haven't imagined the whole thing?!

An unusual use for a former wagon body is as a bufferstop in a goods yard, as found during steam days at Machynlleth. This scene is easy to recreate, using a scrap Dapol gunpowder wagon and a few strips of wood. GEORGE DENT

OO GAUGE | ANY GAUGE | 1 hr

STEP BY STEP

1

Thanks to the recent arrival of Rapido's GWR gunpowder vans, my fleet of aged Dapol models now look rather basic in comparison, making them prime candidates for re-purposing. This pre-weathered version reduces the amount of work required.

2

Having removed the couplings and excellent metal wheels for reuse, a razor saw was used to cut away the axle guards, brake gear and coupling mounts. The waste material is worth keeping for future use as junk or scrap in a railway yard or wagon load.

3

The base of the chassis was then tidied with a broad, flat file. The buffers were also cut away and the headstocks filed flush. Dapol offer the gunpowder van body as an unpainted moulding, but it lacks the chassis base, which is essential.

4

A couple of strips of wood were cut to match the width of the wagon's body. Notches were also cut to give clearance for the raised ribbing of the body. After test-fitting, they were glued to the body with cyanoacrylate adhesive.

5

While the wagon was pre-weathered, the clean wood needed some help to blend in, so a couple of coats of a brown/grey oil-based weathering wash was sufficient to give it an aged appearance, without disguising the natural grain pattern and texture.

HOW TO

IMPROVE PCA TANKS

Q **The depressed centre PCA cement tanks, produced by Lima and Hornby in the past, are key wagons for my new micro layout. I want to add extra detail to them, as the models must date back a few decades. What parts would you recommend?**
Kit Harrington, via Instagram

George says: These wagons were popular at the time of their initial release, as they featured an impressive level of detail for the time (1980s). However, set against contemporary rolling stock, their heritage does become apparent. I'd recommend upgrading the buffers with sets of cast metal Oleo units, available from Wizard Models. The moulded plastic units will need cutting away and the headstocks filed flush, which will remove the unsightly mould seam at the same time. Mounting holes will need to be marked out carefully and drilled to allow the new buffers to be installed securely (fix with epoxy or cyanoacrylate glue).

A useful detail upgrade kit is available from PH Designs, including replacement etched metal walkways for the tank tops, plus handrail brackets, brake handwheels (to replace the hefty plastic mouldings) offers, plus a set of brake disc inserts. Some 0.4mm brass wire is required to form the handrails.

Rendered in nickel silver, the etched parts are easy to shape and are fairly rugged once assembled and installed. After cutting away the unwanted plastic fittings, the mould seams on the tank can be gently filed and sanded smooth before the new parts are added. Subsequent weathering will disguise any loss of paint.

We reviewed this detail kit way back in MR201 (October 2014), but the kits are still available to order from the PH Designs website.

Product: PH4PCA1 PCA wagon etched replacement walkways and detail set
Price: £4.50 (plus £2.75 p&p)
Availability: *www.phd-design-etchings.co.uk*

Product: ABWC026A Oleo long body buffers with 16in diameter heads
Price: £2.40 per pack of 16
Availability: *www.wizardmodels.ltd*

The first edict that had to be implemented was the temporary renumbering scheme, whereby the locomotives retained their original numbers but received a prefix letter which, unsurprisingly for the Midland, was 'M'. The Ivatt '4MTs' were being built as the LMS turned to BR(M) and thus were some of the small number of locomotives that did actually receive the 'M' prefix. The size of the prefix was larger than seen elsewhere, but so was the size of the cabside numbers applied to No. 3004 in a non-standard font. 'British Railways' is emblazoned large upon the tender in this view, taken in April 1948. The renumbered locomotives also received a cast 'M' prefix to their smokebox numberplate in most cases. F. HORNBY/COLOUR RAIL

KNOW YOUR... LIVERIES

PART 6: BR Midland Region – the early years.

Paul Chancellor delves into the archives to chart the transition period between the former LMS and a unified British Railways corporate identity.

Those painting locomotives at the start of the British Railways era should get a prize for the number of variations that they could produce when, in theory, they had received detailed instructions from HQ on how they should proceed in applying a new corporate image across the locomotive fleet.

However, as has been seen in so many walks of life, what appeared to be fine in theory turned out to have many challenges when staff were confronted with all the different shapes and sizes of locomotive. Combine that with the need to apply new numbers faster than engines were receiving full works attention, and the result was a complex mixture of fonts and sizes with differences even within classes. The situation was exacerbated further if more than one works was involved in maintaining a particular class, as they each invariably put their own stamp on things. Here we see how stock from the erstwhile London, Midland & Scottish (LMS) Railway fared in the first couple of years of British Railways.

Above: In a matter of weeks, the full BR numbering scheme was announced, requiring 40,000 to be added to most former LMS stock numbers. A few engines previously numbered above 20,000 received completely new numbers. The LMS express passenger livery of the 1940s was lined black, and No. 46253 was at Crewe Works for remedial work that did not justify a complete repaint. Accordingly, the new number was applied to the cab sides, while the tender retained the LMS branding for now. Gone was the four-figure smokebox numberplate, yet a replacement five figure version had not been fitted at this time. COLOUR RAIL

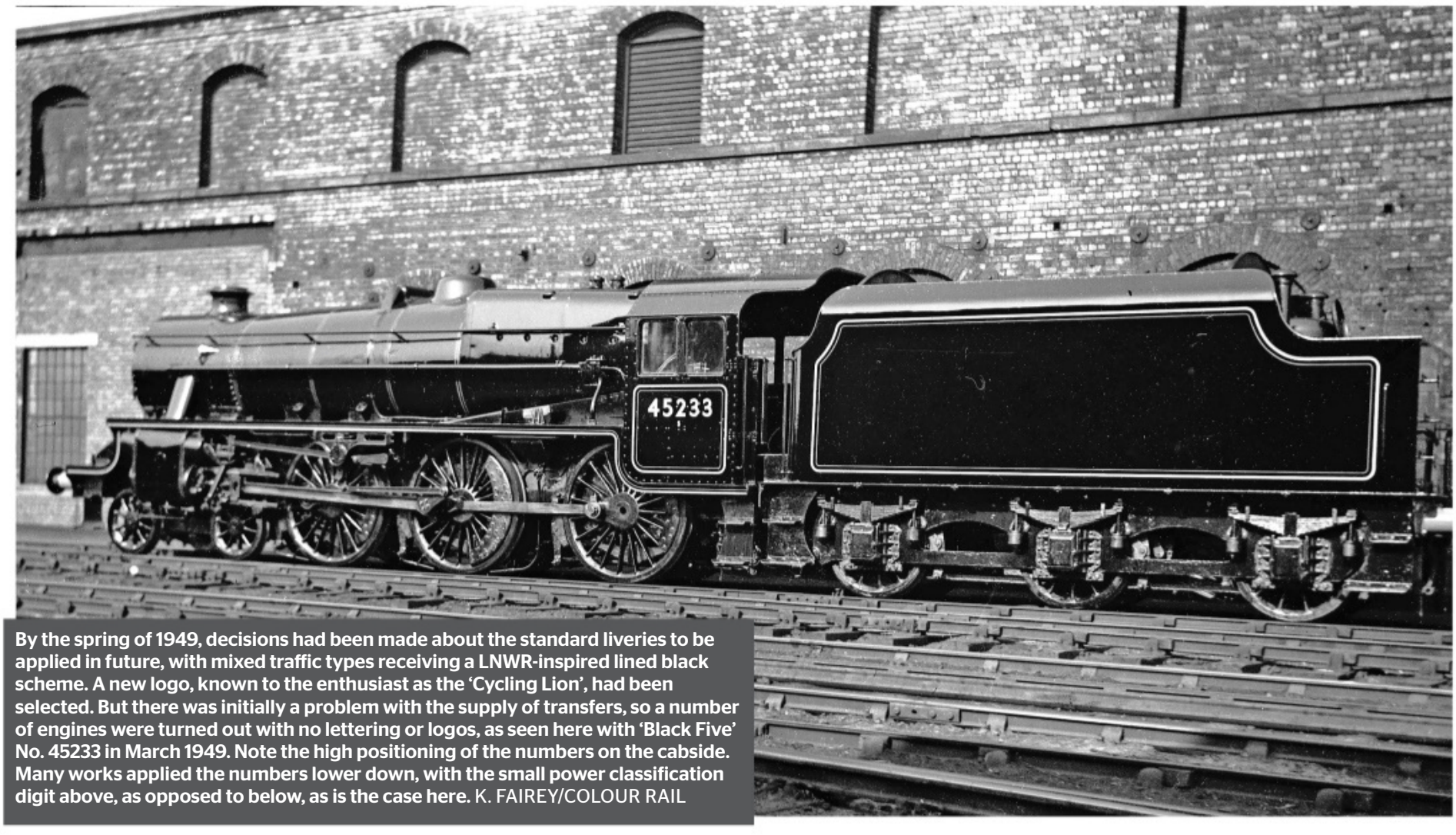
Ex-LMS engines featured in BR's program of livery evaluation, with blue applied to a 'Duchess' while a Stanier '5MT' could no longer be called a 'Black Five' after a coat of Brunswick green paint. However, the stand-out – and probably completely impractical – bright green was applied to a 'Jubilee' and 'Patriot', the latter class being illustrated here with No. 45531 gleaming amid the grime at Derby in 1948. Unsurprisingly, this scheme was not selected for wider use. COLOUR RAIL

Left: No doubt many engines received the 'new look' at a shed rather than going to a works specifically to have the job done. One of the former North London Railway 0-6-0Ts No. 58859 (LMS No. 27522) displays one of the tank engine varieties of 'half a job' with its new number beside LMS lettering. COLOUR RAIL

Below: The application of the full 'British Railways' legend and standard size numbers posed some problems. Here, Johnson Class 1F No. 41708 is in its new livery. Note that the numerals are smaller than the tank-side letters, seen in February 1950. With other classes, this was reversed, with larger numbers and smaller letters, even though there seems to be space to use a matching size! COLOUR RAIL

Above: Applying a number to the bunker of some classes was nigh-impossible. The ex-North London 'Dock Tanks' are an example. While No. 58859 carried the number and LMS branding side by side on the tank, No. 58861's number is below the BR lettering, as seen on October 7 1949. L.F. FOLKARD/COLOUR RAIL

Right: Some shed staff and enginemen took pride in their steeds and staff at Glasgow certainly took care of ex-LMS Fairburn 2-6-4T No. 42165, resplendent in the correctly applied, lined, mixed traffic black livery. It sports some extra touches and is seen at Glasgow Central in June 1950. The engine was approaching three years in service. T. OWEN/COLOUR RAIL



By the spring of 1949, decisions had been made about the standard liveries to be applied in future, with mixed traffic types receiving a LNWR-inspired lined black scheme. A new logo, known to the enthusiast as the 'Cycling Lion', had been selected. But there was initially a problem with the supply of transfers, so a number of engines were turned out with no lettering or logos, as seen here with 'Black Five' No. 45233 in March 1949. Note the high positioning of the numbers on the cabside. Many works applied the numbers lower down, with the small power classification digit above, as opposed to below, as is the case here. K. FAIREY/COLOUR RAIL

Notes from the Workshop

DAVE LOWERY'S TOP TIPS

CREATING LAB 6

BR's Research Department converted a Mk 1 carriage into an electrical systems test car in the mid-1970s, with the work being carried out at Swindon Works. Designed to carry a pantograph in order to test overhead line equipment (OHLE), the interior featured a conference area, kitchen, generator compartment and workshop.

To create an 'O' gauge rendition of this important prototype, I used a Heljan Mk 1 SK brake coach as a starting point. I had to cut and lower the roof section to accommodate a pantograph. It's a fairly simple operation, but I needed to use quite a few tools to do it.

As with an awful lot of model railway projects, the best reference we have is a set of photographs – side-on views if you are very lucky. Usually, however, the images are three-quarter shots, which are not always easy to work from.

There is a degree of 'modeller's licence' with any project and that allows us to get it as right as we can. Of course, if you have a drawing, well, that is just a luxury!

Using the side elevation photo of the coach, mark off where the cuts need to be made to lower the roof, using the positions of the windows as a reference point. Having marked the locations – and before cutting – you need to fill in the base with plastic card to strengthen the roof, which will be weakened once you cut out the lowered part.

Having glued the plastic card in place, it was left to cure fully overnight. Only when you're happy that it's solid, take a razor saw and cut the angled cuts at each end down to the new plastic card base.

I then used a slitting saw blade in a small electric drill to make the longitudinal cuts along both sides. Now file back to the marked lines and clean up any edge swarf. Check at various points that the cut is square to the roof base with a set square.

I fashioned and shaped a piece of brass to make the observation window and a plain piece of brass for the blank end of the roof.

Once they had been filed to shape and installed, any gaps were filled and the surfaces sanded smooth before the roof was primed, ready to receive the topcoats of paint.

Superfluous bodyside detail, such as hinges from sealed-up doors, were removed with an end-milling bit in an electric drill.

The model was marked off where the cuts needed to be made for the conversion, using photographs for reference.

Having cut and fixed plastic card to the inside of the roof, the cuts could be made without weakening the roof and risking breakage.

A slitting disc was mounted in an electric mini drill to make the longitudinal cuts along the roof of the coach, working well onto the waste side.

A set square was used to check that the cuts were at right angles to the sides. When happy, the excess plastic was filed away, down to the plastic card base, checking that the edges were straight and true at regular intervals.

I fashioned a piece of brass sheet to fill the sloping apertures in the roof. One of these would require observation windows cutting out and these were achieved with drills and a slitting disc – watch those fingers! Working over a scrap of hardwood allows the brass to be supported and absorbs the pressure from the drill and cutting disc.

With the brass fillets installed, any gaps were filled with putty and the roof given a good rub down with fine abrasives, prior to the primer coats.

With the painting stages complete, the flat roof section is almost ready to receive the pantograph.

HOW TO

MODEL SIMPLE LOW-RELIEF BUILDINGS

I'm looking to build up a backscene, featuring various low-relief factory or industrial buildings. Can you recommend any suitable – and cheap – kits that are easy to assemble? My layout is 20ft long, so I'll need quite a few of them!
Gill Evans, by email

As well as the extra relief from the overlay parts, Peter also added a simple canopy over the loading bay doorway, from corrugated plastic sheet and scraps of plastic strip.

OO GAUGE | N GAUGE | 2 hrs

Peter says: If you have a large area to cover, it's worth considering the type of card kits you can print yourself. Brands like Scalescenes (*www.scalescenes.com)* offer a variety of kits, in 'N' and 'OO' gauges, which can be downloaded and printed at home. The great thing is, you pay once and can print as many copies of the kits as you like. Only the extra cost of paper, card, glue and ink for your printer need to be factored into your budget.

Another, similar option was offered by Noch, in the form of various building kits stored on a CD. Again, the kits could be printed from your computer as many times as necessary, for just the one-off purchase price. I recently discovered that Noch no longer produces these kits, although the German company that originally made the kits for Noch has since expanded its own range of low-relief building kits alongside a huge range of quality backscenes. That manufacturer is JOWI, and the range of kits now includes office blocks and modern apartments, as well as a variety of industrial-themed buildings and backscenes. Although aimed primarily at the European market, many of the building styles would also look at home on a UK layout. Being rendered in 'HO' means that they're slightly smaller than 'OO', which can be effective when forcing the perspective slightly, making objects appear further away than they actually are.

Furthermore, the kits are also offered in 'TT' and 'N' gauges, offering even more potential.

Some of the JOWI CDs also come with an appropriate panorama background plus a neutral cloud sky, which measures up to two metres in length depending on the selected scale, so they offer good value.

Product: Jowi CD 014 Small Industry
Cost: €20.12 plus postage
Availability:
www.modellbahn-hintergrund-shop.de

STEP BY STEP

1

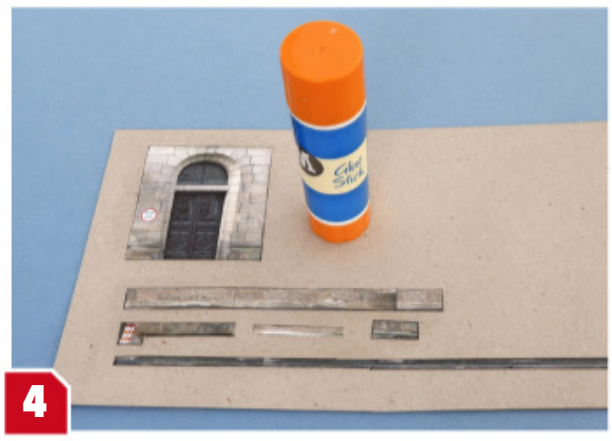
After popping the CD into my computer, I printed out the kit components on my colour inkjet printer, using regular (200gsm) white paper. The kits can be printed as many times as you like, which allows for endless customisation.

2

The quality of the appearance depends on the capabilities of your printer, but even a bog-standard inkjet machine can produce acceptable results. Printing each kit a number of times allows various parts to be cut and overlaid to improve the sense of relief.

3

The individual parts were cut with a sharp scalpel and steel rule, on a cutting mat. It's worth colouring the exposed white edges of the paper with matching shades of felt-tip pens. Note the doorway and other parts that have been cut form a second, identical print out.


4

The extra parts, designed to add extra relief, were laminated onto a sheet of 3mm card, fixing in place with a glue stick. The parts can then be carefully cut out.

5

The base layer was also laminated onto 3mm card. To cover the area, I brushed out a thin layer of Deluxe Materials Speed Bond adhesive. As it became tacky, the paper was placed over the card and any ripples gently pressed out.

6

When the glue had dried, the extra layers were installed, including the main doorway, stone plinths, gutters and windowsills. The improvement over the flat original print is substantial.

SALES LINE
01432 352809
EMail - sales@herefordmodelcentre.co.uk
www.herefordmodels.com
SHOP OPEN MON-SAT 9-5.30

THE HEREFORD MODEL CENTRE
4 COMMERCIAL ROAD, HEREFORD, HEREFORDSHIRE, HR1 2BB

009/HOE IN STOCK

WE HAVE A COMPREHENSIVE RANGE OF NARROW GAUGE STOCK AND TRACK FROM MINITRAINS, ROCO, LILIPUT AND PECO. WE ALSO STOCK DUNDAS KITS.

HORNBY

R2917 2800 Class BR.....£103.99
R30087 LNER A3 Lemberg black £227.69
R3233 LNER D16 .....£100.95
R3242A K1 BR Early.....£116.95
R3243B K1 BR Late £116.95
R3612 'Mallard' 80th Anniversary Gold Plate Edition .£183.99
R3631 BR H Class.....£116.95
R3634 SR Lord Nelson class £152.95
R3681 LMS Duchess.....£184.00
R3703 Peckett W4 Bear ...£114.75
R3727 LMS PUG.....£63.00
R3728 BR PUG £63.00
R3781 K&ESR Terrier £80.75
R3830 Class A2/2 Cock o' the North ..£170.99
R3832 LNER A2/3 Edward Thompson £171.00
R3833 LNER A2/3 Chamossaire £171.00
R3866 Sir Winston Churchil £197.99
R3989 LNER A1 Knight of Thistle £227.69
R3991 BR A3 Flying Scotsman £227.69

Train Packs/Sets

R3299 1945 Going Home.£259.45
R3399 EWS Freight train pack £184.99
R3402 Queen of Scots pack £263.99
R3873 5-car APT.....£430.20

HORNBY Diesel Electric Locomotives

R3373 Class 71 BR Green w/panel.....£134.95
R3374 Class 71 BR Blue..£134.95
R3376 Class 71 BR Green£134.95
R3705 R&H 48Ds Dewars..£71.99
R3706 R&H 48Ds Army £71.99
R3707 R&H 48Ds Longmorn £71.99
R3739 Class 87 BR Blue..£153.89
R3742F Class 92 DB Romania £98.99
R3741 Class 92 GBRF £76.50
R3760 Class 59 GBRf.....£67.99
R3884 Cl 60 DB Cargo 60100.....£161.99
R3885 Cl 60 DB Cargo 60062 .....£161.99
R3898 TTS BR Class 08 sound £180.90
R3899 BR Class 08 yellow £166.95
R3900 GWR Cornwall Class 08 .....£159.30
R3901 Cl 60 Colas £161.99
R3958 HST FGW Blue.....£326.99
R30009 Sentinel London Carriers £98.09
R30010 Sentinel Hitachi £98.09
R30023 GBRf Pride Class 66 .....£74.25
R30026 GBRf Class 60.....£206.09
R30041 TTS Class 37 Colas sound £108.89
R30044 Class 37 Network Rail £87.29
R30047 Class 37 Rail Operations £87.29
R30083 Sentinel 0-6-0 P o B £98.09
R30084 Sentinel 0-6-0 M.S.C. £98.09
R30085 Sentinel 0-6-0 NCB £98.09

HORNBY TRACK

R083 Buffer Stop £2.50
R207 Track Fixing Pins £3.25
R600 Straight £2.15
R601 Double Straight £1.85
R604 Curve 2nd radius.....£2.55
R605 Double Curve 1st Rad. £3.25
R606 Curve 2nd Rad. £2.15
R607 Double Curve 2nd Rad. £3.25
R608 Curve 3rd Rad.....£2.55
R609 Double Curve 3rd Rad. £3.25
R610 Short Straight.....£1.65
R614 LH Diamond Crossing £13.95
R615 RH Diamond Crossing £13.95
R617 Uncoupling Ramp.....£3.95
R618 Double Isolating Rail ..£9.90
R620 Railer Uncoupler.....£6.95
R628 Half Curve 3rd Rad....£2.80
R643 Half Curve 2nd Rad. ..£2.25
R8072 LH Point £11.85
R8073 RH Point £11.85
R8074 LH Curved Point £18.85
R8075 RH Curved Point.....£18.85
R8076 Y Point.....£13.90
R8077 LH Express Point £18.85
R8078 RH Express Point.....£18.85
R8261 4th Radius Curve £2.80

HORNBY Track Accessories

R076 Footbridge £16.20
R169 Junction Home Signal £16.85
R170 Junction Distant Signal £16.85
R171 Single Home Signal .£12.90
R172 Single Distant Signal£12.90
R189 Single Brick Bridge..£12.80
R406 Colour Light Signal £9.90
R574 Trackside Accessories £14.90
R626 Point Underlay.....£6.90
R636 Double Level Crossing £28.80
R638 Track Underlay £15.85
R645 Single Level Crossing £18.85
R658 Inclined Pier Set.....£9.90
R659 High Level Pier Set £8.10

HORNBY Trackside

R460 Straight Platform £4.00
R462 Large Curve Platform £4.00
R463 Small Curve Platform.£4.00
R464 Platform Ramp.....£3.00
R510 Platform Shelter £14.85
R8003 Water Tower.....£14.85
R8007 Booking Hall.....£26.99

HORNBY Control Equipment

R044 Point Switch.....£10.75
R046 Two Way Switch £10.75
R047 On/Off Switch £10.75
R602 Power Connecting Clip £2.80
R8014 Point Motor.....£9.45
R8015 Point Motor Housing ..£6.60
Hornby TTS sound decoders .£37.80

BACHMANN Steam Locomotives

31-002 Robinson BR Early Crest £94.99
31-003A Robinson 04 LNER £110.45
31-088 BR Black Earl £118.95
31-117 BR 4MT tender loco £178.45
31-127 CL3000 BR ROD ..£118.45
31-128 BR ROD Weathered £102.45
31-136 DC D11/2 BR.....£115.90
31-318A LNER J11 .....£127.45
31-433 BR Ivatt 2mt tank ..£140.20
31-434 Class 1f BR Early.....£81.55
31-442 LMS Ivatt 2mt tank£140.20
31-462A C Class BR Early..£106.20
31-465 C Classs BR.....£93.46
31-480 Class G2A LMS.....£101.95
31-481 Class G2A BR Early £114.70
31-614 V3 BR Late £110.45
31-628 DC 3F BR Black Weathered.....£93.20
31-691 BR Early Stanier Mogul £135.95
31-716A BR B1 weathered .£152.95
31-717 LNER B1 green £144.45
31-932 DC BR Compound £127.75
31-932 BR Compound Early £169.95
31-933 BR Compound Late Crest £112.88
31-933A BR Compound Late £169.95
31-934 LMS Compound £182.70
32-205A BR 8750 Pannier.£101.35
32-511 BR Standard 5mt Green £169.95
35-050 LNWR Coal Tank....£101.95
35-051 LMS Coal Tank £101.95
35-200 LNER green V2 .....£195.45
35-201 BR black V2 .....£195.45
35-202 BR green V2.....£195.45
E85008 SR Class 02.....£127.45
E85009 BR Class 02.....£127.45

BACHMANN Diesel/Electric Locomotives

E84005 Class 58 Railfreight redstripe.....£157.20
E84006 Class 58 Railfreight Coal sector.....£157.20
E84007 Class 58 Mainline .£157.20
E84008 Class 58 EWS weathered £157.20
31-491 4-BEP Blue/Grey ..£424.95
32-394 Class 37 Colas £144.45
32-390 DB Class 37 EW&S £144.45
32-415 BR Class 24 green £152.45
32-416 Cl24 BR Blue £152.95
32-444 BR Class 24 RTC...£152.95
32-613SF Class 90 Intercity Sound £280.45
32-620SF Class 90 Freightliner Sound.....£280.45
32-682 BR Class 45 green £135.45
32-739 Class 66 Freightliner £135.95
32-741 Class 66 BIFFA..... £127.45
32-755A Cl57 Arriva Wales .£157.20
32-763A Cl57 DRS.....£152.95
32-900C Cl108 BR Green...£203.95
32-908 Cl108 Blue/Grey £203.95
35-410 BR Class 47 green £203.95
35-411 BR Class 47 blue ..£203.95
35-413 Class 47 Intercity Swallow £203.95
35-413SF Class 47 Intercity Sound £288.95
35-418 BR Class 47 Construction £203.95
35-419 BR Class 47 Rft Distribution £203.95
35-526 Cl 121 Blue/Grey...£131.70
35-527 Cl 121 Network Southeast £131.70
35-351 Class 20 BR green £152.95
35-357 BR Class 20 Rft.....£152.95

DAPOL/OXFORD/HELJAN/DJM

GV2013 Janus British Steel ..£92.45
OR76DG005 Dean Goods w.snowplough..£94.50
OR76AR005 Adams East Kent £84.45
OR76AR006 Adams SR.....£84.45
OR76J27001 LNER J27.....£93.45
9006 Metropolitan No 6 William Penn £106.95
H1303 1361 BR Early £122.45
H1304 1361 BR Late.....£122.45

Mail Order Service

All prices valid to 30.06.22.
You must state these prices when ordering
POSTAGE & PACKING RATES PER ORDER:
- UK Standard Postage and Packing Rate £3.95
- UK Insured Postage and Packing Rate £7.10
- UK Courier Transport and Packing Rate £9.00
- Worldwide at cost • VAT free to non EC

Train Sets/Packs and Controllers/Handsets - Postage charged at cost
PRICES SUBJECT TO CHANGE WITHOUT NOTICE.
Please allow 7 days for clearance when paying by cheque
PLEASE QUOTE OUR SPECIAL PRICES WHEN YOU VISIT US
CREDIT/DEBIT CARDS WELCOME.

LARGE RANGE OF QUALITY SECOND HAND MODEL RAIL IN STOCK

METCALFE

Card Construction Kits

BUILDING A MODEL RAILWAY
DVD01 / DVD02 / DVD03

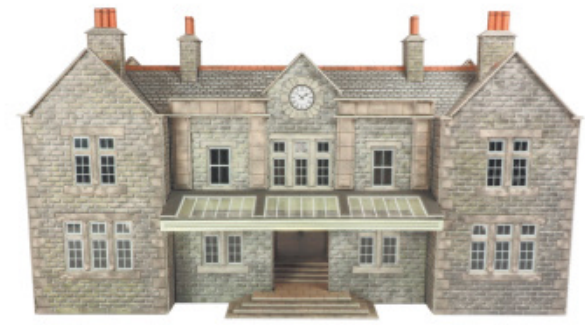
MAKE GLUING EASY...

ULTRA FINE-TIP GLUE APPLICATORS
CODE MT907
Glue not included.

MAINLINE RAILWAY STATIONS

PARCEL OFFICE
00 SCALE PO321 / N SCALE PN921

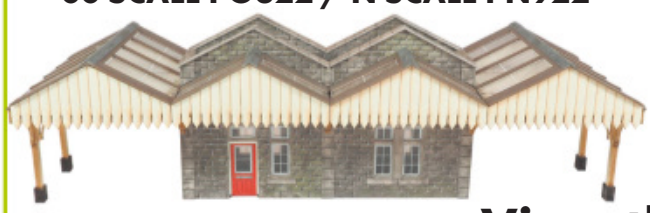
WALLED BACKED CANOPY
00 SCALE PO341 / N SCALE PN941



MAINLINE STATION BOOKING HALL
00 SCALE PO320 / N SCALE PN920
The Grand Entrance from street to platform level.

PLATFORM CANOPY
00 SCALE PO340 / N SCALE PN940

ISLAND PLATFORM BUILDING
00 SCALE PO322 / N SCALE PN922



View from railside, with Parcels Office, Booking Hall, Island Platform Building & Walled Backed Canopy.

View the full range and shop online

metcalfemodels.com

Or contact us for a FREE catalogue - 01729 830072

Why not sign up to our Newsletter via the website for all the latest news!

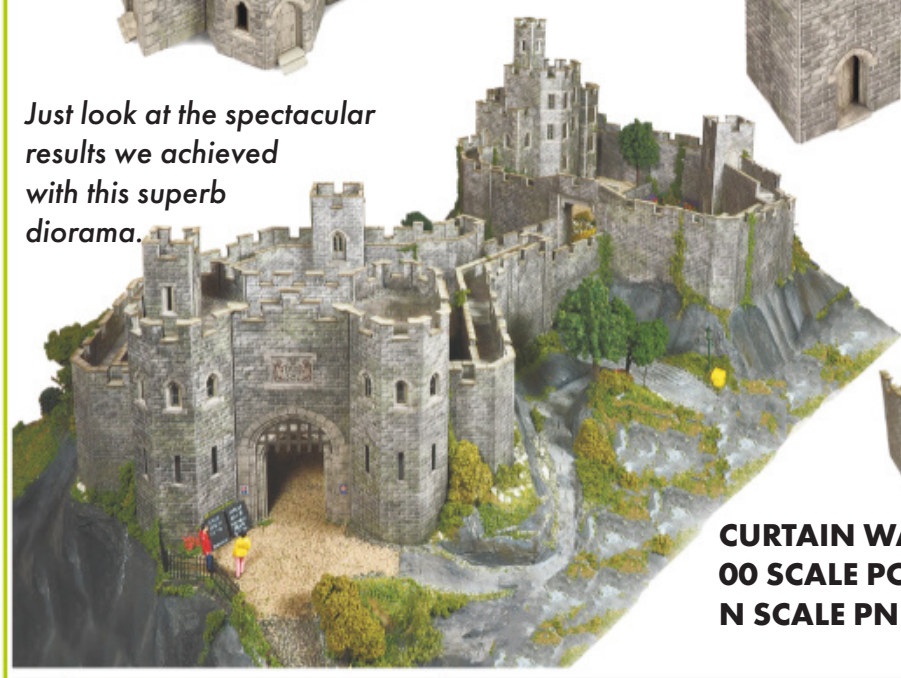
CASTLES WITH THE WOW FACTOR!

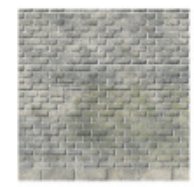
The Beating Heart of the Castle.
Or could be a stand alone Country House.
CASTLE HALL
00 SCALE PO294
N SCALE PN194

WATCH TOWER
00 SCALE PO292
N SCALE PN192

CASTLE GATEHOUSE
00 SCALE PO291 / N SCALE PN191
A large entrance gate to the castle, or maybe a city or Town wall gate.

Just look at the spectacular results we achieved with this superb diorama.





CASTLE BUILDING SHEETS
00 SCALE PO295
N SCALE PN195

CURTAIN WALLS
00 SCALE PO293
N SCALE PN193

CASTLE WALL BRIDGE
00 SCALE PO296 / N SCALE PN196
A section of castle / city wall with a bridge opening for road or rail use.

facebook join our group +

Join us on Facebook and share your Metcalfe journey. Search "Metcalfe Models Official Group" and like our page @metcalfemodels

Small... but perfectly formed

Taking advantage of having lots of spare time, **Chris Sykes** indulged his love of BR blue diesels – and a desire to create a narrow-focus, ultra-detailed and compact china clay works.

Words: **Chris Gadsby** Photography: **Chris Nevard**

1

What makes this layout great?

The change in elevation at the right-hand side really draws your attention at this layout. Going from the lowest point to the highest point in such a small area really gives the impression that 'Portmaurwin' is cut into the hillside, and makes it appear to be part of a much larger world.

There are three words on the cover of every issue of *Model Rail*: 'innovative', 'in-depth' and 'independent'. Then, on the contents page, there's another: 'inspiration'. Within the pages we produce every 28 days we aim to provide you with photographs and articles designed to get your creativity flowing. It's lovely, therefore, to see layouts inspired by projects we've previously featured. Readers will remember Chris Sykes and his 'Amberfield' layout from MR296, and now he's back with another 'N' gauge layout inspired by Chris Nevard's Cornish commission to Kernow Model Rail Centre.

"I loved that layout and wanted the Kernow exclusive 37207 *William Cookworthy* in BR blue with Cornish Railways branding that suited it, but I wouldn't have been able to run it on 'Amberfield' because of the different eras, so I had to put the whole idea to the back of my mind. Then, when Scalescenes released a half-relief kit of a china clay works the plan came back to fruition and I remembered Chris' article (MR260). Like many of us, I was left with a lot of spare time

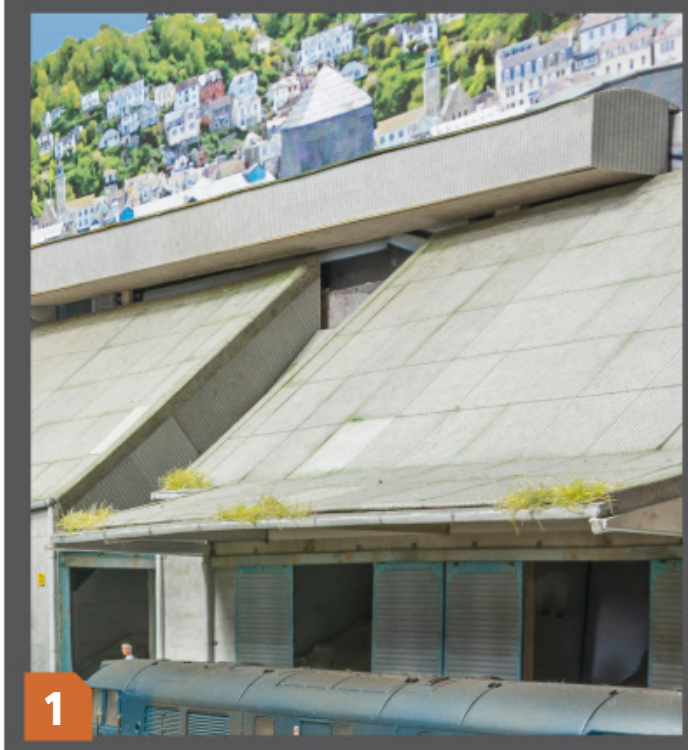
recently and decided to build a much smaller layout than 'Amberfield', that I could build in a few months and on which I could focus more on the detail."

This attention to detail includes everything from the weathering of the buildings to the track, which Chris says is an upgrade from previous builds.

"At 'Portmaurwin' I elected to use Peco Code 55 track instead of the Code 80 I'd used before. As this was a small layout (3ft 4in by 8in) I could afford to try something different, knowing that it wouldn't be an expensive mistake if I decided I didn't like it.

The backscene is a collection of photographs Chris has taken from Google Street View, taking screenshots from various locations. The backscene is bits of Looe and other towns in that area merged together. As in real life, the layout seems as though the town is above everything else and the railway is down by the water's edge.

3 things we like



1 Concrete surfaces created from plastic card and paper.

2 The pipe over the railway – a piece of model kit sprue cut to shape.

3 The steps up the hillside to the crossing.

In the end, I wish I'd done 'Amberfield' with Code 55 as it looks so much more realistic than Code 80! When you add in the details such as the grass between the sleepers (another trick I got from Mr Nevard) it really starts to come alive!

But more on the details later. Built on a modular baseboard, 'Portmaurwin' is based around a Cornish china clay works in 1986-87, Chris' era of railway history.

"I grew up with the blue diesels so it was only natural that I'd want to build a layout involving them. The Kernow exclusive model and the Scalescenes kit became the perfect partnership for a modelling scene and so I almost fell into producing a china clay works. At the

Chris has an operating structure, and even the switchback siding is operational. The idea is you bring in a locomotive from the left, uncouple it, run to the signal, into the fiddleyard and pull the train back out again.

moment it's on DC control but I do have a plan to convert it to DCC as it would be a lot cheaper to do than 'Amberfield'. The only thing I don't like at the moment is the lack of off-scene storage, but I'm in the process of adding a fiddleyard at each end to solve that problem."

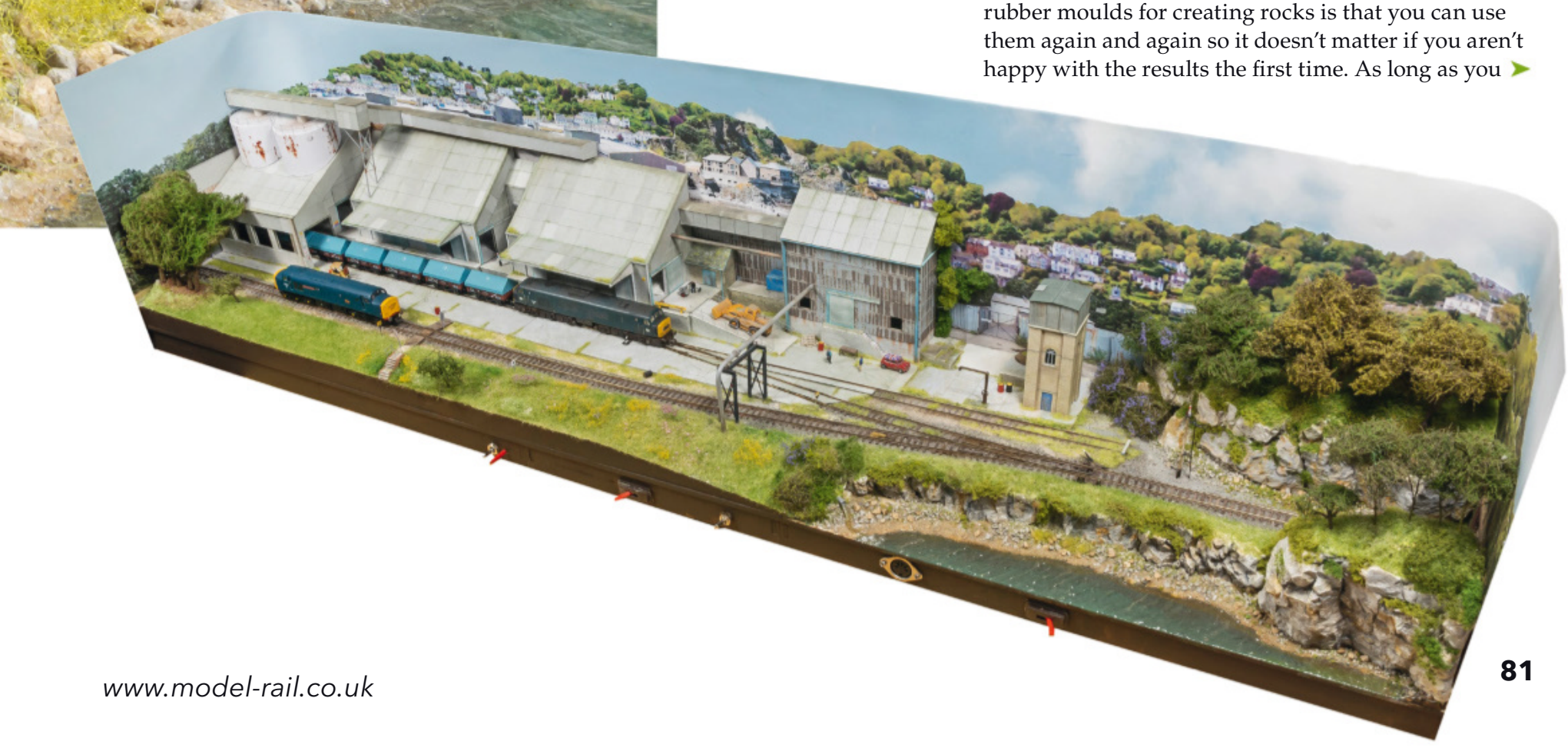
A HYBRID BASEBOARD

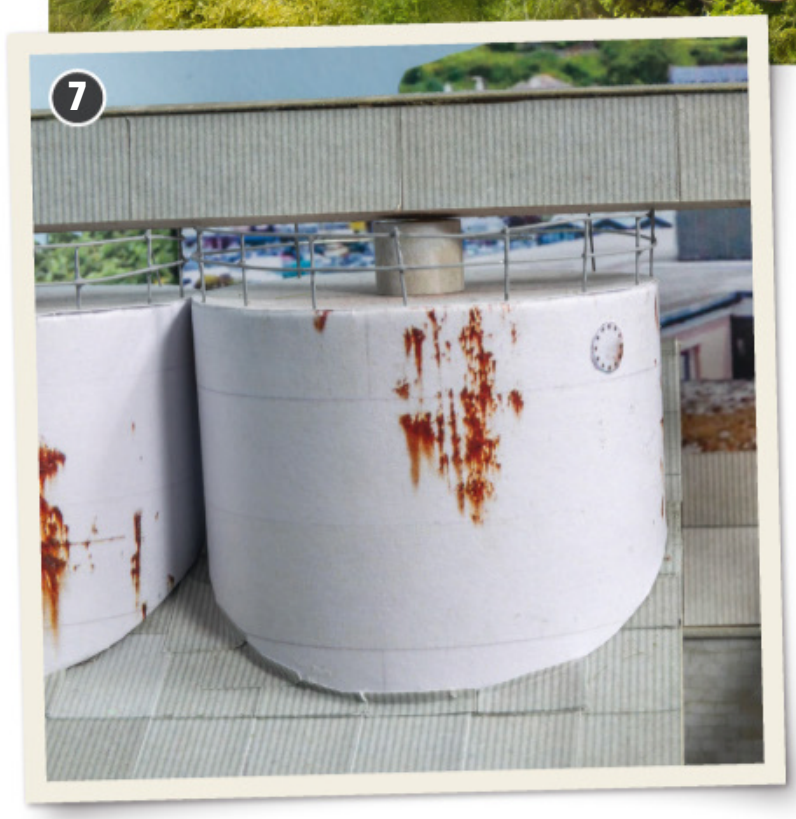
It's generally accepted that there are two types of baseboard, flat-top and open-top. However, that approach doesn't suit everybody for every layout, and a combination of the two can sometimes prove to be the most effective solution. For Chris, this proved to be the case.

"I didn't want the layout, even though it's only eight inches from front to back, to be completely flat, so I raised it on 20mm pine structures and laid plywood sheets across the top, cutting it away where the layout needs to sit below the track at the front. Using corrugated card formers to take the slope down I was able to get a gentle decline in height down to the estuary at the front. That, coupled with the deep cutting on the right-hand side of 'Portmaurwin' provides a great deal of height in a small area and is, again, typical of the location."

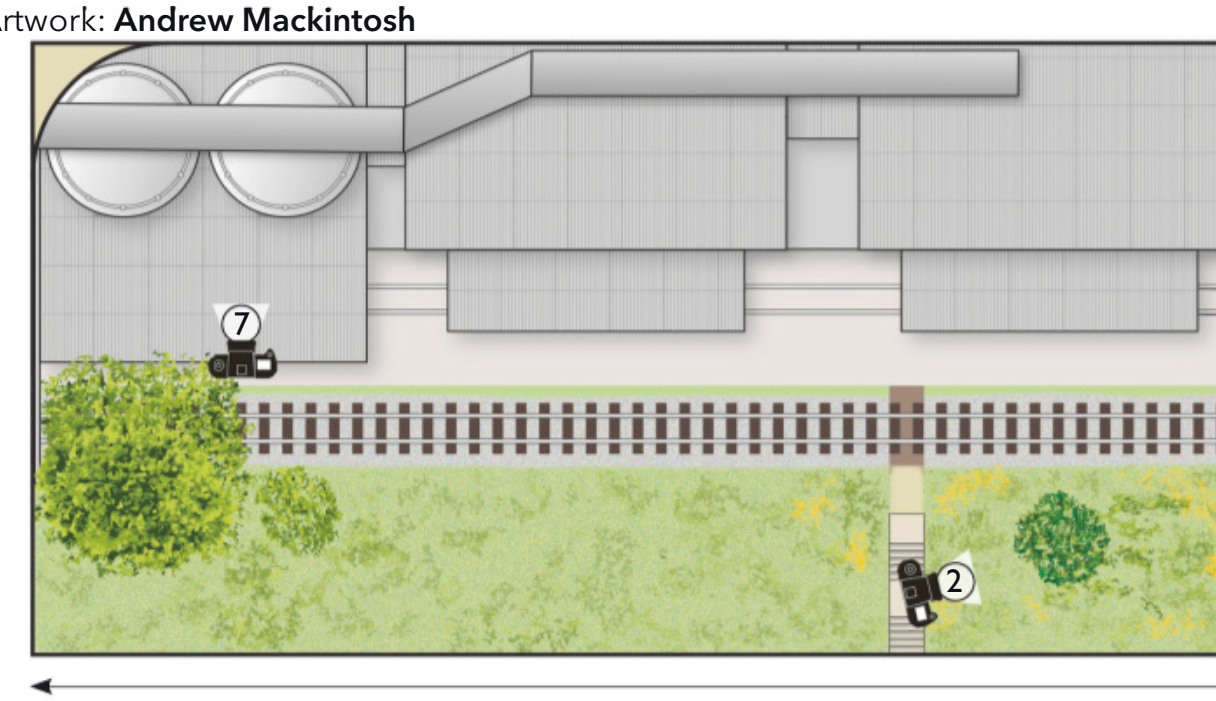
Sticking with the cutting and the rock faces, this is the section Chris is most proud of, as it took him a couple of attempts to get it right.

"The great thing about using Woodland Scenics rubber moulds for creating rocks is that you can use them again and again so it doesn't matter if you aren't happy with the results the first time. As long as you ➤





Artwork: **Andrew Mackintosh**



follow the instructions you'll end up with usable rocks that just need painting and weathering. Once the Plaster of Paris has set you can assemble it like a drystone wall and paint accordingly. I aimed to replicate the rusty streak that you find on the prototype and discovered that the paint has to be quite runny to soak into the plaster. I'm so pleased that I gave it another go though as my second attempt is much more realistic than the first."

It wasn't all plain sailing though, and Chris' desire to include small details meant that on occasion, his patience was tested

"There are two tanks on the left-hand side of 'Portmaurwin' which are Scalescenes kits that I've had to kit-bash to make fit. Firstly, adding a slope to match the roof involved a lot of patience to get right. As many modellers know, you can take more off but once it's gone, it's gone. Patience was the key to ensuring a snug fit. Then it came to adding the railings. These were extremely small and very fiddly, and I found myself pulling my hair out on several occasions.

"Attention to detail was the main aim with this layout and it was a case of 'look at the real thing and pick off what I could see that was available on the market and wouldn't make it too busy'. One feature is a lone traffic cone. There's one on every layout I've built, almost like my trademark."

Chris is hoping that the small size of 'Portmaurwin' will allow him to take it on the exhibition circuit, so keep an eye out for layouts with a lone traffic cone on them – you might just be looking at a Sykes! MR

FACTFILE: 'PORTMAURWIN'

Gauge and scale: 2mm:1ft, 9mm scale, 'N'

Size: 3ft 4in by 8in wide

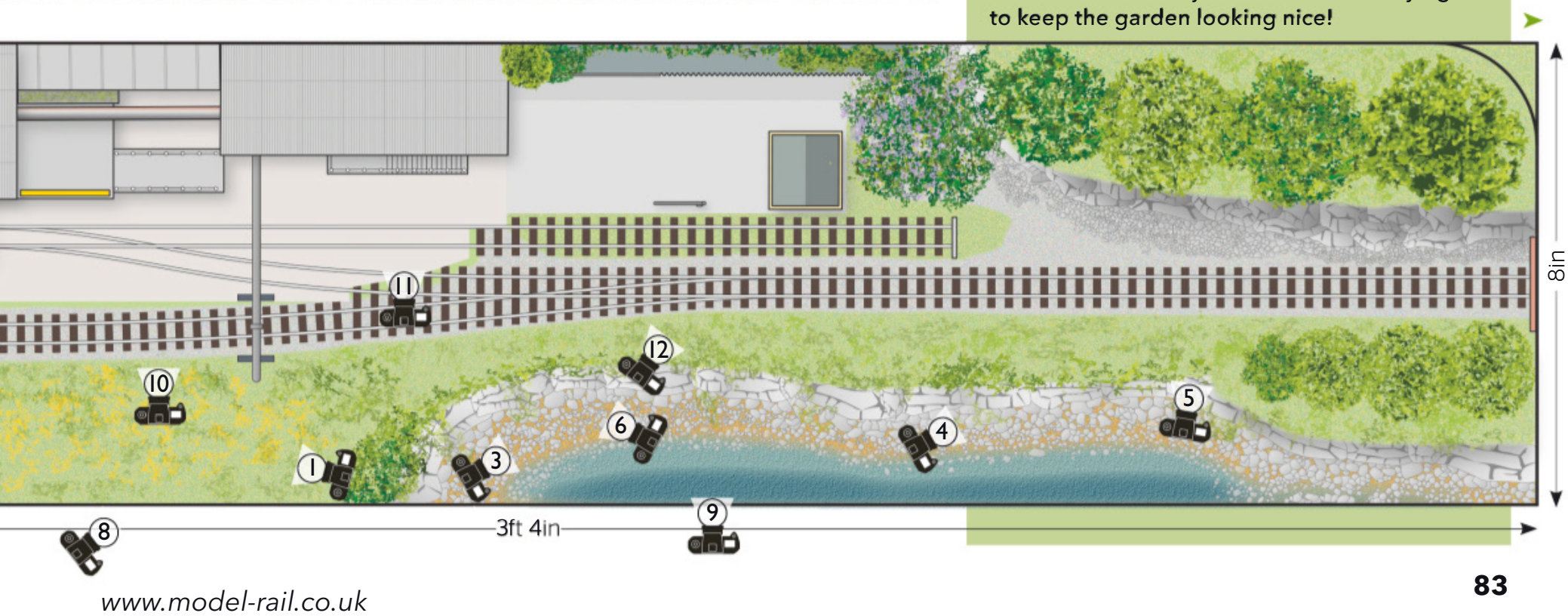
Track: Peco Code 55

Time to build: Five months

Power and control: Analogue

MODELLER CV: CHRIS SYKES

If I'm not working on the layout, I enjoy walking disused railway lines around the country and gardening, which can become a full-time job in the summer trying to keep the garden looking nice!



The estuary has been created using a basecoat of green, brown and blue acrylic paint. Several coats of acrylic varnish were then applied and a final layer of Modge Podge, which Chris saw used in *Model Rail*, to create the ripples.

Secure Garden Workshops

Bespoke Steel Building Kits, providing secure storage, bright workshops or display areas. Can be any size from 2m x 2m to small factory units. Comes with full instructions for self build on simple concrete slabs (no cast in bolts needed).

Can be supplied with insulated roof and wall cladding with secure steel roller and panel doors all in a range of colours. We can also supply window openings to provide everything your home office/workshop needs.

Call 01366 321 269 for advice and email

info@oz-uk.com for quotes. We can supply kits for storing steam trains, aircraft and motor vehicles right down to tool sheds and model stores. You dream we build.

OZ-UK Steel Buildings

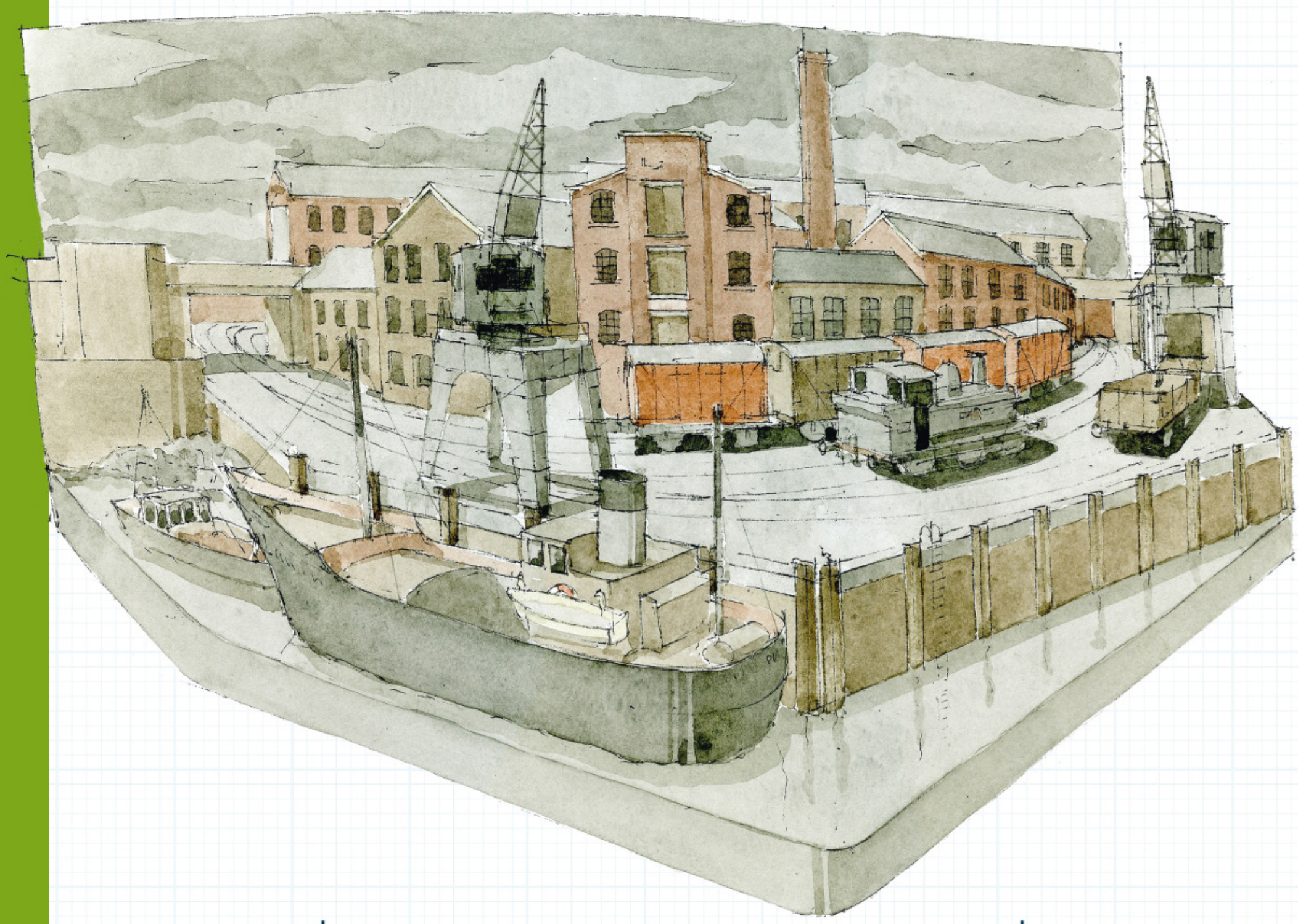
FSB MEMBER OF THE FEDERATION OF SMALL BUSINESSES

CSB Capital Steel Buildings "Built on Service"

Masterplan Inspiration

Track plans to get you thinking in three dimensions

300th Souvenir Edition



Then, now and BEYOND

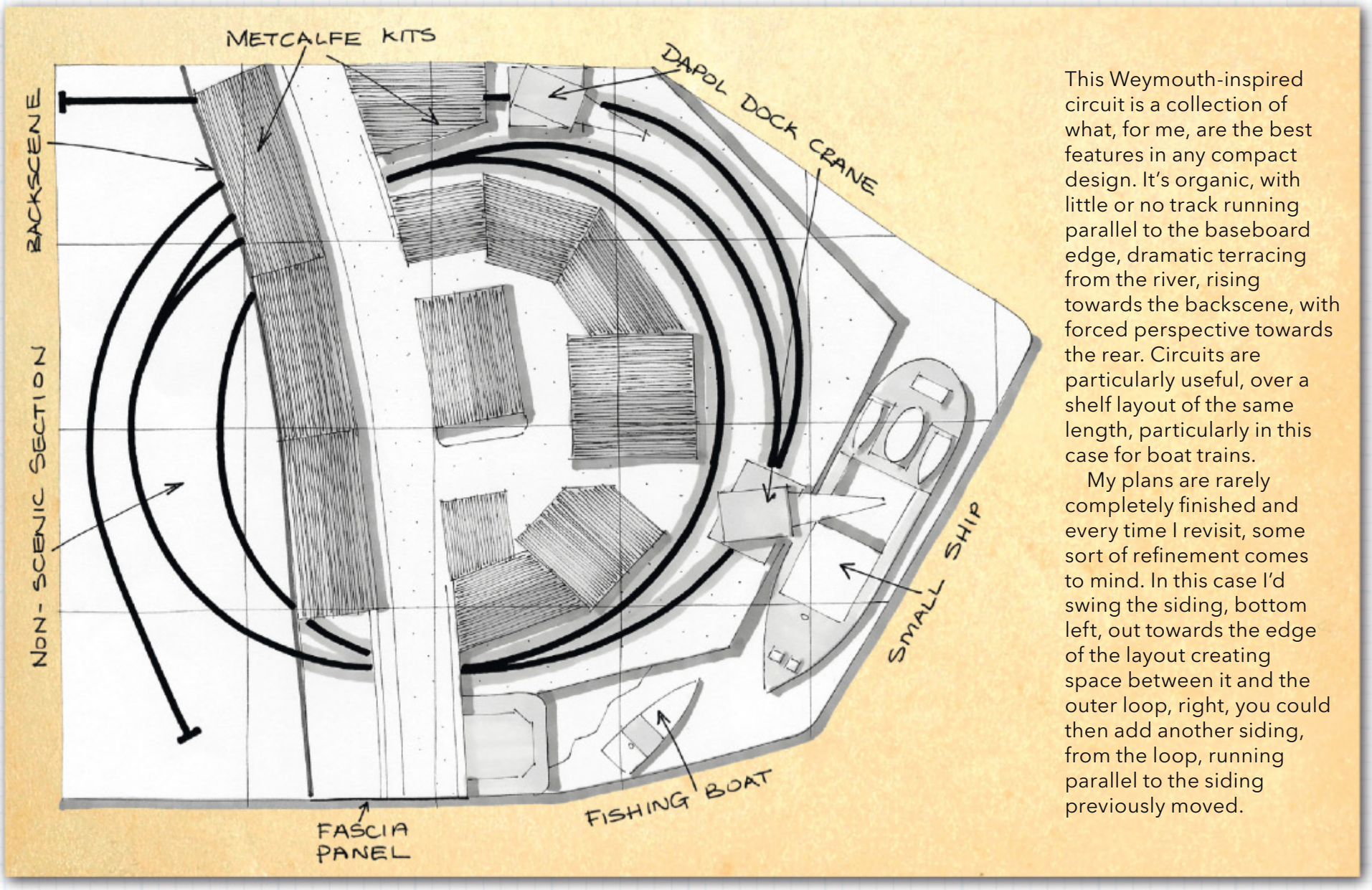
Paul A. Lunn takes a look at how layout planning and design has changed through the years… and ponders what the future may hold.

Artwork & photography: **Paul A. Lunn**

It's fitting, in our 300th anniversary issue, to take a retrospective look at layout planning and design, examining early developments, current practice and future prospects. Space won't allow me to include everyone worthy of recognition – Roy Link, David Jenkinson, Iain Rice, Chris Nevard – but I've included a selection of leading lights who have influenced my own efforts.

Many of these individuals, with overlapping timespans, have certainly influenced each other and while there are brief accounts here, relevant especially to design and planning, their full stories can be found tucked in among text and plans in their own publications.

● Each square represents 1ft.



This Weymouth-inspired circuit is a collection of what, for me, are the best features in any compact design. It's organic, with little or no track running parallel to the baseboard edge, dramatic terracing from the river, rising towards the backscene, with forced perspective towards the rear. Circuits are particularly useful, over a shelf layout of the same length, particularly in this case for boat trains.

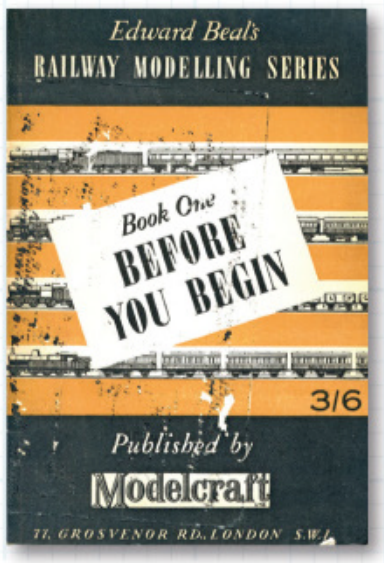
My plans are rarely completely finished and every time I revisit, some sort of refinement comes to mind. In this case I'd swing the siding, bottom left, out towards the edge of the layout creating space between it and the outer loop, right, you could then add another siding, from the loop, running parallel to the siding previously moved.

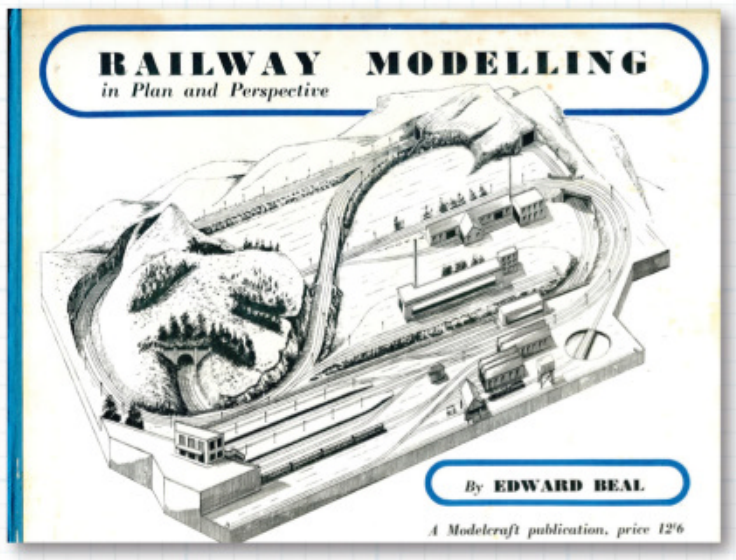
ROOTS

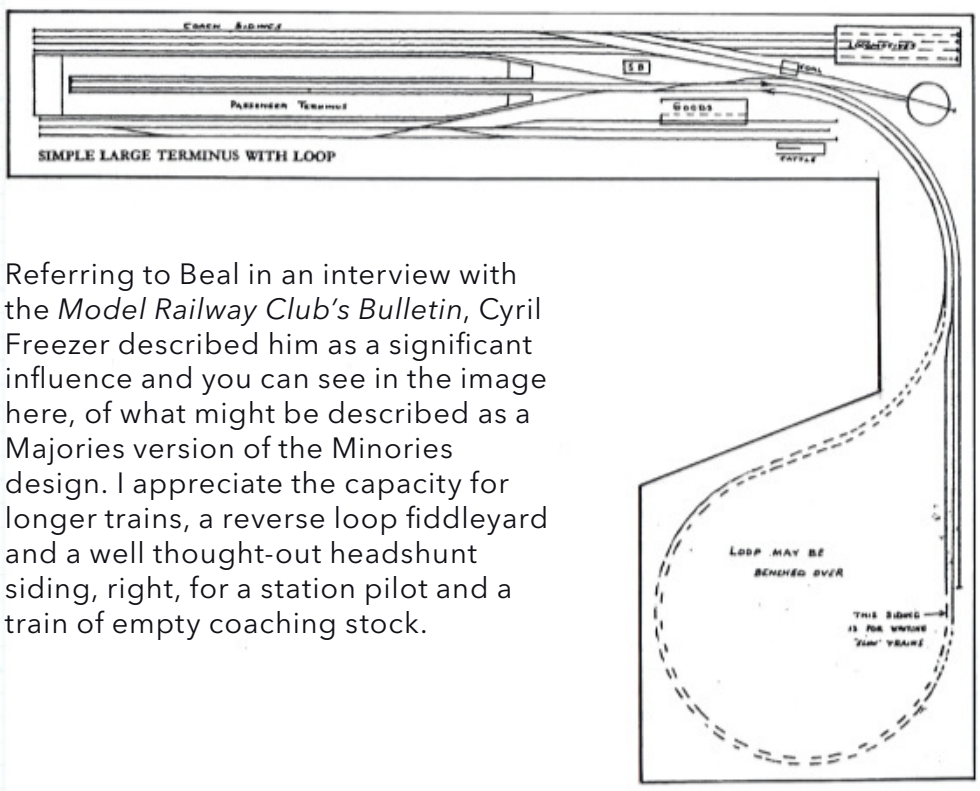
Edward Beal, 1889-1985

Beal's skill for sharing ideas has been 'preserved' in an excellent range of books. This collection of track plans, some North American in interpretation, are outstanding. His priority for modelling was an "understanding of railway practice, commencing with a predetermined 'must-have' list and mindfully considered to suit available space."

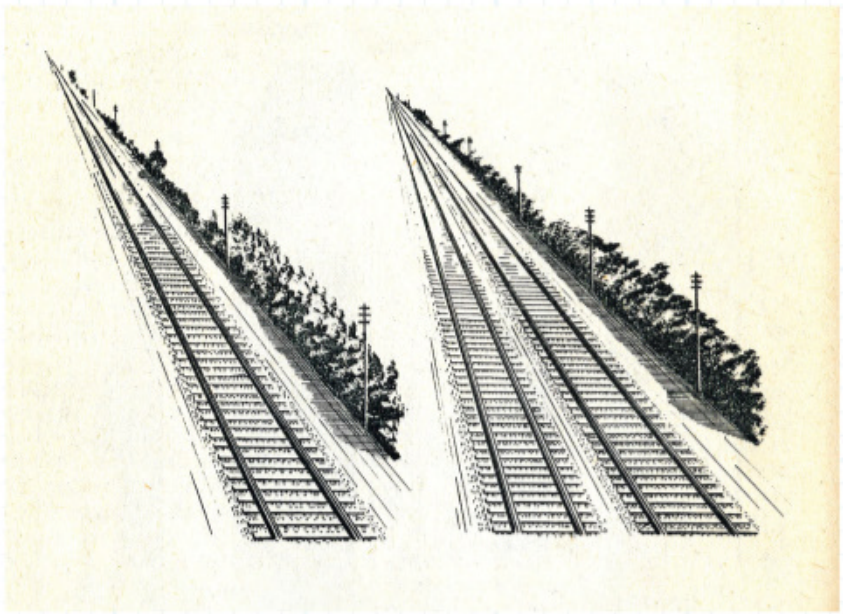
He was much admired for his 'West Midland Railway', which was frequently revised and rebuilt. More operationally effective than scenically outstanding, it was not as ground-breaking as John Ahern's 'Madder Valley'.





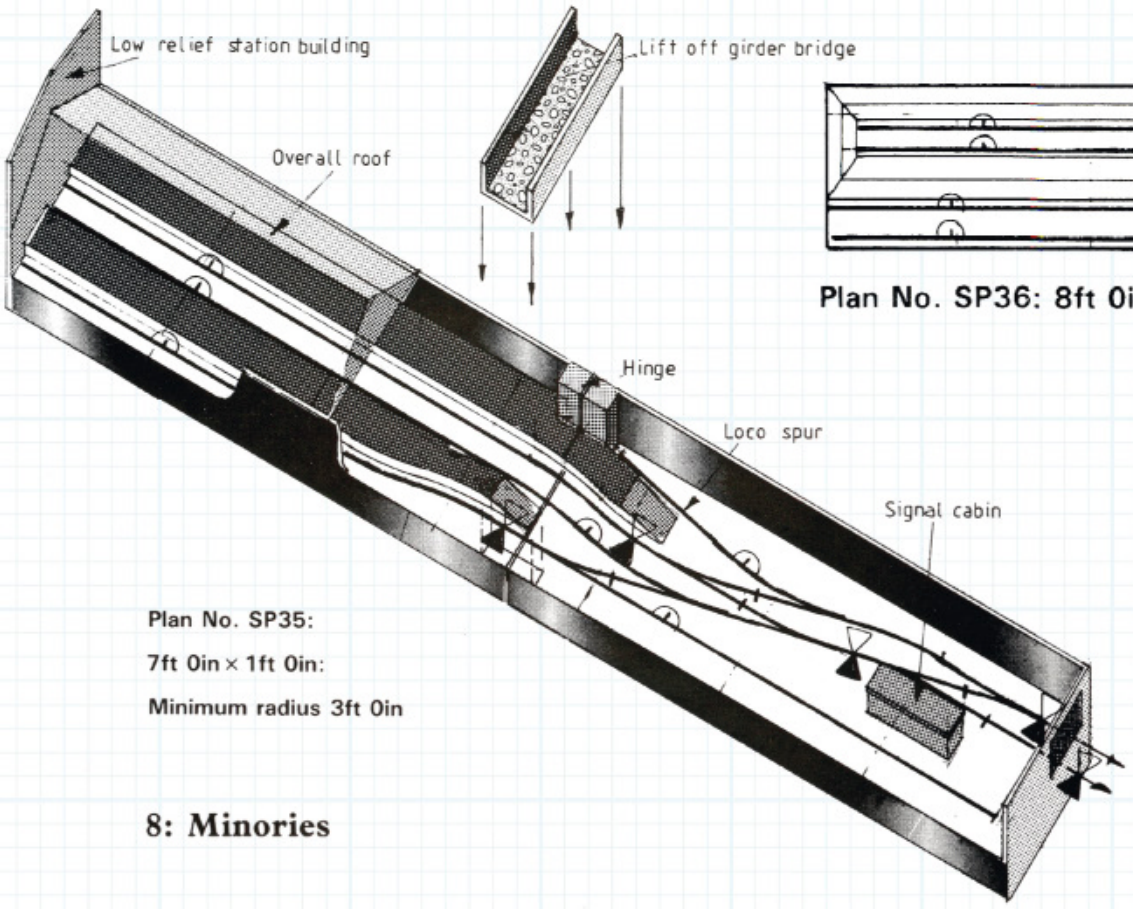


Referring to Beal in an interview with the *Model Railway Club's Bulletin*, Cyril Freezer described him as a significant influence and you can see in the image here, of what might be described as a Majories version of the Minories design. I appreciate the capacity for longer trains, a reverse loop fiddleyard and a well thought-out headshunt siding, right, for a station pilot and a train of empty coaching stock.

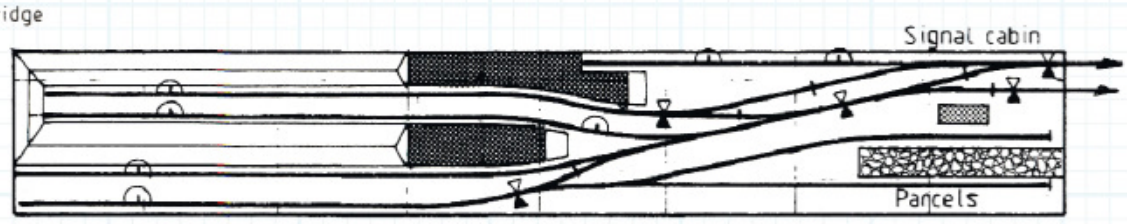


I have empathy with Beal on compression, in that it is "an art in itself." He focused particularly on slightly closing up parallel tracks, to reduce overall width, both space-saving and visually pleasing, in that anything narrower looks longer, as you can see in his comparison of single and double track.

Masterplan Inspiration



Plan No. SP35:
7ft 0in × 1ft 0in:
Minimum radius 3ft 0in

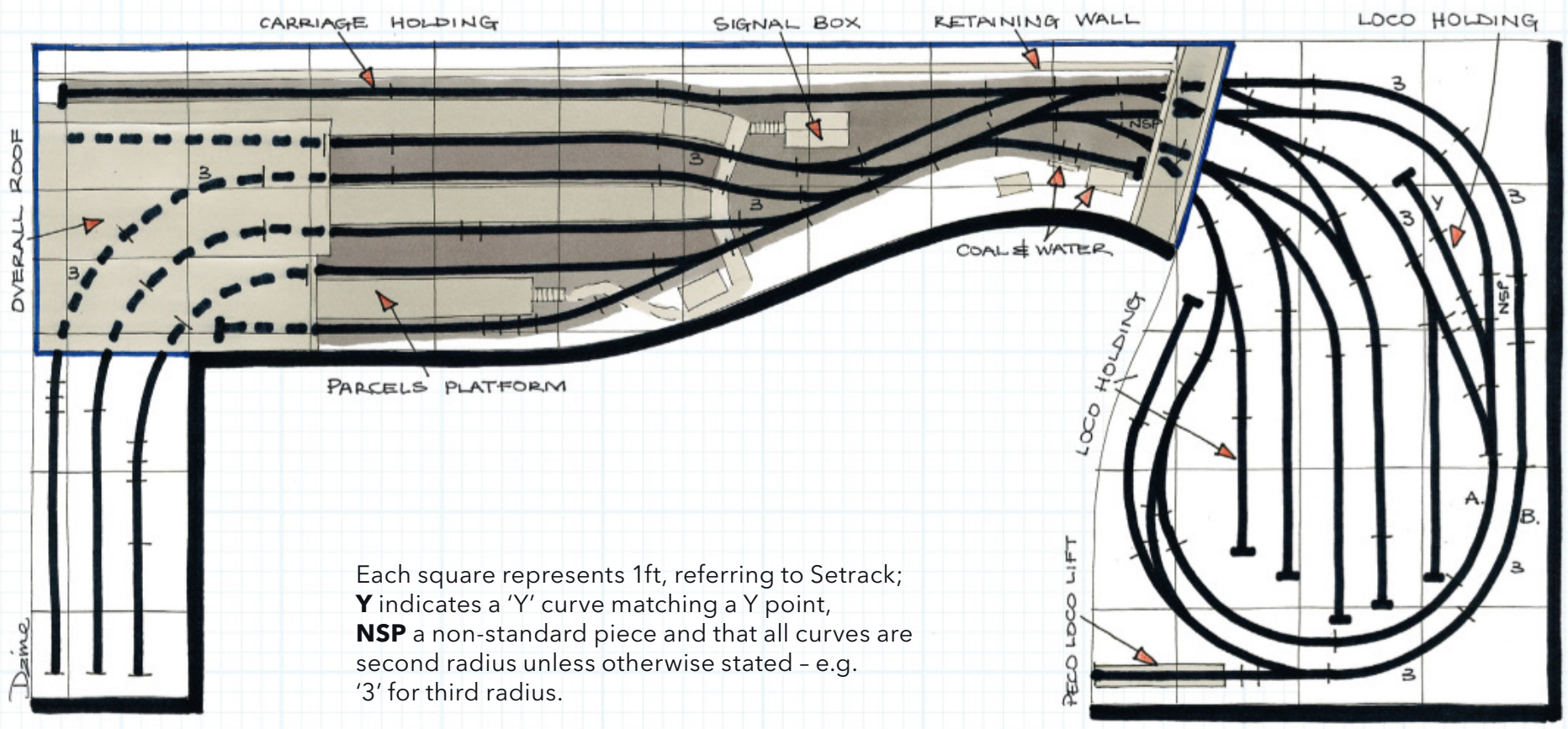


Plan No. SP36: 8ft 0in × 1ft 3in: Minimum radius 3ft 0in

8: Minories

In the second and third images above and left, I've shown Freezer's design and I can clearly see an amalgam of influence, from others of his time, and Freezer's own development. Into this mix I've added my own Setrack variant below and while Majories in size, it has the added benefit of non-scenic curves, left, facilitating up to six or seven-coach trains and storage for shorter trains (such as two-car DMUs or a tank engine and two coaches) within the reverse loop, right. Note that there are two operationally clockwise tracks, A and B, capable of holding the longest anticipated train.

While the Metropolitan Railway's low-level platforms at Liverpool St station have been described as Freezer's prototypical inspiration, it's interesting the road under Fenchurch Street station is called 'Minories'!



Each square represents 1ft, referring to Setrack;
Y indicates a 'Y' curve matching a Y point,
NSP a non-standard piece and that all curves are second radius unless otherwise stated – e.g. '3' for third radius.

John Ahern, 1903-1961

Ahern was happy to be flexible and not strictly accurate about scale, though he famously said, "I do not think there is any doubt that a fine model is a work of art". Scenery, as we know it nowadays, had often been overlooked before his 'Madder Valley' layout, preserved at Pendon Museum, which had balance between railway infrastructure and overall scenic treatment.

It's a must-see for all model railway enthusiasts. At the cutting edge of his time, when baseboards were rectangular in shape and tracks ran parallel to the long front edge, Ahern effectively managed more pleasing organic shapes, not only for the railway, but road and river too, twisting and turning along their intertwining routes. There's a sense of distance and balance between key parts and contrast with hard and soft surfaces. In a space of 17ft by 10ft he's managed to squeeze in such varied scenic detail and operational activity.

● Each square represents 1ft.

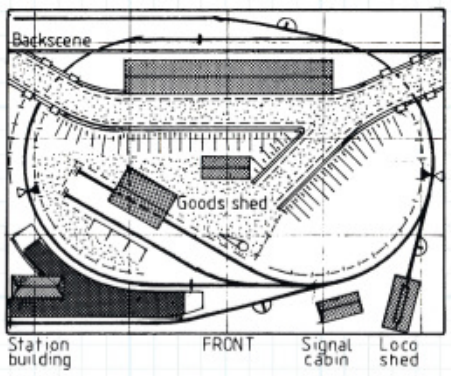
INFLUENCERS

C.J. Freezer, 1924-2009

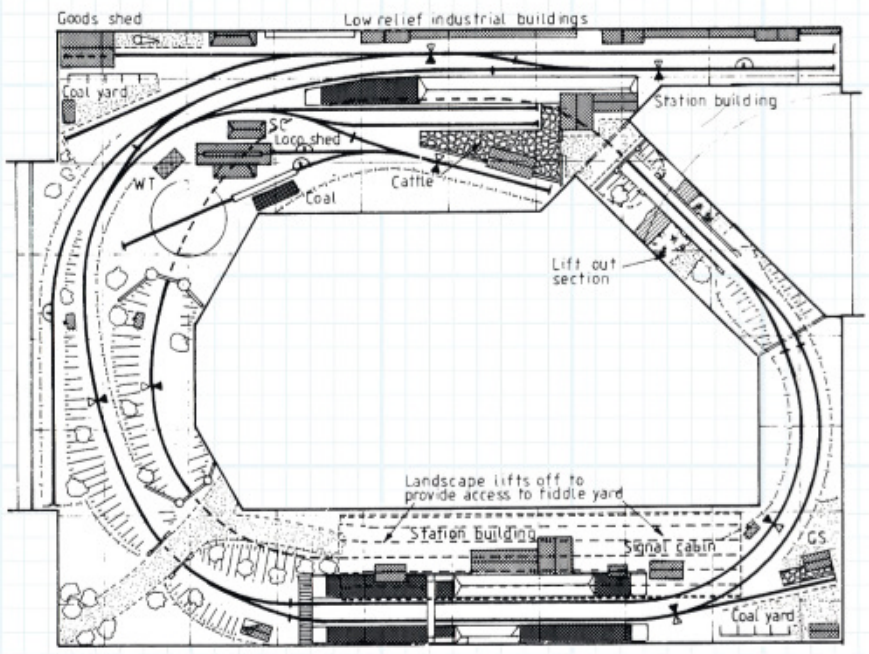
Cyril J. Freezer was of my time, certainly my teenage years, and while we never met, I always felt like I knew him. He the planning professor and me the student, waiting for my monthly lesson. I learned much about planning and design, especially relating to trackwork, through his efforts and he has always been a part of everything I do, even now.

I think it's fair to say that his designs were largely track-intensive, restricting scenic modelling to an area constrained by the railway boundary, especially focusing on buildings that, "might create extra rail traffic."

He was an advocate of full-size templates and that layouts should have a primary viewing side. He was also a responsible designer, suggesting attainable layouts in terms of time, skill, knowledge, available equipment and household size, especially the limitations of modern houses, though he was always pushing for a little more space!



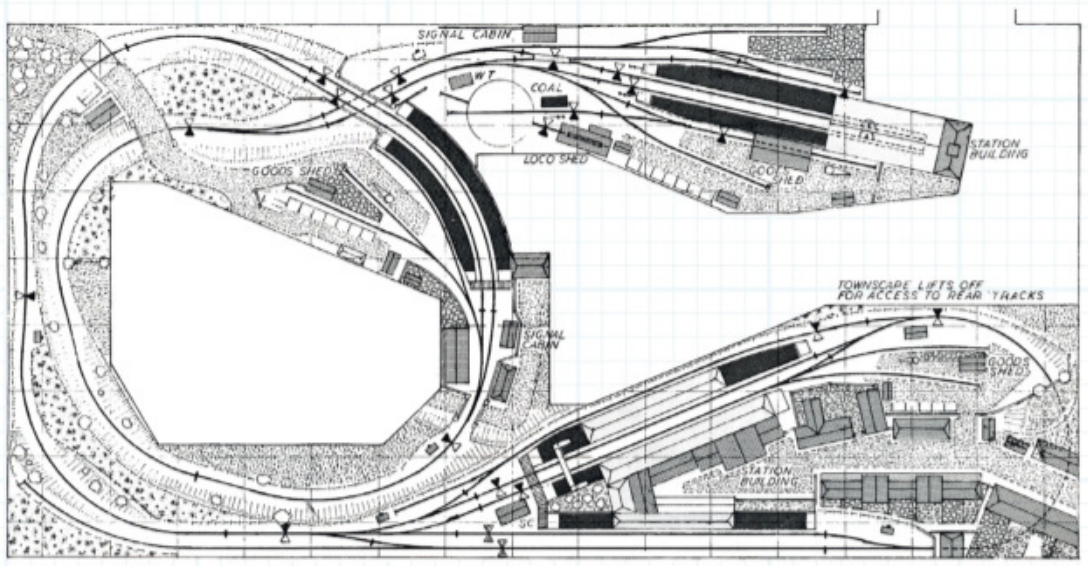
This first example, from Freezer's small plans booklet, has everything you need to get started. If I were to make any minor modifications, I'd move the point serving the bay platform slightly, in an anti-clockwise direction, allowing both platform faces to be extended and maybe increasing track length on the goods shed siding, towards the curve. Otherwise, there's great diagonal balance between station and bridge, top right and a logical common sense to how the road and ramp serve the scene's components.



Much more of a line rather than a location feel about this one, with the suggestion of travelling a route rather than fiddleyard scenic section-fiddleyard arrangement. Again, platform length needs to be increased at both stations and if the bottom station was pulled nearer to the operating well it could be on a more graceful, organic curve.

Plan No. SP53: 9ft 0in × 7ft 0in: Minimum radius 2ft 0in

Above: **C J Freezer, Railway Modeller editor from 1951 to 1978, designed hundreds of layouts during his publishing career, all of which still provide inspiration for countless enthusiasts worldwide.**



Plan No. TP23: Size — 16ft 0in × 8ft 0in.

I love the benefit of being able sit in one place and send trains through the landscape, in an out-and-back format, a particular favourite of Freezer. In this garage design I'd put a window and access door in the front, where a garage door or doors once existed. This would allow me to swing the terminus up against the wall and extend it at the same time. I'd lengthen the other two stations and, bottom left, create a semi-rural industry (dairy etc) from what is currently a single siding.

Geoff Williams, John Ahern and Jack Nelson

I think Geoff, John and Jack can be considered way ahead of their time in one particular aspect: that of forced perspective.

Above & below: Here's Geoff Williams' 'Aylesbury' layout. The first image shows a signal box at full scale, with a road off into the rear distance. In the second image, you can see how he's gradually reduced the size of the terraced houses as you get nearer to the rear, to force perspective.

Above: In something akin to decoupage, note how the church and houses, both much reduced in scale, are 'flats' against the backscene. A masterclass in 2D and 3D grouping, volume and forced perspective... perfect!

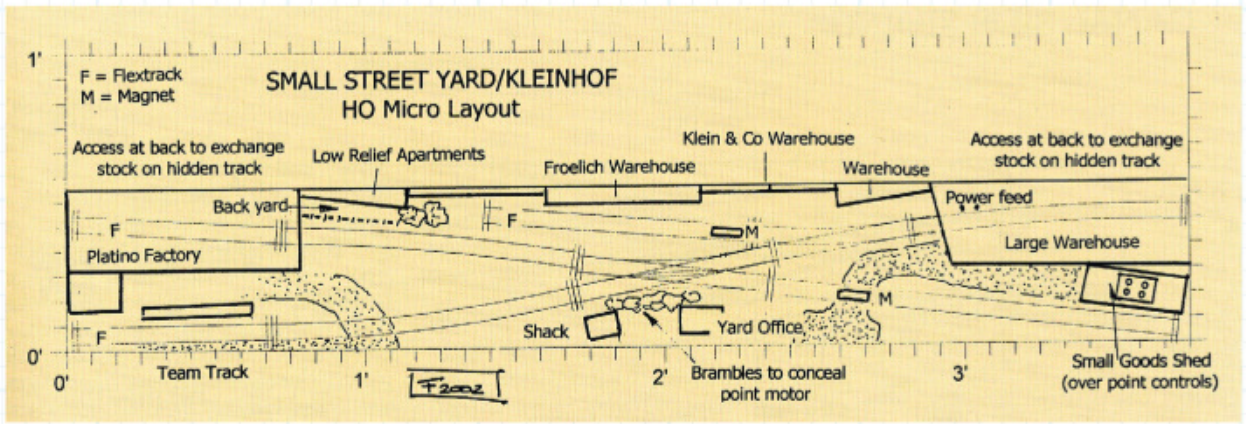
Below: It's taken some time to track down an example of Jack Nelson's work, but here's one of my favourites. In this controlled view, through an archway, it's almost impossible to tell any use of forced perspective.

Chris Ellis 1938 to date

Many modellers have second and sometimes multiple interests. I've always said if I had a large room there would be numerous small layouts rather than one large one. "Few of us are totally wedded to one railway to the exclusion of all others and it is frequently impossible to reconcile all our favourites." So said David Jenkinson.

The only person I know who's ever come close to resolving this issue is Chris Ellis, with his multi-model, neutral settings, enabling the layout to represent more than one country and/or period.

The accompanying minimum space plan, at 4ft by 6½ft, is brilliant in so many ways. It can be used as a North American or German layout and requires a solitary double slip and one point in an off-centre arrangement, but it's the short rear siding, and types and location of structures, in a range of differing sizes, that makes it what it is.



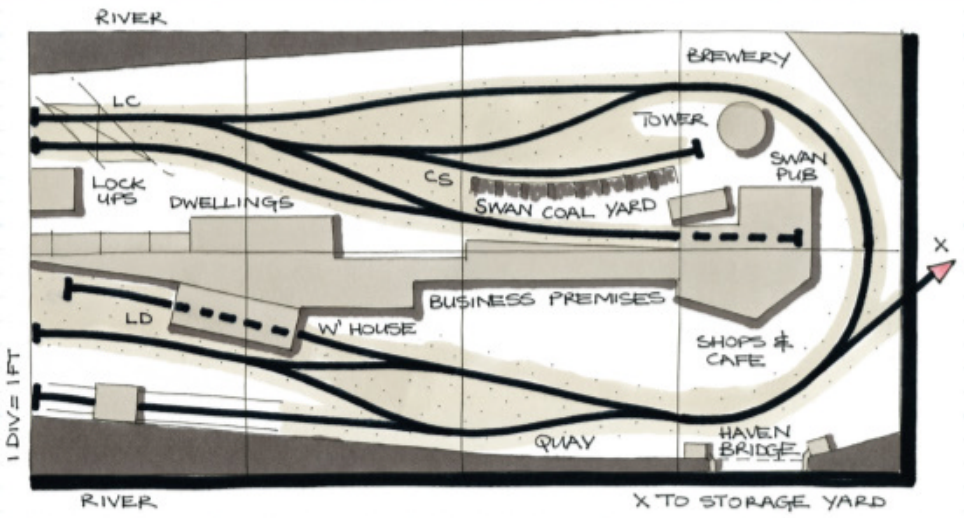
Chris is a compact layout advocate, building on tight budgets. A protagonist of 'keep it simple and attainable, you don't have to be an expert, just be aware of your skills'.

Chris has brought so many facets to the modelling railway world – cost-effective stock and building makeovers, varied track plans, insight into railway operation. He is an outstanding and dedicated individual, always pushing boundaries. I learned more from him than anyone in our hobby.

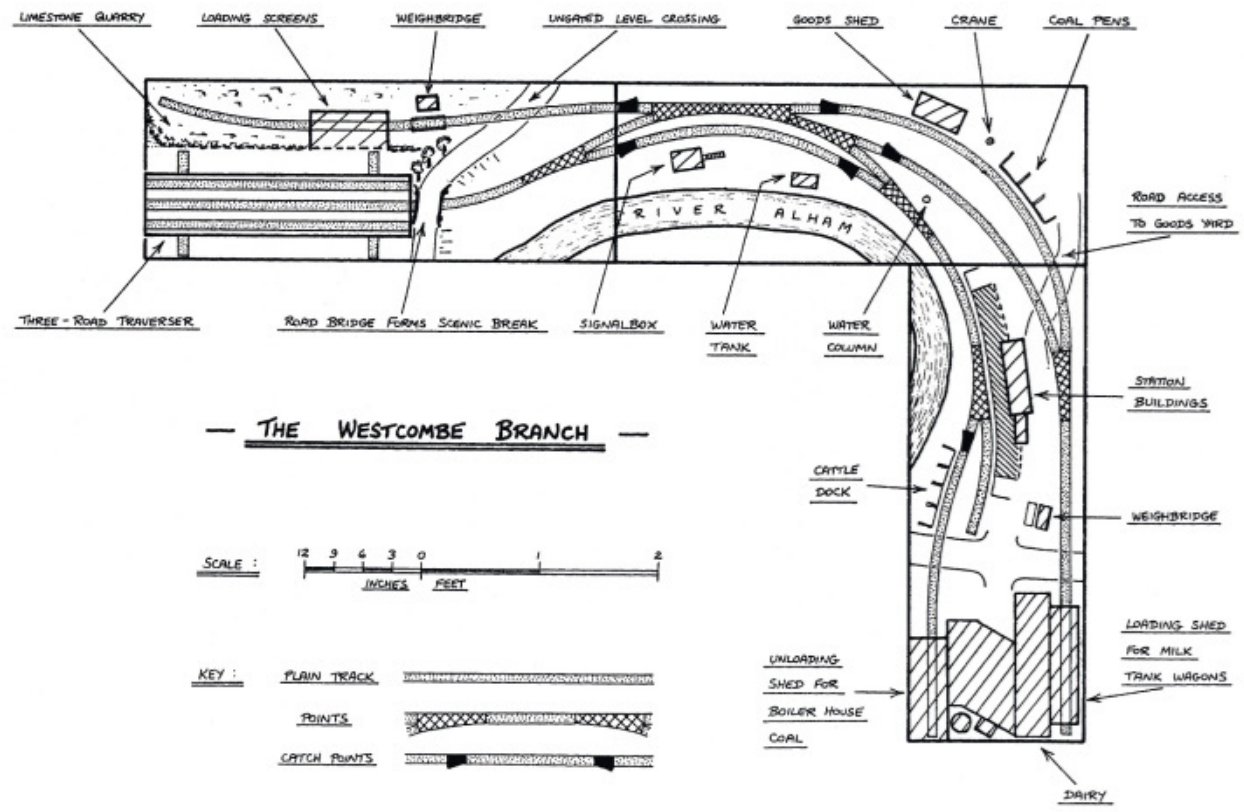
Paul Lunn 1951 to date

I'm not going to discuss the quality or content of my work – that's for others to do. What I will do is share why I do what I do. There's no greater enjoyment in model railway design than solving problems and in wanting to contribute to the success of the hobby by helping others to succeed. "The more successful a plan, the more enjoyment… the more enjoyment, the greater likelihood of continuing with the hobby." It's really that simple.

It's how we all started, being influenced by someone else. In my case, it was Andrew Knight's 4ft by 2ft 'Yarmouth Quay', a double-sided layout, with all-round viewing and special custom minimum radius curves. To this day, it remains the best track plan and layout design I've ever seen.



● Each square represents 1ft.



Peter Kazmierczak 1954 to date

Peter Kazmierczak is one of a handful of modellers who had an impact on my fledgling years, especially his accessible writing. Prolific in the 1980s, his thorough and complete approach to layout planning and design and attention to detail appears in 'The Westcombe Branch', a three-part *Railway Modeller* article (June/July/August 1987).

He talked of restrictions in space, time and funds but, more importantly, of having the physical and mental fortitude to complete a project. "We aim for the clouds but, often, never get off the ground!"

Finding an inspirational prototype is key, and he 'imagineers' a fictitious Somerset and Dorset branch off the real railway near Evercreech Junction. His imagined line has real purpose, featuring coastal resorts on the Bristol Channel, the coalfields of Radstock, the Mendip Hills for dairy products, Cranmore's stone and the River Alham are all places he considered, choosing three and slipping over the county boundary, into Devon, for Hemyock's station track plan. Capturing my imagination the most, where relevant and do-able, he talked of gradients however small, for the real railway is seldom flat and it's something we modellers rarely, ever represent!

Paul Marshall-Potter

Some design large, whereas others keep things contained. There are arguments for and against both approaches. You might think that 'small' means 'easy', but to get a great result, striking a balance with space and to find a track plan sufficiently interesting not to send you insane, will take a very special skill.

Paul Marshall-Potter is one such modeller, influenced by Rice, Norman and Iain Futers. From the school of prototype fidelity, which he sees as being infinitely easier than anything fictional, he prioritises realistic appearance and believability, high-level viewing and effectively lit scenic containment.

Paul's 'Shelfie 1' (MR214), was originally designed on an overly narrow baseboard (above), representing a central London location. For him, this became implausible and it's at this point I came in to help, tweaking the track plan and the finished layout (below) proved successful.

FUTURE

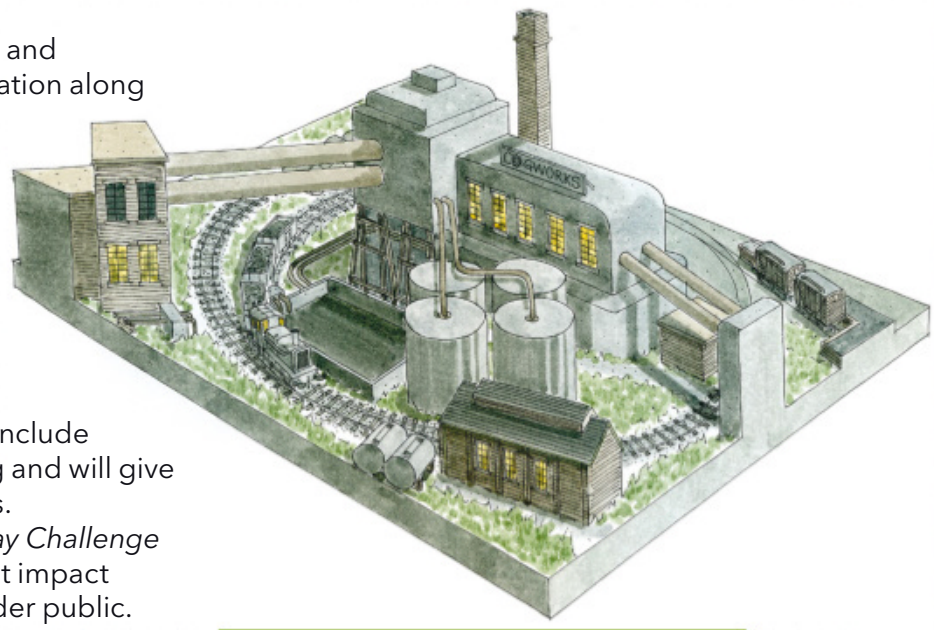
Crystal ball gazing is always a tricky task, though several of the well-known individuals here were, in their own time, well ahead of the game. You might argue it's hard to see where we might go next, and that quality and accuracy of the best layouts have gone about as far as they can. I think with rejuvenation of the national rail network there's chance for a revival of rail-borne freight, as I suggested in my book *Making Tracks*, with new regional railheads and localised delivery in electric road vehicles. Certainly, this would open up a whole range of opportunities for a hitherto unknown 'modern practice'.

In past times we have planned and designed layouts featuring operation along comprehensive routes. Yet in more recent times we've become almost obsessed with one location, certainly a predominant effect of the micro layout and those striving for prototype fidelity. And yet I think we might be missing out on the enjoyment of old ways. I've already started to include more routes in my track planning and will give it more thought in future designs.

The recent *Great Model Railway Challenge* on national television shows what impact fictional subjects have on the wider public. As a result, I suspect there may be a growth in fictional layouts. My accompanying illustration, from Peco's N gauge Setrack Planbook, is of a minimum space Steam Punk layout.

In a primarily nostalgic hobby, it wouldn't surprise me if there's further growth in collectibles, Rapido Trains UK is making model railway 'film stars' out of *The Titfield Thunderbolt*. Certainly, my previous designs in *Model Rail* for *Brief Encounter*, *Young Winston*, *Oh, Mr Porter!* and *North West Frontier* have caused much interest. It's not just in films either, on the second-hand market there's increased demand, with items like Tri-ang's 'EM2', container wagon, '3MT' 2-6-2T and Ivatt '4MT' flying off the shelves when the price is right. There'll undoubtedly be a demand for relevant layout schemes and I'll be looking at these too.

Whatever we prioritise, in a niche and vulnerable hobby, it's important we all stand together, with a plan for strength and longevity and I am pleased to see that Peco has engaged a marketing manager with just that in mind. How we share knowledge and skill, resulting in increased enjoyment, and that what we do is accessible to all, is key to where we go from here.



THANK YOU

It's been an absolute joy researching this article, so diverse in content, and it could not have been achieved without significant help from Ben Arnold (managing director, Peco Publications and Publicity Ltd), Mick Moignard (secretary to the trustees, Pendon Museum), Edward Talbot (LNWR Society), Colin Cartwright (Conwy Valley Railway Museum), Peter Kazmierczak, Chris Ellis and Paul Marshall-Potter.

HELJAN

CULT CLASSICS!

High-quality 'OO' & 'O' models of classic BR locomotives

'O' CLASS 37/4

SRP **£599.00**
Weathered versions SRP: £619.00

COMING SOON

3741	BR Large Logo Blue Unnumbered
3745	Trainload Freight 3T grey Unbranded/Unnumbered
3748	Colas Railfreight 37421
3753	Railfreight Petroleum 37418 Pectinidae
3754	BR Large Logo 37426 Y Lein Fach Vale of Rheidol
3755	BR Large Logo 37404 Ben Cruachan
3756	Railfreight Construction 37425 Sir Robert McAlpine/Concrete Bob *LIGHTLY WEATHERED*
3757	Railfreight Distribution 37413 Loch Eil Outward Bound

'O' BR CLASS 50

AVAILABLE NOW

4021	BR Large Logo Blue Class 50 (grey roof)
4029	BR Large Logo Blue Class 50 (black roof)
4030	BR Large Logo Blue 50036 Victorious - *WEATHERED*
4034	HANSON & HALL grey 50008 Thunderer
4037	BR Large Logo Blue 50046 Ajax (black roof)
4038	NSE light blue 50032 Courageous - *WEATHERED*
4039	Revised Network SouthEast (dark blue) 50033 Glorious

SRP **£699.00**
Weathered versions SRP: £719.00

'OO' CLASS 86/4

AVAILABLE NOW

8640	InterCity Executive 86404
8641	Railfreight Distribution grey 86634 *University of London.*
8642	Res red/grey 86416
8643	BR retro blue SYP 86426/E3195
8644	Railfreight Distribution European grey 86622
8645	Caledonian Sleeper blue 86401 Mons Meg
8646	Freightliner green/yellow 86609

SRP **£219.95**

'O' BR CLASS 56

5600	BR Blue Class 56 (unnumbered)
5601	BR Large Logo Blue Class 56 (unnumbered)
5602	Railfreight Large Logo grey Class 56 (unnumbered)
5603	Railfreight Red Stripe grey Class 56 (unnumbered)
5604	Trainload Freight Sector grey Class 56 (unbranded)
5605	Railfreight Coal Sector grey 56101 Mutual Improvement - *WEATHERED*
5606	Railfreight Construction Sector grey 56110 Croft
5607	Loadhaul black/orange Class 56 (unnumbered)
5608	BR Large Logo Blue 56099
5609	BR Blue 56071

AVAILABLE NOW

SRP **£699.00**
Weathered versions SRP: £729.00

Subject to misprints and price changes. Please note that colours shown are for illustration purposes only.

VISIT OUR NEW WEBSITE! For the latest HELJAN news, information and images visit **www.heljan.co.uk** and sign up to our UK newsletter. *Or follow us at facebook.com/heljanas!*

www. heljan.dk UK contact - heljanuk@gaugemaster.co.uk **VISIT US AT FACEBOOK.COM/HELJANAS**

HELJAN

94

Reviews

In-depth and unbiased reviews of the latest products

102

98

94 **Heljan Class 56**

98 **Kato/Peco FR 'Small England'**

102 **Accurascale HYA/IIA hopper wagons**

104 **Accurascale cut-down HYA hopper wagons**

105 **Bachmann 'Vanwide'**

104

105

Our reviewers

George Dent
Model Rail's modern image expert.

Chris Leigh
Wrote his first review in 1964 and hasn't stopped since!

How we test

At *Model Rail*, we pride ourselves on the quality, thoroughness and unbiased nature of our reviews. We assess models on their looks, performance, features and value for money. We also run them on our own test tracks, which feature various gradients and numerous challenging track configurations.

Heljan Class 56

◆ **GAUGE** 'O' ◆ **MODEL** 5601 BR Class 56 diesel electric Co-Co, 'Large logo' blue ◆ **PRICE** £699.00 ◆ **AVAILABILITY** Heljan stockists **Web** *www.heljan.co.uk*

'Grid' fans have been waiting a few years for the 'O' gauge Heljan Class 56 to arrive, as it's been simmering away in development since 2018. Representing an important prototype from the latter days of British Rail, this latest model has, at the time of writing, just shipped to Heljan retailers.

Production of the real Class 56s was a drawn-out affair, with production spread across Romania, Crewe and Doncaster Works, with various detail and profile differences emerging across each batch. These variations have provided manufacturers with numerous challenges over the years, with the Mainline 'OO' version from the late 1970s offering just a single bodyshell tooling. Hornby's more recent version offers more options, while Cavalex's forthcoming 'OO' gauge model promises to cover all bases.

So many tooling options would be a significant financial risk for an 'O' gauge model, however, so Heljan has sensibly opted to base its model on the later Doncaster and Crewe-built '56s', namely 56070-135. Eight livery options are on offer in this first batch, covering the key BR schemes of Rail blue, 'large logo' blue, original and 'red stripe' Railfreight and a trio of Railfreight sub-sector versions, plus the popular Loadhaul black/orange of the shadow privatisation era.

Our test sample, kindly supplied by Heljan, sports the striking 'Large Logo' version of BR Rail blue, as carried by 56036/47-49/84-134. It certainly looks like a real '56', although this class has proved difficult to 'nail' definitively in all scales so far. To my eyes, Heljan's model

captures the character of the prototype well and the paint finish is flawless.

As is the norm with most of Heljan's 7mm scale diesels, no numbers are applied, but all other legends are present, including data panels, which are fully legible. The quality of the body moulding is excellent, with the various louvres and panels nicely rendered. The side radiator grilles are etched metal and allow the distinctive body framework to be seen, while the roof grilles also feature a fine mesh, beneath which a pair of radiator fans are powered by a separate motor.

The exhaust ports are hollow, providing realistic depth, and the twin circular 'top hat' vents either side of the engine roof panel are nicely done, with small wire handrails installed. The cab fronts are bedecked with lovely moulded multiple working sockets and jumper cables, headlamps, lamp brackets and wire handrails. The large square air horn cover is a separate moulding, suggesting perhaps that Heljan might offer the smaller mesh panels of earlier '56s' in future.

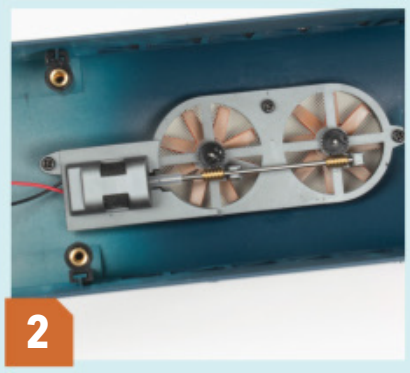
A nice touch is the provision of both round and flat section cab door handrails for customer fitting (I chose the latter) and these are simple to glue into position, although I found it helpful to ream out the mounting holes slightly for an easier fit. Also supplied in the small detail bag is a pair of unpainted fire extinguishers for the cab interiors, small square mesh panels for those '56s' equipped with air conditioning, plus a set of the grid-style coupling guards to fit beneath the bufferbeams. Directional LED lighting is installed, along with switchable cab interior lights.

Most of the model's weight comes from a hefty die-cast chassis and, after unscrewing the bodyshell, there are few surprises for anyone familiar with Heljan's previous 'O' gauge ➤

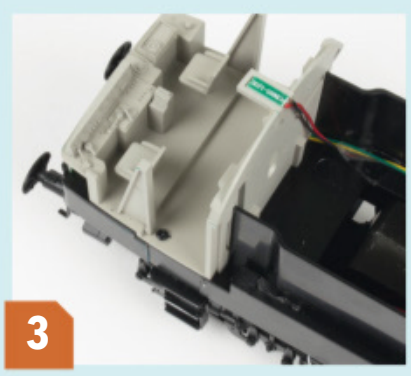
"A nice touch is the provision of both round and flat section cab door handrails for customer fitting"

3 things we like

1 The characteristic bogie frames, with complex brake gear, really looks the part.



2 A separate electric motor drives a pair of radiator roof fans.



3 Cab interiors feature plenty of detail on the control consoles and bulkheads.

Heljan Class 56 – in detail

Factfile: BR Class 56

The UK's upsurge in coal-fired power generation in the 1970s, owing to a hike in oil prices, led British Rail to urgently pursue a dedicated fleet of new diesel locomotives. Class 47s had become the staple traction for heavier Merry-Go-Round (MGR) coal services, linking collieries and power stations, with pairs of Class 20s also putting in sterling efforts. However, a more powerful and resilient design was needed, which led to the Class 56 Co-Co, developed in conjunction with Brush.

Owing to lack of capacity at UK works, production of the first 30 locomotives was sub-contracted to Electroputere in Romania. Numerous issues arose with these early locomotives upon delivery, delaying their introduction until 1977. The remainder of the 136-strong fleet was subsequently built at BR's Doncaster and Crewe Works, with the final example entering service in 1984.

Designed with the haulage of heavy coal, aggregate and steel trains firmly in mind, the '56s' sphere of operation soon spread across much of England and South Wales, plus southern areas of Scotland. As well as MGR coal trains, Class 56s also became synonymous with the 3,300 ton iron ore services from Port Talbot to Llanwern (operated by pairs of '56s') and, prior to the introduction of the GM Class 59s, the '56s' hauled stone traffic from the Mendip quarries.

Post-privatisation, reliability issues and the arrival of the Class 66 led EWS to withdraw the entire Class 56 fleet in 2003. Various examples have since been preserved or reactivated for use by main line operators, in the UK and abroad, including Fastline and Colas, while GB Railfreight is in the process of re-engineering a small fleet of '56s' to become Class 69, with the first examples entering traffic last year.

1: A pair of 'large logo' blue Class 56s pause at Worksop in July 1983, with 56111 on the left. COLOUR RAIL

2: Doncaster-built 56076 *Blyth Power* wears a rather grubby coat of original BR Rail blue in August 1983. Only a relatively small number of '56s' were named in BR days. COLOUR RAIL

3: After 'Large Logo' blue gave way to grey, a later modification saw the use of slightly smaller BR logo and a red band along the lower bodysides. 56076 sports the 'red stripe' scheme at Chesterfield, May 1991. COLOUR RAIL

output. Two substantial motors are mounted vertically, one per bogie, each topped with a sizable brass flywheel. Power is transmitted to the outer axles of each bogie, via nylon gears and a large central PCB is equipped with screw terminals to ease DCC installation. Space and mounting points are provided for an ESU smoke unit and a 66mm by 29mm speaker.

The cab interiors feature a wealth of detail, including control and brake handles, telephone console and hotplate. Alas, the parts are not painted individually, so this would provide an enjoyable mini project, prior to adding a suitable footplate crew.

The bogie frames are impressive, replicating the complex brake gear and suspension detail very well. There's a nice amount of depth, thanks to the brake shoes being fitted in line with the wheels. The fuel tank, battery box and compressor also look great, with separate plumbing, conduit and sand pipes adding further finesse.

On the rails, the model performed faultlessly under test on my modest 'O' gauge setup. A few Heljan '56s' were seen at work on 'Heaton Lodge Junction' recently (see page 6), hauling scale-length trains of MGR hoppers, looking very much at home amid the northern Pennine setting. I'm sure we'll be seeing of plenty of these on other 'O' gauge layouts soon, as they're bound to prove very popular. It has certainly been worth the wait! ***(GD)***

System builder

Other items to complement this model…

MGR HOPPERS

Dapol's HAA coal hoppers proved very popular first time around, and new batches are due this year.
Price: £50.96
Availability: Dapol stockists
www.dapol.co.uk

HEA HOPPERS

Class 56s could also be seen on non-MGR coal flows, hauling HEA hoppers. These are also due from Dapol this year.
Price: from £46.75
Availability: Dapol stockists
www.dapol.co.uk

IGA CARGOWAGGON FLAT

There aren't many options for steel carrying wagons in RTR 'O', but Heljan's IGA flats are suitable for loading with steel for export.
Price: £189.00
Availability: Heljan stockists
www.heljan.co.uk

SUMMARY

PROS
- High quality finish.
- High level of detail.
- Performance.

CONS
- Not a lot.

FINAL VERDICT

Worth waiting for!

HELJAN CLASS 56

OVERVIEW	
Manufacturer: Heljan	**Chassis:** Metal with plastic parts
Ref. No. 5601	**Weight:** 2.9kg
Unit No. Unnumbered	**Min. curve radius:** 800mm
Scale/gauge: 1:43.5 scale, 'O' gauge	**Wheel back-to-back:** 29mm
Body: Plastic with metal parts	

DIMENSIONS	PROTOTYPE	1:43.5 SCALE	MODEL
Length	63ft 6in	445mm	445mm
Height	12ft 9¾in	92mm	92mm
Width	9ft 2in	64mm	64mm
Wheel diameter	3ft 9in	26mm	25.5mm
Bogie wheelbase	13ft 6in	94.5mm	95mm

ELECTRICS	
Electrical system: 12V DC two-rail	lights, switchable cab interior lights.
Motor type: 2 x 12V five-pole motors	**DCC ready:** Yes, screw terminals on PCB.
Lights: Directional head/marker/tail	

MECHANISM	SERVICING
Drive system: Power to two axles per bogie via gears.	**How to dismantle:** Body unscrews from chassis.
Flywheel(s): Two	**Where to oil:** Gears, bearings and axles, as per instructions.
Traction tyres: No	

Kato/Peco FR 'Small England' 0-4-0STT

◆ **GAUGE** '009' ◆ **MODEL** 51-251A Ffestiniog Railway 'Small England' 0-4-0STT *Princess* ◆ **PRICE** £150.00 ◆ **AVAILABILITY** Peco stockists **Web** *www.hattons.co.uk*

Narrow gauge modelling in 4mm scale has received numerous boosts in recent years, with significant growth in RTR locomotives and rolling stock from several manufacturers. Announced back in 2019, Peco's joint venture with Kato to reproduce the Ffestiniog Railway's 'Small England' 0-4-0STT has reached fruition, with the appearance of *Prince* and *Princess*.

Both sport the handsome lined maroon FR livery and sales have been very brisk. The launch has not been without its problems, however, as many models have been reported as damaged in transit. Indeed, our sample was no different and it appears that the hard foam packaging lacks support for the front of the locomotive. Even a minor impact puts pressure on the cab, leading it to become dislodged. The tiny twin whistles had also been knocked loose but, thankfully, they were found in the box before getting lost. Happily, the parts all clipped back into place, so no great harm was done. Peco is aware of the issue and urges anyone affected to get in touch by emailing *info@peco.co* or calling 01297 300194.

Once the little locomotive is out of the box, its charms become apparent. The prototypes are very handsome in their own right, and Peco and Kato have done a great job in capturing the essence of the real things in miniature. Both models are offered in the Ffestiniog's deep maroon livery, embellished with black and white lining and,

Extra power collection from tender axles

“A brass flywheel and worm gear are installed, which help create an incredibly quiet and smooth-running chassis”

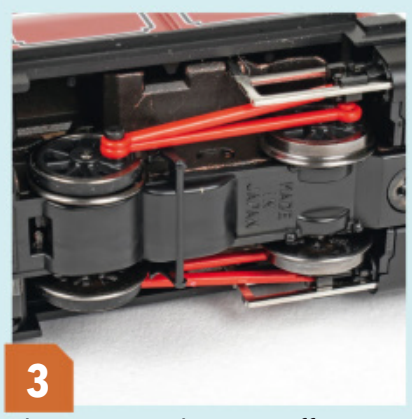
3 things we like

1

The livery application is impressive, with neatly applied lining and crisply printed worksplates.

2

The twin whistles and mounting bracket are nicely rendered, as are the spectacle plates.



3

The Kato mechanism offers very smooth performance.

in a welcome touch, the different patterns of smokebox handrails have been replicated across the two individual models.

The overall level of detail is not as spectacular as some other recent models, but it’s pretty good, nonetheless. The handrails are fine and neatly installed and the brake rods and pipework beneath the cab is nicely done. The tender chassis, resembling a freight wagon’s underframe, is impressive, thanks to the brake shoes, vacuum cylinder and shafts. The spoked wheels on locomotive and tender are of a high standard.

The cab interior features minimal moulded detail on the backhead. While the lack of finesse is visible through the side and rear apertures, once a footplate crew was installed, they’re likely toblock the view. As well as alternative couplings, a set of small plastic grab irons are supplied for customers to fit. These require cutting from a sprue and pushing into pre-formed holes in the locomotive and tender – full instructions are supplied.

The slide bars are a simple flat etch, inside which a plastic crosshead glides back and forth and the coupling rods are pleasingly refined. Power is collected from the leading driving axle and all four tender wheels via the axle bearings, with a conductive clip-on ➤

Kato/Peco FR ‘Small England’ 0-4-0STT – in detail

Factfile: ‘Small England’ 0-4-0STT

A quartet of George England’s classic 0-4-0STTs was built for the Ffestiniog Railway (FR) in 1863 – the world’s first steam locomotives built for a narrow gauge railway. Eventually built with side tanks and a small coal-carrying tender, the locomotives were rebuilt with saddle tanks from the 1880s onwards to increase water capacity.

Built primarily to move Welsh slate, which was in ever-increasing demand, the FR board had been moved to look towards steam traction as a more effective option to the existing horse-drawn and gravity-operated system. The ‘Small Englands’ were also used to haul passenger services, before they ceased in 1939.

While No. 3 *Mountaineer* was broken up for spares in 1879, the other three – Nos. 1 *Princess*, 2 *Prince* and 4 *Palmerston* – have survived into preservation at the FR, with two of them in working order.

1: Together with ‘Large England’ No. 5 ***Welsh Pony***, the FR’s pair of operational ‘Small England’ 0-4-0STTs ***Palmerston*** and ***Prince*** rest at Boston Lodge. CHRIS PARRY/*STEAM RAILWAY*

2: The smokebox handrail on FR No. 2 ***Prince*** differs from that on No. 1 ***Princess*** – a feature observed on the Peco/Kato models. *STEAM RAILWAY*

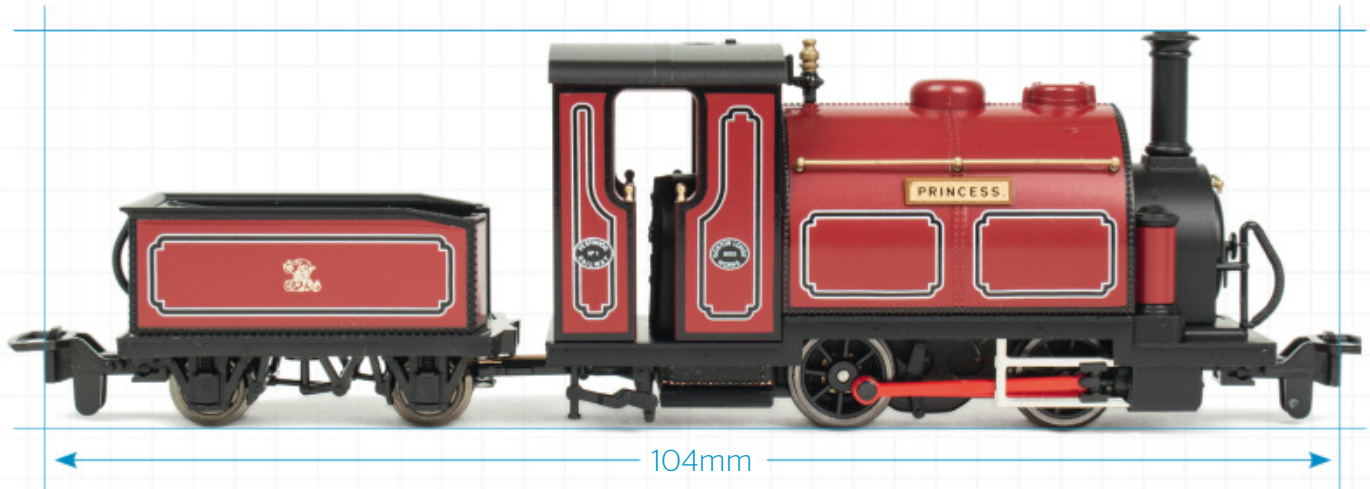
3: FR No. 2 ***Prince*** climbs Gwyndy Bank in October 2021. HARRY PARTINGTON/*STEAM RAILWAY*

coupler linking the tender and locomotive. A set of traction tyres is fitted to the rear driving axle for increased haulage ability. The chassis is a split-block affair, with a coreless motor transmitting power to the rear driving wheels. A brass flywheel and worm gear are installed, which help create an incredibly quiet and smooth-running chassis.

The bulky nature of the saddle tanks allow for a decent amount of cast metal to be accommodated on the chassis, which further helps performance (the tender is also filled with a cast metal weight). Incidentally, the Japanese-made locomotive chassis will also be offered separately (without traction tyres), which will be very useful for kit and scratch-builders. The model is not DCC-ready and squeezing a decoder inside might prove a challenge for the most expert of digital users, although I'm sure some whiz kid will work out a way!

This is a very attractive model and, with Kato's superb mechanism, the overall package is extremely tempting. If you've yet to give narrow gauge modelling a try, now is the perfect time. ***(GD)***

• *With thanks to Hattons for the loan of this sample.*



System builder

Other items to complement this model…

FR 'SMALL BIRMINGHAM' COACHES

Known as 'Bug Boxes', these twin-axle vehicles were built in Birmingham for the FR in the 1860s. Peco offers First and Third class coaches, plus an observation car.

Price: £27.55 each
Availability: Peco stockists
Web: *www.peco-uk.com*

SLATE WAGONS

A triple-pack of typical FR slate wagons is available from Peco, depicting iron frame vehicles.

Price: £32.85 per triple-pack
Availability: Peco stockists
Web: *www.peco-uk.com*

FOOTPLATE CREW

Osborn's Models was quick off the mark to produce a 3D-printed driver and fireman set, designed to suit the 'Small England'.

Price: £5.99 (£9.99 painted)
Availability: Osborn's Models
Web: *www.osbornsmodels.com*

SUMMARY

PROS
- Performance.
- Looks.
- Quality finish.

CONS
- Packaging.
- Minimal cab detail.

FINAL VERDICT

Lovely.

KATO/PECO FR 'SMALL ENGLAND' 0-4-0STT

OVERVIEW
Manufacturer: Kato
Ref. No. 51-251A
Unit No. No. 1
Scale/gauge: 1:76 scale, '009' gauge
Body: Plastic with metal parts
Chassis: Metal with plastic parts
Weight: 59g
Min. curve radius: 117mm
Wheel back-to-back: 7.5mm

DIMENSIONS	PROTOTYPE	1:76 SCALE	MODEL
Length (excl. couplers)	26ft 1in	105mm	104mm
Height	N/A	N/A	33mm
Width	N/A	N/A	23.4mm
Wheel diameter (driving)	2ft 0in	8mm	8mm
Coupled wheelbase	4ft 6in	18mm	18mm

SERVICING
How to dismantle: Body unclips from chassis.
Where to oil: Axle bearings, as per instructions.

ELECTRICS
Electrical system: 12V DC two-rail
Motor type: Coreless
Lights: No
DCC ready: No

MECHANISM
Drive system: Power to rear coupled axle
Flywheel(s): Yes
Traction tyres: Yes, two

Accurascale HYA/IIA hopper wagons

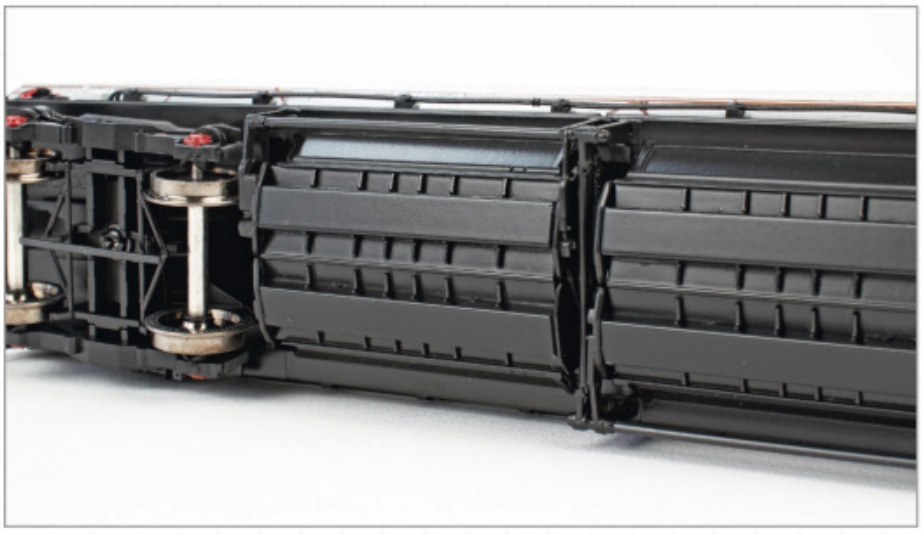
◆ **GAUGE** 'OO' ◆ **MODEL** • Accurascale ACC2602FF3 HYA bogie hopper wagons, Fastline Freight, twin-pack • ACC2623IIA4 IIA Biomass bogie hopper wagons, GBRf/VTG
◆ **PRICE** £74.95 per twin pack ◆ **AVAILABILITY** Accurascale stockists **Web** *www.accurascale.co.uk*

GB Railfreight (GBRf) ordered over 400 high-capacity bogie hoppers between 2007-2011, with assembly carried out across several batches, in Romania and the UK. Designed to transport imported coal to power stations across the country, they were equipped with track-friendly TF25 bogies and helped GBRf break into a traffic that had hitherto been dominated by EWS and Freightliner. The short-lived Fastline Freight outfit soon followed suit, ordering its own fleet of identical hoppers in 2008.

Featuring triple discharge chutes, sloped ends and a distinctive bare metal finish to the sides, showing off an unusual pattern of weld seams, the wagons were soon to be seen in the hands of Class 66s and, occasionally, Class 60s. All wagons were owned by leasing companies VTG or GE Leasing and, when the Fastline operation was wound up, the fleet was loaned to Colas, Freightliner and GBRf. Despite this, the Fastline logos have remained on many wagons to this day.

Allotted the HYA TOPS code, they were later reclassified as IIA and, over the past ten years they have switched to hauling aggregates, owing to the massive decline in coal traffic. Since 2020, many of the UK-built IIAs have been converted to biomass hoppers, with the addition of pneumatically controlled hopper

“I was particularly impressed by the daylight visible around the handbrake wheels and operating levers”



covers. These wagons carry imported wood-derived fuel from ports such as Tyne Dock, Liverpool and Bristol, to various power stations including Drax and, until 2015, Ironbridge.

Accurascale has produced both the original open and covered biomass hoppers, offered in a range of twin-packs featuring GBRf and Fastline liveries, each containing individually numbered wagons. At the time of writing, the packs were selling fast, indicating the demand for such key modern freight stock. Received for review is a pair of Fastline Freight open hoppers and a duo of GBRf biomass wagons. They’re certainly striking models, with the bare metal finish replicated nicely thanks to the subtle metallic paintwork. Along with the countless logos and legends, the distinctive weld seams have been tampo printed and the complex patterns match prototype images and, vitally, marry up with the internal partitions and framework.

Indeed, the inside of the hopper has been reproduced in full, although there are a number of circular mould ejector pin marks on the internal surfaces. The outer ends have been captured well, with the corrugated access panels looking effective. I was particularly impressed by the daylight visible around the handbrake wheels and operating lever at opposite ends of each side – both key characteristics of the prototype.

The hopper operating gear is faithfully replicated, and the bogies really look the part, with brake gear in place (and aligned perfectly with the ‘OO’ wheels). The axles run smoothly, with the wagons rolling effortlessly around my test track. Sprung buffers are installed and NEM couplers sit in sprung, pivoting mounts to enable close coupling. The wagons have some heft, each weighing in at 157g (open) and 165g (covered biomass).

The Biomass version not only sports a convincing set of covers, but also the actuating arms and mounting brackets at each end. Other small detail fittings at solebar level are also accurately rendered, along with slightly different weld seam patterns, demonstrating admirable attention to detail.

Build quality is universally high, in terms of design, assembly and finish, combining to produce a range of impressive vehicles.

A small bag of details is supplied, featuring dummy screw-link couplings and air pipes. As the level of sales have proved, these are a very welcome addition to the ‘OO’ market and will look especially good behind a GBRf Class 66/7. ***(GD)***

SUMMARY

PROS
- Impressive level of detail.
- High quality finish.
- Smooth running.
- Important modern prototype.

CONS
- A few moulding marks on hopper interior.

FINAL VERDICT

Superb.

Accurascale cut-down HYA hopper wagons

◆ **GAUGE** 'OO' ◆ **MODEL** Accurascale ACC2645TAR3 cut-down HYA hopper wagons, twin-pack, VTG/GBRf/Tarmac ◆ **PRICE** £74.95 per twin-pack
◆ **AVAILABILITY** Accurascale stockists **Web** *www.accurascale.co.uk*

As mentioned on the preceding pages, GB Railfreight and Fastline Freight's fleets of HYA/IIA bogie hopper wagons were originally designed for bulk coal traffic. However, with the doubling of the UK's carbon tax and the following downturn in coal-fired power generation, that traffic dwindled rapidly. As a result, large fleets of bogie hoppers, some only a few years old, were withdrawn and stored at various locations around the network.

Aggregates traffic continues to provide rail operators with plenty of business, however, and many of the coal hoppers were cascaded to moving stone instead. Stone is much heavier than coal, which meant that the wagons could only be partially filled, thus reducing operating efficiency. Accordingly, a programme of rebuilding has been undertaken, shortening the high-capacity coal hoppers to feature two hopper bays rather than three.

This cut-and-shut approach was rolled out to the HYA/IIA fleet, thanks to wagon leasing firm VTG. Works were undertaken by W.H. Davis at Langwith Junction, with the centre hopper bay removed, thus reducing the overall length of the wagon by approximately 3 metres. After a single prototype was treated and tested in 2016, the work has continued, with a few hundred vehicles now converted.

The modified wagons have been coded as HYA and, for the most part, have retained their original numbers. Operated by GBRf, the wagons can be found on stone traffic from various sources, including Peak Forest, Bardon Hill, Rylstone, Arcow and Grain, usually running in mixed formations with unmodified IIAs and other similar wagon types.

Accurascale's decision to replicate the cut-down version of the HYA in parallel with the original versions has been welcomed by modellers, so much so that all twin-packs had just sold out as we closed for press. Owing to the success of this first production run, it seems likely that Accurascale will produce another run in future. Various livery and number options were produced, encompassing NACCO, Cemex and GBRf/VTG/Tarmac liveries, the latter of which is under review.

Much of the comments in

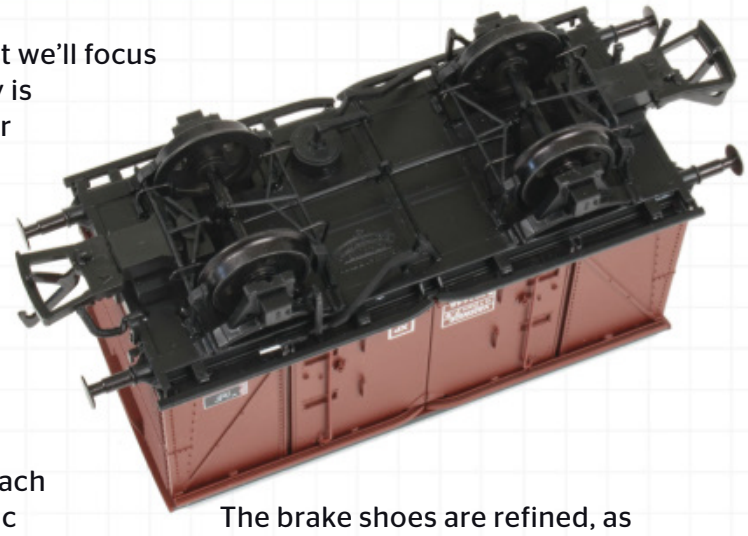
Bachmann 'Vanwide'

◆ **GAUGE** 'OO' ◆ **MODEL** Bachmann Branchline 38-871 BR 12T 'Vanwide', BR bauxite (late); 38-873 BR 12T 'Vanwide' VEV, bauxite, weathered ◆ **PRICE** £39.95 each ◆ **AVAILABILITY** Bachmann stockists **Web** *www.bachmann.co.uk*

Reviewed in the April issue of *Model Rail* (MR298), Bachmann's 12T VEA van portrayed the later air-braked version of this humble BR design. Equipped with generous sliding doors, the wagons were designed to assist with loading and unloading via forklift truck. While the air-braked conversions of the 1970s rode on improved suspension, the original builds, dating from 1962, featured a more traditional underframe arrangement.

Following its post-1970 iteration, Bachmann has now released the 'Vanwide' in original form, complete with vacuum brake gear. Indeed, it's the underframe that we'll focus on here as the body is unchanged, save for the application of appropriate livery colours and markings. We have a pristine bauxite version and a superbly weathered, TOPS-coded version to assess, each sporting era-specific markings. Furthermore, the shabby VEV also sports a set of roller bearing axleboxes, in contrast to the original oil 'boxes of its sister wagon.

The chassis is impressive, with plenty of moulded detail.



The brake shoes are refined, as are the brake handles and shafts. However, as with the air-braked version, much of the brake detail is left to the customer to install, which is a little fiddly and mildly disappointing given the price. Other than that, build quality and finish are exemplary and our samples ran effortlessly under test.

This is a useful prototype to feature on almost any layout set between 1962 and the late 1980s. ***(GD)***

"The printing of the various logos is superb and build quality is faultless"

the previous review apply to these wagons too, in terms of detail, finish and performance, so there's no point repeating them here. This version features a painted hopper body, as per the real thing, and the raised panel seams from the rebuilding work have been accurately – and subtly – captured on the hopper bodysides.

All relevant detail differences have been observed, including the modified operating gear for the twin hopper chutes. Interestingly, there are fewer visible moulding pin marks on the hopper interior of these samples and a similar pack of extra bufferbeam details is provided. The printing of the various logos and operating instructions is superb and, once again, build quality is faultless.

Another great new product for modellers of the contemporary freight scene. ***(GD)***

SUMMARY

PROS
- Impressive level of detail.
- High-quality finish.
- Smooth running.
- Important modern prototype.

CONS
- Nothing.

FINAL VERDICT

Excellent.

SUMMARY

PROS
- Impressive level of detail.
- High-quality finish.
- Detail differences.
- Excellent weathered version.

CONS
- Customer-fit brake details.

FINAL VERDICT

Impressive.

MODEL RAIL *exclusives*

Locomotives you can only buy from us!

‘16XX’ 0-6-0PT

00 GAUGE

ORDER YOURS TODAY!

22 VERSIONS TO CHOOSE FROM

Specification list

OUT NOW

Made by: Rapido Trains

Motor: Five-pole

DCC socket: Next18

Features: NEM coupler pockets, factory-fitted speaker, sprung buffers, firebox glow, ‘Busby’ spark arrestor chimney.

£149.00

£134.10 price for subscribers

BR BLACK, EARLY EMBLEM (PRISTINE)

- MR-301A: No. 1609
- MR-301B: No. 1623
- MR-301C: No. 1624
- MR-301D: No. 1657
- MR-301E: No. 1664
- MR-301F: No. 1658
- MR-301G: No. 1668
- MR-302A: No. 1646

BR BLACK, EARLY EMBLEM (WEATHERED)

- MR-302B: No. 1649
- MR-303: No. 1604

BR BLACK, LATE EMBLEM (PRISTINE)

- MR-304A: No. 1636
- MR-304B: No. 1655

BR BLACK, LATE EMBLEM (WEATHERED)

- MR-305A: No. 1627
- MR-305B: No. 1628

GWR GREEN

- MR-306: GWR green No. 1638

‘BUSBY’ CHIMNEY

- MR-307A: BR black early emblem pristine, No. 1616
- MR-307B: BR black early emblem pristine, No. 1629
- MR-308: BR black early emblem weathered, No. 1661

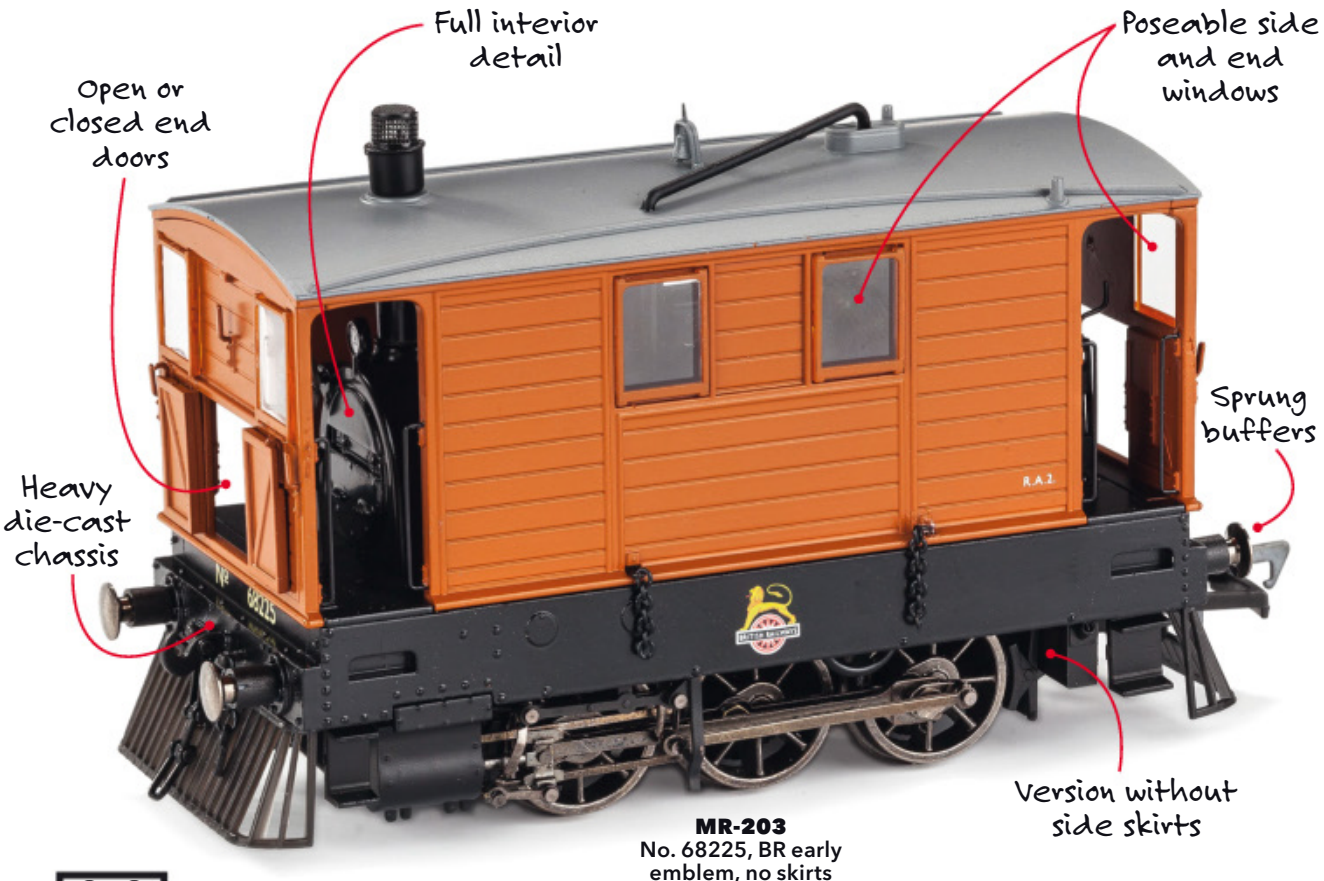
NCB GREEN

- MR-309A: NCB green, No. 1600
- MR-309B: NCB green, No. 1607

PRESERVED GREEN

- MR-310A: Green early BR emblem, No. 1638
- MR-310B: Green ‘Dart Valley’ lettering, No. 1638

Order yours at WWW.MODELRAIL



MR-203
No. 68225, BR early emblem, no skirts

Specification list

Made by: Rapido Trains

Motor: Coreless

DCC socket: Six-pin

Features: NEM coupler pockets, space for sound speaker, sprung buffers, removable cowcatchers, posable windows and end doors, etched worksplates.

£127.50

£114.75 price for subscribers

00 GAUGE

LNER 'J70s'

SIX TO CHOOSE FROM

For immediate delivery!

MR-201 No. 68219, BR early emblem

MR-202 No. 68222, BR early emblem, full skirts

MR-203
No. 68225, BR early emblem, no skirts

MR-204
No. 68226, British Railways lettering, no skirts

MR-205 No. 68223, British Railways lettering, full skirts

MR-206 No. 7128, LNER wartime livery, full skirts

MR-207 No. 8223, LNER post-war livery, full skirts

MR-208 No. 7126, LNER lined livery, no skirts

MR-209 No. 7137, LNER unlined livery, full skirts

MR-210 No. 7139, LNER lined livery

OFFERS.CO.UK OR 01209 705459

18+

WHAT IS AVAXHOME?

AVAXHOME-

the biggest Internet portal, providing you various content: brand new books, trending movies, fresh magazines, hot games, recent software, latest music releases.

Unlimited satisfaction one low price
Cheap constant access to piping hot media
Protect your downloadings from Big brother
Safer, than torrent-trackers

18 years of seamless operation and our users' satisfaction

All languages
Brand new content
One site

AVXLIVE.ICU

AvaxHome - Your End Place

We have everything for all of your needs. Just open https://avxlive.icu

MODEL RAIL *exclusives*

Locomotives you can only buy from us!

ORDER AT WWW.

'USA' 0-6-0Ts

00 GAUGE

MR-104A
'USA' 0-6-0T
No. 30064, in BR lined green

Specification list

Made by: Bachmann/Kader

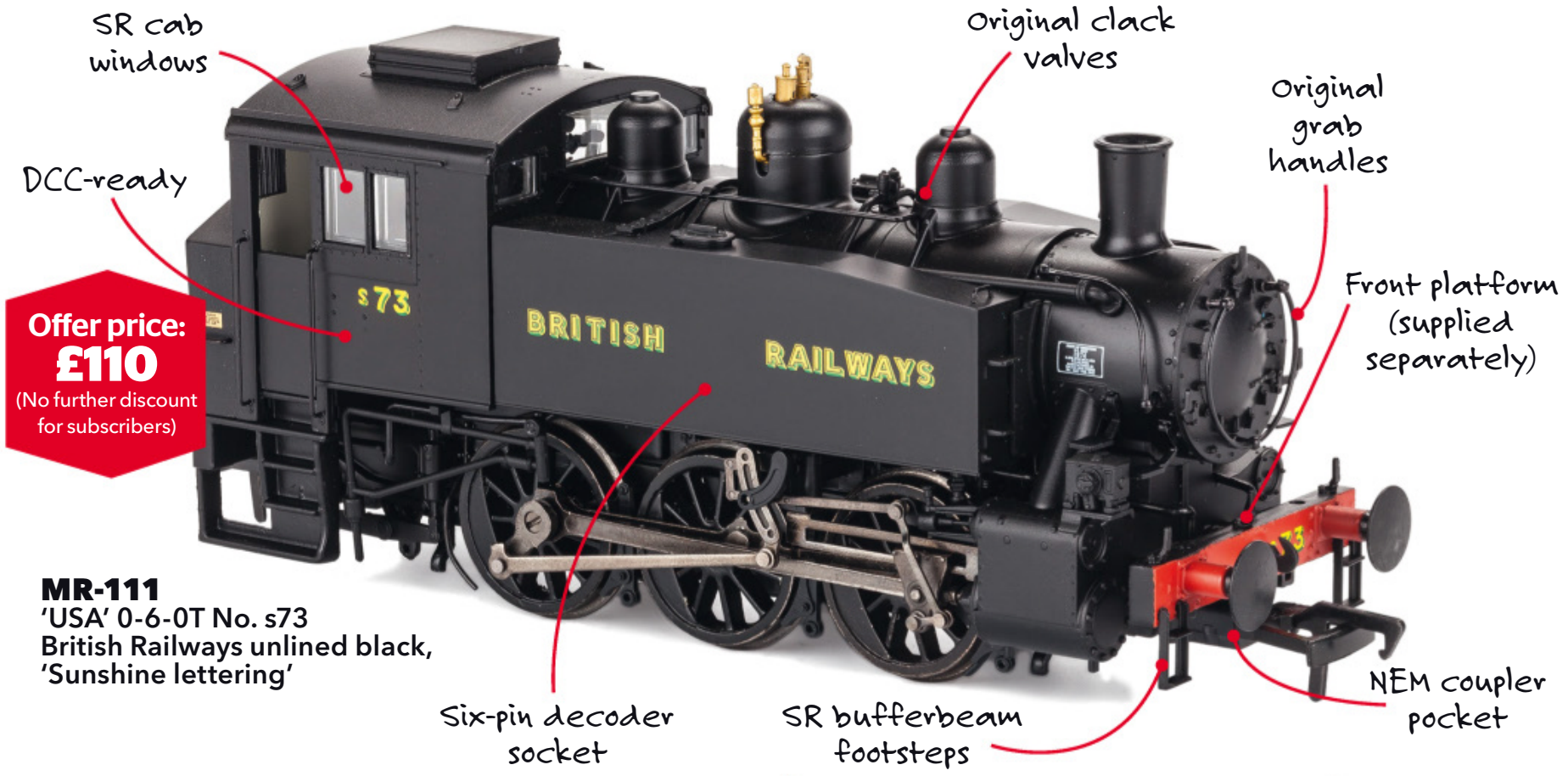
Motor: Three-pole

DCC socket: Six-pin

Features: NEM coupler pockets, two types of cab, different smokeboxes, different footsteps, separately fitted hinged platform.

MR-111
£129.95

£116.95 price for subscribers



MR-111
'USA' 0-6-0T No. s73
British Railways unlined black, 'Sunshine lettering'

We've frozen the original 2017 price on these models

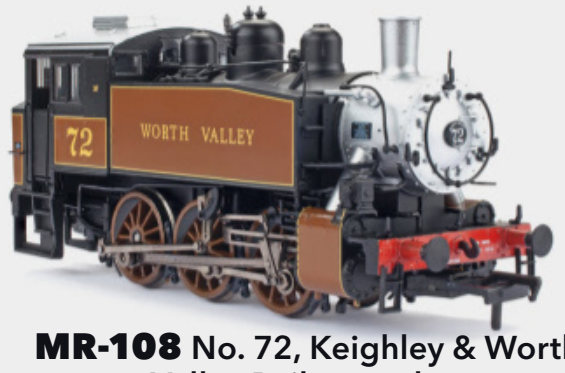
Our 'USA' 0-6-0Ts are beginning to sell out – order yours today!

£124.95

£112.46 price for subscribers

MR-101 No. 1968, USATC black

MR-107 No. 36, National Coal Board black



MR-108 No. 72, Keighley & Worth Valley Railway ochre

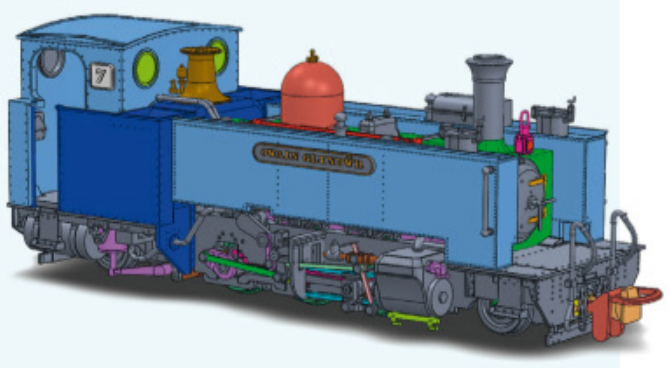
MR-110 No. DS237 *Maunsell*, BR Departmental green

Price: £235.00
£211.50 price for subscribers

00 GAUGE BACHMANN CLASS 66/032-725WDS: 66062, EURO CARGO RAIL LIVERY, SOUND-FITTED

COMING SOON
FROM *MODEL RAIL*

00 GAUGE BR Class 48 Co-Co
Produced by Heljan



009 GAUGE Vale of Rheidol 2-6-2T

00 GAUGE Ruston 'PWM' 0-6-0DE
Produced by Heljan in partnership with Kernow MRC

00 GAUGE BR Class 11 0-6-0DE
Produced by Heljan

● Order book for these new models not yet open.
Keep an eye out in *Model Rail* for updates.

MODEL RAIL EXCLUSIVE PUBLICATIONS

IDEAS FOR LAYOUTS: IN THE DETAIL

In the Detail provides an exciting range of modelling ideas, encompassing scenic, rolling stock, operational and infrastructure subjects.

GREAT BRITISH MODEL RAILWAYS 2021

Celebrate the skill, imagination and craftsmanship of Britain's best railway modellers with this superb 132-page publication.

MODEL RAIL PUBLICATIONS ORDER DETAILS

01733 840111 **www.greatmagazines.co.uk/modelrailbookazines**

Please note that this is for *Model Rail* Extras only – you can't use this number or website to order *Model Rail* Offer models.

Next Issue

ON SALE JUN 1

Scaling the Peaks in 1947

We scale the heights of the Peak District to visit Sam Jones and his post-war Derbyshire layout.

One person's trash…

With recycling becoming more important by the day, we show you how you can turn waste materials into something useful for your layout with the help of Rocket Railways in Coalville.

CHRIS NEVARD

NEVER MISS AN ISSUE!
Turn to page 26 for details of our great subscription offer

ADVERTISERS' INDEX

AC Models 139
Accurascale 15
Alton Model Centre 135
Axminster Tool Centre 47
Bluebell Railway 132
Brimal Components 137
C&L Finescale 138
C&M Models 135
Carnforth Models 141
Coastal DCC 142
Crane Sheds & Summerhouses 137
Dapol 2
Digitrains 125
DMG Technical 57
Durham Trains of Stanley 138
Eileen's Emporium 138
Ellis Clark Trains 128
EMA Model Supplies 133
Finescalebrass 135
Fox Transfers 142
Frizinghall Models & Railways 142
Gaugemaster 129, 148
GFB Designs 136
Golden Valley Hobbies 140
Harburn Hobbies 140
Harder & Steenbeck 13
Hattons 116-119
Heljan 92
Hobby Rail 139
Hobby Trax 130
Howes Models 136
Isinglass Models 140
Keith Alan 85
Kernow Model Rail Centre 120-121
KJB Models 48
KR Models 24
Langley Models 133
Littleworth Models 139
Megapoints Controllers 134
Metcalfe Models 75
Model Railway Solutions 142
Modelrailwayscenery.com 140
Morley Controllers 136
Morris Models 142
PDK Models 141
Perth Model Railway Club 141
Peter's Spares 142
Polly Model Engineering 124
Rails Of Sheffield 111-115
Railtrail Tours 127
Rapido Trains 19
Revolution Trains 131
Ron Lines 133
Scalescenes.com 137
Smart Models 136
Spot On Models 141
Ten Commandments 139
The Airbrush Company 10
The Hereford Model Centre 74
The Hobby Shop 136
TMC 122-123
Tower Models 126
Townstreet 137
Trains4U 135
Warwick & Warwick 147
York Modelmaking 140
YouChoos 138

CLASSIFIED INDEX

Classified advertisers on pages 143-144

AGR Model Railway Store
Branchlines
Church Street Models
Colour Rail
Connoisseur Models
Crafty Hobbies
Dave Angell Trains
East Somerset Models
Golden Arrow Productions
Gravesend Model Centre
Howard Scenic Supplies
Jackson's Models
John Dutfield For Model Railways
Kent Garden Railways
Mark's Trains
Model Scenery Supplies
Monk Bar Model Shop
Nick Tozer Railway Books
Orwell Model Railways
P&D Marsh
Pooley's Puffers
Recreation21
Redcar Models & Hobbies
Roxey Mouldings
Skytrex
The Hobby Goblin
The Sports and Model Shop
The Tutbury Jinny
Tri-Angman
Trident Trains
Upstairs Downstairs

ADVERTISING IN *MODEL RAIL*

If you want to advertise in *Model Rail* call the number below to speak to our advertising team.

Senior Sales Exec Display:
Sarah Charity
01733 366350
email: *sarah.charity@bauermedia.co.uk*

CELEBRATING 50th OUR 50TH YEAR

1970

RAILS OF SHEFFIELD

2020

CELEBRATING 50th OUR 50TH YEAR

railsofsheffield.com

EXCLUSIVE FROM RAILS & DAPOL

OO GAUGE MODEL

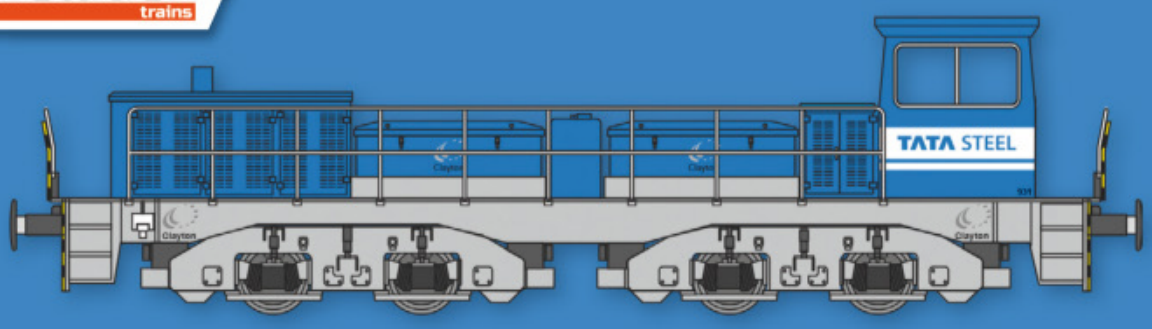
SECR MAUNSELL D1 CLASS

NEW!

6 LIVERIES AVAILABLE DCC READY / DCC SOUND

PRE-ORDER NOW! £30 Deposit / *£199.95 – £324.95* **SEE WEBSITE FOR DETAILS** EXP Q4'22

Revolution trains



REVOLUTION TRAINS ANNOUNCE

CLAYTON CLASS 18

The CLAYTON ENGINEERING CLASS 18 CBD80/CBD90 HYBRID BATTERY DIESEL SHUNTING LOCOMOTIVE in OO Gauge.

EXCLUSIVELY FROM RAILS! EXP Q4'22–Q1'23

LIVERIES AVAILABLE – Beacon Rail – Tata Steel – Sellafield Ltd

5 VERSIONS AVAILABLE

PRE-ORDER NOW! £30 Deposit

£179.95 – 279.95 - see website for details

WE STOCK ALL THE MAJOR BRANDS

plus many, many more...

PRICING POLICY FOR IN STOCK AND AVAILABLE ITEMS: The price advertised on Rails of Sheffield website will be the price charged at the time of the order being processed. This excludes errors in pricing (E & OE) in the event of an error with a price you will be contacted prior to the order being processed and given the option to accept the correct price or cancel the order.

PLEASE NOTE: All items currently in stock are despatched immediately. Forthcoming releases will be despatched immediately upon release. If your order contains both current items and forthcoming releases then these will be despatched separately and subject to separate delivery charges.

SEE OUR WEBSITE FOR FULL LISTINGS

***INCLUDING* SPECIAL OFFERS & GREAT DEALS!!**

www.railsofsheffield.com

OUR SHEFFIELD SHOP IS OPEN:

9am–5pm Mon, Tues, Thurs, Fri & Sat

CLOSED: Wed & Sun

RAILS TV & SOCIAL MEDIA...

Like us on:

YouTube railsofsheffield | railsofsheffield | railsofsheffield | railsofsheffield

ebay store *Search:* **RAILS-OF-SHEFFIELD**

SHIPPING COSTS: ROYAL MAIL 48 HOUR TRACKED £4.00: Royal Mail aim to deliver within 2 days of dispatch including Saturdays (this is not a guaranteed service and parcels can take longer to arrive).

ROYAL MAIL 24 HOUR TRACKED £5.00: Royal Mail aim to deliver within 1 day of dispatch including Saturdays (this is not a guaranteed service and parcels can take longer to arrive).

SPECIAL DELIVERY £8.50: Guaranteed delivery by 1pm the next day Monday to Saturday. With full track and trace system, your parcel is delivered speedily and securely (orders must be placed by 2pm to guarantee same day dispatch).

PARCEL FORCE COURIER SERVICE £7.50: Next day delivery for much of the UK, including Saturdays. Full track and trace system. Used for parcels over 1.8kg without packing or if you would like a speedy secure delivery of your parcel. This excludes the following post codes BT, JE, GY, IM, KW, IV, PA and PO30- 44, KA27-28, PH17-26, PH49-50 and ZE. The cost for these postcodes is £12.00 and will be delivered within two to three working days (orders must be placed by 3pm to guarantee same day dispatch).

WORLDWIDE POSTAGE: For all orders outside the UK, postage will be charged at cost, based on the weight and size of the parcel.

21-29 Chesterfield Road Sheffield South Yorkshire S8 0RL UK Tel: (0114) 255 1436 Fax: (0114) 255 5982

info@railsofsheffield.com | railsofsheffield | railsofsheffield | railssheffield | railsofsheffield

Corporate Partners of RAILWAY MUSEUM

RAILS OF SHEFFIELD

railsofsheffield.com

HORNBY MODEL RAILWAY Awards 2019 2018

RETAILER OF THE YEAR!

WANTED

CASH OR EXCHANGE

WE WANT **ANYTHING** MODEL RAILWAY RELATED, ANY AGE, ANY GAUGE, FROM A SINGLE ITEM TO A LIFETIME COLLECTION. DISTANCE NO OBJECT. PLEASE TELEPHONE, OR EMAIL YOUR LISTS TO SECONDHAND@RAILSOFSHEFFIELD.COM

BUY · SELL · EXCHANGE · ANY GAUGE · ANY AGE

RAILS OF SHEFFIELD VALUE YOUR SECOND HAND COLLECTION VERY HIGHLY

LOCOS - COACHES - WAGONS - TRACK-WORK - CONTROLLERS - ACCESSORIES
DIE-CAST - LORRIES - BUSES - PLANES - SOLDIERS - RAILWAYANA - AND MORE

DECEASED ESTATES - EX SHOP STOCK A SPECIALITY
FAST SERVICE WITH COMPLETE DISCRETION ASSURED

NO COLLECTION IS TOO LARGE

FOR LARGER COLLECTIONS WHERE IT IS IMPOSSIBLE TO LIST ALL ITEMS - WE CAN ARRANGE A PERSONAL VISIT

IMMEDIATE PAYMENT BY BANK TRANSFER OR CASH
OR WHY NOT TRADE YOUR ITEMS IN FOR EXCHANGE FOR AN EVEN BIGGER ALLOWANCE

We URGENTLY require collections of any size, featuring products from the following manufacturers:

HORNBY · Bachmann · Mainline Railways · Graham Farish · dapol · Bassett-Lowke · EGB · Athearn · Revolution trains · Sonic Models · ViTrains · märklin · Fleischmann · Rivarossi · Rapido Trains Inc. · Games Workshop · Lima · Jouef · Tri-ang Railways · Wrenn Railway · Gaugemaster · BRAWA · PECO · CAVALEX Models · accurascale · Liliput · Heljan · Atlas · Kato · Roco · Airfix · Faller · PIKO · ARNOLD · KRModels · Minitrix · Trix · Replica Railways · Hornby Dublo · Dinky Toys · Corgi Toys · Meccano · DCC Concepts · Scalextric · Tri-ang Minic Motorways · JB · DJH Model Loco · WE ALSO BUY RAILWAYANA · SIGNAGE AND TOTEMS · EFE Rail

PLUS MANY MORE...

Telephone our Second Hand team on: (0114) 255 1436 or email: secondhand@railsofsheffield.com - Ref: MR2022

21-29 Chesterfield Road Sheffield South Yorkshire S8 0RL UK Tel: (0114) 255 1436 Fax: (0114) 255 5982

info@railsofsheffield.com railsofsheffield railsofsheffield railssheffield railsofsheffield

Corporate Partners of RAILWAY MUSEUM

RAILS OF SHEFFIELD

railsofsheffield.com

HORNBY MODEL RAILWAY Awards 2019 | HORNBY MODEL RAILWAY Awards 2018

RETAILER OF THE YEAR!

WE VALUE YOUR

PRE-OWNED & SECOND HAND

MODEL COLLECTION

ALL BRANDS

VERY HIGHLY!!

FOR CASH

CONTACT US
get in touch by email, phone or post with your list of items

STEP 01

WE MAKE AN OFFER
our friendly, experienced staff review your list and make an honest valuation and offer

STEP 02

BRING, SEND OR COLLECT
either visit the shop, send us your items, or for larger collections we will arrange collection for you

STEP 03

PAYMENT MADE!
we confirm the offer and make a fast, secure payment via your choice of payment method

STEP 04

TOP GUARANTEED PRICES PAID

FAMILY BUSINESS FRIENDLY SERVICE

FOR MORE DETAILS see our website: railsofsheffield.com/wanted

FULL COLLECTIONS PURCHASED
UK & WORLDWIDE COLLECTION AVAILABLE

BUY · SELL · EXCHANGE · ANY GAUGE · ANY AGE

TELEPHONE OUR SECOND HAND TEAM ON: (0114) 255 1436
OR EMAIL: SECONDHAND@RAILSOFSHEFFIELD.COM

21-29 Chesterfield Road Sheffield South Yorkshire S8 0RL UK Tel: (0114) 255 1436 Fax: (0114) 255 5982

info@railsofsheffield.com railsofsheffield railsofsheffield railssheffield railsofsheffield

Corporate Partners of RAILWAY MUSEUM

RAILS LIMITED

EXCLUSIVES

OO & N GAUGE MODELS

See the website for full details:

Sonic Models

NEW!

DUE
Q2 2022

(GCR CLASS 9N) 4-6-2 TANK

ROBINSON A5

8 VERSIONS AVAILABLE

PRE-ORDER NOW! £149.95
Secure yours for **ONLY £30 DEPOSIT**

CLASS 56

14 LIVERIES AVAILABLE

PRE-ORDER NOW! £189.95
Secure yours for **ONLY £30 DEPOSIT**

DCC FITTED & DCC SOUND VERSIONS ARE AVAILABLE

CAVALEX Models

BR BLACK WITH SILVER TRIM (AS BUILT 1951)

BR GAS TURBINE PROTOTYPE 18100

THE REBUILT VERSIONS ALSO AVAILABLE

PRE-ORDER NOW! £225.00
Secure yours for **ONLY £30 DEPOSIT**

NEW!

HELJAN

EXCLUSIVE TO RAILS

KERR 0-6-0T LOCOMOTIVE

STUART "VICTORY"

5 VERSIONS AVAILABLE

PRE-ORDER NOW! £130.00
Secure yours for **ONLY £30 DEPOSIT**

NEW!

Pi PLANET Industrials

DUE
Q2 2022

NOW IN STOCK!

HELJAN

SOUND UPGRADE AVAILABLE

NORTH EASTERN RAILWAY

ELECTRIC AUTOCAR

3 VERSIONS AVAILABLE

PRE-ORDER NOW! £199.95
Secure yours for **ONLY £30 DEPOSIT**

PRECEDENT

LNWR IMPROVED CLASS 2-4-0

2&3 VERSIONS AVAILABLE

NOW IN STOCK!

SEE WEBSITE FOR DETAILS

BACHMANN BRANCH-LINE

2-6-2 'DURHAM LIGHT INFANTRY'

CLASS V2

21-29 Chesterfield Road Sheffield South Yorkshire S8 0RL UK Tel: (0114) 255 1436 Fax: (0114) 255 5982

info@railsofsheffield.com railsofsheffield railsofsheffield railssheffield railsofsheffield

Corporate Partners of RAILWAY MUSEUM

COLLECTION

railsofsheffield.com/exclusive

OO & N GAUGE MODELS

SEE WEBSITE for more EXCLUSIVES & details!

HORNBY MODEL RAILWAY Awards 2019 2018

RETAILER OF THE YEAR!

NEW! **N GAUGE** Sonic Models

CLASS J50 0-6-0 TANK

8 VERSIONS AVAILABLE

DUE Q2 2022

PRE-ORDER NOW! £109.95
Secure yours for **ONLY £20 DEPOSIT**

© Foulger Railway Photography

N GAUGE dapol NEW!

CLASS 59 206

'JOHN F YEOMAN' G&W FREIGHTLINER LOCOMOTIVE

PRE-ORDER NOW! £159.95 **NO DEPOSIT**

NEW! **N GAUGE** MATHIESON

MATHIESON RCH 7 PLANK WAGON COLLECTION

10 VERSIONS AVAILABLE

DUE Q2 2022

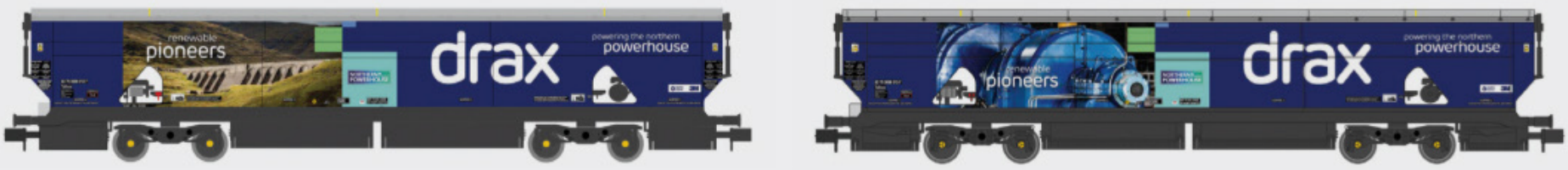
PRE-ORDER NOW! £19.95

DRAX POWER IIA-D BIOMASS HOPPERS

TWIN PACKS - RANGE OF SIX PACKS AVAILABLE

N GAUGE Revolution trains

PRE-ORDER NOW! £79.95



NEW! **N GAUGE** DUE Q2 2022

TRIPLE PACK

CAVALEX Models

PGA WAGON

6 VERSIONS AVAILABLE

PRE-ORDER NOW! £89.95

Please see our website for latest availability and expected arrival dates

CLASS 59 59003 - *EXCLUSIVE*

ORIGINAL GBRF "EUROPORTE" & REVISED GBRF

N GAUGE Revolution trains NEW!

PRE-ORDER NOW! £159.95

21-29 Chesterfield Road Sheffield South Yorkshire S8 0RL UK Tel: (0114) 255 1436 Fax: (0114) 255 5982

info@railsofsheffield.com railsofsheffield railsofsheffield railsofsheffield railsofsheffield

Corporate Partners of RAILWAY MUSEUM

Hattons

• MODEL MONEY •

SELL YOUR P RAILWAY

• Trade in with Hattons for payment within 1 or 2 days of your items arriving with us! •

Use our self-service tools to list your collection quickly and easily online!

We purchase all manner of items:

LOCOS & ROLLING STOCK | **GARDEN RAILWAYS** | **DIECAST VEHICLES** | **UNBUILT PLASTIC KITS**

So why choose Hattons?

WE PAY STRAIGHT AWAY!*

- More than 70 years of experience
- Offering you the best prices in the industry
- Valuations made by experts
- Free quotes with no obligation to trade
- We can arrange delivery – no collection too big or too small
- Fast, secure payment • Store credit available

*Same day payments apply for collections received Monday to Friday before 2pm. Any collections received after 2pm will be paid on the next working day. Please note: In the unlikely event that we revise our offer price for your collection, you will be paid after responding to our offer. For full Terms and Conditions, visit hattons.co.uk/preownedterms

Get cash for your items in just four easy steps...

1

List

Prepare & submit a list of your items online or send spreadsheets, documents or photographs to us via our website.

2

Offer

Our expert staff will review your list and create your bespoke valuation.

3

Send

Once the offer is accepted, send your items to us.

4

Pay

Items are checked, the offer confirmed and payment made via **Bank Transfer, Cheque or PayPal**.

Start your trade in today at:

PRE-OWNED MODEL ITEMS FOR CASH

GET A FREE VALUATION ON YOUR COLLECTION

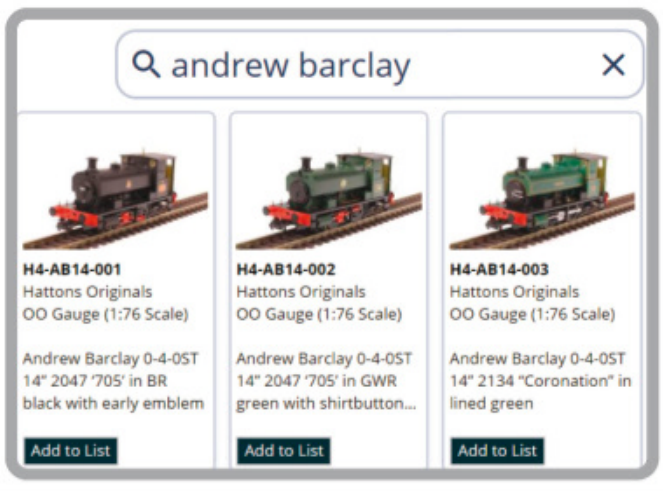
We purchase a wide variety of brands, including...

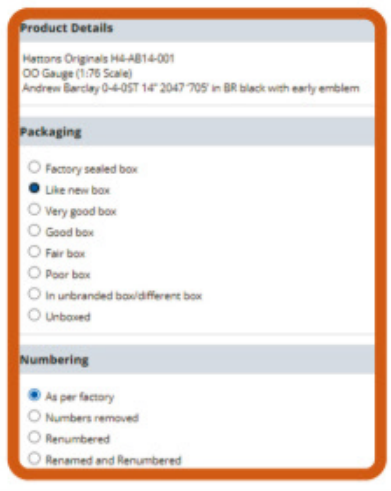
HORNBY · BACHMANN EUROPE PLC · dapol · HELJAN · GAUGEMASTER · PECO

KATO PRECISION RAILROAD MODELS · Lima · GRAHAM FARISH by BACHMANN · MAINLINE RAILWAYS · OXFORD RAIL 00 GAUGE RAILWAYS · ViTrains models

The easiest way to put your list together...

Utilise our extensive product database and preset item conditions to quickly and easily compile your list.





Take our 60 second quiz and immediately learn if we can make an offer on your collection!

www.HattonsModelMoney.com/quiz

Get in touch with our friendly team...

Call us on: 0151 305 1755

Phone opening times: Mon to Sun 9:30am - 5:30pm

Email us at: preowned@hattons.co.uk

17 Montague Road, Widnes, WA8 8FZ

www.hattonsmodelmoney.com

Hattons MODEL RAILWAYS

Forthcoming Releases

Your Guide to New Tooling Projects In Production
Visit hattons.co.uk for all the latest news & updates

OO Gauge Steam Locos

L&MR 'Lion' 0-4-2
Stage: Engineering Sample **Due:** 2023
Price: from £152.96 **Digital:** NEXT-18
hattons.co.uk/rapidolion

Hawthorn Leslie 0-4-0ST
Stage: CADs **Due:** Q3 2023
Price: from £99.45 **Digital:** NEXT-18
hattons.co.uk/dapolhl040

Hunslet 16" 0-6-0ST
Stage: Engineering Sample **Due:** TBC 2022
Price: from £110.46 **Digital:** NEXT-18
hattons.co.uk/rapidohunslet

Class 78xx 'Manor' 4-6-0
Stage: Deco Samples **Due:** Q2 2022
Price: from £140.72 **Digital:** NEXT-18
hattons.co.uk/dapolmanor

Class 78xx Manor 4-6-0
Stage: Engineering Sample **Due:** Q2 2022
Price: from £169.99 **Digital:** 21-pin
hattons.co.uk/accurascalemanor

HR Class I 'Jones Goods' 4-6-0
Stage: CADs **Due:** TBC 2023
Price: from £186.96 **Digital:** 21-pin
hattons.co.uk/rapidojonesgoods

OO Diesels & Electrics

Class 31
Stage: Engineering Samples **Due:** Q2 2023
Price: from £169.99 **Digital:** 21-pin
hattons.co.uk/accurascale31

Class 37/0, 37/4 & 37/6
Stage: Engineering Samples **Due:** Q2 2022
Price: from £169.99 **Digital:** 21-pin
hattons.co.uk/accurascale37

Class 47
Stage: Prototype **Due:** Q2 2022
Price: from £186.95 **Digital:** 21-pin
hattons.co.uk/heljanoo47

Class 59
Stage: Painted Samples **Due:** Late 2022
Price: from £136.31 **Digital:** 21-pin
hattons.co.uk/dapol59

BR NBL Prototype 10800
Stage: CADs **Due:** 2023
Price: £199.71 **Digital:** 21-pin
hattons.co.uk/heljan10800

OO Gauge Multiple Units

Class 104 DMU
Stage: CADs **Due:** Q1 2023
Price: from £296.65 **Digital:** 21-pin
hattons.co.uk/heljan104

OO Coaches & Wagons

Genesis 4 & 6 Wheel Coaches
Stage: Deco Samples **Due:** 2022
Price: from £30 **Digital:** 18-pin
hattons.co.uk/genesis

BR Mk2B Coaches
Stage: Deco Samples **Due:** Q4 2022
Price: £59.95 each **Digital:** Yes
hattons.co.uk/accurascalemk2b

GWR 'Toplight City' Coaches
Stage: Engineering Samples **Due:** 2023
Price: £51 each **Digital:** 6-pin
hattons.co.uk/dapoltoplightcity

Siphon G Vans
Stage: Early Samples **Due:** Q1 2023
Price: £54.95 **Digital:** N/A
hattons.co.uk/accsiphong

SECR 10t Goods Van
Stage: Deco Samples **Due:** 2023
Price: £28.01 **Digital:** N/A
hattons.co.uk/rapidosecrvan

VIX Ferry Vans
Stage: Engineering Samples **Due:** 2022
Price: £39.06 each **Digital:** N/A
hattons.co.uk/rapidovix

Chaldron 4-wheel Wagons
Stage: Deco Samples **Due:** Q2 2022
Price: £44.99 (3-pack) **Digital:** N/A
hattons.co.uk/accurascalechaldron

MGR Hopper Wagons & CDAs
Stage: Deco Samples **Due:** Q2 2022
Price: £74.95 (3-pack) **Digital:** N/A
hattons.co.uk/accurascalemgr

MHA 'Coalfish' Wagons
Stage: Deco Samples **Due:** Q2 2022
Price: £74.95 (3-pack) **Digital:** N/A
hattons.co.uk/accurascalemha

N Gauge Steam Locos

LSWR Class M7 0-4-4T
Stage: Prototype **Due:** Q2 2022
Price: £83.2 **Digital:** Yes - PCB swap
hattons.co.uk/dapolm7

N Gauge Diesel Locos

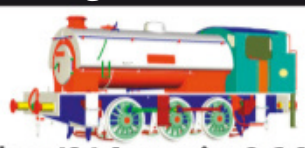
Class 28 Co-Bo
Stage: Early sample **Due:** TBC 2022
Price: from £101.96 **Digital:** NEXT-18
hattons.co.uk/rapidocobo

Class 59
Stage: Engineering Samples **Due:** Q4 2022
Price: from £136 **Digital:** NEXT-18
hattons.co.uk/dapoln59

N Gauge Wagons

JHA 102t Hopper Wagons
Stage: Engineering Samples **Due:** Q3/ Q4 2022
Price: £33.96 **Digital:** N/A
hattons.co.uk/dapolnjha

O Gauge Steam Locos



Class J94 Austerity 0-6-0ST
Stage: CADs **Due:** 2023
Price: from £212.50 **Digital:** 21-pin
hattons.co.uk/dapolj94

O Gauge Diesels/ Electrics

Class 26
Stage: Deco Samples **Due:** Q2 2022
Price: from £509.15 **Digital:** ESU XL
hattons.co.uk/heljano26

Class 37/0 Re-Tool
Stage: CADs **Due:** 2023
Price: £534.65 **Digital:** ESU XL
hattons.co.uk/heljano37

Class 55 'Deltic'
Stage: Early sample **Due:** 2023
Price: from £594.15 **Digital:** ESU XL
hattons.co.uk/heljandeltic

Class 56
Stage: Deco Samples **Due:** Q2 2022
Price: from £594.15 **Digital:** ESU XL
hattons.co.uk/heljan56

Class 66
Stage: Engineering Sample **Due:** Q3 2022
Price: from £285.92 **Digital:** 21-pin
hattons.co.uk/dapolo66

Class 73
Stage: Engineering Sample **Due:** Mid-2022
Price: from £636.65 **Digital:** ESU XL
hattons.co.uk/heljan73

O Diesel Multiple Units

GWR Streamlined Railcar
Stage: Painted Samples **Due:** Q2 2022
Price: from £297.50 **Digital:** 21-pin
hattons.co.uk/dapolorailcar

Class 117 2/ 3-car DMU
Stage: Early samples **Due:** 2022
Price: from £551.65 **Digital:** 21-pin
hattons.co.uk/heljan117

O Coaches & Wagons

Stroudley 4 Wheel Coaches
Stage: Deco Samples **Due:** Q2 2022
Price: from £96.77 **Digital:** Yes TBC
hattons.co.uk/dapolstroudley

Mk2 & Mk2A Coaches
Stage: Prototypes **Due:** Q3 2022
Price: from £237.15 **Digital:** N/A
hattons.co.uk/heljanmk2

Mk1 Covered Carriage Trucks
Stage: Early sample **Due:** 2022
Price: from £152.15 **Digital:** N/A
hattons.co.uk/heljancct

Please note - Images shown here may not be fully representative of the final products. Errors excepted.

Hattons · MODEL RAILWAYS ·

Your Local Online Model Railway Store

Explore an incredible range of new & pre-owned items at **hattons.co.uk**

0151 733 3655
Available: 9:30am to 5:30pm (UK Time) - 7 days a week
info@hattons.co.uk
www.hattons.co.uk

Reliable & Fast Delivery
We ship worldwide and offer services to suit your budget.
Standard Delivery - £4
Next Day Service - **£9**
International - Search for 'Hattons Delivery' for full info

Trunk Service
Purchase items and have them held with us for later despatch.
Combine Your Orders
Save on Postage Costs
Snap up Popular Items

Friendly Team
Our team are always happy to help with any queries.
Available 9:30am to 5:30pm (UK Time) 7 Days a Week

Pre-Owned Trade-In
Trade-in your unwanted items quickly and easily with Hattons.
Dedicated pre-owned team
Build your list quickly online
Great cash or credit offers

News & Listings
Get all the details you need to know on a range of models.
Join us on social media
Read our weekly newsletters
Lots of great online content

Find us at: **www.hattons.co.uk** or search for: **'Help Me Hattons'**

Our Latest Best-Sellers...

Explore **over 24,000** items at **www.hattons.co.uk**

OO Gauge (1:76 Scale)

Steam locos

H4-AB14-006 Andrew Barclay 0-4-0ST 14" 2069 "Little Barford" in Acton Lane Power Station blue wasp stripes (Hat) (RRP £99).....BARGAIN.....£84

R3541 Class Q6 Raven 0-8-0 2265 in LNER black pre-war lettering (Hor) (RRP £194.99).....BARGAIN....£114

R3702 Class W4 Peckett 0-4-0ST "Daphne" in Tytherington Stone Co. purple (Hor) £115

R3703 Class W4 Peckett 0-4-0ST No.8 "Bear" in light blue (Hor).....£115

H4-P-013 SECR P Class 0-6-0T 5027 in ROD green (Hat) (RRP £99).....BARGAIN.....£84
H4-P-014 SECR P Class 0-6-0T 5753 ROD green (Hat) (RRP £99)BARGAIN£84

Diesel locos

R30084 0-6-0 'Sentinel' diesel shunter 3001 in Manchester Ship Canal blue (Hor) NEW.....£98.50

R30083 0-6-0 'Sentinel' diesel shunter 39 in Port of Bristol Authority blue (Hor) NEW £98.50

R30085 0-6-0 'Sentinel' diesel shunter 57 "Stanton" in NCB green (Hor) NEW £98.50

R3899 Class 08 shunter 08715 in BR Stratford depot orange Cockney Sparrow emblem (Hor) £167

Electric locos

R3751 Class 87 87002 "Royal Sovereign" in Caledonian Sleeper (Hor) (RRP £206.99).....BARGAIN....£119

DMUs

4D-009-HAT05 Class 121 single car DMU 'Bubblecar' 55027 in revised Network South East - Hatton's limited edition (Dap) (RRP £129.95).....BARGAIN.....£99

Train sets - analogue

R1230 Starter train set - "GWR High Speed Train" (Hor) £142

Coaches

GWRCoachPackE Collett 57' Non-Corridor 4-pack in BR crimson (Includes R4878, R4879, R4880 & R4881A) (Hor) (RRP £215.96).....BARGAIN....£119

R4188D ex-LMS Period II 12-wheel dining car M236M in BR crimson and cream (Hor) (RRP £60.49)BARGAIN..£23

R4447B ex-LMS Period III FK first corridor M1047M in BR crimson and cream (Hor) (RRP £60.49)BARGAIN.....£25

R4519B Gresley non-vestibuled suburban first E81032E in BR maroon (Hor) (RRP £60.49).....BARGAIN.....£25

R4816A Maunsell restaurant kitchen and dining car 7865 in SR olive green (Hor) (RRP £58.49) ..BARGAIN.....£29

Wagons

BOC06/ BOC08/ BOC12/ BOC15 100 ton BOC tank in BOC Liquid Oxygen yellow stripe (Hel) (RRP £75)BARGAIN.....£45

H4-RHTT-002 Rail Head Treatment Train 'Water Jet' 2 wagons and water jetting modules (Hat) (RRP £118) BARGAIN.....£99

Cars

76AHF001 Austin Healey Frogeye Sprite Cherry Red (Oxf) NEW £5.50

Commercial vehicles

76CUS002 Ford Transit Custom White (Oxf) NEW .. £6.50

76SRH001 Scania R Series Highline Box Trailer in Eddie Stobart (Oxf) NEW..... £24.50

N Gauge

Steam locos

2S-013-007 Class 9F 2-10-0 92051 in BR black early emblem (Dap) £114.75
2S-013-009 Class 9F 2-10-0 92214 BR lined green late crest - as preserved (Dap) £114.75

DMUs

2D-021-005 Class 156 'Super Sprinter' 156461 in Northern Rail Ravenglass and Eskdale Railway branding (Dap)£127.52
2D-021-005D Class 156 'Super Sprinter' 156461 in Northern Rail Ravenglass and Eskdale Railway branding - Digital fitted (Dap) .. £162.71

2D-021-004 Class 156 'Super Sprinter' 156509 in Strathclyde Passenger Transport SPT orange and black (Dap)...£127.52
2D-021-004D Class 156 'Super Sprinter' 156509 in Strathclyde Passenger Transport SPT orange and black - Digital fitted (Dap) £162.71

Bi-Modal Multiple Units

K10-1671 Class 800/0 5-car BiMU IET 800021 in GWR green (Kat).....£178

O Gauge (1:43 Scale)

Steam locos

H7-A3-001 Class A3 4-6-2 2750 "Papyrus" in LNER Grass green unstreamlined corridor tender - "Record Breaker" (Hat) (RRP £750).....BARGAIN....£579

H7-A3-007 Class A3 4-6-2 60103 "Flying Scotsman" in BR green late crest and unstreamlined corridor tender (Hat) (RRP £750).....BARGAIN....£579
H7-A4-003 Class A4 4-6-2 4468 "Mallard" in LNER Garter blue streamlined non-corridor tender (Hat) (RRP £750) .BARGAIN £579

H7-A4-006 Class A4 4-6-2 60007 "Sir Nigel Gresley" in BR express blue unstreamlined corridor tender - "Record Breaker" (Hat) (RRP £750).....BARGAIN....£579

H7-A4-008 Class A4 4-6-2 60009 "Union of South Africa" in BR green late crest and unstreamlined corridor tender (Hat) (RRP £750).....BARGAIN....£579
H7-A4-007 Class A4 4-6-2 60012 "Commonwealth of Australia" in BR green early emblem and streamlined corridor tender (Hat) (RRP £750) BARGAIN.....£579

Diesel locos

2051 Class 03 shunter D2011 in BR green no yellow ends and conical exhaust (Hel) (RRP £395) .BARGAIN....£259

7D-008-010 Class 08 shunter D3316 in BR blue (without ladder) (Dap)..... £197.95

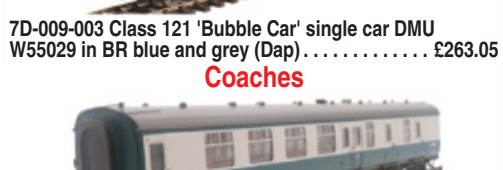
4860 Class 47 in BR blue (1980s) - unnumbered (Hel) £594.15

4037 Class 50 50046 "Ajax" in BR large logo blue black roof (Hel) £611.15

DMUs

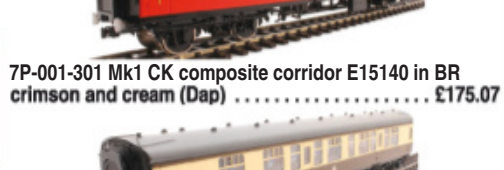
7D-009-003 Class 121 'Bubble Car' single car DMU W55029 in BR blue and grey (Dap)..... £263.05

Coaches

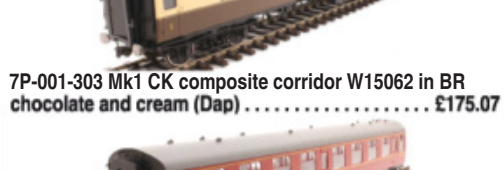


7P-001-009 Mk1 BSK brake second corridor M34393 in BR blue and grey (Dap) £175.07

7P-001-301 Mk1 CK composite corridor E15140 in BR crimson and cream (Dap) £175.07



7P-001-303 Mk1 CK composite corridor W15062 in BR chocolate and cream (Dap) £175.07



7P-001-104 Mk1 SO second open M3947 in BR maroon (Dap) £175.07

All items in stock when advert created. Prices valid until 08/06/22. Errors excepted.

Kernow Model Rail Centre

CAMBORNE
98A Trelowarren Street, TR14 8AN

Visit **www.kernowmodelrailcentre.com** or call our team on **01209 714099**

UK P&P £4 PER ORDER / ORDERS OVER £250 POST FREE AT TIME OF DESPATCH

GUILDFORD
75B Stoke Road, GU1 4HT

LATEST ARRIVALS / OO GAUGE

ACCURASCALE OO

ACC2600 HYA Bogie Hopper Wagon Twin Pack - Fastline Freight 1.....£74.95
ACC2601 HYA Bogie Hopper Wagon Twin Pack - Fastline Freight 2.....£74.95
ACC2602 HYA Bogie Hopper Wagon Twin Pack - Fastline Freight 3.....£74.95
ACC2603 HYA Bogie Hopper Wagon Twin Pack - GBRf Coal 1.....£74.95
ACC2604 HYA Bogie Hopper Wagon Twin Pack - GBRf Coal 2.....£74.95
ACC2605 HYA Bogie Hopper Wagon Twin Pack - GBRf Coal 3.....£74.95
ACC2606 HYA Bogie Hopper Wagon Twin Pack - Unpainted Touax 1.....£74.95
ACC2620 IIA Biomass Bogie Hopper Wagon Twin Pack - GBRf VTG.....£74.95
ACC2621 IIA Biomass Bogie Hopper Wagon Twin Pack - GBRf VTG.....£74.95
ACC2622 IIA Biomass Bogie Hopper Wagon Twin Pack - GBRf VTG.....£74.95
ACC2623 IIA Biomass Bogie Hopper Wagon Twin Pack - GBRf VTG.....£74.95
ACC2640 Cutdown HYA Bogie Hopper Wagon Twin Pack - GBRf Cemex.....£74.95
ACC2641 Cutdown HYA Bogie Hopper Wagon Twin Pack - GBRf Cemex.....£74.95
ACC2642 Cutdown HYA Bogie Hopper Wagon Twin Pack - GBRf Cemex.....£74.95

ACC2643 Cutdown HYA Bogie Hopper Wagon Twin Pack - GBRf Tarmac.....£74.95
ACC2644 Cutdown HYA Bogie Hopper Wagon Twin Pack - GBRf Tarmac.....£74.95
ACC2645 Cutdown HYA Bogie Hopper Wagon Twin Pack - GBRf Tarmac.....£74.95
ACC2646Cutdown HYA Bogie Hopper Wagon Twin Pack – NACCO.....£74.95

BACHMANN SCENECRAFT OO

44-187A Scenecraft Great Central Signal Box Green.....£67.99
44-187C Scenecraft Great Central Signal Box Maroon & Cream.....£67.99
44-0143 Scenecraft Lucston Memorial.....£9.95
44-0144 Scenecraft Lucston Low Relief Bridge.....£19.95
44-0161 Scenecraft Narrow Straight Platforms (x2).....£21.99
44-0162 Scenecraft Narrow Platform Ramps (x2).....£14.95
44-0167 Scenecraft Wooden Halt and Steps.....£22.99
44-0209 Scenecraft Low Relief Pagoda Roof Toilet.....£33.99
44-0514 Scenecraft Seawalls (x2).....£41.99
44-0516 Scenecraft Ironstone Loads 24T Hopper Wagon.....£14.95
44-0517 Scenecraft Ballast Loads for MFA Hopper Wagons.....£14.95
44-0518 Scenecraft Wood Loads for Open Wagons.....£14.95

DAPOL OO

4F-016-116 Banana Van No. B240750 Fyffes Yellow.....£11.14
4F-016-117 Banana Van No. B240750 Fyffes Yellow, weathered.....£12.21
4S-018-005D B4 0-4-0T Steam Locomotive No. 30096 BR Black L/C. DCC Fitted....£129.95

HORNBY OO

R3891 Class 91 Bo-Bo Electric Locomotive No. 91 118 "The Fusiliers" LNER.....£196.99
R3893 Class 91 Bo-Bo Electric Loco No. 91 117 "Cancer Research UK" GNER Blue.£196.99

R3955 Railroad 0-4-0 Steam Locomotive Coca-Cola.....£40.99

R3990 A1 4-6-2 Steam Locomotive No. 2547 "Doncaster" LNER.....£227.99

R30052 Railroad 0-4-0 Steam Locomotive No. 32651 BR Black E/E.....£45.99
R30053 Railroad 0-4-0 Steam Locomotive No. 101 GWR Green.....£45.99
R40031 Maunsell Composite Dining Coach No. S7841S BR SR Green.....£54.99

HORNBY SKALEDALE OO

R7295 Scottish Croft.....£28.99

R7296 Stone Circle.....£15.99
R7297 Gravestones.....£15.99
R7298 Village Pump.....£14.99
R7304 Platform Island.....£19.99
R7339 War Memorial.....£12.99
R7340 Rose Cottage.....£38.99
R7341 Stone Footbridge.....£19.99
R7342 All Souls.....£38.99

RAPIDO OO

924503 APT-E 4 Car Train Pack BR Blue & Grey. DCC Sound Fitted.....£419.95

924505 APT-E 4 Car Train Pack BR Intercity. DCC Sound Fitted.....£419.95

LATEST ARRIVALS / N GAUGE

EFE RAIL N

E87500 JIA Nacco Wagon No. 33-70-0894-007-0 Imerys Blue.....£38.95
E87501 JIA Nacco Wagon No. 33-70-0894-008-8 Imerys Blue.....£38.95
E87502 JIA Nacco Wagon No. 33-70-0894-020-3 Imerys Blue.....£38.95
E87503 JIA Nacco Wagon No. 33-70-0894-000-5 Imerys Blue.....£38.95

E87504 JIA Nacco Wagon No. 33-70-0894-001-3 Imerys Blue, light weathering.....£40.95
E87505 JIA Nacco Wagon No. 33-70-0894-002-3 Imerys Blue, light weathering.....£40.95
E87506 JIA Nacco Wagon No. 33-70-0894-009-6 Imerys Blue, light weathering.....£40.95
E87507 JIA Nacco Wagon No. 33-70-0894-010-4 Imerys Blue, light weathering.....£40.95
E87508 JIA Nacco Wagon No. 33-70-0894-011-2 Imerys Blue, heavy weathering.....£42.95
E87509 JIA Nacco Wagon No. 33-70-0894-012-0 Imerys Blue, heavy weathering.....£42.95
E87510 JIA Nacco Wagon No. 33-70-0894-003-9 Imerys Blue, heavy weathering.....£42.95
E87511 JIA Nacco Wagon No. 33-70-0894-004-7 Imerys Blue, heavy weathering.....£42.95

GRAHAM FARISH SCENECRAFT N

42-002 Washing Plant.....£33.99
42-186 Great Central Water Tower.....£23.95
42-210 Low Relief Multi Storey Car Park.....£46.99
42-216 Low Relief High Street Store.....£33.95
42-556 Storm Haven Tent.....£18.99
42-0004 Coal Staithes - Stone.....£17.95

METCALFE N

PN912 Country Goods Shed Card Kit.....£13.00
PN961 Modern Retail Unit Card Kit.....£12.00

BACHMANN SHOWCASE RANGE / EXPECTED SUMMER 2022 / OO GAUGE

31-635B Bachmann GWR 64XX Pannier Tank 6414 GWR Green (GWR).....£118.99
32-131A Bachmann GWR 4575 Prairie Tank 5526 GWR Green (Great Western).....£118.99

32-132 Bachmann GWR 45XX Prairie Tank 4571 BR Lined Green E/E.....£140.99

32-615 Class 90 Electric Locomotive No. 90 004 "City of Glasgow" Virgin Trains.....£195.95

35-412 Bachmann Class 47/7 No. 47712 'Lady Diana Spencer' BR ScotRail.....£203.99

35-414 Bachmann Class 47/4 No. 47435 BR Blue.....£203.99

35-415 Bachmann Class 47/7 No. 47711 'Greyfriars Bobby' BR Blue (Large Logo)...£203.99

38-874 Bachmann BR 12T 'Vanwide' Ventilated Van BR Bauxite, weathered.....£33.99

38-875 Bachmann BR 12T 'Vanwide' Ventilated Van BR Departmental Olive Green....£33.99

39-755A Bachmann BR Mk1 POT Post Office Stowage Van W80424 BR Blue & Grey.£50.99

FREE POSTAGE ON ORDERS OVER £250* // ORDER SENT SAME WORKING DAY // LOYALTY POINTS RECEIVED ON ALL PURCHASES WITH US**

We do a DECODER FITTING SERVICE for OO & N Gauge DCC Ready Locomotives...£9.99. If you have other locos you are interested in having fitted with a decoder or sound please phone or email us for a quote

Sign up to our newsletter & join our loyalty scheme at www.kernowmodelrailcentre.com • Kernow Model Rail Centre • @kernowmodelrail • *at time of despatch **subject to stock levels

BARGAIN CLEARANCE

VISIT OUR WEBSITE FOR EVEN MORE BARGAINS

OO GAUGE

BACHMANN

30-425 Bachmann Midland Pullman Train Pack.....**£525.00**
31-426C Class 411 4-CEP 4 Car EMU No. 7122 BR SR Green.....**£349.99**

32-166 Southern N Class No. 1406 SR Black.....**£109.99**
32-389TL Class 37/4 Diesel No. 37 416 "Mount Fuji" InterCity Mainline, weathered.**£139.95**

32-775TLDS Class 37/0 No. 37 055 "Rail Celebrity" Mainline Freight. DCC Sound..**£199.99**
38-125Y 35 Ton RTC Trib Train Van ZXR No. RDB 999900 BR Bauxite.....**£18.99**
39-153D BR Mk1 FK First Corridor Coach No. S13006 BR (SR) Green.....**£33.99**
39-177C BR Mk1 BG Full Brake Coach No. M80565 BR Crimson & Cream.....**£27.95**
39-186 BR Mk1 BG Full Brake Coach QRX ADB 975612 Departmental Olive Green, wthrd.**£27.99**
39-265 BR Mk1 RMB Miniature Buffet Car No. M1865 NSE.....**£28.99**
39-312 BR Mk1 SP Pullman Second Parlour Coach No. E352E BR Blue & Grey.....**£36.99**

DAPOL

4D-009-008 Class 121 Single Car DMU No. 55033 Midline.....**£99.99**

4D-009-009 Class 121 Single Car DMU No. 977723.....**£99.99**

HORNBY

R1223 Freightmaster Train Set.....**£64.99**

R30021 Class 66 Diesel Locomotive No. 66 721 "Harry Beck" GBRf Metronet.....**£59.99**
R3374 Class 71 Electric Locomotive No. 71 012 BR Blue.....**£109.99**
R3448 B17 Class Steam Locomotive No. 61619 "Welbeck Abbey" BR Green E/E.....**£99.99**
R3534 King Class Steam Locomotive No. 6023 "King Edward II" GWR Green.....**£114.99**
R3552 GWR Aberporth Grange Steam No. 6860 "Aberporth Grange" GWR Green....**£99.99**

R3568 Class 71 Electric Locomotive No. E5018 BR Green.....**£99.99**
R3569 Class 71 Electric Locomotive No. E5005 BR Blue.....**£99.99**

R3741 Class 92 Co-Co Electric Loco No. 92 043 "Debussy" GBRf Europorte.....**£69.99**
R3751 Class 87 Bo-Bo Electric Loco 87 002 "Royal Sovereign" Caledonian Sleeper.**£129.99**

R3917 Class 31 A1A-A1A Diesel Locomotive No. D5627 BR Green.....**£149.99**
R4131C 68ft Dining/Restaurant Car No. M232M BR Maroon.....**£27.99**
R4188D LMS Period II 68ft Dining/Restaurant Car M236M BR Crimson & Cream.....**£28.99**
R4388 Railroad LMS Composite Coach No. 4183 LMS.....**£19.99**
R4449B LMS Period III Corridor Brake Third Coach M5914M BR Crimson & Cream.**£28.99**
R4519B 51ft Gresley Non-Vestibuled Suburban First Coach E81032E BR Maroon...**£28.99**
R4520B 51ft Gresley Non-Vestibuled Suburban First Coach E82190E BR Maroon...**£28.99**
R4521C 51ft Gresley Non-Vestibuled Suburban Composite Coach E88067E BR Maroon.**£28.99**
R4681A GWR Collett Bow Ended Corridor Brake Third Coach L/H No. 4942.....**£27.99**
R4689 LMS Non-Corridor 57ft Composite Coach No. M16574.....**£27.99**
R4689A LMS Non-Corridor 57ft Composite Coach No. M16587M BR Maroon.....**£27.99**
R4690 LMS Non-Corridor 57ft Third Class Coach No. M11912M.....**£27.99**
R4690A LMS Non-Corridor 57ft Third Class Coach No. M11886M BR Maroon.....**£27.99**
R4691 ex LMS Non-Corridor 57ft Third Class Coach No. M20787M BR Maroon.....**£27.99**
R4737 Maunsell 6 Compartment Third Class Brake Coach 3798 SR Malachite Green.**£27.99**
R4793 SR 58ft Maunsell Rebuilt (ex LSWR 48ft) 6 Compartment Brake 3rd Coach 2628.**£29.99**
R4796A Maunsell Brake Third Class Coach S3794S BR Crimson & Cream.....**£24.49**
R4799 LMS Surburban Non-Corridor Composite No. M16635 BR Crimson.....**£29.99**
R4800 LMS Surburban Non-Corridor Third Class Coach No. M11793 BR Crimson....**£29.99**
R4801 LMS Surburban Non-Corridor Third Class Brake Coach M20736 BR Crimson.**£29.99**
R4801A LMS Surburban Non-Corridor Third Brake Coach M2073M BR Crimson.**£29.99**
R4818 Railroad Composite Coach No. 5055 Southern Malachite Green.....**£13.99**
R4832 63ft Collett A30 Autocoach No. W193W BR Maroon.....**£23.99**
R4838 Maunsell Corridor 6 Compartment Brake 2nd Coach S2764S BR SR Green..**£27.99**
R4841 Maunsell Corridor Four Compartment Brake Coach S3233S BR SR Green 'Set 399'.**£27.99**
R4842 Maunsell Corridor Composite Coach S5145S BR SR Green 'Set 399'.....**£26.99**

R4858A Mk3 Standard Open SO Coach No. 12045 Virgin Trains.....**£29.99**
R4858B Mk3 Standard Open SO Coach No. 12087 Virgin Trains.....**£29.99**
R4874 GWR Collett 57ft Bow Ended E131 Nine Compartment Composite L/H 6360.**£27.99**
R4879A GWR Collett 57ft Bow Ended E131 9 Compartment Composite Coach RH.**£27.99**
R4938A Mk3 Sliding Door TGS Coach No. 44052 Cross Country Trains.....**£19.99**
R4940C Mk3 Sliding Door TS Coach 42370 Cross Country Trains.....**£19.99**
R4999 Class 395 Highspeed Train 2 Car Coach Pack.....**£49.99**

R6816 6 Plank Wagon No. 137 "Crynant Colliery Company".....**£9.99**
R6905 BR 21T Mineral Wagon No. B316500 .....**£14.99**

R6964 CDA China Clay Hopper Wagons ECC Triple Pack, weathered.....**£49.99**

BARGAIN BUNDLES

31-676APACK Bachmann Class 85 Electric Loco E3057 + 37-238Z Triple Pack.....**£179.99**
K9948 Bachmann Class 47 4-TC Train Pack.....**£299.99**
K9951 Bachmann St Blazey Peak Wagon Pack.....**£159.95**
K9959 Bachmann Class 47 TPO Pack.....**£199.99**
K9961 Bachmann Warship Clay Wagon Pack.....**£144.99**
K9965A The Sapper Cargowaggon Pack.....**£149.99**
K9998A Bachmann Scenecraft China Clay Dries Pack with FREE Landrover.....**£99.99**

N GAUGE

BARGAIN BUNDLES

K9953 Revolution Stobart Class 92 Bargain Pack.....**£239.99**

K9983C Graham Farish Clay Wagon Bargain Pack.....**£49.99**

BACHMANN

19656 ACF 50ft 6in Outside Braced Sliding Door Box Car Burlington Northern.....**£14.99**

19657 ACF 50ft 6in Outside Braced Sliding Door Box Car Montana Rail.....**£14.99**
19658 ACF 50ft 6in Outside Braced Sliding Door Box Car Norfolk Southern.....**£14.99**

DAPOL

2D-022-003 Class 68 Diesel Locomotive No. 68 010 Chiltern.....**£124.95**

GRAHAM FARISH

374-135 BR Mk1 GUV QRV No. KDB977557 Satlink.....**£39.95**

374-167 BR Mk1 FK First Corridor Coach No. 13225 Regional Railways.....**£26.99**
374-192 BR Mk1 BSK Brake Second Corridor Coach No. M35451 Intercity.....**£20.99**

374-643 BR MK 1 CCT Coach QQX No. ADB 977076 BR Re-Railing Yellow.....**£16.95**
374-830C Stanier Brake Corridor First Coach No. 5057 LMS Crimson Lake.....**£20.95**
374-831C Stanier Brake Corridor First Coach M5056M BR Crimson & Cream.....**£20.95**
374-847A Stanier Corridor First Coach No. M1053M BR Maroon.....**£20.99**
374-875 LMS 50ft Inspection Saloon No. 45028 LMS Lined Crimson Lake.....**£25.95**
377-062 5 Plank Wagon No. 132701 NE Grey with Load.....**£12.99**
377-090 7 Plank Wagon End Door No. 127916 NE Grey.....**£20.95**
377-651A MBA Megabox High-Sided Bogie Box Wagon 500067 EWS, weathered.**£37.95**
377-775 12 Ton Pipe Wagon ZDV No. KDB484176 BR Engineers Olive Green....**£19.95**
377-954A 13 Ton High Sided Steel Wagon No. 278985 NE Grey.....**£12.99**
379-517 Harrington Cavalier Southdown.....**£5.95**

---> Visit our website for our large range of in stock buses <---

GRAHAM FARISH SCENECRAFT

42-087 Bluebell Waiting Room.....**£24.95**
42-090 Sheffield Park Waiting Room.....**£30.95**
42-093 Sheffield Park Footbridge.....**£30.95**
42-180 Traders Store.....**£14.95**
42-198 Power Station Chimney.....**£21.95**
42-236 Low Relief Railway Hotel.....**£12.95**
42-238 Low Relief Goods Loading Canopy.....**£21.95**
42-298 Low Relief Boiler House.....**£19.99**
42-299 Low Relief Turbine Hall.....**£37.95**

O GAUGE

HELJAN

6100 61xx GWR Large Prairie Steam Locomotive 6110 Great Western Green.**£499.99**

BACHMANN

47-539 Platform Tractor Units. Pack of 2.....**£9.95**
47-567 Coolant Trolley. Pack of 4.....**£6.95**

HORNBY

R3816 2710 CR No. 1 Centenary Year Limited Edition - 1920.....**£499.99**
R3816 2710 CR No. 1 Centenary Year Limited Edition - 1920.....**£499.99**
R3817 2710 GN No. 1 Centenary Year Limited Edition - 1920.....**£499.99**

FOR OUR FULL RANGE PLEASE VISIT WWW.KERNOWMODELRAILCENTRE.COM // PRICES CORRECT AT TIME OF PRINT BUT ARE SUBJECT TO CHANGE

CALL OUR TEAM ON **01209 714099** • PLEASE SEND MAIL ORDERS TO **98A TRELOWARREN STREET, CAMBORNE, CORNWALL, TR14 8AN**

TMC

The MODEL CENTRE

Graffiti by TMC

Introducing the new Graffiti signature range by TMC.

We're now offering graffiti on custom finished models as well as making the service available for customer supplied orders.

Keep your eye on our website for new listings which will be available for next day delivery or get in touch to enquire about what is currently available.

We're able to replicate graffiti from photos for ultra realism, or recreate something you have seen in person. Alternatively let us know a design you're thinking of and our clever technicians will let their imaginations run wild!

All of our graffiti is completely bespoke and created by hand, no transfers are used which makes the quality our team achieves even more impressive!

www.themodelcentre.com t. 01947 899125

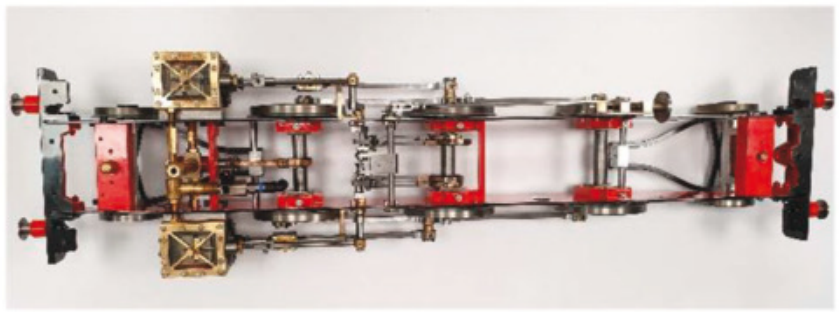
Hill Farm, Beck Hole, Whitby, YO22 5LF

For pricing please visit our website customisation page.

www.themodelcentre.com/customisation

POLLY MODEL ENGINEERING LIMITED

Find us on



Build your own 5” gauge coal fired ‘POLLY Loco’

Buy with confidence from an

Established British Manufacturer

Supplied fully machined, assembly requires hand tools only – no riveting, soldering or other complex processes. Kit includes **British** made boiler UKCA & CE stamped and accepted under Australian AMBSC regulations.

Model is supplied as a succession of kit modules. Spare parts easily available.

12 models to choose from, tank engines, tender engines, standard gauge/narrow gauge – something for everyone! Prices from £5999 including VAT and UK carriage. Build & cost is spread over 12 months.

Catalogue £3.00 UK £8 international posted (or download for free!) and enquire for further details or visit our website where you will find other Polly Locos, Kits, drawings and castings for scale models and comprehensive ME Supplies.

Polly Model Engineering Limited
Atlas Mills, Birchwood Avenue,
Long Eaton, Nottingham,
NG10 3ND, United Kingdom

www.pollymodelengineering.co.uk
Tel: +44 115 9736700

email:sales@pollymodelengineering.co.uk

Everything You Need For Your Digital Railway

DIGITRAINS

Just starting out in DCC and not sure what's available?
Grown out of your system and thinking of upgrading?
Getting into sound and want to know the best decoders?

DIGITAL COMMAND CONTROL (DCC) is one of the fastest growing areas of the model railway hobby.

As the first new company to set up as a DCC specialist in the UK. DIGITRAINS now has over 16 years experience to share.

Working in all the popular scales, we are here to guide you through choosing the best equipment.

We stock a wide range of products as well as offering free advice, a decoder installation service, a huge range of sound files and the best DCC 'test drive' facility around.

Don't leave that major purchase to chance!

Why not visit our shop? Our comprehensive library of loco sounds can be demonstrated.

- **Try before you buy**
- **Expert advice**
- **Great service**
- **Experience**
- **Major brands**
- **Worldwide mailing**

We stock 1,000s of products from more than 30 leading manufacturers. And don't worry if you're not digital. We're also a traditional model shop, holding all the major ready-to-run lines

/digitrains @digitrainsltd digitrainsltd

15 Clifton Street, Lincoln LN5 8LQ

01522 527731

www.digitrains.co.uk

enquiries@digitrains.co.uk

DISCOUNT 'O' GAUGE

TOWER BRASS LOCOMOTIVES
R.T.R in unpainted brass/factory painted

GWR/BR Railcar 19-33.....£550.00
GWR/BR Parcels Railcar No.34.....£550.00
GWR 1361 Early black chassis.....£525.00
GWR/BR 1361 Late black chassis.....£525.00
LY/LMS/BR Pug black.....£450.00
LNER/BR J39 0-6-0 black.....£815.00
GWR/BR 8750 Pannier black chassis . £525.00

FULLY FINISHED R-T-R LOCOS
L&Y/LMS/BR Pug 0-4-0T .....from £525.00
GWR/BR 1361 0-6-0ST.....from £695.00
GWR/BR 8750 Pannier tank .....from £695.00
GWR/BR Razor Edge railcar.....£835.00
GWR/BR Parcels railcar.....£810.00
LNER/BR J39 0-6-0 .....£950.00
LMS/BR Original Patriot.....£1650.00
Over 100 R-T-R locos available off the shelf

GLADIATOR LOCO KITS
GL1 LNER/BR D10/11 4-4-0 .....£355.00
GL14 LNER / BR Q4 TINY 0-8-0 .....£360.00
GL16 LNER / BR Q1/1 0-8-0 TANK £330.00
GL20 LMS/BR PRINCESS £480.00
GL21 LMS/BR ROYAL SCOT £420.00
GL23 LMS/BR BRITISH LEGION £420.00
GL24 LMS/BR ORIGINAL PATRIOT £420.00
GL28 LMS/BR 2P 4-4-0 .....£335.00
GL36 LBSC/SR/BR H2 ATLANTIC £430.00
GL44 LNWR/LMS /BR COAL TANK 0-6-2 ..£285.00
GL50 LNER/BR 2-8-8-2 GARRATT £675.00
GL57 LNER / BR L1 2-6-4 .....£330.00
GL58 LNER / BR B1 4-6-0 .....£400.00
GL59 LNER / BR K1 2-6-0 .....£385.00
GTR62 SR/BR Urie King Arthur..... .....£480.00
GL70 SR / BR SCHOOLS 4-4-0 .....£430.00
FT9 NER/LNER/BR G6/BTP 0-4-4T..... .....£240.00

MERCIAN LOCO KITS
SG5 LNER/BR J94 Austerity 0-6-0ST ..£180.00
GW2 GWR/BR 14xx Autotank.....£175.00

TOWER COLLECTION (D.J.H) BEGINNERS KITS
Includes wheels, gears and motor

TC1 Class 02 0-4-0 Diesel Shunter..... £250.00
TC3 Andrew Barclay 0-4-0 Steam Shunter£250.00

TOWER COLLECTION LOCO KITS
Require wheels, gears and motor

TC2 LMS streamlined Coronation.....£595.00
TC4 LMS/BR non streamlined Duchess...£595.00
TC5 LMS/BR de-streamlined Duchess £595.00
TC6 LMS/BR Sir William Stainer £595.00
TC7 LMS/BR Black Five 4-6-0.....£595.00
TC14 LMS/BR Stainer 8F 2-8-0.....£595.00

D.J.H LOCO KITS
K300 B.R Standard 84xx 2-6-2T.....£438.90
K301 B.R Standard 2MT 2-6-0 ..... £502.70
K302 LMS/B.R Ivatt 2-6-2T..... £438.90
K303 LMS/BR Fairburn 2-6-4 T £456.50
K310A LNER/BR A3 with Corridor tender..£721.60
K317B BR Britannia with BR1/1A tender..£721.60
K320 LMS / BR 2P/ 2F/ 2MT 2-6-0..... £502.70
K324B B.R 9F 2-10-0 BR1B/BR1C.....£721.60
K336 LNER/B.R Peppercorn A2 ..... £721.60
K338 LNER/B.R G5 0-4-0T..... £502.70
K340 B.R Class 14 complete kit..... £502.70
K344 NEW LNER/BR Hunt Class 4-4-0..£577.50
K345 NEW LNER/BR Thompson A2/1 ..£721.60
K346 NER / LNER D1 Class H1 4-4-4T...£495.00

PECO LINESIDE KITS
LK704 Wooden lineside hut kit.....£22.75
LK705 Brick lineside hut.....£22.75
LK709 Ground Level Signal Box.....£32.75
LK710 Signal Box Interior Kit.....£24.20
LK715 Brick Base Signal Box.....£45.15
LK735 GWR Yard Crane.....£24.50
LK741 GWR spear fencing.....£12.50
LK742 GWR spear fencing ramps.....£12.50
LK743 Field fencing and gates.....£11.35
LK747 Telegraph Poles (6).....£10.75
LK748 Ladders (4).....£8.55
LK749 Loading Gauges (2).....£14.15
LK750 Single track level crossing gates£23.00
LK758 Platelayers tools £7.35
LK759 Platform lamps (4) £9.95
LK760 Telephone boxes (2) £9.95
LK761 GWR Station seats (4) £9.50
LK762 MR/NER station seats (4) £9.50
LK763 SR/BR Station seats.....£9.50
LK764 Bicycles (8).....£9.50
LK765 Police Call Box £11.35
LK790 GWR home or distant signal.....£21.25

SLATERS BR WAGONS AND VANS KITS
7062 B.R 12ton Vanwide.....£40.00
7063 B.R Standard Van.....£40.00
7064 B.R 12ton Standard/Flat Van £40.00
7065 B.R Meat Van.....£40.00
7066 B.R. Insulated Van.....£38.00
7067 B.R 13 ton conflat 'A' £36.00
7069 B.R Lowfit Wagon £36.00
7070 B.R 12 ton Palvan £40.00
7071 B.R 13 ton High Goods Wagon.....£36.00
7033 LNER/BR 20T Brake Van £51.00
7053 LNER/BR 20T Brake Van £51.00
7C020 SECR/SR/BR 4 wheel PLV/GUV..£79.00
7C021P SR/BR Bogie Van £132.50
7C022 SR/BR 4 wheel BY.....£84.00

PECO WAGON KITS
W601 GWR Toad brake can.....£43.50
W602 GWR Permanent Way brake.....£43.50
W603 GWR 6 wheel brake.....£45.25
W604 GWR 4 plank open.....£36.50
W605 GWR Steel Open.....£36.50
W606 GWR 10 ton Van.....£44.75
W607 BR 16 ton Mineral wagon.....£45.25
W608 BR 27 ton Iron Ore wagon.....£44.75
W609 BR 20 ton Pig Iron wagon.....£44.75

PECO '0' GAUGE TRACKWORK
SLE786BH Curved R/H Point.....£62.50
SLE787BH Curved L/H Point.....£62.50
SL700BH 12 yards flexitrack.....£91.25
SLE791BH Right Hand Point.....£49.75
SLE792BH Left Hand Point.....£49.75
SLE797BH Y Point.....£49.75
SLE790BH Double Slip.....£104.75
SLE794BH Long Crossing.....£56.50
SL10 24 metal railjoiners.....£3.25
SL11 12 insulated railjoiners.....£3.15
SL740BH Buffer stop.....£3.20
TP1 Long Track pins (15mm).....£3.25
ST700 Box (6) 393mm straight.....£51.25
ST725 Half circle 1028mm radius curves£55.00
STU750BH R/H Setrack Point.....£47.50
STU751BH L/H Setrack Point.....£47.50
PL33 Microswitch.....£6.40
PL19 Microswitch Housing (2).....£5.20
PL80 Power Feed.....£8.00

PARKSIDE WAGON KITS
PS14 BR Grampus Ballast wagon.....£35.00
PS15 BR 21 Ton Mineral wagon.....£35.00
PS16 LNER Loco Coal wagon..... £35.00
PS17 BR 12 ton Pipe wagon..... £35.00
PS23 GWR/BR 13 ton open wagon..... £35.00
PS24 GWR/BR 12 ton unfitted van..... £35.00
PS25 BR 24.5 ton mineral wagon..... £35.00
PS26 GWR/BR 12 ton fitted van..... £35.00
PS27 GWR/BR 12 ton open with tarp bar. £35.00
PS28 GWR/BR 12 ton plywood van..... £35.00
PS29 GWR/BR Fruit van..... £35.00
PS30 BR 16 ton mineral wagon..... £35.00
PS31 BR 16 ton slope sided mineral..... £35.00
PS32 BR 16 ton mineral (ex SNCF)..... £35.00
PS33 BR 8 Plank wooden mineral..... £35.00
PS42 LMS/BR 12 ton open wagon..... £35.00
PS45 LNER/BR 12 ton goods van..... £35.00
PS46 LNER/BR 12 ton fruit van..... £35.00
PS49 GWR/BR Mica van..... £35.00
PS100 SR/BR Banana van..... £35.00
PS101 SR/BR Meat van..... £35.00
PS104 BR 21 ton coal hopper..... £35.00
PS106 SR/BR Cattle truck..... £35.00
PS112 GWR/BR Gunpowder van..... £35.00
PS114 LMS/BR Banana van..... £35.00
PS115 LNER/BR Brake Van..... £42.00

BACHMANN SCENECRAFT BUILDINGS
47040 Diesel Refuelling Point £39.95
47047 Hampton Hill Platelayers Hut.....£19.95
47203 Low Relief Corner Shop £19.95
47009 Single Engine Shed ..Special offer £60.00
47-541 Walls & Gates..... £25.45
47-558 Corrugated Shed.....£16.95
47-572 Midland Water Crane..... £25.45
47-002 Washing Plant £84.95
47-0054 Mess Room..... £59.50

NEW DAPOL B.R MARK 1 COACHES
Available as CK, SO, SK and BSK in crimson & cream, S.R green, blue & grey, chocolate & cream and maroon, numbered or un-numbered
Basic RRP £205.97 OUR PRICE £175.07
DCC fitted RRP £242.19 OUR PRICE £205.86
NOW AVAILABLE

DAPOL (EX LIONHEART) 45XX PRAIRIE
Superb quality fully finished with diecast body and excellent detail. Choice of six liveries, numbered and un-numbered.
RRP £512.33 OUR PRICE £435.48
Sound fitted RRP £672.75 OUR PRICE £572.74
Available Autumn 2022 Reserve yours now

DAPOL CLASS 121
Choice of 5 liveries
List Price £309.47 OUR PRICE £263.05
DCC Sound List Price £516.47 OUR PRICE £439.00
NOW AVAILABLE

DAPOL CLASS 122
Choice of 5 liveries
List Price £309.47 OUR PRICE £263.05
DCC Sound List Price £516.47 OUR PRICE £439.00
LAST FEW

LIONHEART SUBURBAN COACHES
Fully finished superb quality with interior details and lights.
2 car 'B' set G.W.R or B.R 6 types
RRP £470.50 OUR PRICE £399.99
4 car D set G.W.R or B.R 4 types
RRP £823.50 OUR PRICE £699.99

NEW DAPOL SENTINEL Y1/Y3
LNER, LMS, GWR, B.R or N.C.B
Basic RRP £181.13 OUR PRICE £153.96
DCC fitted RRP £212.18 OUR PRICE £180.35
Sound fitted RRP 362.25 OUR PRICE £307.97
NOW AVAILABLE

DAPOL (EX LIONHEART) PANNIERS
64XX and 74XX G.W.R or B.R
List Price £399.00 OUR PRICE £340.00
Sound Fitted **RRP £550.00 OUR PRICE £467.50**

NEW DAPOL 57XX/8750 PANNIERS
57xx in BR Livery
8750 in GWR & BR Liveries
with riveted tank option
Basic Version **RRP £243.23 OUR PRICE £206.75**
DCC Fitted **RRP£274.28 OUR PRICE £233.14**
NOW AVAILABLE

NEW DAPOL 10 FOOT W.B WAGONS
B.R Open Wagons (various)
RRP £46.95 OUR PRICE £39.95
B.R VEA, VBA, MEAT, INSULATED AND STANDARD VANS (12 TYPES)
RRP £51.70 OUR PRICE £43.95

DAPOL HBA & HEA COALWAGONS
8 LIVERIES AVAILABLE
RRP £55.00 OUR PRICE £46.75
TOWER MODELS SET OF SIX RAIL FREIGHT RED GRAY
RRP £330.00 OUR PRICE £275.00
AVAILABLE SPRING 2022

NEW DAPOL 20 TON BRAKE VANS
7 liveries available
RRP £84.00 OUR PRICE £71.40
AVAILABLE SPRING 2022

TOWER MODELS LIMITED EDITION DAPOL WAGON SETS
Set of 6 Esso or Shell BP Tankers
RRP £324.48 OUR PRICE £275.00
Set Of Six Planked & Plywood Vans
RRP £299.70 OUR PRICE £255.00
NOW AVAILABLE

DAPOL HAA COALWAGONS
VARIOUS LIVERIES AVAILABLE
RRP £59.95 OUR PRICE £50.95
TOWER MODELS EXCLUSIVE COAL SECTOR YELLOW FRAME
RRP £59.95 OUR PRICE £50.95
AVAILABLE SUMMER 2022

NEW DAPOL VANWIDE/VEA'S
RRP £58.59 OUR PRICE £49.80
TOWER MODELS LIMITED EDITION SETS OF SIX £295.00

DAPOL BOGIE BOLSTER E
6 LIVERIES AVAILABLE
RRP £72.40 OUR PRICE £61.54
NOW AVAILABLE

DAPOL TTA TANKERS
2 body types, 11 liveries
RRP £85.00 OUR PRICE £72.25
4 Tower Limited Edition Sets (3)
RRP £255.00 OUR PRICE £216.75
DUE LATE 2022

NEW DAPOL MOTORISED SIGNALS
GWR & LMS Home 4 versions
List Price £58.00
OUR PRICE £49.30

NEW DAPOL CONFLATS
6 VERSIONS WITH LOAD **£57.14**
4 VERSIONS WITHOUT LOAD **£39.54**
4 DIFFERENT TOWER MODELS
LTD EDITION SETS OF 3 B**R £170.00**
NOW AVAILABLE

TOWER MODELS
LIMITED EDITION ICI WAGONS
1950's:
Red Salt Van (9 types) £42.50 each
NOW AVAILABLE
1960's:
Blue Salt Vans (4 types) £42.50
5 plank Lime (5 types) £40.00
5 plank Alkalid (5 types) £40.00
NOW AVAILABLE
16 ton minerals
SODA ASH Livery(3 numbers) £41.50
NOW AVAILABLE

NEW DAPOL AUSTERITY J94
TEN LIVERIES BEING PRODUCED
BASIC RRP £250.00 OUR PRICE £212.50
DCC FITTED RRP £285.00
OUR PRICE £242.25
SOUND FITTED RRP £380.00 OUR PRICE £323.00
AVAILABLE SPRING 2023
ADVANCE ORDERS WELCOME

NEW DAPOL GWR / LMS / BR VANS
3 LIVERIES LMS STD 12T VAN
5 LIVERIES GWR STD 12T VAN
2 LIVERIES GWR FRUIT A
RRP £51.40 OUR PRICE £43.69
AVAILABLE WINTER 2022

NEW HELJAN CLASS 117
2 Car and 3 Car D.M.U
Available in a range of liveries from Cats Whiskers to N.S.E
Available October 2022
Reserve yours now

NEW HELJAN CLASS 26 & 27
VARIOUS LIVERIES
RRP £599.00 OUR PRICE £509.15
AVAILABLE SECOND HALF 2022

NEW HELJAN 61XX PRAIRIE TANK
HJ6103 6111 B.R. unlined green
HJ6120 un-numbered Great Western
HJ6121 un-numbered B.R. unlined black
HJ6122 un-numbered B.R. unlined green
HJ6123 un-numbered B.R. lined green
NOW AVAILABLE
See our website for full details

HELJAN CATFISH & DOGFISH
Catfish 9 Liveries
Dogfish 10 Liveries
RRP £109.00 OUR PRICE £97.50
AVAILABLE MID / LATE 2022

NEW HELJAN Mk2 / 2a COACHES
T.S.O. / F.K. / B.S.O. / B.F.K.
RRP £279.00 OUR PRICE £237.25
DUE FOR RELEASE LATE 2022
ADVANCE ORDERS WELCOME

HELJAN CLASS 45
Original all green livery
RRP £699.00 OUR PRICE £550.00
LAST FEW

NEW HELJAN CLASS 03
5 liveries available
Both numbered and un-numbered
List Price £399.00 OUR PRICE £335.75
NOW AVAILABLE

NEW HELJAN CLASS 33
Early and Late Versions
RRP £549.00 OUR PRICE £466.65
9 Liveries IN STOCK

NEW HELJAN CLASS 31
Limited Re-run 4 liveries remaining
RRP £549.00 OUR PRICE £466.65
LAST FEW

HELJAN CLASS 31/1 & 31/4
Various liveries
RRP £549.00 OUR PRICE £466.65
NOW AVAILABLE

HELJAN CLASS 35 HYMEK
Limited Re-run Four liveries planned
RRP £495.00 OUR PRICE £420.75
NOW AVAILABLE

HELJAN CLASS 55
10 Liveries Available
RRP £699.00 OUR PRICE £594.15
AVAILABLE 2023

NEW HELJAN CLASS 47
2 Versions, 1960/70s & 1980/90s
Eleven liveries planned
RRP £699.00 OUR PRICE £594.15
LAST FEW AVAILABLE

HELJAN CLASS 56
Total of 8 liveries
RRP £699.00 OUR PRICE £594.15
NOW AVAILABLE

HELJAN CLASS 40
CENTRE HEADCODE 5 liveries
RRP £549.00 OUR PRICE £466.65
NOW AVAILABLE

NEW HELJAN CLASS 17
Four liveries Available
RRP £549.00 OUR PRICE £466.65
NOW AVAILABLE

HELJAN DIESEL DEPOT
Two Road Shed **RRP £89.00 OUR PRICE £75.00**
Extension Pack **RRP £39.00 OUR PRICE £35.25**
Spare Ends (3) **RRP £19.00 OUR PRICE £16.00**
See website for details and sizes

HELJAN AC RAILBUS CLEARANCE
Dark green with yellow panel
List Price £495.00
SPECIAL OFFER £299.95

NEW HELJAN CLASS 50
Selling fast, 3 liveries available
RRP £699.00 OUR PRICE £594.15
NOW AVAILABLEÍ

HELJAN MK1 COACHES
6 Body Types in various liveries
RRP £219.00 OUR PRICE £186.15
GUV various liveries
RRP £199.00 OUR PRICE £169.15
NOW AVAILABLE

HELJAN CLASS 42 WARSHIP
8 Liveries Available
RRP £699.00 our price £550.00

OUR WEBSITE CONTAINS 4,000 IMAGES AND IS UPDATED SEVERAL TIMES A WEEK

TOWER MODELS, 44 Cookson St., Blackpool FY1 3ED
Email: sales@tower-models.com
TEL: 01253 623797 or 623799

TELEPHONE CREDIT CARD ORDERS WELCOME. WORLDWIDE MAIL ORDER
Visit our well stocked shop, 200 yards from Talbot Rd. Bus Station (Blackpool North Railway Station 400 yards). Open Mon to Sat 9.30 to 5.00
Visit our website: www.tower-models.com

POSTAGE CHARGES
Orders up to £35.00 plus £2.50 p&p.
Orders £35.01 to £150.00 plus £6.00 p&p.
ORDERS OVER £150.00 POST FREE
Overseas orders postage charged at cost.

All prices include VAT @ 20%.
We reserve the right to alter prices without notice.

RAILTRAIL

EUROPEAN STEAM TOURS

SPECTACULAR STEAM IN EUROPE

With travel restrictions being considerably eased we are delighted to invite you aboard our 2022 celebrated steam tours to Germany.

Please note: Tour Fares Are Guaranteed – No Currency Surcharge.

Northern Germany & Baltic Coast Steam Explorer

Fares From £1995

DEPARTS: Sunday 31 July 2022

9 DAYS

Our ever-popular tour of Northern Germany that includes the superb 'Molli' with the street running through the town of Bad Doberan and then runs to the Baltic seaside resort of Kühlungsborn. As ever we combine the tour to include the Rügen Island's 15 miles long 750 mm Rasender Roland line. We have also timed the tour to feature a visit to the standard gauge Bruchausen-Vilsen Railway Steam Festival. This great tour also includes steam on the rarely visited, by UK groups, standard gauge Jan Harpstedt line plus a vintage tram charter and a cruise on a steam boat!

Festive Steam in Saxony

Fares From £1629

DEPARTS: Wednesday 30 November 2022

7 DAYS

Enjoy the festive season with a Saxony Steam escorted rail holiday combining two fabulous mainline steam excursions, a steam hauled excursion from Dresden to the historic Polish city of Breslau (Wroclaw), three wonderful Saxon narrow-gauge steam lines and tours of Dresden Alstadt steam depot and the Transport Museum, as well as a visiting both Dresden and Leipzig traditional Christmas Markets where only local products manufactured in the region are sold.

Dresden Steam Festival & Saxon Narrow Gauge

Fares 8 Days From £1779

Fares 11 Days From £2079

DEPARTS: Tuesday 20 September 2022

8 OR 11 DAYS

Last autumn this fabulous and popular tour re-commenced our post Covid lockdown steam tours programme and was enjoyed by one and all. We now heartily invite you to join the 2022 departure of this spectacular tour. As always, we will be offering you both the shorter 8 day version, if your time is limited, or join the hugely enjoyable extended tour that is 11 days of steam magic that includes the truly unique Dresden Steam Festival. Both tours feature 4 mainline steam excursions and Saxon narrow gauge lines travelling across the rolling meadows of Saxony. The longer 11 day tour extension takes us to the high hills on a plethora of world famous Saxon Narrow-Gauge lines.

Black Forest New Year Steam Celebration

Fares From £1599

DEPARTS: Tuesday 27 December 2022

7 DAYS

Enjoy an extra special New Year tour steaming through glorious Black Forest scenery in its magical winter setting including three steam excursions. New Year's Eve and celebration meal will be spent in the stunning city of Freiburg as well as a tour of city at the 'Gateway to the Black Forest' by vintage tram. Thrilling excursions include steaming through the heart of the Black Forest on the Zollernbahn steam line. Spend an afternoon on the steam trains of the Schwarzwaldbahn between Triberg, St Georgen and Haslach plus enjoy a third celebration of Black Forest steam on the Three Lakes Line, climbing from Titisee lakeside to almost 1000m.

See more fantastic steam nostalgia included in our spectacular escorted tours to Switzerland, Austria, and France which can be viewed on our website at **www.railtrail.co.uk**.

RAILTRAIL... Big on quality, small enough to care

Platinum Trusted Service Award 2022 feefo

Save £10 per person on any tour!
Quote code MR010

www.railtrail.co.uk • 01538 382323

ATOL 9056 PROTECTED

WINNER SMALL BRITISH TRAVEL AWARDS 2020 BEST RAIL HOLIDAY COMPANY

Ellis Clark
TRAINS

Call Us!
01756 701 451

WANTED

INTERESTED IN SELLING ***YOUR*** COLLECTION?

WE TRAVEL & VIEW IN PERSON • FRIENDLY & PERSONAL APPROACH • SPECIALISTS IN *LARGE* COLLECTIONS

For over a decade, we have been purchasing model railways, die-cast & railwayana, including some of the largest single-owner collections the market has seen.

We usually operate by viewing & offering on collections in person, most often without the need for a list, however we are happy to make offers from lists.

I, Ellis, work on the basis of a friendly, professional & down-to-earth approach, purchasing all scales & eras, alongside Continental & American, with a specialised knowledge of 7mm finescale O gauge.

Please feel free to give us a call to discuss your needs

And in case you were wondering...
Albert is the dog.

CONTACT ELLIS... OR ALBERT

Get in touch!

ellisclarktrains.com

ellis@ellisclarktrains.com | 01756 701 451 | Unit 2, Toller Court, Shortbank Road, Skipton, BD23 2HG

GAUGEMASTER
Analogue Control

Choose your controller for life with the Gaugemaster Lifetime Guarantee...

We have been producing Model Railway Controllers for over forty years. Our analogue controllers have stood the test of time, and so has our **lifetime guarantee**:

"We undertake to replace, free of charge, any parts found defective within the lifetime of the unit providing that the item has not been tampered with."

What's the difference between the controller types?

Our **Mains Powered Cased Controllers** come complete with transformer, and can just be plugged in, connected to the track, and away you go. **Panel Mounted Controllers** require a separate transformer, and also need to be mounted onto a control panel to be used effectively.

We also produce various controllers with **Feedback** and **Simulation**, two effects controlled by the controller itself. **Feedback** senses the load on the circuit and helps maintain the locomotive at a steady speed up and down gradients. **Feedback** controllers are not suitable for use with locomotives with coreless motors. **Simulation** (also known as Inertia) allows a train to accelerate, coast, and be braked to a standstill, by use of a regulator and a brake.

MAINS POWERED CASED CONTROLLERS

GMC-COMBI Single Track Controller/Transformer
Most Suited for HO/OO/N Scale Layouts

Fantastic for small layouts or beginners upgrading a starter set, the Combi has both a 12V DC output to run one track, and a 16V AC output for accessories.

BEST FOR Beginners

GMC-D Twin Track Controller
Most Suited to HO/OO/N Scale Layouts

Our best selling controller. Runs a two track railway with minimum of fuss. The D Controller has two 12V DC track outputs, as well as a 16V AC output for accessories.

BEST FOR Twin Tracks

GMC-Q Four Track Controller
Most Suited to OO/HO/N Scale Layouts

The best selling four track controller available today. It offers impressive value for money with its four 12V DC track outputs, and two of 16V AC and 12V DC outputs for accessories.

BEST FOR Four Tracks

PANEL MOUNTED CONTROLLERS

GMC-100 Single Track Panel Controller
Most Suited to OO/HO/N/Z Scale Layouts

Some modellers may wish to incorporate their controller into an overall panel to control their layout. The Model 100 Controller has a single 12V DC output.

BEST FOR Control Panels

GMC-U Single Track Controller with Simulation
Most Suited to OO/HO/N/Z Scale Layouts

With the brake knob controlling the 12V DC track output, this controller allows you greater realismwhen running locomotives.

BEST FOR Realistic Running

GMC-W Single Track Walkabout Single Track Controller
Most Suited to OO/HO/N/Z Scale Layouts

Fitted with 1.5m of cable, this controller allows you the freedom to move around your layout while still controlling your layout. it has a single 12V DC track output.

BEST FOR Flexibility

Did you know...

*If you don't have a handy accessory output from a controller, the **GMC-WM1** Wall Mounted Transformer can be used on its own to power accessories, such as point motors and lights from the 16V output.*
Just plug it in and connect it up!

GMC-WM1
Wall Mounted Transformer
16V or 12V DC 1.1a

Find us on Facebook:
@Gaugemaster
Follow us on Twitter:
@Gaugemaster
Follow us on Instagram:
@gaugemaster_controls

PRICES

Cased Controllers

GMC-COMBI	Single Track Controller/Transformer	£47.50
GMC-100M	Single Track Controller	£120.00
GMC-100MO	Single Track Controller for O Scale	£125.00
GMC-10LGB	Single Track Controller for G Scale	£130.00
GMC-10LGB5F	Single Track Controller for G Scale with Fan	£220.00
GMC-P	Single Track Controller with Simulation	£130.00
GMC-D	Twin Track Controller	£130.00
GMC-DS	Twin Track Controller with Simulation	£205.00
GMC-TS	Three Track Controller with Simulation	£225.00
GMC-Q	Four Track Controller	£235.00

Panel Mounted Controllers (Orange text shows transformer required)

GMC-100	Single Track Controller (GMC-T1/M1)	£47.50
GMC-100.O	Single Track Controller for O Scale (GMC-T2/M2)	£52.50
GMC-U	Single Track Controller with Simulation (GMC-T1/M1/WM1)	£57.50
GMC-UF	Single Track Controller with Feedback (GMC-T1/M1/WM1)	£52.50
GMC-UO	Single Track Controller with Simulation for O (GMC-T2/M2)	£75.00
GMC-UD	Twin Track Controller (GMC-T1/M1/WM1)	£67.50
GMC-UDS	Twin Track Controller with Simulation (GMC-T1/M1/WM1)	£95.00
GMC-UQ	Four Track Controller (GMC-T1/M1/WM1)	£105.00

Walkabout and Hand Held Controllers
(All GMC-T1/M1/WM1)

GMC-W	Single Track Walkabout Controller	£42.50
GMC-HH	Single Track Handheld Controller with Feedback	£46.50

Transformers

GMC-M1	Cased Transformer 16V AC	£62.50
GMC-M2	Cased Transformer 18V AC 2.5V	£62.50
GMC-M3	Cased Transformer 24V AC	£62.50
GMC-M4	Cased Transformer 12V AC	£62.50
GMC-T1	Open Transformer 2x 16V AC 1a	£32.50
GMC-T2	Open Transformer 18V AC 2.5a	£32.50
GMC-T3	Open Transformer 24V AC	£32.50
GMC-T4	Open Transformer 2x 12V AC 1a	£32.50
GMC-WM1	Wall Mounted Transformer 16V or 12V DC 1.1a	£26.00
GMC-WM2	Wall Mounted Transformer 9v DC (1600mA) 1.6A	£21.00
GMC-WM3	Wall Mounted Transformer Kato Unitrack UK Power Supply	£21.00
GMC-WM4	Wall Mounted Transformer 12v DC Smoothed for Lighting	£21.00
GMTFK1	Transformer Fitting Kit for T1/T3/T4	£15.50
GMTFK2	Transformer Fitting Kit for T2	£15.50

See the **GM365** Gaugemaster Catalogue (£5.00) for more details

GAUGEMASTER products are available from your local model shop or, in case of difficulty, direct from ourselves
GAUGEMASTER Controls Ltd, Ford Road, Arundel, West Sussex, BN18 0BN, United Kingdom
E&OE tel - 01903 884488 fax - 01903 884377 email - sales@gaugemaster.com

www.gaugemaster.com

Stockists of Hornby, Dapol, Faller, Gaugemaster, Train-Tech, Javis, Expo, SuperQuick, Ancorton, and many more. Plus our exclusive own-brand products not available anywhere else!

hobby TRAX

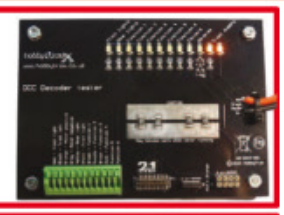
Innovators not imitators!

Secure online ordering
Friendly technical advice
Free postage over £100
No Highlands and Islands surcharge!
Please contact us first if paying by cheque or PO

Special Offer: Buy any 3 Hobby Trax own brand products and get 10% discount!!

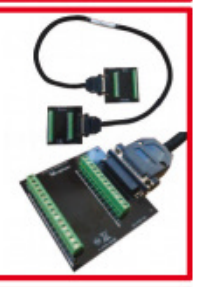
Online purchases only. Discount is automatically applied and cannot be used in conjunction with any other offer. All qualifying items must be purchased in a single transaction.

DCC Decoder Tester Just £24.95



With our brand new DCC decoder tester you can check all your DCC decoders before fitting them. Tests 6, 8 and 21 pin decoders up to 6 functions. Very easy to use, just clip to your track, plug in your decoder and control as normal. Clear LED indicators show the status of all functions, headlights, motor output etc. Full instructions included. Works with all DCC controllers!!

Cobra Cable baseboard wiring system



Building an exhibition layout? Then you need our Cobra Cable! Two terminal boards fit either side of a baseboard joint and our ingenious cable connects the two. Unlike off-the-shelf cables we make ours from 16/02 cable capable of carrying 3A per terminal meaning it can carry all your electrical signals across a baseboard joint including **point motor wiring** and **DCC bus** connections. When it's time to dismantle, simply unplug the cable at either end. Comes as a complete kit with two easy wire terminal boards, 1m Cobra Cable and full instructions.
9 way £22.95 15 way £26.95 25 way £36.95

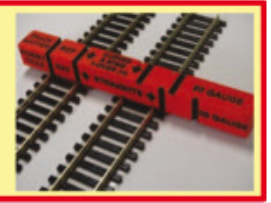
Warm white 12VDC LED modules

Our own design! These tiny 12V LED modules easily fit inside a building and create a warm white glow to simulate incandescent bulbs. Simply connect to any 12VDC supply or our 12VDC distribution board.
Just **£2.99 each** or **£9.99 for a pack of 10**.
Also available in modern cool white.

LOCO GO! - Wheel AND pickup cleaner - 200ml just £6.99

J-J-J-Juddering L-L-L-Loco? You need new Loco Go! from Hobby Trax. Most wheel cleaners only clean the running surfaces of the wheels. Our spray formula cleans the wheels and pickups. Simply spray on and see the difference! For all DC and DCC locos.

NEW PRODUCT – Track Gapper 00 gauge



Struggling to lay tracks side-by-side so coaches don't crash into each other on curves? Try our new Track Gapper! This handy tool is used to space tracks next to each other on curves or straights. Correctly spaces for curves, cross-overs, fiddle yards and straight tracks. Simply use the grooves on the tool to lay your tracks. An ideal tool for every modeller – just **£9.99**

ANNOUNCING THE EYE-CHOO CAMERA WAGON!

Ideal for YouTube

Ever wondered what your layout looks like from the drivers eye view? Well now you can film it using our brand new camera wagon! Simply couple our wagon to the front of your loco, press the record button and send it round your track. Our camera will record the view for you to play back on your computer. You can edit your footage for use on YouTube. It even records sounds too, so use a sound equipped loco for even more realism. Records at full 1080p at 30fps. Comes complete with camera wagon, SD Card, USB cable and full instructions.
00 Gauge only. For DC & DCC. **Only £89.95**

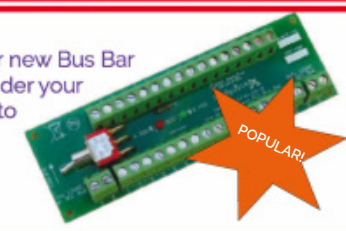
Hobby Trax Scenic range

We have a rapidly expanding range of scenery products covering all seasons and gauges! Ballast from £7.99 per kg. Huge 50g lichen bag £4.99.
Coal (various grades) 250g £2.99 All very clean and not dusty!

NEW PRODUCT – Light upgrades for Hornby Intercity 125

We have developed a new range of products to improve the lighting on the original Hornby Intercity 125's. Fix those faulty lights with our new kit comprising new brighter bulbs and reflective foil to remove the light spill around the drivers cab window. Supplied with detailed fitting instructions **Just £2.95**
Now available LED version with red and white LED's changing according to the direction of travel. Works with both DC and DCC! **Just £10.95 per pair.** Full instructions supplied.

DC and DCC Bus Bar with isolate function



Struggling to wire bus connections under your layout? Our new Bus Bar makes it easy! For DCC use simply fit one of our boards under your layout every few feet or so and connect all your droppers to the nearest board. 16 easy screw terminals give up to 5A per board. Got a short circuit somewhere? Use the unique isolate function to help you find out where.
Also ideal for DC use to split a PSU output. **£5.95 each**

Cable and wire – huge stocks on our website

Lowest price!

Bk Bn Rd Or Yw Gn Bl Vi Gy Wt Pk
Bi-colours available (7/02 **and now 16/02**)
Rd-Bl Rd-Bn Gy-Bl Wt-Rd Rd-Bk Yw-Bk Or-Bk
Wt-Bk Gy-Bk Or-Rd Pk-Bk Yw-Gn Rd-Gn
Vi-Rd Gn-Rd Yw-Rd Gn-Yw

	10m / 100m
5/01 ultra-fine cable for wiring models etc	£4.95 / N/A
7/02 cable 1.4A for lighting	£1.40 / £9.99
16/02 cable 3A for points & DCC	£2.10 / £18.99
24/02 cable 5A for longer runs	£2.70 / £21.99
32/02 cable 6A for really large layouts!	£3.45 / N/A
6 core 7/02 cable	£3.75 / £24.99
12 core 7/02 cable	£6.45 / £42.99
Twin cable (red and black together) ideal for DCC bus and power feeds. 14/02 (3A) or 24/02 (5A) 10m lengths	£3.96 / £4.95
Roll end remnants – A mixed pack of at least 50m of wire	£5.99

Magnetic corner clamps (Sm, Md, Lg) £6.99, £7.99, £8.99
Tyson CDU (std/xtra) £10.95 / £14.95

SPECIAL PRICE DCC Controllers

NCE Power Cab UK Starter set **£179.95**
Now with free programming track switch!
Hobby Trax DCC Controller *(Shush it's a secret!)*

NCE CONTROLLER CADDY

P&D Marsh *pre-painted and ready assembled*
Prices are for 00 gauge, most available in N gauge too!

Rowing boat £10.40
Firemen 1970/80's £11.00
Newspaper seller £7.90
4x park benches £7.90
Postman, box and bike £9.20
8x dustbins £8.80

New from Hobby Trax: NCE Programming track switch

Like the NCE PowerCab controller but wish it had a programming track? Well now you can add one! Simply connect our switch unit and have a dedicated programming track. Also features a unique isolate function to switch everything off to allow you to work on any part of your layout. Very simple plug-and-play installation, no soldering required. Full instructions included, fits to all existing set-ups. **Just £12.99**

We include one FREE with every NCE controller we sell!!

HORNBY

Hornby set track – all parts available

R600 / R601 straights £2.30/£2.75
R602 Analogue power clip £2.95
R603 long straight £4.79
R606 2nd radius curve £1.80
R609 3rd radius curve £2.70
R636 Double track crossing £30.95
R910 Fishplates (12pk) £3.19
R920 Insulated fishplates (12pk) £2.39
R8008 Grand suspension bridge £42.95
R8072 / R8073 Std points £11.45
R8076 Y point £14.95
R8077 / R8078 Express point £17.99

NEW - DCC Decoder Putty Just £2.59

What is it? It's a high strength black putty that holds decoders in place. Supplied as a 20cm length enough for 20-30 decoders

SuperQuick kits – full range on our website

A1 – Station platform	£6.99
A5 – Two road loco shed	£10.99

NEW SERVICE – Want it ready-built? Due to growing demand we have now hired a full-time cardboard construction engineer (yes it's a real job!) and we will now build ANY SuperQuick kit to professional standards for just £20. Search our website for "SuperQuick Ready Built"

Second hand treasures!

In response to requests we will be listing a selection of second hand items in our adverts. Our second hand items sell quickly but we will do our best to ensure these are available at the time of publication. Be quick if you see something you like as it won't be around for long!

R2888M Kingfisher Train Pack £260
R836 Coronation Scot train set £185
R696 Intercity 225 train set £100
R1136 Yorkshire Pullman train set £170
R869 Flying Scotsman train set £100
Coaches and wagons from £5.00
We also buy second hand items – call us for more details!
Wherever possible we test the items and describe them as accurately as possible.

New Product – Replacement DCC Controller cables

We now offer a range of replacement cables of various lengths for Gaugemaster and NCE controllers.
Prices from just £5.

BOOKS BOOKS BOOKS BOOKS!!!

We have also recently taken delivery of a huge selection of railway books. Mostly hardback covering live steam, many rare and out of print books all in great condition. Please see our website for a full list. Prices from just £1 each!

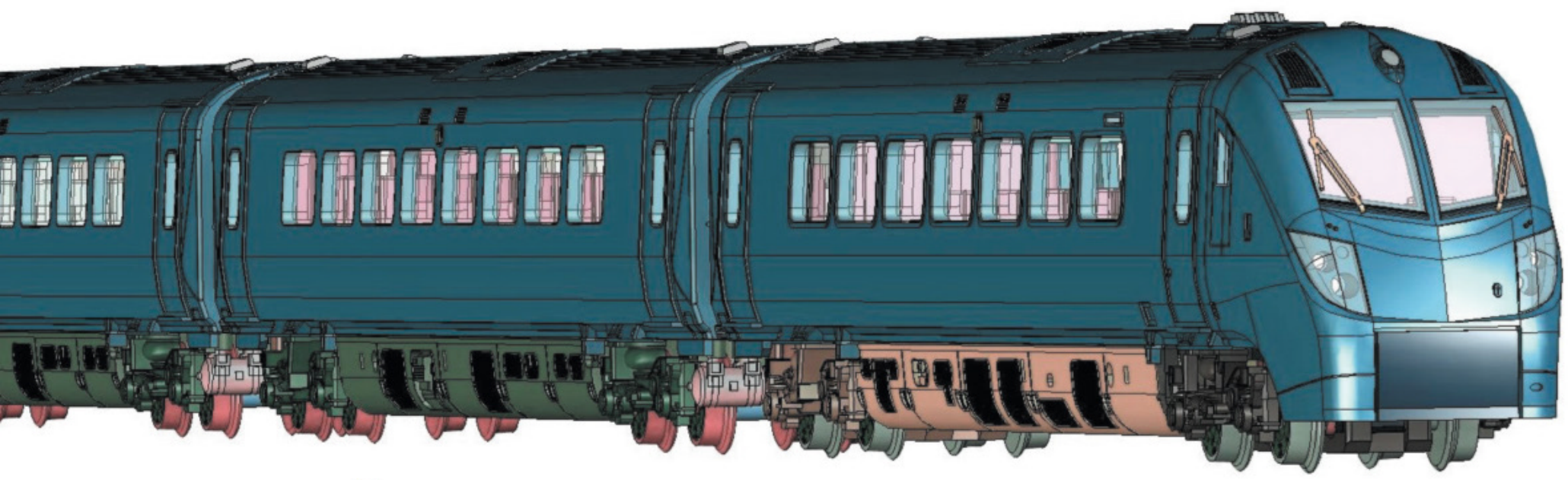
ebay
Just need a single item? Try our eBay shop where all products include postage!
www.ebay.co.uk/str/hobbytrax

"The biggest model shop in Lochgilphead!"

Did you know?

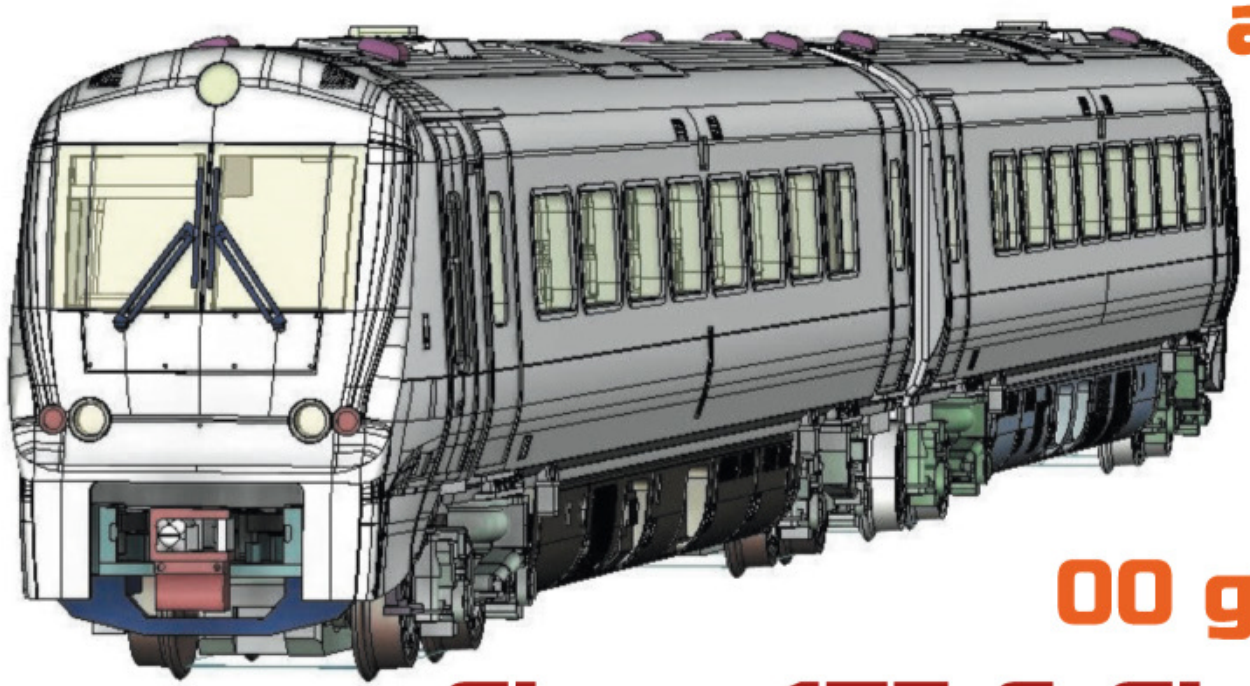
Hall Class locomotive "St. Martin" was built in December 1924 and withdrawn from service in April 1959. During this time it had two running numbers 2925 and 4900 and had clocked up over 2,092,500 miles!

www.hobbytrax.co.uk 0345 065 4472
Hobby Trax, Ford, Lochgilphead, PA31 8RJ
Telephone lines open 9-5 Mon-Fri. Please call for shop opening times.



Anyone for an Adelante...

...or craving a Coradia?



N Gauge CADs shown

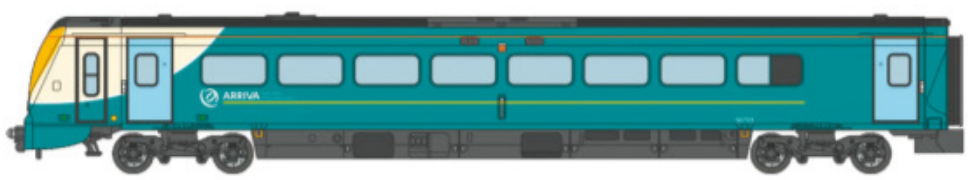
MODEL RAIL MODEL OF THE YEAR 2021

N Gauge Manufacturer of the Year 2021

OO gauge & N gauge

Class 175 & Class 180 units

- *Coming soon from Revolution Trains: Full 2, 3 or 5 car trains in 00 and N*
- *Accurately modelled using 2D and 3D data provided by the original makers*
- *Order book opening soon with limited-time **Earlybird** discounts*
- *A selection of liveries is shown below - see our website for more information*



Other liveries will be offered

www.revolutiontrains.com

Remember you can save £££s by pre-ordering!

Revolution trains

Follow us for updates: Revolution Trains | Revolution Trains | @baby_pendo

THE BLUEBELL RAILWAY

MODEL RAILWAY WEEKEND

2nd - 3rd July

Sheffield Park Station & Horsted Keynes Station

Layouts in all Scales · Trade Stands · Live Steam Trains all weekend

Expect an array of tiny worlds, brought to life by the steam and diesel locomotives that wind their way along the tracks. We have a great selection of Model Railways featuring including N, O, double O gauge and gauge 1 layouts from across the country, displayed in the Locomotive Maintenance Shed at Sheffield Park Station and the Carriage and Wagon Workshop at Horsted Keynes Station, usually not open to the public.

Alongside the displays will be trade stands offering a variety of modelling products including engines, rolling stock, and local produce. You can also visit our railway shop at Sheffield Park where we have a great selection of models, accessories and other products available from beginners sets to full layouts.

We will also be running a steam hauled service from Sheffield Park to East Grinstead Stations all weekend.

Book online at:

WWW.BLUEBELL-RAILWAY.COM

WOODLAND SCENICS · dapol · PECO · HELJAN · OXFORD RAIL · GRAHAM FARISH

Illustrated Catalogues Including Post
OO, OO9 (1/76th) . Full Colour £7.00
N (1/148th)..... Full Colour £6.00
O (1/43rd)..... Full Colour £5.00

Mail Order By Return P+P £4, over £50 Post Free. Unpainted metal kits-glue with epoxy glue (£7.00)

LANGLEY MODELS

166 Three Bridges Road, Crawley, Sussex, RH10 1LE
Tel 01293 516329 www.langleymodels.co.uk

OO SCALE
Leyland Freighter Skip Lorry £40.70, Pub Benches and Parasols £5.85 hundreds of other kits are in our OO

00 ladders	£6.05	Painted Vic/Edw railway/platform Figuresx10 items	£28.70
pendant Wall Lamps x 4	£6.85	Painted Vic/Edw Upper Class 10 figures	£28.70
square Wall Lamps x 4	£6.85	Painted Vic/Edw Working Class 10 Figures	£28.70
Octagonal Wall Lamps x 4	£6.85	Painted Vic/Edw Seated 10 figures	£28.70
Ornate octagonal Street Lamp	£6.00	Painted 3 different Victorian Pillar Boxes	£8.90
Square street lamps x 4	£6.85	Painted Marching Guards	£28.70
Square twisted post station Lamps x 4	£6.85	Painted Rustic Bus Shelter and Stop	£16.20
4 LNWR Station Lamps(Straight Post)	£6.85	Painted Modern Bus Shelter & Stop	£12.15
4 LNWR Station Lamps(Tapered Post)	£6.85	Painted 3 Modern Pillar Boxes	£8.40
Twisted swan neck pendant Lamps x 4	£6.85	Painted Horse Trough	£7.40
Station canopy hanging lamps x 5	£6.85	Painted 2 x Village Water Pumps	£6.85
Octagonal twisted post station lamp x4	£6.85	Painted Single Head Traffic Light	£7.45
Large 'gibbet' Loading Crane	£14.30	Painted Twin Head Traffic Light	£7.75
8 assorted Sacks	£5.45	Painted Police Telephone box (resin)	£16.40
6 Working figures - set 1	£6.25	Painted Hunt Scene 2 mounted riders	£11.55
6 Working figures - set 2	£6.25	Painted Hunt Scene 6 Assorted Hounds	£10.30
6 Wharfside figures	£6.25	Painted Cricket Game 15 figs	£38.65
4 large Oak Barrels	£5.70	Painted cricket Sight Screen	£17.60
6 Aluminium Beer Barrels	£5.45	Painted Cricket Score Board	£10.00
2 large Wooden Packing Cases	£5.85	Painted 6 x Seated Cricket Figs waiting to play	£16.20
Lifebelts & stands	£5.50	Painted Morris Dancers	£30.90
Bath tub, mangle & bucket	£5.50	Painted Loco Spotters (3) & 8 Kids	£30.90
Rabbit hutch & coal bunker	£5.50	Painted Lych Gate	£15.15
Sundial, birdbath & 2 flower urns	£5.05	Painted Church Notice Board & Crucifix	£12.20
Mower, roller, wheelbarrow & seed trays	£5.50	Painted War Memorial	£12.20
Water butt & 5 tubs with flowers	£5.50	Painted Gardeners (4 figs and equipment)	£14.85
3 assorted Name/sign boards	£5.50	Painted Blacksmith and equipment	£44.75
8 assorted Milk Churns	£5.25	Painted 4 Soldiers Marching	£11.30
6 Oil drums	£5.25	Painted 1 Officer for Above	£3.20
Gantry Hoist	£16.50	Painted 1 Mounted Officer	£6.40

Canal Waterways boats & Gates £26.85

Childrens Playground £10.50

In N scale see our colour catalogue

2 Relaxed Loco Crew	£2.10	Painted Loading Gauge	£6.40
5 x Gardeners & Equipment	£5.70	Painted 2 x Station Seats with 2 figures	£6.40
Flower pots and tubs & gardening equip	£6.00	Painted Yard Crane	£8.70
7 x Figures in working poses	£5.70	Painted Crossing Gates (4)	£10.20
9 x Ass Standing Station figures	£5.90	Painted Single Crossing Gates (2)	£8.15
Gantry Hoist	£6.25	Painted Telephone box x 1	£5.25
New Gibbet Crane (wall or floor mounted)	£5.30	Painted Pillar Boxes 2 off	£5.25
Air Compressor and Electricity Generator	£7.60	Painted Single head Traffic Light x 4	£8.30
4 pallets & hydraulic pallet truck	£5.05	Painted Twin head Traffic Light x 4	£8.40
Beehives and bee-keepers	£5.30	Painted Police Telephone box	£6.40
6 Bulk Building Bags	£4.50	Painted AA Box	£6.40
Band Stand	£11.30	Painted Bus Shelter and Bus Stop	£9.00
Air Conditioning Cabinets (2 wall, 4 floor)	£4.10	Painted 5 Ass Farm Figures	£12.50
6 Assorted Rock Climbers	£5.65	Painted Ballast Boxes (two wooden boxes)	£6.60
4 Assorted Highland Cattle	£5.20	Painted trackside relay boxes	£6.50
6 Assorted Firemen in action poses	£5.45	Painted War Memorial	£7.35
6 Trawlermen/Fisherman Figures	£5.20	Painted 2 Plain Horses (unharnessed)	£7.20
3 Assorted Donkeys (unharnessed)	£4.40	Painted Loco Crew	£4.80
3 Beach Donkeys and Children	£5.20	Painted Swans & Ducks x 4 each	£7.75
Beach Set (figures and equipment)	£6.60	Painted Washing Line & Figure	£8.50
8 Guards Marching	£5.90	Painted Wild Animals	£8.40
Guards Colour Party (flags) (5 figs)	£4.50	Painted Assorted Seagulls x 8	£7.90
Guards Marching Band	£6.40	Painted Dogs 6 off	£7.75
Cub/Scout Camp Set	£6.60	Painted 6 x Pigs	£7.35
6 Assorted Cats	£3.65	Painted Sheep 8 off	£7.90
2 x Pub Table/bench (real wood)	£4.50	Painted Chickens 10 off	£7.90
Church Stained Glass Windows / Spire	£7.45	Painted Funeral Scene	£11.20
6 Seated Passengers / Figures. Set 1	£4.90	Painted Wedding Scene	£21.85
6 Seated Passengers / Figures Set 2	£4.90	Painted Cricket Game	£32.20
		Painted Church Notice board & crucifix	£9.00

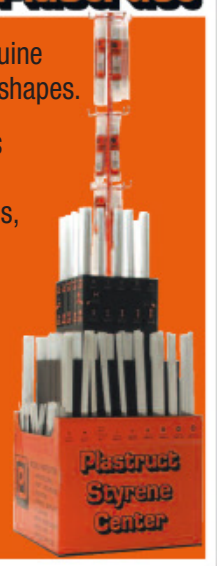
Plastruct Plastruct Plastruct

Please ask your model shop for genuine Plastruct fineline Styrene structural shapes.

Range contains over 70 shapes including; Angles, I-Beams, Channels, Columns, Deep Channels, Tees and Z Sections, Round, Rectangular and Square Tubing, Plastic Strips and Sheeting, Scale Ladders, Stairs and Railings, Open Web Trusses.

Essential for all scratch model makers.

www.plastruct.co.uk



RON LINES

Large stocks of pre-owned railways a selection of which is on our website.

We stock new Hornby, Bachmann, Graham Farish, PECO, Expo tools, Electrical components & much more.

We also purchase your unwanted railways, whether it's a single item or collection, anything considered.

Whether you're a novice or an expert we are always happy to help! So why not visit us today or give us a ring!

Tel: 02380 772 681 **www.ronlines.com**
342 Shirley Road. Southampton. SO15 3HJ
Open Mon-Sat 11am - 4pm

We search the prices, you get covered

CHEAPEST PRICE GUARANTEE
WE'LL BEAT YOUR CHEAPEST QUOTE*

Visit mustard.co.uk

Experts in insurance comparison

REVIEWS.io ★★★★½ As of May 2020

mustard.co.uk or call 0330 022 9940

mustard.co.uk is a trading name of H Bauer Publishing which for general insurance distribution is an Appointed Representative of Vast Visibility Limited, 8 Princes Parade, Liverpool, L3 1DL, which is authorised and regulated by the Financial Conduct Authority under Firm Reference Number 566973. You can check these details on the FCA Register. *For full T's & C's go to mustard.co.uk

DCC end of line Bus Termination Filter £3.48 / Pair

No Solder DCC endo of line termination boards to connect to the each end of the DCC Buz line. Helps to reduce spikes on the Buz lines and provide a cleaner DCC signal to the Decoders. Helps to prolong the life of decoders especially when there is a short on the track or Buz line.

Cable from £9.52 for 7/02 x 100M

12V 3A PSU £17.62

Power accessories available for distbution and ease of install

ExpressNet / Loconet Extension cables Starting from £1.21

Guagemaster Prodigy extension cables also available

Visit us today, webshop open 24/7. Can't find what you are looking for? then email or call...

www.modelrailelectrics.co.uk

Capacitor Discharge Unit

£13.80

Model Rail Electrics

01622 535931

Just a sample of our range of products. please visit our online shop to see the full range.

mail@modelrailelectrics.co.uk

PayPal

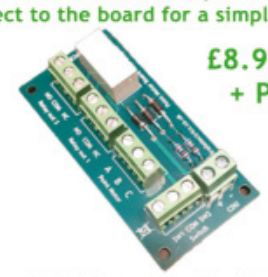
MasterCard VISA DISCOVER AMERICAN EXPRESS

stripe

Point Motor Board with 2 outputs

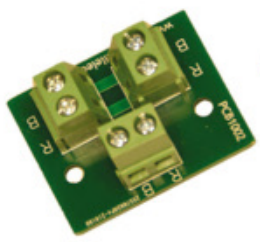
Connect the Point Motor, CDU & switch direct to the board for a simple install

£8.93 each + Postage



Our new Point Motor Board with 2 outputs to make wiring up motor points easier. Has 2 latching outputs that can be used for switching signals or panel lights to show which direction the points are set. Also the outputs can be used for switchig the polarity of the Frog on the points.

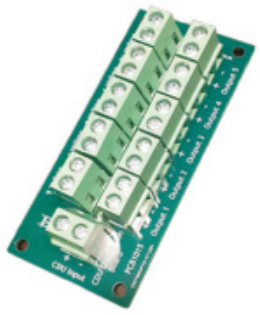
Track dropper connection board



£2.18 each or £19.98 for 10

A handy little connection board for connecting the main track power circuit bus line to a track connection dropper. just simply join your connections together, fix to the underside of the base board, then connect to the next board. Can also be used as the main feed connector, just put the track feed to where the Dropper is connected to instead. Rated at 10Amps, this will provide plenty of power to your layout.

CDU Distribution Board

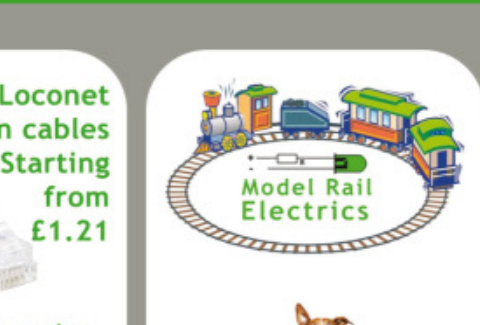


£5.16 each + Postage

The CDU Distribution Board allows for 1 CDU input which provides 10 outputs to wire to point Motors. Can be used in conjunction with the point Motor Board. Makes wiring easier and tidy for conecting up the point motors and switches.

MegaPoints Controllers

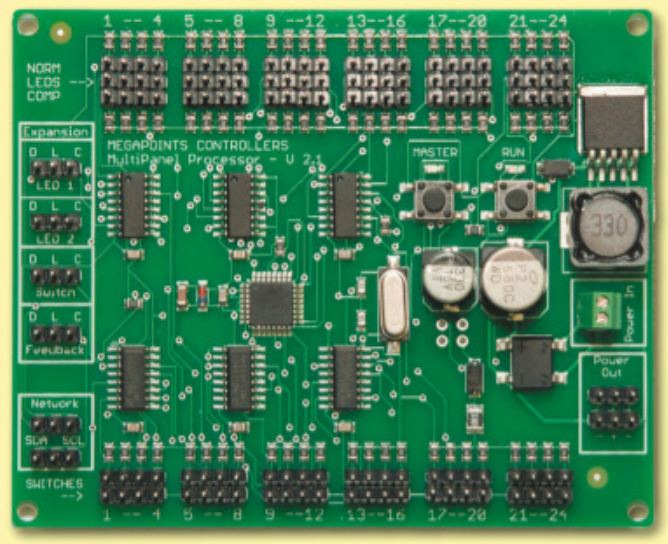
Awesome layout control system



Your bespoke mimic panel

Control your model railway from one or more tactile control panels
- NO SOLDERING! ***It's all plug and play!*** ✓
- Only uses a single cable between each control board.
- Includes ***feedback channel display*** option for:-
  - Block & section track occupancy ✓
  - Points position indication ✓
- Optional ***bespoke professional mimic panel design*** and build.
- Control servos, traditional solenoids, stall motors and relays.
- Works with ***analogue and digital*** layouts.

See website videos and product pages for more information.
Our single MultiPanel control board does it all!



Size 8cm x 10cm

A single cable connects each control board together and operates in BOTH directions for feedback display.

Plug-and-play, NO Soldering for control panel hookup. Cables and buttons available pre-wired with plugs attached. See our new website for details.

1. Plug in LED cables
2. Plug in switch cables
3. Connect to control boards
4. Press buttons, start using!

Designed and built in Great Britain

Web & details: megapointscontrollers.com

Rev 17-03

Trains4U.com

27 St. David's Square, Fengate, Peterborough, PE1 5QA

Open Tuesday - Saturday 10:00-5:00, Sunday 10:30–3:30, closed Monday

OO Gauge BBA/BLA Steel Wagons
IN STOCK NOW!

Produced by CAVALEX Models

Coming soon...

Produced by CAVALEX Models

OO Gauge Class 56

OO Gauge HAA/CDA Hoppers

Available to pre-order now from our website.
(No payment or deposit required)

TRAINS4U EXCLUSIVE – OO Gauge MOD KFA / PFB WARFLAT

IN STOCK NOW!

£35.00 each

Features:
- Close coupling mechanism
- NEM coupling pockets
- Sprung buffers
- Detailed underframe
- Zinc alloy frame
- Convertible to P4/EM

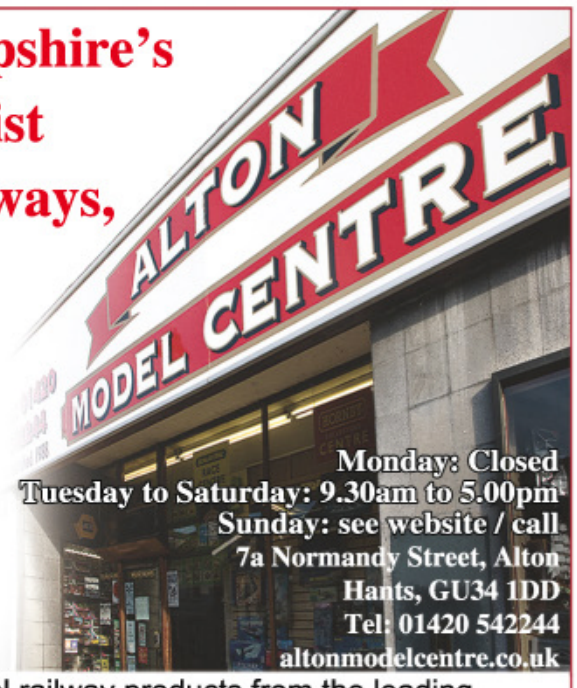
PFB, Green with green bufferbeams & jacks
Suitable for 1976 to mid 1990s

KFA, Green with yellow bufferbeams & jacks
Suitable for late 1990s to present day

Produced by CAVALEX Models

Tel: 01733 895989 e-mail: Trains4U@BTConnect.com

Possibly Hampshire's Largest Stockist of Model Railways, Die-Cast, Books, Magazines, Scalextric and much more.



Monday: Closed
Tuesday to Saturday: 9.30am to 5.00pm
Sunday: see website / call
7a Normandy Street, Alton
Hants, GU34 1DD
Tel: 01420 542244
altonmodelcentre.co.uk

Full range of model railway products from the leading manufacturers including:

Hornby, Bachmann, Dapol, EFE Rail, Graham Farish, Heljan, Oxford Rail, Peco, Ratio, Wills, Superquick, Metcalfe, Gaugemaster, Parkside, Railmatch, Woodland Scenics and many, many more.

DCC equipment from DCC Concepts, ESU, Gaugemaster, Hornby and Bachmann. Sound decoders from South West Digital.

Modelling materials & tools including Vallejo Model Colour AK pigments and washes, MIG Primer, Varnish & Weathering Products

Wide selection of books & magazines.

accurascale OFFICIAL STOCKIST

ZIMO

C&M Models

'N' Gauge Class 156 ScotRail 'Saltire' Livery

NOW AVAILABLE

PRICE: £150.00, plus postage

Via Website: https://candmmodels.co.uk
Via e-mail: sales@candmmodels.co.uk
Phone: 01228 514 689 (Tues to Sat. 10.00 > 16.30)
1 Crosby Street, Carlisle CA1 1DQ

55H

FOR MODELLERS WHO REQUIRE QUALITY, ACCURACY, PERFORMANCE & DURABILITY

The new name in brass O gauge RTR locomotives, built to the highest standards

Fully finished by SAM Models in Korea after extensive UK research, design and development.

www.55H.co.uk
www.finescalebrass.co.uk

SPECIAL OFFER!!!

FREE whilst stocks last - a fully finished *Terrier* or *J50* with any purchase of Britannia & Duke of Gloucester models.
See website for details

55H Unit 3 Fulford Business Centre,
35 Hospital Fields Road, York YO10 4DZ
Tel: **01132 761759 / John@55h.co.uk**

55H is a TRADING NAME of FINESCALEBRASS

NEW MODELS IN PRODUCTION

BR Standard 5MT (incl Caprotti version)
BR Standard 4MT 2-6-0 & 4-6-0

PRE-ORDER PRICES: **£2750.00** *DC* **£3150.00** *DCC & sound* **£3350.00** *DCC, sound & sync smoke*

AVAILABLE MID 2022 **NUMBERS ARE LIMITED** – Call now to reserve the number/version required

Build: Roger Scanlon
Painted: Paul Moore
For illustration purposes only

LIMITED STOCK!!

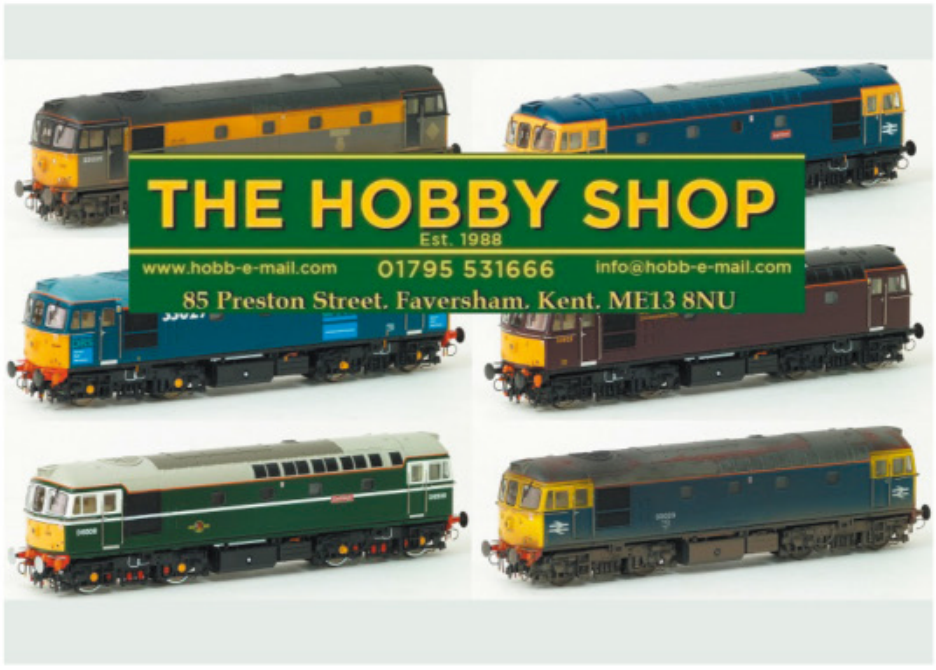
8P "Duke of Gloucester" choice of era's. Fully factory finished and tested ready to run on delivery.

£2800.00 *DC*
£3200.00 *DCC & sound*
£3450.00 *DCC, sound & sync smoke*

LIMITED STOCK!!

7MT "Britannia" class choice of names & tender. Fully factory finished and tested ready to run on delivery.

£2750.00 *DC*
£3150.00 *DCC & sound*
£3350.00 *DCC, sound & sync smoke*



1990s Pedestrian Figures
Available in N, TT, OO & O Scale
from £4.99 each

WWW.SMARTMODELS.CO.UK
Download and Print Building Kits

Fully tested and guaranteed for 5 years

MORLEY CONTROLLERS

60 Years BTVR ESTABLISHED 1959

Experience the ultimate in controller technology!

VANGUARD ZERO ONE — **£140** PLUS £6.90 P&P
- 2 x 5mtr hand held controllers
- 1 x 12V DC accessory
- O gauge
- 2.5 amp per track
- Twin track

VESTA ZERO TWO — **£85** PLUS £4.90 P&P
- 2 x 2.5mtr hand held controllers
- 1 x 12V DC accessory
- N gauge
- Twin track
- **'Crawler'** model available **£89** PLUS £4.90 P&P

VECTOR ZERO THREE — **£85** PLUS £4.90 P&P
- 2 x 2.5mtr hand held controllers
- 1 x 12V DC accessory
- OO/HO/N/OO9 gauge (1 amp per track)
- Twin track

VECTOR ZERO THREE 'CRAWLER' — **£89** PLUS £4.80 P&P
- Perfect companion for all the small shunter type locomotives being manufactured
- Slowest speeds ever plus all the benefits of the Vector Zero Three.

VORTRAK ZERO TEN — **£158** PLUS £6.90 P&P
- 2 x 5mtr hand held controllers
- OO/HO/N/OO9 gauge (1 amp per track)
- 2 x 12V DC accessories
- Four track
- **'Crawler'** model available **£162** PLUS £6.90 P&P

Each controller has state-of-the-art design, offering very best performance capability. Slow and fast speeds are superb. Internal seperate transformers for each track from 220/240 AC mains.

CDU FOR POINT MOTORS ON-BOARD

Our controllers do not have any type of feedback and not PWM therefore fully suitable for all coreless motors.

www.morleycontrollers.com
(Secure order site)
Email: jet@morleycontrollers.com
Tel: 01704 533 116
PO Box 501, Southport, PR9 9ZL

worldpay VISA

Made in the UK

Sig-naTrak®
Model railway electronics by *GFB Designs*

Our popular DCC controller - getting even better!

- The ACE is being re-designed, with a larger 7inch screen and enhanced features.
- Continued support for the ACE-2.

The ACE is currently out of production, but we will keep you informed regarding progress on the development of the ACE-3. We would like to thank all our customers for their patience - the global shortage of electronic parts is still affecting all manufacturers. However, we are moving forward and 2022 is becoming an exciting year!!

The ACE-3 (DCS2044-3) £TBA
NMRA-compliant DCC controller with full decoder programming and reading.
Compact: only 220x150x45mm!
Computer control, XpressNet & LocoNet(R) planned - user upgradable!

NEW!!

DAC22 8-channel DCC Acessory Decoder £32.00

- Drives all types of point motor.
- Independent output addresses.
- Built-in CDU
- Voltage booster for solenoids.
- LocoNet interface.

The *DRIVER* (BHS1204) *ACE* Handset.

See website or send large-letter SAE for more details. (prices inc. VAT, p+p extra)
***GFB Designs* - WE put YOU in control!**

Layout control modules - DCC or LocoNet(TM)

DAC22 Eight-channel Accessory Decoder. £79.00
SIGM20 Colour-light Signal Controller - 6 or 8 outputs. £54.00
DTM30 Digital Tower Master - 30 inputs & outputs. £63.00
DSS1 Loco Shuttle - automatic train running sequences. £60.00
MSC8 Scenery Animator - control lights, motors & servos. £30.00

13 Hooper Close, Dunswell, Hull, HU6 9FG
Tel: 07968 057919
(Sorry - no callers.)
Email: info@signatrak.co.uk; Web: www.signatrak.co.uk

HOWES MODELS LTD
75+!
1939-2019

UNIT 16B, STATION FIELD INDUSTRIAL ESTATE, ROWLES WAY, KIDLINGTON, OXFORD OX5 1JD
01865 848000, Open 08:00-16:00 Mon-Fri; Sat 09.00 to 16.00

HOWES THIS FOR SOUND!

PROBABLY THE BEST AVAILABLE
AND NOW THE BEST FOR LESS
NEW LOW PRICE £109.99!

Hundreds of hours have been invested by our experts to ensure you receive what we believe to be the best UK sounds available. We can supply ESU Loksound decoders with our sound files and can also re-blow your ESU LOKSOUND decoders if you are unhappy with the sounds on them – our 're-blow' service is only £12.00 plus return courier charge.

These are the latest LOK SOUND 5 decoders!

BR diesels, electrics, multiple units & steam – huge choice – just visit us on-line to see our full selection!

Sound decoder with speaker - **£109.99** for ESU/Howes V5.0 plus £6.50 delivery (UK).

Please remember that we offer a decoder fitting service, please phone for more details.

All our sounds can be offered for'O' gauge models but *may* require a different decoder, depending on current draw - please phone for details.

ESU/Howes **XL** decoders for all **Heljan 'O' diesels**; are available at £219.99 inc speaker.

www.howesmodels.co.uk

Visit ➔ Scalescenes.com
Download ➔ Print ➔ Build
The home of quality downloadable card model railway kits since 2005
Card kits that pass closer inspection

NEW
Low Relief
Railway Works
Fiddle yard entry, train storage or backscene
Build to any length for ONLY £4.99
Buy once unlimited prints
View our large range of N and OO kits and texture sheets
scale scenes .com

TOWNSTREET
From the stonecast range that brings realism to your layout.
MODEL ARCHITECTURE AT ITS FINEST
NEW "OO" GWR COALING STAGE £67.50

A selection of our kits include:

Citadel Station	£97.50
North Light Engine Shed	£69.50
LNWR 'Coal Hole'	£55.00
Large Signal Box	£52.00
Concrete Ash Plant	£69.50
Concrete Coaling Plant	£69.50
Louvre Roof Engine Shed	£69.50
Stone Stations	from £49.50
Brick Station	from £39.50
Brick/Stone Water Tower	£22.50
Brick/Stone Goods Shed	£49.50
Brick/Stone Engine Shed	from £43.50
Brick/Stone Signal Box	from £39.50
Sand House	£36.50

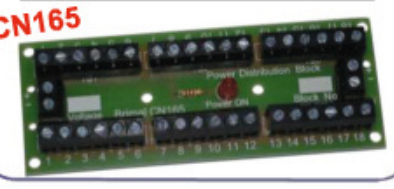
PLEASE ADD £4.60 P&P

60 page "OO" catalogue. Full of buildings, bridges, platforms and ideas for your layout £3.80 post free.

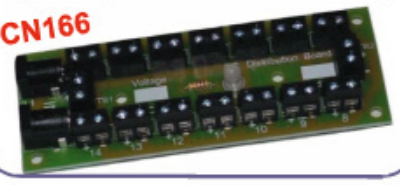
TOWNSTREET
6 KIRKHILL, BLENCARN,
Nr. PENRITH, CUMBIA CA10 1TZ
MAIL ORDER ONLY PLEASE
MON TO FRI 2-8pm
Tel: 01768 88456
See our new website which details all of our products
www.townstreetuk.co.uk

BCL Brimal Components ltd
brimal.co.uk
Sales 01429 297277
Just a small selection from our Catalogue of over 1000 items....See them all on brimal.co.uk or phone 01429297277 for a FREE catalogue

Power Distribution Board
CN165

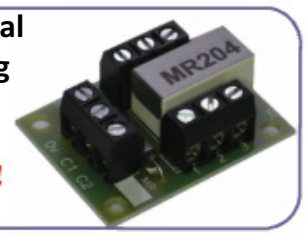


14 way Distribution Board
CN166



6 x 3way Screw Terminal Junction
MR230

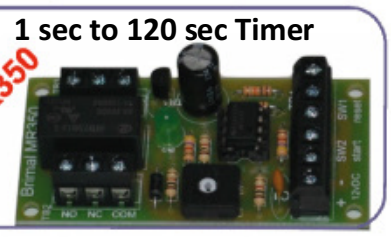
Universal Latching Relay
MR204



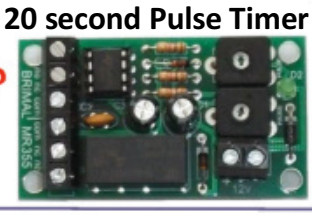
Simulated Long Tunnel
MR353

Automatic 3 Aspect Signal
MR371

1 sec to 120 sec Timer
MR350



1 to 20 second Pulse Timer
MR355



We have over 100 specialist circuits for every application
Have a look on thehobbyshed.co.uk for Inspiration & Solutions
We accept all forms of Payment on the web site brimal.co.uk If you have any problems ordering please contact us

CRANE GARDEN BUILDINGS

THE PERFECT LOCATION
FOR A MODEL RAILWAY

Our buildings are strong and robust, built with the highest quality timber, and can be tailored to suit your needs.

By tailoring the building design to your exact requirements, we can give you a building of the perfect size, with each feature precisely where you want it. Our sheds and workshops can also be fully lined and insulated, with electrics, allowing for year-round use. To find our more, please visit cranegardenbuildings.co.uk.

SHOW SITES ACROSS THE COUNTRY
HANDMADE BY SKILLED CRAFTSMEN
FREE DELIVERY & installation nationwide

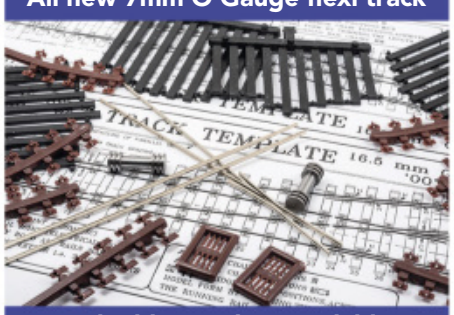
Sheds | Workshops | Summerhouses | Garages | Studios | Telephone 01760 444229

C & L FINESCALE
TRACK BUILDING SYSTEMS

C & L FINESCALE ARE SUPPLIERS OF WELL PROVEN RANGE OF 4 & 7MM TRACK BUILDING MATERIALS WHICH INCLUDES OUR EASY BUILD POINT KITS WHICH CONTAIN ALL OF THE REQUIRED PARTS TO BUILD A POINT.
FOR THE FULL RANGE PLEASE CHECK OUR WEBSITE.

All new P4 and EM flexi track in two or three bolt versions

All new 7mm O Gauge flexi track



Easy build point kits available in 4 and 7mm scales

New OO Flexi track based on track panels

New 4 & 7mm individual rail chair chair sprues

Office hours: 10.00 to 13.00 Monday to Friday

C & L Finescale Track Building Systems Ltd, 125 Beaver House, 12 East Street, Epsom KT17 1BX
Telephone 01372 748490
www.clfinescale.co.uk

MODEL RAIL

OUT NOW

'16XX'
0-6-0-PT

22
versions to choose from

Order yours today!

Go to page 106 for full details

MODEL RAIL

YouChoos DCC Sound

BE THERE WITH immersive Drive

ALL SOUNDS NOW AVAILABLE FOR ZIMO MS IN 16Bit

next generation digital sound
Zimo MS

01380 530530
www.YouChoos.co.uk info@youchoos.co.uk

Durham Trains of Stanley

"more than just a model shop"

6 Station Road, Stanley, County Durham DH9 OJL
Tel: 01207 232545
email: durhamtrainsofstanley@gmail.com
Opening times: 9.30 - 5.00 Mon, Tues, Fri & Sat, 11.00 - 5.00 Thurs, Closed Wed.
DCC Fitting
www.durhamtrainsofstanley.co.uk

EILEEN'S EMPORIUM

Mail order: Unit 19.12 Highnam Business Centre
Newent Road, Gloucester, GL2 8DN, ENGLAND
Visitors welcome by appointment only
Tel: 01531 828009
sales@eileensemporium.com
www.eileensemporium.com

For Layout Electrics

Electrical Wire, 16/0.2, 7/0.2, 10/0.1, Decoder Wire, DCC Bus Wire
Miniature Connectors, D Types, Banana Plugs, DIN Connectors
12 V LED's, Grain of Wheat and Grain of Rice
Toggle and Slide Switches
Point Motors
And So Much More

Visit our webshop www.eileensemporium.com

Unit 38
Market
Village
South Parade
Sutton
Coldfield
B72 1QU

Tel: 07981 757023
Monday to Friday 10.30 to 4.30
Saturday 9.00 to 4.30

Bachmann, Hornby, Dapol, Gaugemaster, Metcalfe, Peco, etc.
Gauges N to 0. Modelling tools and materials
Locomotive repair and decoder fitting service
We supply Blue Foam for scenery and baseboards
And can build foam baseboards to order

TEN COMMANDMENTS

A wide range of Scenery & Modelling Accessories

We cater for O gauge, OO gauge HO & N gauge

You can also see our painting guide when you visit our website

For our full range visit
www.tencommandmentsmodels.co.uk
or call 01383 410032

AC Models
Tel. 02380 610100 www.acmodelseastleigh.co.uk

R/C DEPARTMENT & GAMES WORKSHOP IN NEW EXTENSION

Stockists of all major brands
SCALEXTRIC HORNBY LILIPUT
Spectrum PECO AIRFIX BACHMANN BRANCH-LINE
and much more!
Find us on Ebay: AC Models 2
Amazon: acmodelseastleigh

GIFT VOUCHERS AVAILABLE

VISA PayPal MasterCard

SEE WEBSITE FOR OPENING TIMES

9 High Street, Eastleigh, Hants. SO50 5LF
email: info@acmodelseastleigh.co.uk

WANTED

Model Railway & Collectables

Top Prices Paid

For all makes, all gauges and live steam, aeroplane kits, boats, die cast etc.

Instant cash paid

Will travel to collect

LITTLEWORTH MODELS

email: littleworthmodels@gmail.com

01775 630385
07723 336344

Woodgate Cottage
New Road,
Deeping St Nicholas,
Spalding, Lincs, PE11 3DU

The Easy Way To Create Concrete Hard-Standing

Available in Streamline & Standard Spacing For OO and N Gauge

Create realistic hard-standing in minutes
Say goodbye to messy modelling clay!

LX096 - Only £12.59 +P&P

scalemodelscenery.co.uk

Order online or call 01530 456952

www.YorkModelRail.com
Precision Laser Cutting

Online shop, selling our unique range of laser-cut scenery detailing and architectural components; helping you build your railway layouts

Plus affordable bespoke laser-cutting service catering for ALL SCALES and all model-makers, worldwide.
Price lists available in 0, 00 or N scale if you don't have internet access.

York Modelmaking 01904 400358 laser@yorkmodelrail.com
Unit 13, Bull Centre, Stockton-on-the-Forest, York, YO32 9LE

www.harburns.uk

Harburn Hobbies, 67 Elm Row, Edinburgh EH7 4AQ
T: 0131-556 3233 & 0131-478 3233 Email: sales@harburns.uk

HARBURN HAMLET OO / HO Acclaimed Accessories

New! Waiting Room or Store
1/76th Scale – 00 Gauge

SS307 Red & Cream

SS305 Brown & Cream
SS306 Green & Cream
SS307 Red & Cream
SS308 Natural Wood

All **£46.56** each
(P&P £3.35)

SS305 Brown & Cream

Harburn Hamlet Accessories ready made - realistically painted ready to place – see: www.harburns.uk

SS306 Green & Cream
Waiting Room or Store
timber walls, slate roof
cast in resin/stonecast
and decorated as shown.
Size: L 115mm x W 43mm x H 50mm

SS308 Natural Wood (rear view)

GOLDEN VALLEY HOBBIES

BUSCH

with unpainted figures

Busch 1821
Building Up A Market Stall
£16.00

with unpainted figures

Busch 1822
Market Stalls
£28.99

with unpainted figures

Busch 1823
Vegetables & Fish Stalls
£28.99

Busch 1824
4 Market Stalls
£19.99

with unpainted figures

Busch 1825
Fashion & Luggage Stalls
£28.99

with unpainted figures

Busch 1826
Vegetable Market Stalls
£16.00

with unpainted figure

Busch 1827
Mobile Wood-Fired Oven
£25.00

with unpainted figure

Busch 1828
BBQ Stand
£14.99

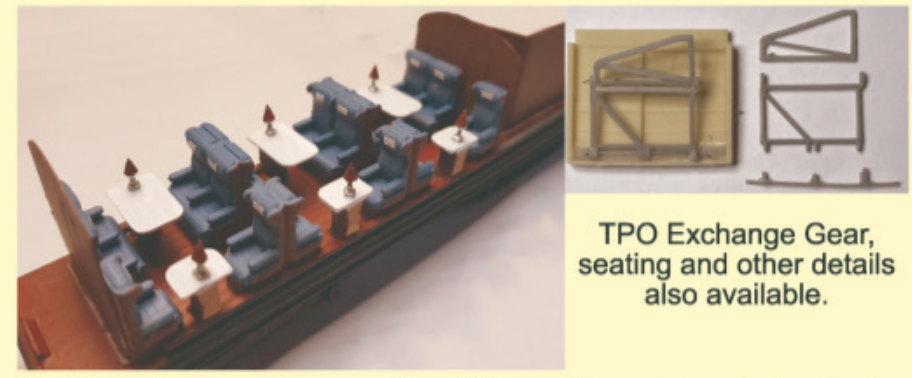
Busch 7997
Shopping For Veggies
£16.99

www.gvhonline.co.uk/MR2207

Unit 1 Pontrilas Business Park, Pontrilas, Herefordshire, HR2 0AZ
See our website (above), write or call to order. 01981 241 237
Trade enquiries welcome. Prices are correct at time of print and are subject to change.

ISINGLASS
Isinglass-Models.co.uk

Diagram 236 Restaurant 1st, used in general service (also Rest 3rd), East Anglian and Royal trains.
Model and Photos(c) by Paul Morter.



TPO Exchange Gear, seating and other details also available.

NEW Release : Coronation/West riding Open First twin and Kings X Leeds Quint Diner.

Available April: Diagram 131 Gresley TPO.

"The simplest kit ever!"
RMWEB

23 Oak Tree Road, Thatcham, Berks. RG19 4QP
Email:Andy@Isinglass-models.co.uk 01635 925627

CARNFORTH MODELS

Now Stocking RailMatch Paints!

10:00am – 4:00pm
Tuesday, Thursday, Friday
& Saturday

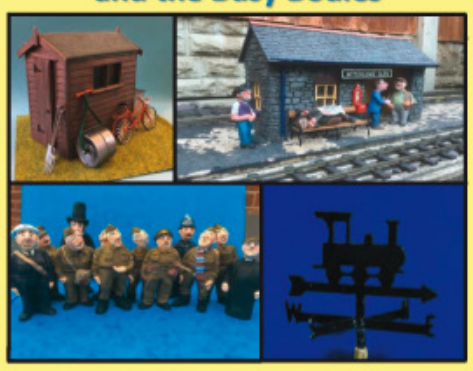
Located on Carnforth Railway Station

Visit our website joint with PVW
pendlevalleyworkshop.uk

HELJAN · HORNBY · PECO · ROUNDHOUSE · BACHMANN EUROPE Plc · dapol · GAUGEMASTER

....and many more, PLUS

Home of Pendle Valley Workshop and the Busy Bodies



20 Minutes FREE parking

01524 730101

P. D. K. MODELS

Brass and Nickel Silver locomotive kits. Suitable for 'OO' and 'EM'.

PDK 68. GWR/BR 41/51/61/81xx 2-6-2t £120-00

PDK 78 GWR/BR Straight Frame 51xx 2-6-2t £120-00

'NEW'
PDK 68 & 78.

Brass and Nickel Silver construction with Whitemetal, Lost Wax Brass and Turned Brass detail parts. **(The chassis comes with optional beam compensation).**

(Wheels, Motor & Gearbox not included).

SELECTED OTHER KITS

PDK 22 - LNER/BR Thompson A2/1 Pacific.....£123.00
PDK 72 - LSWR/SR/BR Urie H16 4-6-2 Tank.....£115-00

COMING SOON – GWR/BR 31xx 2-6-2t, LSWR/SR/BR L12 & S11.

PLANNED KITS – LSWR T14, LBSC K 2-6-0.

Professional Building Service Available. Price On Application.
As well as our own kits we will consider other manufacturers kits. Please visit the gallery pages on our website for examples.

Please visit our website at www.pdkmodels.co.uk for further details. Payments are via PayPal on our website, Credit/Debit card by phone or Cheque.

Hilltop Bungalow,
Carnkie, Helston,
Cornwall, TR13 0DZ.
Tel: 07732 213251. (Between 10am & 4pm)
E-Mail: pdkmodels@hotmail.co.uk

List of Kits & Detailing Parts. Download from the website or send a LARGE A4 SAE.

POSTAGE

Recorded Postage £5.00 on Loco kits and £3.50 on Tender Kits. Parts postage is detailed in the parts list. Overseas customers please email for a quote.

PERTH 2022
MODEL RAILWAY EXHIBITION

Dewars Centre, Glover Street, PH2 0TH

SATURDAY JUNE 25th 10.00 am - 5.00 pm
SUNDAY JUNE 26th 10.00 am - 5.00 pm

Scotland's Summer Show!

Admission: Adult £10.00, Child £4.00, Family (2 + 2) £20.00
Card / touchless payment welcome at the door

Around 40 Superb Layouts
Over 35 Quality Trade Stands
Seminars and Demonstrations
Societies and Specialist Groups
Buffet and Bar
On-site Parking
Venue is next to Perth Railway Station
Park & Ride from Broxden on Saturday

www.smet.org.uk or Tel: 07803 737652

Perth Model Railway Group - part of the Scottish Model Engineering Trust Registered as a charity in Scotland No. SC 032308

Photo: Laurencekirk, Courtesy of Mike Bisset and Hornby Magazine

SPOT-ON MODELS

With over 30 years experience, we offer a host of modelling items.

■ Model Railways ■ Plastic Kits ■ Track ■ Tools ■ Modelling Materials

SPOTONMODELS.CO.UK
GREAT PRICES
SECOND HAND & BARGAIN SECTIONS
HORNBY - BACHMANN - DCC CONCEPTS
NOCH - GAUGEMASTER - & MUCH MORE

DCC CONCEPTS

High Quality Bus Wire Strippers	£23.60
Fine wire Strippers	£16.00
Track Cutters	£11.30
12 Axle Rolling Road (Multi-Gauge)	£85.99
6 Axle Premium Edition 'O' Gauge Rolling Road	£130.00
Weathering Set- Super Value Pack. *12 coloured powders plus brushes*	£25.50

MIG PAINT SETS. Perfect for Railway modelling.

MIG 7805	Rust Effects Set. *For imitating rust, stains, scratches and streaks*	£33.99
MIG7806	Vegetation Set. *For painting areas of ground simulating vegetation*	£36.99
MIG7176	Vegetation Diorama Set. *A natural colours set including 6 tones*	£12.00
MIG7177	Urban Diorama Colours Set. *6 colours for any urban environment*	£12.00
MIG7470	Depot Areas Sludge Tracks Weathering Set. *5 Different washes*	£16.50

HORNBY TRAIN SETS

R1270	The Valley drifter	£76.50
R1271M	'I Traveller' 6000	£104.50
R1234M	Night mail	£96.50

HORNBY LOCO'S

R30050	G.Lee Mining Co. Ltd, Bagnell. 0-4-0DH	£38.50
R30051	BR Bagnell 0-4-0DH	£38.50
R30019	Class 66 Colas 66850 'David Merchant'	£71.99
R30074	Class 66 DB 66113 'Delivering for our Key Workers	£79.50

Whilst stocks last

ONLY £2.75 POST PER SHIPMENT

HAVE A LOOK
WWW.SPOTONMODELS.CO.UK

MORRIS MODELS
NORTH LANCING

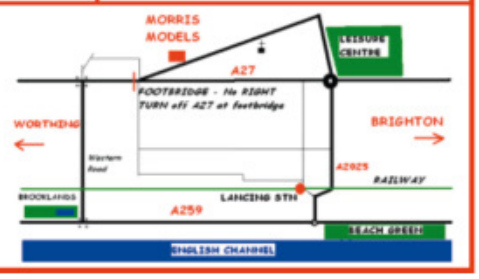
80 Manor Road, N Lancing,
West Sussex, BN15 0HD
Tel 01903 754850
www.morris-models..co.uk
info@morrismodels.co.uk

We are between Brighton & Worthing, just off A27 west of Shoreham Airport

BRITISH RAILWAYS
HORNBY · GRAHAM FARISH · PECO · dapol · HELJAN
PLUS MANY OTHER RANGES OF SCENIC MATERAILS, BUILDINGS, VEHICLES etc

Easy free parking!! Please check website for opening hours or call us

CONTINENTAL RAILWAYS
FLEISCHMANN · Roco · TRIX · herpa · FALLER · Preiser · NOCH · MINITRAINS



DCC by Modellers for Modellers

Stockists of

Bachrus, Circuitron, Tam Valley, CML Electronic, DCC Specialties, Digitrax, ESU, Express Models, Gaugemaster, LDT, CT Elektronik, Lenz, New Rail Models, Roco, RR-Cirkits, Sprog DCC, Team Digital, TCS, NCE, Zimo. Plus Many More!

Ipswich Model Railway Centre, Unit 2, 48-52 Tomline Road Ipswich IP3 8DB.

Coastal DCC
+44 (0) 1473 710946
www.coastaldcc.co.uk enquiries@coastaldcc.co.uk

MODEL RAILWAY SOLUTIONS

WE ALSO OFFER A LARGE RANGE OF MODULAR BASEBOARDS
See website for details
modelrailwaysolutions.co.uk
HORNBY · DCC concepts · NOCH ... wie im Original · GRAHAM FARISH · PECO

Peter's Spares
EST 2009
MODEL RAILWAYS LTD

- New & Used Hornby Spare Parts
- Our own spare parts made in China
- Locomotives and Rolling Stock
- Plastic Kits, Paints, Tools & Glues
- Digital Decoders & Controllers
- Locomotive Detailing parts
- Mega Steam Smoke Fluid
- Tracks & Train Sets
- We have it all at Peters Spares
- Check our NEW LOOK STORE now!

NEED HORNBY SPARES?

Talk to Peter's Spares Over 2500 Different Hornby Spares in Stock. NEW WEBSITE with back in stock alerts and wishlist

OVER 11,500 DIFFERENT ITEMS IN STOCK

DON'T FORGET WE SELL:

HORNBY
Locomotives, Rolling Stock, Scenics and much more!
BACHMANN BRANCH-LINE

NEW & USED MODEL RAILWAYS
Specialists in Model Trains since 1994 – Servicing, Repairs & DCC Decoder Fitting
2J Brighouse Business Village, Riverside Park, Middlesbrough, Cleveland TS2 1RT

PECO · GRAHAM FARISH by BACHMANN · dapol
Tel: 01642 909794
Open Mon-Sat 10am-5pm
Web: www.petersspares.com
Email: sales@petersspares.com
HELJAN · GAUGEMASTER

FRIZINGHALL
MODELS & RAILWAYS

OPEN DAY

COME SEE US AT OUR OPEN DAY
FREE ADMISSION

SATURDAY 11th JUNE 2022
10.00am to 4.00pm

Demonstration Layouts
Ryburn Bridge (N), Much Llaughter
Light Railway (OO9), Queens Road Depot (OO)
Reps from Peco, Hornby, Oxford Rail
DCC Concepts Display Layout - Wiring made easy
Sound fitting & advice
Childrens activity corner and competition
Entry to free raffle with every purchase over £25
with a chance to win a Hornby R3723X
BR Class 61XX Large Prairie
Gift vouchers and more!

WWW.MODELRAILSHOP.CO.UK

8A Sapper Jordan Rossi Park, Otley Road, West Yorkshire, BD17 7AX
01274 747447 shop@fmrdirect.co.uk

MODEL RAIL Marketplace

CALL SARAH ON 01733 979458 • sarah.charity@bauermedia.co.uk

DCC

Mark's Trains
Est. 2016

A RENOWNED SPECIALIST DCC CONVERSION SERVICE
• Servicing & repairs • Weathering • Resprays • Kit building

www.marks-trains.co.uk
01733 609 414 - info@marks-trains.co.uk

marks.trains.uk marks_trains_uk

Online Shops

Howard Scenic Supplies

See our range of hand made model scenery

www.howardscenicsupplies.co.uk

Books & DVD's

NICK TOZER
RAILWAY BOOKS

RAILWAY BOOKS BOUGHT & SOLD

Free Railway Booksearch Service
155 Church Street, Paddock,
Huddersfield, HD1 4UJ
(Shop: Tue/Wed 11:00-17:00 + Thu 14:00-20:00)
www.railwaybook.com email: nick@railwaybook.com
Tel: 01484 518159

Models Wanted

Tri-angman

specialist in model railways

Tri-ang, Hornby, Wrenn,
Minic etc...
buy, sell and repair hard to
find items and collectables

Find me on
www.tri-angman.co.uk
or contact
Tel 07966 333605
laurence@tri-angman.co.uk

Online Shops

Tri ang Collector
Dave ANGELL
07968 975867

Supplier & Collector of Vintage Trains

Primarily, but not exclusively, made by Triang.

www.daveangelltrains.co.uk
dave@daveangell.co.uk
07968 975867

Web Browser

RECREATION21
3D PRINTED MODELS
ORDER ONLINE

Various Scales
Gauge 1,0,S
OO,HO,TT,N
009,016.5
SM32,G
and more

www.rue-d-etropal.com

Dealer Directory

Kits

BRANCHLINES

Dapol Kit Package Deals

Each package deal contains the Dapol plastic kit, our etched n.silver chassis kit, our body detailing (or interior) kit, Mashima motor, Romford gears, wheels and all screws wire, etc. to complete.

Railbus p/deal with full interior	£61.50
Drewry '04' diesel complete p/deal	£81.50
BR mogul & tender complete p/deal	£112.50
City of Truro complete p/deal	£111.50

Most parts available separately

P.O BOX 4293, WESTBURY BA13 9AA
Tel/Fax: 01373 822231
E-mail: sales@branchlines.com

Cat's SSAE + £1 (in stamps) or £2.50 C. Card and PLEASE STATE INTERESTS
P&P: UK £2.50 (value under £30), £4.00 (£30 to £60), £5.00 (over £60).
Non UK and BFPO less VAT. Exports £4.50 minimum.
VISA, MASTERCARD, SWITCH/MAESTRO, SOLO
EXPORTS WORLDWIDE
Hours: Mon-Thursday: 9.30-1, 2-6

- 0 Gauge Kits -

CONNOISSEUR MODELS

- Quality Etched & Cast Metal Kits -
- Locos, Carriages & Wagons -

www.jimmcgeown.com

or Send S.A.E. for printed catalogue
1 Newton Cottages,
nr Weobley HR4 8QX

Manufacturer

WE ARE THINKING OF REINTRODUCING OUR 7MM SCALE SOUTHWOLD 'SHARPIE' 2-4-0T KIT FOR 16.5 OR 21MM GAUGES. THIS WILL ONLY GO AHEAD IF SUFFICIENT INTEREST IS RECEIVED, SO PLEASE REGISTER IF YOU WOULD LIKE ONE.

www.goldenarrow.me.uk
Quality bowpens & instrument sets in stock
392 HAROLD ROAD, HASTINGS, SUSSEX TN35 5HG
Tel: 01424 445334 Email: c.meach@tiscali.co.uk

MODEL RAIL

Online Shops

Model Scenery Supplies

Uk leading online
model scenery shop
Supplying all your
scenic items

Search for;
www.modelscenerysupplies.co.uk

roxeymouldings.co.uk
Loco, Coach & Wagon Kits
Fittings & Accessories
Wheels / Motors & Gears
in 00 and 0
Tel: 01932 245439

Roxey Mouldings

Photographic

Colour-Rail photo library
120,000 railway subject images
including Ireland at
www.colour-rail.com
High res scans for modellers
Image Collections wanted
Contact us at
colourrail@aol.com or
558 Birmingham Road,
Bromsgrove, B61 0HT

Bedfordshire

AGR MODEL RAILWAY STORE

Order Online today
www.agrmodelrailwaystore.co.uk

AGR Model Railway Store Ltd

9 High Street Mews, 28 High Street,
Leighton Buzzard, Bedfordshire LU7 1EA
01525 854788
sales@agrmodelrailwaystore.co.uk
Monday - Closed (appointments only)
Tuesday to Saturday - 10am to 3pm
Sunday - Closed
NOW buying your unwanted model railway collections

Buckinghamshire

P & D MARSH MODELS

PAINTED OO GAUGE		PAINTED N GAUGE	
PDZ07 Postman, bike & postbox	£9.20	PDX52 Bikes (4)	£8.50
PDZ29 Fisherman	£6.90	PDX28 Bedford coal lorry	£14.25
PDZ19 Loco crew (2) steam	£9.50	PDX66 coalmen & scales	£8.85
PDZ43 Period traffic light	£7.20	PDX67 Window cleaners	£8.85
PDZ18 Platform detail set	£9.20	PDX61 Bus stop & shelter	£7.75
PDZ37 Belisha/bus stop/post	£8.70	PDX81 Cast iron Gents loo	£12.00
PDZ42 Newspaper seller	£7.90	PDX85 Sheep	£7.05
PDZ41 1970/80 Firecrew/hoses	£11.00	PDX87 K6 phone box	£6.85
PDZ103 1950 motorbike/rider	£840	PDX331 LNER home signal	£8.75
PDZ52 Scarecrow	£6.35	PDX334r RH junction signal	£16.75
PDZ53 Milkman with cart	£8.70	PDX361 Ground signals (5)	£8.40

AVAILABLE FROM ALL GOOD MODEL SHOPS
DISTRIBUTED BY EXPO TOOLS & DRILLS
WWW.PDMARSHMODELS.COM 07730 202270

Cleveland

REDCAR MODELS & HOBBIES

Most leading brands of
"OO" gauge model
railways & accessories.
Also Diecast, Plastic Kits,
Woodland Scenics,
K+S metal Centre etc
130 High St, Redcar,
Cleveland, TS10 3DH.
Tel: 01642 494912
(Open Tuesday to Saturday)
sales@redcarmodels.co.uk

Dealer Directory

Cheshire

TRIDENT TRAINS

No10, The Craft Arcade,
Dagfields Craft Centre,
Crewe Road, Walgherton,
Nantwich, Cheshire. CW5 7LG

www.tridenttrains.co.uk 01270 842400

HORNBY • BACHMANN • DCC CONCEPTS • FARISH • DAPOL • PECO • LENZ
TRAIN TECH • GAUGEMASTER • METCALFE • RATIO & MUCH MORE

Cumbria & Lake District

Crafty Hobbies

South Cumbria's number one shop for model railways, crafts, and doll's houses.

www.craftyhobbies.co.uk
54 Cavendish Street,
Barrow-in-Furness,
T: 01229 820759

Jacksons Models *and Railways*

Hornby, Bachmannm Graham Farish, Peco, Dapol, Gaugemaster, Javis, Plastics, Metals, Balsa, Corgi, Oxford Diecasts etc.

www.jacksonsmodels.co.uk
33 New Street, Wigton, Cumbria CA7 9AL
Telephone 01697 342557

TRUCKS • CARS • PLANT • KITS • PLANTS • MILITARY • RAILWAYS • BUSES

TO ADVERTISE PLEASE CALL SARAH ON 01733 979458

Essex

CHELMSFORD

JOHN DUTFIELD

Stockists of: HORNBY

• Peco • Bachmann • Lenz • Graham Farish • Wills • Ratio • Cavalex • Accurascale

and much more including secondhand

WARDS YARD, 133 SPRINGFIELD PARK ROAD, CHELMSFORD, ESSEX, CM2 6EE

01245 494455 Open 9-5.30 Mon, Tues, Thurs, Fri, Sat. Closed Weds & Sun.

Email: heatherwilkinson@btconnect.com Web: johndutfieldmodelrailways.co.uk

Hampshire

CHURCH STREET MODELS

New OO & N gauge
Incl. Hornby, Bachmann, Dapol, Farish, Heljan, Oxford

Mon, (Tues Dec Only), Wed-Sat 09.30-17.00
10A Church Street, Basingstoke, Hants RG21 7QE. 01256 358060
www.churchstreetmodels.co.uk

Isle Of Wight

Visiting the Isle of Wight?

Two floors of engines, wagons, coaches, buildings, scenery, electrics, figures, cars and much more!

N/OO9/HO/OO/On30/G

UPSTAIRS DOWNSTAIRS
Pier Street - Sandown - PO36 8JR
01983 406 616 - www.udiow.com

Kent

GRAVESEND MODEL CENTRE

ALL YOUR WARGAMING, MODELLING & RAILWAY NEEDS UNDER ONE ROOF

SHOP OPEN: Mon - Sat 9am till 4.30pm
Sunday 10am till 4pm

15 The High Street, Gravesend, DA11 0BQ
E: gravesendmodelcentre@gmail.com
Tel: 01474 536531
Find us on Facebook
www.gravesendmodelcentre.co.uk

Please mention Model Railway when responding to our advertisers

North Yorkshire

MonkBar Model Shop

2 Goodramgate
York - YO1 7LQ
01904 659423
info@monkbarmodelshop.co.uk

OO, O & N Gauge Model Railways

Stockists of Hornby, Bachmann, Graham Farish, Peco, Dapol, Gaugemaster, Ratio, Wills, Woodland Scenics, Metcalfe, Oxford Diecast, Base Toys and many more

monkbarmodelshop.co.uk

Kent

KENT GARDEN RAILWAYS

Specialist suppliers of G scale and 16mm garden railways	Large stocks of 00 and N from all leading suppliers
LGB ◆ Accucraft	Hornby ◆ Bachmann
Bachmann	Farish
Piko ◆ Pola	Heljan
Roundhouse	Dapol
USA Trains, etc.	Rapido
	Woodland Scenics, etc.

American HO and N from leading suppliers

www.kgrmodels.com

68 High Street, St Mary Cray, Orpington, Kent BR5 3NH
Telephone: 01689 891668
Telephone, Web and Exhibition Sales only

Leicestershire

SKYTREX MODEL RAILWAYS

Building Kits and Scenic Accessories
www.skytrex.com
Tel: 01509213789
Email: sales@skytrex.com

Scotland

THE SPORTS MODEL SHOP

Traditional Model Shop with large range of OO and N gauge model railways
Plastruct, Glues, Scenics, Metals

66 High Street, Dingwall, IV15 9RY
Tel: 01349 862346
www.sportsandmodelshop.co.uk
Open Mon-Sat 9.15 - 17.00

Staffordshire

TUTBURY MODELS

COLLECTABLES 01283 814777 MODELS
5 Mill Mews, Tutbury,
Nr. Burton-upon-Trent DE13 9LU.

Available Now:
Bass/Worthington vent van £13.50 + £3.00 P & P (Can send up to 6)
Available Now:
6 Wheel Milk Tanker Nestle - OO Gauge £17.50 + £2.00 P & P
Available SOON:
6 Wheel Milk Tanker Nestle - O Gauge
Orders invited for the O Gauge.

THE HOBBY GOBLIN

54 Hamil Road, Burslem, Stoke-on-Trent ST6 1AU
New special commission 7-plank wagon in OO and O gauge: 'Sneyd, Burslem'
• Hornby • Bachmann • Peco • Dapol • Gaugemaster • Woodland Scenics • Plus much more!
OPEN: Tue, Weds, Fri 10-4; Thurs 10-5.30, Sat 10-2
T: 01782 818433/07973 478294
E: thehobbygoblin-uk@hotmail.com
www.thehobbygoblin.co.uk

MODEL RAIL

Follow us on twitter
Find us on Facebook

Somerset

EAST SOMERSET MODELS
"Model Railway Specialist"

THE RAILWAY STATION, CRANMORE, SHEPTON MALLET, SOMERSET, BA4 4QP

We carry comprehensive stocks from the major manufacturers
Bachmann - Farish - Dapol - Heljan - Oxford Rail - Peco
We also hold a wide range of accessories, vehicles and scenic materials
Saturdays 10:30am-3:30pm and Sundays 11:00am-2:00pm
(Please check our Website/Facebook Page for latest opening times)

Telephone: 01749 880651 - www.esmodels.co.uk - Email: mail@esmodels.co.uk

Suffolk

Orwell Model Railways

Ipswich Model Railway Centre
48-52 Tomline Road
Ipswich IP3 8DB
01473 724578

www.orwellmodelrailways.co.uk

Open
Mon-Fri 10:00 - 16:00
Wed 10:00 - 18:00
Sat 10:00 - 17:00

Tyne And Wear

Pooleys Puffers

Partnership: David and Anne Poole

Model Railway Supplies,
New & Second Hand Bought & Sold
Diecast Models, kits & accessories
Tel: 0191 4910202/4106386
Mobile: 07976 519178
www.pooleyspuffers.com
email:pooleyspuffers@btopenworld.com
382a Jedburgh Court, Team Valley Trading Estate, Gateshead, Tyne & Wear NE11 0BQ
Mon – Sat 10am – 4pm
Sunday & Bank Holidays: CLOSED

CONTACT US

Media House, Lynchwood, Peterborough Business Park, Peterborough PE2 6EA
Email: *modelrail@bauermedia.co.uk*

EDITORIAL

Telephone: 01733 468000
Editor: George Dent
Consultant Editor: Chris Leigh
Staff Writer: Chris Gadsby
Model Consultant: Dave Lowery
Editorial Assistant: Samantha Toombs
Art Editor: Matthew Hunt
Production Editor: Shane Collins
Sub Editor: Richard Hampson
Photography: Jacques Portal, Chris Nevard, George Dent
Artist: Andrew Mackintosh

PRODUCTION

Telephone: 01733 468377
Print Production Manager: Richard Woolley
Advertising Production: Zoe Bellamy
Printed by: Wyndeham, Walstead, Bicester, Chaucer Business Park, Launton Road, Bicester, Oxon OX26 4QZ

ADVERTISING

Telesales Account Manager
Sarah Charity 01733 366350
Group Sales Manager
Lucy Scott 01733 366362

MARKETING

Telephone: 01733 468000
Marketing Manager: Susan Rogers
Product Marketing Manager: Naivette Bluff
Head of Newstrade: Leon Benoiton
Newstrade Marketing Manager: Karen Caruso

SUBSCRIPTIONS & BACK ISSUES

To contact us about subscriptions orders, renewals, missing issues or any other subscription queries, please e-mail *bauer@subscription.co.uk* or call our UK number on 01858 438884. If you're outside the UK, call +44 1858 438884. To manage your account online, visit *www.greatmagazines.co.uk/solo* To order back issues, please call our UK number on 01858 438884. If you're outside the UK, call +44 1858 438884.
For binders call 01733 840111

H BAUER PUBLISHING

Managing director: Steve Prentice
Editorial director: June Smith-Sheppard
Digital managing director: Charlie Calton-Watson
Chief financial officer Bauer Magazine Media: Lisa Hayden
CEO, Bauer Publishing UK: Chris Duncan
President, Bauer Media Publishing: Rob Munro-Hall
Syndication e-mail address: *syndication@bauermedia.co.uk*

From January-December 2021 *Model Rail* sold an average of 20,945 copies per issue, as independently confirmed by the Audit Bureau of Circulations (ABC).

Model Rail magazine is published 13 times per year by H Bauer Publishing, registered in England and Wales with company number LP003328, registered address Media House, Peterborough Business Park, Lynchwood, Peterborough, PE2 6EA.

COMPLAINTS: H Bauer Publishing is a member of the Independent Press Standards Organisation (*www.ipso.co.uk*) and endeavours to respond to and resolve your concerns quickly. Our Editorial Complaints Policy (including full details of how to contact us about editorial complaints and IPSO's contact details) can be found at *www.bauermediacomplaints.co.uk*

No part of the magazine may be reproduced in any form in whole or in part, without the prior permission of H Bauer Publishing. All material published remains the copyright of H Bauer Publishing and we reserve the right to copy or edit any material submitted to the magazine without further consent. The submission of material (manuscripts or images etc) to H Bauer Publishing, whether unsolicited or requested, is taken as permission to publish that material in the magazine, on the associated website, any apps or social media pages affiliated to the magazine, and any editions of the magazine published by our licensees elsewhere in the world.

By submitting any material to us you are confirming that the material is your own original work or that you have permission from the copyright owner to use the material and to authorise Bauer to use it as described in this paragraph. You also promise that you have permission from anyone featured or referred to in the submitted material to it being used by H Bauer Publishing. If H Bauer Publishing receives a claim from a copyright owner or a person featured in any material you have sent us, we will inform that person that you have granted us permission to use the relevant material and you will be responsible for paying any amounts due to the copyright owner or featured person and/or for reimbursing H Bauer Publishing for any losses it has suffered as a result. Please note, we accept no responsibility for unsolicited material which is lost or damaged in the post and we do not promise that we will be able to return any material. Finally, whilst we try to ensure accuracy of your material when we publish it, we cannot promise to do so. We do not accept any responsibility for any loss or damage, however caused, resulting from use of the material.

- H Bauer Publishing is authorised and regulated by the FCA (Ref No. 845898) VAT No. 918 5617 01
- H Bauer Publishing is a company registered in England and Wales with company number LP003328, registered address Academic House, 24-28 Oval Road, London, NW1 7DT

Model Rail, ISSN 1369-5118 (USPS 8710) is published every four weeks by H Bauer Publishing Ltd, Media House, Peterborough Business Park, Lynch Wood, Peterborough, PE2 6EA, United Kingdom. The US annual subscription price is $101.79. Airfreight and mailing in the USA by agent named World Container Inc, 150-15, 183rd Street, Jamaica, NY 11413, USA. Periodicals postage paid at Brooklyn, NY 11256. US Postmaster: Send address changes to Model Rail, World Container Inc, 150-15, 183rd Street, Jamaica, NY 11413, USA. Subscription records are maintained at Bauer Media, Subscriptions, CDS Global, Tower House, Sovereign Park, Lathkill Street, Market Harborough, Leicester LE16 9EF, United Kingdom. Air Business Ltd is acting as our mailing agent.

COLOUR RAIL

Present your case

If there's a prototype that you think needs to be offered ready-to-run, here's the place to voice your opinion…

Locomotive: British Rail Class 74 electro-diesel
Gauge: '00'
Proposed by: David Rowland, Southampton

What is it?
Based on the success of its Class 73 electro-diesel locomotive, the Southern Region wanted a more powerful version for boat train work and heavier freight duties. Unsurprisingly, the British Railways Board (BRB) required a strong business case before authorising an all-new locomotive design, especially when only a small fleet was required. Therefore, Southern Region management took advantage of the fact that ten Class 71 electric locomotives had recently been made redundant, duly converting them to electro-diesel power as a cheaper alternative.

So far so simple. Alas, the reality proved to be very different: fitting a diesel engine into a space never designed to take one – and connecting it to Bulleid's esoteric motor-generator set – proved to be a very expensive and time-consuming operation. The decision was also made to replace the dual controls of the Class 73 with a troublesome electronic system allowing for a single power controller. To make matters worse, the ASLEF union 'blacked' the locomotives for a while, because it was necessary to exit the locomotive via the engine room – bad news if there was a fire. A bulkhead was added, but this made for an even more cramped environment.

These locomotives proved to be fast and powerful but very temperamental and more expensive to build than a new locomotive would have been. With the reduction in boat and newspaper traffic, plus the various technical problems, the fleet had a short life of barely ten years.

What would make it viable?
Two manufacturers introduced the Class 71 in 'OO' gauge at about the same time, so neither would have been able to maximise the return on their investment. Consequently, some of this development work could be used to produce the Class 74. As it comes from the same prototype, the chassis would require very little work and the body would 'only' need new side and roof panels and push-pull gear. On the downside, Kernow Model Rail Centre failed in its bid to produce this model by crowdfunding, but many potential buyers would want to see the finished product before pledging their cash. Heljan has had the confidence to produce several short-lived or one-off locomotive types and KR Models has made a speciality of producing rare and obscure examples, so I have no doubt that the Class 74 would be a successful addition to the main line electric fleet.

COLOUR RAIL

Can I see a real one?
No, they were all scrapped upon withdrawal.

Have your say
Do you agree with David's argument? Join the debate on our Facebook page: *www.facebook.com/modelrail*

How to join in
Want to present your own case? Send us 400 words explaining your choice to *modelrail@bauermedia.co.uk*, putting 'Present Your Case' in the subject line.

Backscene

Chris Leigh offers meanderings we couldn't fit into the issue elsewhere, but which seemed terribly important at the time…

Familiar livery far away

Some years ago *Model Rail* featured overseas modelling topics in the various manifestations of *Model Rail International* in order to broaden the hobby and the range of subjects which we could cover. There was always resistance from traditionalist readers whose only interest was in the railways of Britain, and eventually we had to admit defeat.

However, that did not mean that staff gave up their personal overseas interests and in recent years I have done at least as much work on my Canadian 'HO' layout as on my three British-outline layouts in 'N', 'OO', and 'O' gauges.

Modellers who follow current British practice will doubtless recognise the livery of Genesee & Wyoming in the two accompanying photographs as it is the livery now carried by Freightliner locomotives in the UK. Like a lot of 'Brits', I've long been fascinated by 'underdogs' particularly those underdog, minor railways and G&W owns a few of those.

Back in 2018 I planned my last (thanks to the pandemic) Canadian vacation to include the 300-mile Sudbury to White River trip. It had actually been featured on TV as one of Chris Tarrant's *Extreme Rail Journeys*. There are just six roads crossed, and about three stations in those 300 miles but the train stops at fishing lakes, hunting lodges and private dwellings which have no other access.

My journey began at Sudbury, where the 173-mile Huron Central Railway (owned by G&W) connects with Canadian Pacific. My hotel room overlooked Sudbury station and yard where two G&W locomotives were assembling a train to take back to Sault Ste Marie.

I like to have models of trains on which I've travelled and locomotives that I've seen, so I set about creating these two in 'HO' scale. The lighter coloured model was bought new in G&W livery and I simply changed the New England Central logos to Huron Central using a Microscale decal sheet. Sadly, Microscale has dropped the G&W from its range owing to a licensing issue.

The SD40-2 was a complete repaint, hence the difference in shade of the orange, although closer inspection of the photograph does show a difference in shade between the two full-size locomotives. From watching various clips on YouTube it does seem that HCR GP40s are a lighter shade than the SD40-2s that often accompany them. So, by chance, my models are more accurate than I thought.

Above: Working over the trestle on my 'HO' layout, GP40-2 HC No. 3012 is an Atlas model while SD40-2 OVR No. 3410 is a repainted Broadway Limited model. Both came with DCC sound installed.

Top: Seen from my hotel room window, this was as close as I got to Huron Central GP40-2 No. 3012 and Ottawa Valley Railink SD40-2 No. 3410 as they switched Sudbury yard in summer 2018. CHRIS LEIGH

Not-so-targeted internet selling

As someone who uses Ebay and Amazon and various other online operations to both research availability and from which to buy stuff from time to time, I've become accustomed to the daftness of so-called targeted selling. It is a perpetual hazard of anything one does on computers these days. I blame 'cookies,' whatever they are. On Ebay, I occasionally bid on original colour slides which might be useful for publication. Whenever I'm outbid on a slide, Ebay notifies me and offers an alternative without grasping that I bid on a particular slide because it was a location or locomotive that I was interested in.

However, things really reached a state of farce when I was looking for the Wild Swan book on the Camerton Branch for my Titfield feature. The book is out of print and I was amused to find that Google offered me Enid Blyton's *Noddy* as an alternative!

Outwell… then and now

I was fascinated by the Wisbech & Upwell tramway long before I came to live in the East Midlands. Indeed, it first caught my interest as a child when I was given a copy of Rev. Awdry's *Toby the Tram Engine*. Years later a *Steam World* reader – another Reverend – Ivan Lilley gave me this painting of the tram and a Morris Minor at Outwell Basin. He called the painting 'Old Traction, new attraction', the 'J70' and the car setting the scene in the 1950s.

Some years ago I went in search of the exact location just to see if I could recognise it. It has changed but the cottage is still there, though the wide verge is a little overgrown. We still have some of our exclusive 'J70' models but if you want a skirted example in BR livery you'll need to do a little repainting and numbering job. It really isn't difficult.

'Old traction, new attraction' by Ivan Lilley depicts the Wisbech-Upwell goods at Outwell Basin.

The same location as it was some seven years ago. CHRIS LEIGH

Selling your model railway

Warwick and Warwick have an expanding requirement for early to modern collections of British and Foreign trains and train sets from large accumulations to items of individual value. Our customer base is increasing dramatically and we need an ever larger supply of quality material to keep pace with demand. The market has never been stronger and if you are considering the sale of your collection, now is the time to act.

FREE VALUATIONS - We will provide a free, professional valuation of your collection, without obligation on your part to proceed. Either we will make you a fair, binding private treaty offer, or we will recommend inclusion of your property in our next public auction.

FREE TRANSPORTATION - We can arrange insured transportation of your collection to our Warwick offices completely free of charge. If you decline our offer, we ask you to cover the return carriage costs only.

FREE VISITS - Visits by our valuers are possible anywhere in the country or abroad, in order to assess more valuable collections. Please phone for details.

ADVISORY DAY TOWNS - **We are holding advisory days in all areas of the United Kingdom, please visit our website or telephone for details.**

EXCELLENT PRICES - Because of the strength of our customer base we are in a position to offer prices that we feel sure will exceed your expectations.

ACT NOW - Telephone or email Richard Beale today with details of your property.

Get the experts on your side!

Warwick&Warwick
Auctioneers and Valuers
www.warwickandwarwick.com

Warwick & Warwick Ltd., Chalon House, Scar Bank, Millers Road, Warwick CV34 5DB England

Tel: (01926) 499031 • Fax: (01926) 491906
Email: richard.beale@warwickandwarwick.com

THE MODEL SHOP
FOR BIG IMAGINATIONS

MODEL RAILWAYS - SLOT CARS - PLASTIC KITS/WARGAMING - DIECAST/COLLECTABLES

FREE POSTAGE on orders over £25.00

EXPRESS DELIVERY available £6.95

FREE EXPRESS DELIVERY on orders over £100.00

Up to 10% off RRP on popular brands

BACHMANN BRANCH-LINE

HORNBY®

GRAHAM FARISH by BACHMANN

Probably the Best Stocked Shop in the UK:

120 Ranges

20,000 Products in Stock

Over 50,000 Products Listed from around the world

dapol Model Railway Company

HELJAN

OXFORD

PECO

Got Amazon Vouchers? All of our products are listed on Amazon.co.uk

amazon.co.uk®

bit.ly/gaugemasteramazon

Prefer to pay by PayPal? We have an eBay shop as well!

ebay™

bit.ly/gaugemasterebay

VISIT OUR STORE IN WEST SUSSEX

Our 600sq.ft. store is right next to Ford Railway Station, near the town of Arundel. If you're coming by car we have on-site free parking.

OPENING TIMES

Mon - Sat:	**0900 - 1730**
Sundays & Bank Holidays:	**1030 - 1530**

GAUGEMASTER Controls Ltd, Ford Road, Arundel, West Sussex, BN18 0BN, United Kingdom
E&OE tel - 01903 884488 fax - 01903 884377 email - sales@gaugemaster.com

www.gaugemaster.com

GAUGEMASTER