

NEW: ULTIMATE SKILLS GUIDE INSIDE



No. 258 March 2019 £4.40

MODEL RAIL

Essential detail every layout needs

How you can create the ultimate station goods yard

14
new models
revealed
inside

NEW
Airbrush
masterclass
starts on
p38

**18-PAGE REVIEW
SECTION**



- ◆ **HORNBY STREAMLINED 'DUCHESS'**
- ◆ **HORNBY 'LORD NELSON'**
- ◆ **HORNBY 'J36'**
- ◆ **HELJAN L&B 2-6-2T**
- ◆ **OXFORD RAIL 'N7'**

IN-DEPTH - INDEPENDENT - UNBIASED

Workbench TRICKS AND TIPS FROM OUR EXPERTS

- ✓ **Build a whitemetal kit**
- ✓ **Make a realistic road surface**
- ✓ **Assemble a resin crane**
- ✓ **Fix etched nameplates**
- ✓ **Paint 3D-printed people**





NEWLY TOOLED 'TERRIER' ARRIVING THIS SPRING!



R3781 **DCC READY** **R3781X** **DCC FITTED**
K&ESR, 'Terrier', 0-6-0T,
No. 5 'Rolvenden' - Era 2

ARRIVING MARCH 2019

The distinctive 'barking' exhaust note of the locomotive led to the class becoming known as 'Terriers' and they proved popular with the crews, being comfortable, easy steaming and reliable, although the condensing pipes were removed by Stroudley's successor and the steam brake proved to be erratic in operation. A further forty-four locomotives were built at Brighton Works and of the total fifty, all except six were operating in the London area.

A series of cylinder modifications took place between 1892 and 1900 and by this point the class had extended their working area out to Portsmouth, but with many traffic duties requiring the use of bigger locomotives, the decision to reduce the class to fifteen examples was taken. The introduction of motor-train services from 1905 arrested the run-down of the class and the AIX reboiling from 1912 onwards gave the remaining 'Terriers' a new lease of life. Scattered around Southern England, the type continued in service right up to 1963, and beyond, with ten locomotives being preserved beyond withdrawal.

As the Southern Railway was absorbed into British Railways, 2655 was stored under cover and out of use at Fratton, one of six Terriers, where only two were required for the Hayling branch. In December 1949, the newly numbered 32655 became the first Terrier to receive the BR lined black livery at Brighton and was regularly worked on the Hayling services until 1960. 32655 also hauled the last public passenger services on the K&ESR on January 2, 1954.



R3767 **DCC READY** **R3767X** **DCC FITTED**
BR, 'Terrier', 0-6-0T,
32655 - Era 4

ARRIVING MARCH 2019

R3768 **DCC READY** **R3768X** **DCC FITTED**
BR, 'Terrier', 0-6-0T,
32636 - Era 5

ARRIVING MARCH 2019

R3780 **DCC READY** **R3780X** **DCC FITTED**
LB&SCR, 'Terrier', 0-6-0T,
655 'Stepney' - Era 2

ARRIVING MAY 2019

R3782 **DCC READY** **R3782X** **DCC FITTED**
SE&CR, 'Terrier', 0-6-0T,
751 - Era 2

ARRIVING MAY 2019

R3783 **DCC READY** **R3783X** **DCC FITTED**
SR, 'Terrier', 0-6-0T,
2662 - Era 3

ARRIVING MAY 2019

Visit www.hornby.com to find your nearest retailer or call **01843 233512** to place your order today



www.hornby.com

Welcome



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

MODEL RAIL

brought to you by



Richard Foster

Oxford's 'J27' will be perfect for recreating scenes from the Master Neverers' *Never Again* books!



George Dent

Hornby's little Ruston '48DS' would be perfect for the little Scalescenes box file layout I built last issue.



Chris Leigh

With both Hornby and Bachmann making Bulleid coaches, it's a shame that no one is doing a tavern car.



Chris Gadsby

I'd like a Hornby 'Princess Royal' but renamed *Princess Margaret Rose* because my dad did work on the real thing.



Chris Nevard

Our ace snapper is building a name for himself on the folk music circuit. Is there no end to his talents?



Peter Marriott

Peter is our jet-setting scenic guru. Knows what products are available and how to get the very best from them.



Dave Lowery

Professional model-maker Dave works on top secret projects for train builders and model manufacturers.



Paul A. Lunn

Paul is full of ideas for innovative and exciting layout designs with almost endless possibilities.



Ben Ando

Ben is a seriously talented modeller and 'N' gauge expert. He's also started making his own RTR models.

Get in touch: E-mail the magazine at modelrail@bauermedia.co.uk or call 01733 468000



MAURICE BURNS



Images of filthy 'J27' 0-6-0s sum up the end of steam on the North Eastern Region in September 1967. These Edwardian 0-6-0s outlasted many 'glamour' machines and arguably offered one of the last remaining pieces of low-hanging fruit available to model

manufacturers in 'OO' gauge. Oxford Rail has now picked that fruit. In terms of 'OO' gauge steam, what does that leave? WD 2-10-0? BR '2MT' 2-6-2T/2-6-0? Beyond that, I'm struggling. Everything else feels a little too esoteric, too niche.

Some manufacturers have the benefit of going through their back catalogues and bringing out all-new versions. That's exactly what Hornby has done with its 2019 range. We've been crying out for new 'Terriers' and 'Large Prairies' for years. Hornby has always planned to re-do them but, with plenty of other low-hanging fruit to pick, it has focused on these first.

Others couldn't wait for Hornby to get around to these subjects and have stepped in. What should Hornby do? Cancel its plans and waste time and money already spent on research and development, or just go ahead with them anyway and let the public decide? This, of course, leads to duplication, something that the industry can't really afford in these uncertain times.

Surely the time is now right for manufacturers to start talking to each other about what they've got planned?

Richard Foster Editor

Subscribe now save £££££££

Choose from print, digital or a combo deal and get *Model Rail* for less. See p22.

Life's better with *Model Rail*

Here's why: Starting as a supplement in *RAIL* magazine, *Model Rail* went 'standalone' in 1997. Every issue, we bring you easy-to-follow modelling projects that you can complete without breaking the bank, inspirational photographs of the best model railways and thorough, unbiased reviews so you can make the most informed choices when spending your money. Don't forget our own model ranges - see p18, 36 and 110.

From the archives Britain's Model Trains 2009

Can it really be ten years since we launched *Britain's Model Trains*? It was the only publication around that rated and reviewed every RTR locomotive, coach and wagon in 'N', 'OO' and 'O' - and, ten years later, it still is! The 2019 edition is due out in March, with over 1,000 models - order from www.greatmagazines.co.uk

Star reviews: Over 250 of them!



Contents



Cover: Chris Nevard's 'Catcott Burtle'. Turn to page 40 to learn how to build the ultimate goods yard. CHRIS NEVARD

Opening the box

6 Accurascale and Revolution Trains join forces for a new Mk 5, plus a round-up of Bachmann's 2019 releases - and much more.

16 **Model of the Year results**
Your votes are in - it's time to reveal what you think deserves the title of Model of the Year.



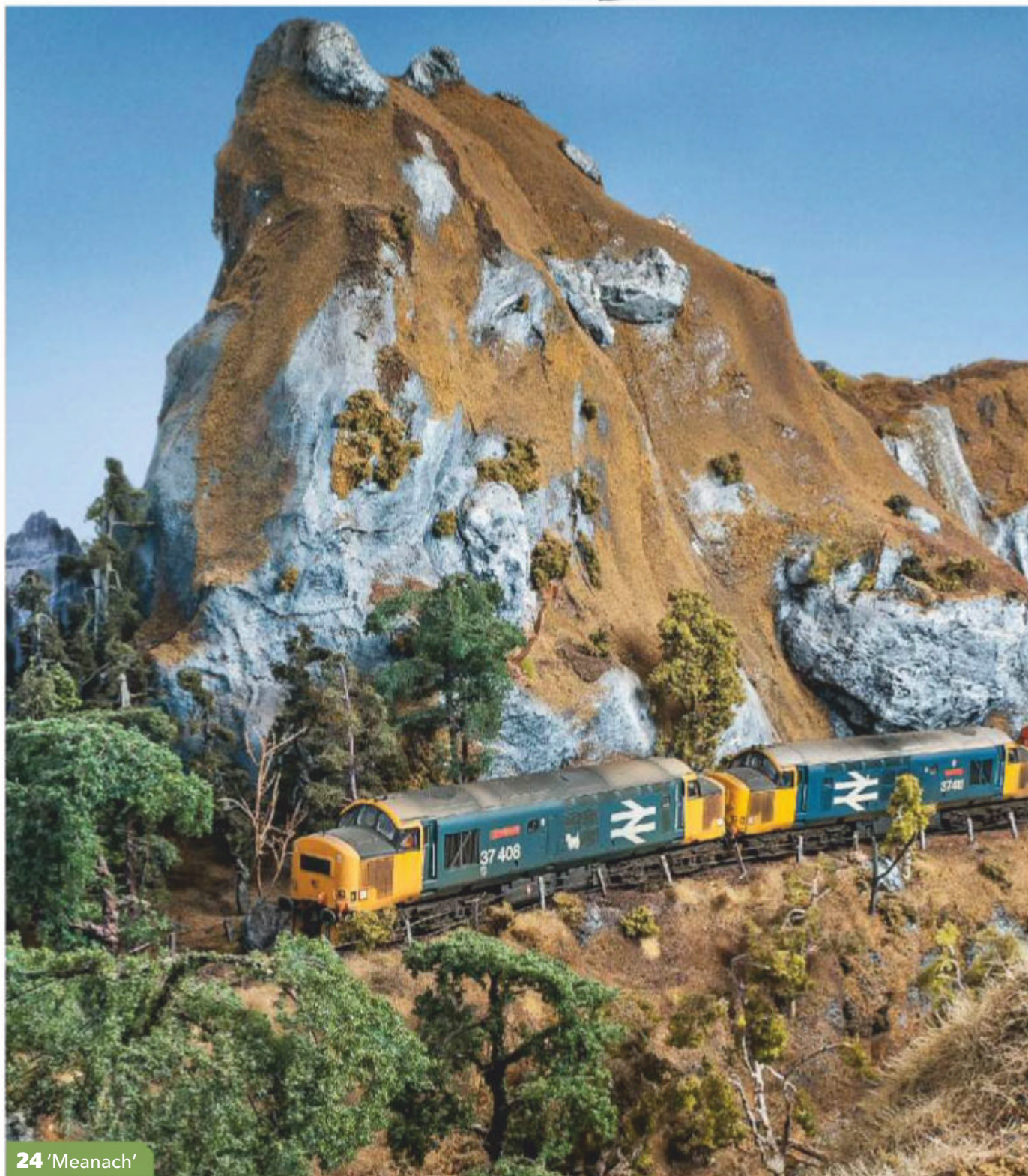
21 **According to Chris...**
With the arrival of our 'J70', Chris reminisces about the W&U tramway.

Features

24 **Fantasy Highland**
Ian Morgan's Highlands layout was inspired by memories of a childhood holiday.

58 **Masterclass**
Richard Foster and Grahame Hedges show you how to model the Maunsell 'Z'.

66 **In a transport of delight**
Paul Gosden's second busman's holiday layout is a shrine to rail and Routemasters.



85 Reviews

Hornby's 'Lord Nelson', Oxford Rail's 'N7', Hornby's 'J36', Heljan's 'OO9' Manning Wardle, Hornby's streamlined 'Duchess' and Irish Railway Models' Tara Mines bogie ore wagons.



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



Workbench

NEW Skills Station Pt1

38 George Dent presents an introduction to airbrushing.

40 **Model a goods yard**
George creates a diorama of a typical pre-1980s wayside goods yard.

48 **Build a container crane**
Peter Marriott builds Bachmann's giant container terminal crane.

52 **Make an urban street**
Peter's back again, showing you how to model the perfect road surface.

56 **Build a retro wagon kit**
Chris Leigh brings a vintage kit up to modern standards.



56 Build a retro kit



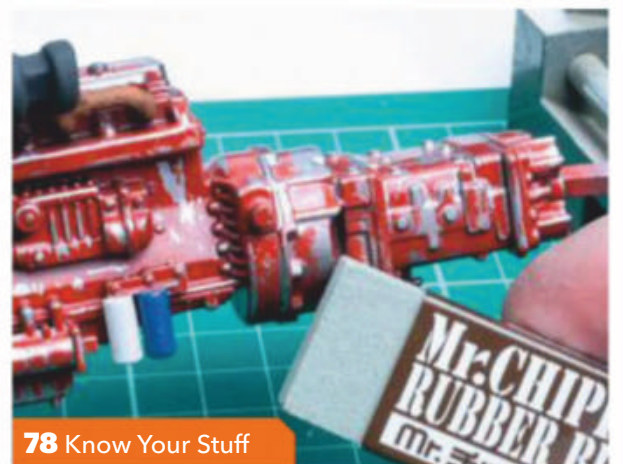
Pt1 Skills Station



40 Build a goods yard



48 Build a container crane



78 Know Your Stuff



104 The Club Room

Regulars

18 **Order your 'J70'**
Turn to page 18 to order your exclusive 'J70' O-6-OT.

22 **Subscribe to *Model Rail***
Find out how to get *Model Rail* for just £3.50 a month.

36 **Order your 'USAs'**
Turn to page 36 to order your exclusive 'OO' gauge 'USA' O-6-OT.

78 **Know Your Stuff**
Our team of experts answer your queries and offer dozens of top tips.

104 **The Club Room**
The section about you, the *Model Rail* reader. Includes Exhibition Diary.

110 ***Model Rail* exclusives**
Turn to page 110 to order from our exclusive models and publications.

112 **Next Issue**
A sneak peek at what's in store for the next exciting issue of *Model Rail*.

145 **Present your case**
The place to voice your opinion on potential new models.

146 **Backscene**
This month's miscellaneous musings from the *Model Rail* team.

Opening the box

The latest happenings from the world of model railways

COUPLED UP FOR NEW Mk 5

Accurascale and Revolution Trains have joined forces to produce the new Mk 5 coaches in both 'OO' and 'N' respectively. Both organisations are working exclusively with CAF, lessor Beacon Rail and Caledonian Sleeper.

The Mk 5s are the first new locomotive-hauled coaches built for Britain's national network since the Mk 4s of 1989. Caledonian Sleeper ordered 75 Mk 5s from Spanish train builder CAF in 2015 to replace its Mk 2 and Mk 3 vehicles. TransPennine Express followed suit in 2016 with an order for 66 Mk 5a vehicles, which are destined to run in 12 five-car sets (with spares).



The models' exact specifications have yet to be confirmed but will feature key differences between the Mk 5 and Mk 5a, such as the width, detail differences in the roofs,

underframes and the length of the Mk 5a Driving Trailer. Modellers can expect switchable interior lighting and fully detailed and painted interiors. Prices have yet to be finalised in

either scale, but Mk 5a coaches are expected to come in five-coach book packs. Revolution's 'N' gauge Mk 5s will be funded using its established 'crowd funding' system.



TOM SMITH

ACCURASCALE/REVOLUTION Mk 5 COACHES

What's planned?

- ◆ Mk 5 Sleeper, Caledonian Sleeper
- ◆ Mk 5 Accessible Sleeper, Caledonian Sleeper
- ◆ Mk 5 Club Car, Caledonian Sleeper
- ◆ Mk 5 Lounge Car, Caledonian Sleeper
- ◆ Mk 5a Driving Trailer, TransPennine Express
- ◆ Mk 5a Standard Lavatory, TransPennine Express
- ◆ Mk 5a Standard, TransPennine Express
- ◆ Mk 5a First Class/Buffer, TransPennine Express

Price? TBC

What stage is it at? CAD design under way

When's it due? 2019/2020

Where can I find out more?

Revolution Trains ('N' gauge version) **Web:** www.revolutiontrains.com
Accurascale ('OO' gauge version) **Web:** www.accurascale.co.uk

ELECTRIFYING SPEC

Accurascale is to produce an all-new 'OO' gauge Class 92 to complement its forthcoming Mk 5 coaches. It's promised an extensive 'spec' sheet, with heavy tungsten alloy chassis, lots of separately fitted detail and key differences catered for between locomotives. The '92'

will also boast a raising/lowering pantograph and sound-fitted options, using ESU's Loksound V5 decoder.

CAD design work is well advanced and Accurascale expects that tooling will start shortly. Prices have yet to be confirmed.



OO GAUGE ACCURASCALE CLASS 92 Co-Co

What's planned?

- ◆ 92001 Victor Hugo, EWS maroon
- ◆ 92003 Beethoven, Railfreight Distribution, unbranded
- ◆ 92009 Marco Polo, DB Schenker red
- ◆ 92018, Caledonian Sleeper teal
- ◆ 92020, GBRf blue
- ◆ 92032 IMechE Railway Division, GBRf Europorte livery
- ◆ 92036 Bertolt Brecht, Railfreight grey with EWS branding
- ◆ 92038, Caledonian Sleeper teal, Eurotunnel logos
- ◆ 92042, DB Schenker red, Eurotunnel logos
- ◆ 92043 Debussy, EuroPorte 2 livery 'triple grey'
- ◆ 92022 Charles Dickens, Railfreight Distribution livery

Price? TBC

What stage is it at? CAD design under way

When's it due? 2020

Where can I find out more? www.accurascale.co.uk



OXFORD'S NORTH EASTERN PROMISE

Oxford Rail has chosen one of the true icons of the last days of steam as its fourth 'OO' gauge locomotive. The highlight of Oxford's 2019 range, the ex-LNER 'J27' 0-6-0s, were the oldest steam locomotives at work on BR, when steam finished on the North Eastern Region on September 9 1967.

Originally classified 'P3', they were a continuation of Wilson Worsdell's North Eastern Railway heavy freight 0-6-0 and some 115 were built between 1906 and 1923. The final 35 incorporated design tweaks made by Worsdell's successor, Vincent Raven. The last one, No. 2392, was actually built by the LNER (as 'J27') in 1923. It survived until September 9 1967 and was bought for preservation by the North Eastern Locomotive Preservation Group.

Oxford's model is set to include numerous modifications made to the class during its lifetime. These are set to include saturated and super-heated boilers, whistle positions and different buffers.



TIM STEVENS



OXFORD RAIL LNER 'J27' 0-6-0

What's planned?

- ◆ OR76J27001: No. 1010, LNER unlined black
- ◆ OR76J27002: No. 65837, BR black, early emblem
- ◆ OR76J27003: No. 65817, BR black, late emblem
- ◆ OR76J27004: No. 1214, L&NER lined black

Price? £109.95 (£209.95 sound-fitted)

What stage is it at? Tooling has started

When's it due? 2020

Where can I find out more? www.oxfordrail.com

2019 OXFORD RAIL HIGHLIGHTS

- ◆ OR76AR009: 'East Kent Railway Centenary Pack', comprising an Adams 'Radial' 4-4-2T as EKR No. 5 and two five-plank open wagons in Tilmanstone Colliery livery
- ◆ OR76MW5006: five-plank open wagon No. 151, Tilmanstone Colliery livery
- ◆ OR76MW7013W: seven-plank open wagon No. P58699, BR weathered grey
- ◆ OR76MW7021W: seven-plank open wagon No. 15, heavily weathered Kobo livery
- ◆ OR76SPWAG01: triple pack of seven-plank open wagons; Steetley grey, McKelvie & Co red and Milner, Thomas & Co red
- ◆ OR76DG010: 'Dean Goods' 0-6-0 No. 2534, Great Western unlined green
- ◆ OR76ACC01: GWR snowplough
- ◆ OR76BOOM03: 18in howitzer HMG *Boche Buster*
- ◆ OR76ROR007: Land Rover Defender 90/Aquarius ro-rail, Carillion livery

PROJECTS ON HOLD

Oxford Rail's Scott Rhodes has told *Model Rail* that a couple of forthcoming projects are on hold, although he stresses that they haven't been cancelled: these are the Class A and Class B tank wagons announced in 2017 (MR232) and the Virgin Trains-liveried Mk 3 coaches. There will also be no new releases in the Oxford Structures range in the near future.

LOW-RELIEF RANGE

Petite Properties has expanded its range of low-relief 1:76 scale buildings with a pair of terraced houses (Station Road Terrace Rear, £11.99), two small industrial buildings (Parker's Lock Up and Harper's Yard, both £6.99 each) and

a larger warehouse (Brown & Son, £9.99). As with all Petite Properties kits, you only get the laser-cut wood frame, so you'll need to choose your type of finish to complete.
Availability: Petite Properties
Tel: 01526 328738
Web: www.petitepropertiesltd.com



CHRIS NEVARD

BACHMANN 2019 RELEASES

Bachmann Europe's 2019 release programme reflects the challenges it faces. Enforced factory moves in China and a large backlog of products in development means that new tooling for 2019's Branchline and Graham Farish ranges is limited to three new wagons in order to allow design teams in Britain and China to catch up.

The 2019 range launch was preceded by a Bachmann announcement that four projects have been "deferred from our range at this time". These are the revamped Branchline 'J39', Branchline 'Prestwin' wagon, all-new Graham Farish 'J72' and the return

of the Farish prototype *Deltic*.

It's not all doom and gloom, for Bachmann reports that its new facility in Gaobu is fully operational, with nearly 70% of the workforce having transferred to the new site. The Narrow Gauge range continues to blossom with a range of Royal Naval Armaments Depots rolling stock.

Bachmann continues to push technical innovation, with more sound-fitted locomotives in both 'N' and 'OO'. The Branchline and Farish catalogues also contain the welcome return of some old favourites which haven't been produced for several years.

On the right you'll find a full breakdown of 2019's selection of new products.



DAVID LOVE/BACHMANN

009 GAUGE NARROW GAUGE BAGULEY-DREWRY 70HP 4WDH What is it?

Baguley-Drewry built these 4WDHs for the Royal Navy's 2ft 6in Royal Naval Armaments Depots' railways at depots such as Trecwn, near Fishguard, Dean Hill in Hampshire and Broughton Moor in Cumbria. These depots were closed in the 1990s/2000s and many of the 60/70hp diesels entered preservation, with some being re-gauged to 1ft 11½in.

What's planned?

- ◆ 392-025: DH88, RNAD Dean Hill yellow
- ◆ 392-026: 3752/80, plain green

Price? TBC

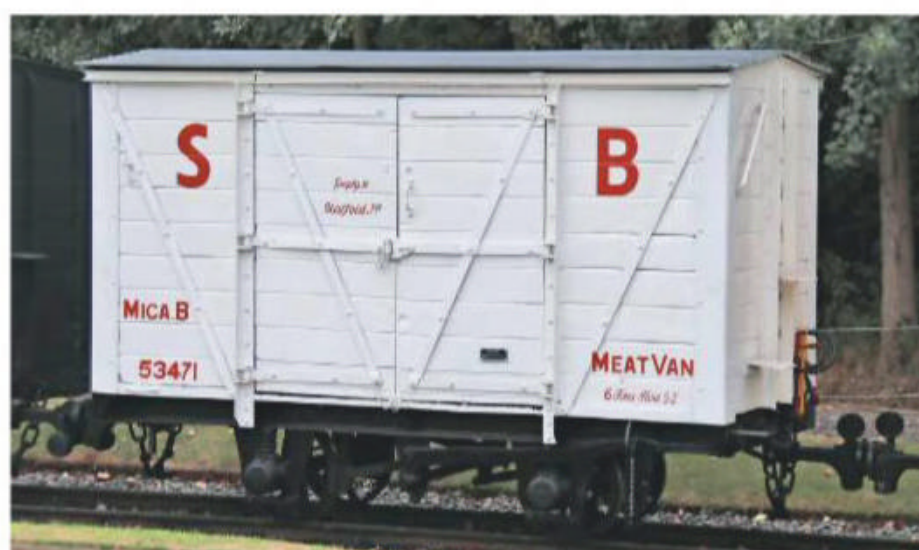


ANDREW SIMMONDS/BACHMANN

009 GAUGE NARROW GAUGE RNAD 4w FLAT WAGON What's planned?

- ◆ 393-175: RNAD grey, end stanchions
- ◆ 393-176: Statfold Barn Railway grey, 'Serpent B' lettering

Price? TBC



ANDREW SIMMONDS/BACHMANN

009 GAUGE NARROW GAUGE RNAD 4w VAN What's planned?

- ◆ 393-125: RNAD grey
- ◆ 393-127: Statfold Barn Railway white, 'Mica B' lettering

Price? TBC

ANDREW SIMMONDS/BACHMANN



009 GAUGE NARROW GAUGE RNAD 4w BRAKE VAN What's planned?

- ◆ 393-100: RNAD grey, enclosed sides
- ◆ 393-101: Statfold Barn Railway brown, open sides

Price? TBC

ANDREW SIMMONDS/BACHMANN



009 GAUGE NARROW GAUGE RNAD 4w OPEN WAGON What's planned?

- ◆ 393-150: Statfold Barn Railway grey, 'Loco Coal' lettering
- ◆ 393-151: Welsh Highland Railway red

Price? TBC



N GAUGE GRAHAM FARISH WD 'PARROT' WAGON

The 'Parrot' was an LNWR bogie flat wagon, 250 of which were built for the ROD. The LMS would inherit over 150 ex-military 'Parrots' from the Midland Railway, Caledonian

Railway and LNWR, along with those built for the LNWR.

What's planned?

◆ 373-350: WD Grey

◆ 373-351: LMS Grey

Price? TBC



00 GAUGE BRANCHLINE EWS HKA BOGIE WAGON

Former National Power JMA bogie hopper, fitted with new bogies by EWS. Will come with plug-in buffers to represent 'inner' and 'outer' vehicles.

What's planned?

◆ 38-036: National Power blue/grey

◆ 38-037: National Power blue/grey, de-branded

◆ 38-038: DB Schenker

Price? £59.95-£64.95

N GAUGE GRAHAM FARISH EWS HKA WAGON

◆ 373-811: National Power blue/grey
◆ 373-812: National Power blue/grey, de-branded
◆ 373-813: DB Schenker red
Price? £44.95-£48.95



WARRIOR CLASS

Bachmann's acclaimed parallel boiler 'Patriot' will return in 2019 as No. 5551 *The Unknown Warrior* (31-215). The new model will sport the tender

modifications incorporated by the replica No. 5551, which is currently under construction. A sound-fitted option will also be available (31-215SF).



OFF THE RAILS...

Bachmann's acquisition of the EFE and Pocketbond ranges means that there are new forms of 'motive power' beyond the locomotive coming in 2019!

EFE: Work continues on two new pieces of tooling - the Volvo Olympian with Northern Counties Palatine I body and the open-top Leyland Atlantean - along with a revamp of the existing Routemaster 'long' (RML) tooling.

Pocketbond: Bachmann has commissioned five exclusive 'Easy Model' aircraft to commemorate

the 75th anniversary of D-Day this June. The ready-assembled plastic 'planes comprise Eurofighter Typhoon ZK308, North American P-51D Mustang 'Frenesi', Supermarine Spitfire Mk V AB910, Hawker Typhoon Mk 1B MN235 and Hawker Hurricane II in Air Despatch Letter Service markings.

Academy Model Kits: This branch of the Pocketbond family will celebrate its 50th 'birthday' in 2019 with a new 1:400 scale kit of RMS *Titanic*, complete with LED lighting.

2019 BRANCHLINE HIGHLIGHTS: STEAM

◆ 32-216A: GWR '57XX' 0-6-0PT No. 5775, BR black, late emblem

◆ 32-217A: GWR '57XX' 0-6-0PT No. L94, London Transport maroon



◆ 32-199: GWR '8750' 0-6-0PT No. 3738, GWR black

◆ 32-205A: GWR '8750' 0-6-0PT No. 8771, BR lined black, early emblem

◆ 31-460A: SECR 'C' 0-6-0 No. 583, SECR green

◆ 31-168A: LYR '5' 2-4-2T No. 10730, LMS crimson



◆ 31-171: LYR '5' 2-4-2T No. 1042, LYR lined black

◆ 31-443: LMR '2MT' 2-6-2T No. 41227, British Railways lettering

◆ 32-875A: LMS Fairburn 2-6-4T No. 2245, LMS black

◆ 31-933A: LMS '4P' 4-4-0 No. 41143, BR lined black, late emblem



◆ 31-932: LMS '4P' 4-4-0 No. 41123, BR lined black, early emblem

◆ 31-186A: LMS 'Jubilee' 4-6-0 No. 45654 *Hood*, BR lined green, late emblem*

◆ 32-550D: 'A1' 4-6-2 No. 60163 *Tornado*, BR lined green, late emblem*



◆ 31-716A: LNER 'B1' 4-6-0 No. 61076, BR lined black, weathered

◆ 31-717: LNER 'B1' 4-6-0 No. 1264, LNER green



◆ 32-954A: BR '4MT' 2-6-0 No. 76084, BR2A tender, lined black, early emblem

◆ 32-956: BR '4MT' 2-6-0 No. 76066, BR1B tender, lined black, weathered

◆ 31-976B: BR '3MT' 2-6-2T No. 82041, BR lined green, late emblem

◆ 31-982: BR '3MT' No. 82018, BR lined black, late emblem, weathered

◆ 32-852A: BR '9F' 2-10-0 No. 92069, BR1F tender, BR black, early emblem



◆ 32-859A: BR '9F' 2-10-0 No. 92212, BR1B tender,

BR black, late emblem
* 'Sound-fitted' option also available

2019 NARROW GAUGE HIGHLIGHTS

◆ 391-030: Baldwin 4-6-0PT No. 4, Snailbech District Railway black

◆ 391-032: Baldwin 4-6-0PT No. 763 *Sid*, Southern Railway green



◆ 393-025A: WDLR ambulance van, WDLR grey

◆ 393-025A: WDLR ambulance van, Nocton Estates grey, WDLR grey

◆ 393-029: WDLR ambulance van, Express Dairy blue

◆ 393-030: WDLR ambulance van, Southern Railway yellow



◆ 393-050A: WDLR bogie open, WDLR grey

◆ 393-050A: WDLR bogie open, Nocton Estate grey

◆ 393-052A: WDLR bogie open, ALR grey

◆ 393-056: WDLR bogie open, ICI red

◆ 393-076: TR two-bar slate wagon, red livery

THE SOUND SITUATION

Bachmann has new branding to make it easier to know what sound options its Branchline, Farish and Narrow Gauge models come with.

'Sound-fitted': Locomotives with sound speakers and sound decoders. 'Sound-fitted' models will work on DCC or analogue layouts. Analogue users will have authentic synchronized sound when power is applied but won't get the full functionality that DCC users will get. For example, analogue users won't be able to activate whistles or horns at the touch of a button.

'Speaker-fitted': Models will come with a factory-fitted sound

speaker but NOT a DCC sound decoder. You will need to fit a sound decoder to get your model to make noise.

'Speaker-ready': These models have been designed with *space for a speaker*. You will need to source both the speaker and the sound decoder.

Bachmann intends that all new tooling, such as its Branchline 'J72' and Class 90 and Farish '8F' and 'C' 0-6-0 will come with factory-fitted speakers ('Speaker-fitted'). It will only be very small items, such as the forthcoming Narrow Gauge 'Quarry Hunslet', that won't have sound options due to the very limited

space in which to physically fit the speaker.

The new 'sound policy' has resulted in a late change to Bachmann's forthcoming Class 158 and 159 DMUs. All three of the first tranche of '158s' - Regional Railways 158849, East Midlands Trains 158773 and GWR 158766 - will be available with sound, as will Network SouthEast Class 159 159013.

Bachmann plans to fit sound into more of its Graham Farish models. The Maunsell 'N' was the first locomotive to undergo this upgrade and it will be followed by the BR '5MT' 4-6-0, the Class 14 and the Class 60. 'Sound-fitted'

models will have Next18 decoder sockets but this means, for example, that some Class 60s will have a Next18 socket while others retain the six-pin socket.

Bachmann also recognises that some modellers will want the livery that a 'Sound-fitted' model carries but not necessarily the sound equipment itself. Therefore, 'Sound-fitted' models launched from 2019 also have a 'Speaker-fitted' counterpart. The exceptions to this are Narrow Gauge Baldwin 4-6-0PT No. 590 in Welsh Highland Railway maroon (391-031DS) and Graham Farish '5MT' 4-6-0 No. 73049 in BR green (372-728SF).

2019 BRANCHLINE HIGHLIGHTS: DIESEL & ELECTRIC

◆ 32-114B: Class 08 0-6-0DE 13052, BR black, early emblem

◆ 32-116B: Class 08 0-6-0DE D3881, BR green with wasp stripes, weathered

◆ 32-027C: Class 20 Bo-Bo D8035, BR green*

◆ 32-046: Class 20 Bo-Bo 20201, BR blue*

◆ 32-790A: Class 37/0 Co-Co 37012 *Loch Rannoch*, 'Large Logo' blue*

◆ 32-394: Class 37/5 Co-Co 37521, Colas orange/black*

◆ 32-395: Class 37/5 Co-Co 37669, WCRC maroon*



◆ 32-486: Class 40 1Co-Co1 40142 BR blue*

◆ 32-487: Class 40 1Co-Co1 D213 *Andania*, BR green, yellow panels

◆ 32-682: Class 45/0 1Co-Co1 D53 *Royal Tank Regiment*, BR green, yellow panels*

◆ 32-701A: Class 46 1Co-Co1 46020, BR blue*

◆ 31-664: Class 47/0 Co-Co 47050, Railfreight grey, weathered*

◆ 31-665: Class 47/7 Co-Co 47711 *Greyfriars Bobby*, 'Large Logo', blue*



◆ 32-806: Class 47/0 Co-Co D1842, BR two-tone green*

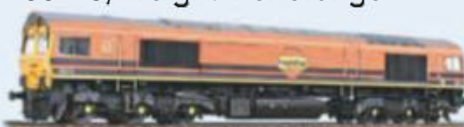
◆ 32-807: Class 47/4 Co-Co 47435, BR blue*

◆ 32-529C: Class 55 Co-Co D9010 *The King's Own Scottish Borderer*, BR two-tone green*

◆ 32-532A: Class 55 Co-Co 55003 *Meld*, BR blue*

◆ 32-756A: Class 57/6 Co-Co 57602 *Restormel Castle*, GWR green*

◆ 32-739: Class 66/4 Co-Co 66413, Freightliner orange*



◆ 32-740: Class 66/7 66789 *British Rail 1948-1997*, GBRf 'Large Logo'*

◆ 32-741: Class 66/7 Co-Co 66783 *The Flying Dustman*, GBRf/Biffa red*

◆ 31-676A: Class 85 Bo-Bo E3057, BR 'electric' blue

◆ 32-518: 'Derby Lightweight' two-car DMU, BR green

◆ 32-285A: Class 101 two-car DMU, BR green*

◆ 31-325A: Class 105 two-car DMU, BR blue, weathered

◆ 32-908: Class 108 two-car DMU, BR blue/grey

◆ 32-929: Class 150/1 two-car DMU, BR Provincial, with passengers*



◆ 31-236A: Class 205 DEMU 1121, BR green, yellow panels, weathered

◆ 31-238A: Class 205 DEMU 1122, BR blue, weathered

◆ 31-239A: Class 205 DEMU 205001, Network SouthEast revised, weathered



◆ 31-426C: Class 411 four-car EMU 7122, BR green

◆ 31-427C: Class 411 four-car EMU 7106, BR blue/grey

◆ 31-381: Class 416 two-car EMU 6262, BR blue/grey, weathered

◆ 31-265A: Class 419 MLV S68002, BR green

◆ 31-267A: Class 419 MLV S68008, BR blue/grey



*'Sound-fitted' option also available



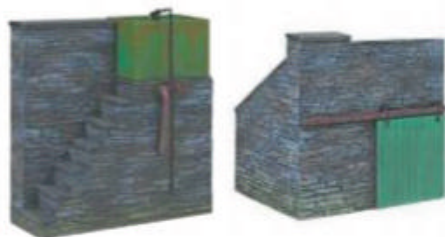
SCENECRAFT EXPANSION

Bachmann's Scenecraft range of resin buildings and accessories in both 4mm:1ft and 2mm:1ft scales continues to expand every year. Some notable inclusions in the 2019 range are the return of the four-road LMS locomotive shed and single-road traction maintenance depot in 'OO', and a new 'Traction Servicing Depot' in 'N' (42-178).

There is a whole host of useful,

low-relief items in both scales, ranging from the 'N' gauge block of flats (42-265) to some Cotswold stone-style cottages and shops in 'OO' (44-295/44-296). The forthcoming 'Quarry Hunslet' and slate wagons will be complemented

by a new range of Narrow Gauge buildings inspired by structures found at Dinorwic slate quarry and the Padarn Railway.



2019 BRANCHLINE HIGHLIGHTS: COACHES

- ◆ 39-604: SECR 'Birdcage' Brake Composite, SECR 'Wellington brown'
- ◆ 39-614: SECR 'Birdcage' Composite, SECR 'Wellington brown'
- ◆ 39-624: SECR 'Birdcage' Brake Third, SECR 'Wellington brown'



- ◆ 39-526A: SR PMV van, BR crimson
- ◆ 39-551A: Mk 1 CCT, BR blue
- ◆ 39-425A: Mk 1 Sorting van, Royal Mail blue/grey
- ◆ 39-430A: Mk 1 Sorting van, Royal Mail red
- ◆ 39-227A: Mk 1 GUV, BR Property Board blue
- ◆ 39-275A: Mk 1 GUV, Royal Mail red
- ◆ 39-175F: Mk 1 BG, BR blue/grey
- ◆ 39-180A: Mk 1 BG, InterCity grey
- ◆ 39-189: Mk 1 BG, ScotRail grey
- ◆ 39-184B: Mk 1 BG, Royal Mail red
- ◆ 39-200D: Mk 1 'Super BG', Rail Express Systems livery
- ◆ 39-025E: Mk 1 SK, BR blue/grey

- ◆ 39-059: Mk 1 TSO, WCRC maroon
- ◆ 39-083: Mk 1 BSK, WCRC maroon
- ◆ 39-266: Mk 1 RMB, WCRC maroon
- ◆ 39-354: Mk 2a TSO, WCRC maroon
- ◆ 39-334: Mk 2a FK, ScotRail grey
- ◆ 39-353: Mk 2a TSO, ScotRail grey



- ◆ 39-654: Mk 2f FO, Virgin red/grey**
- ◆ 39-679: Mk 2f TSO, Virgin red/grey**
- ◆ 39-687: Mk 2f RFB, Virgin red/grey**
- ◆ 39-654: Mk 2f BSO, Virgin red/grey**
- ◆ 39-680: Mk 2f TSO, ScotRail 'saltire' blue
- ◆ 39-704: Mk 2f BSO, ScotRail 'saltire' blue
- **DCC-fitted options also available



2019 GRAHAM FARISH HIGHLIGHTS: DIESEL & ELECTRIC

- ◆ 371-013: Class 08 0-6-0DE 13287, BR plain green
- ◆ 371-015D: Class 08 0-6-0DE 08818, BR blue weathered
- ◆ 372-950: Class 14 0-6-0DH D9522, BR green*
- ◆ 372-954: Class 14 0-6-0DH D2/9531, NCB orange/black
- ◆ 372-955: Class 14 0-6-0DH D9523, maroon
- ◆ 372-981: Class 24 Bo-Bo D5100, BR green, yellow panels
- ◆ 372-979A: Class 24 Bo-Bo D5053, BR two-tone green



- ◆ 372-979A: Class 24 Bo-Bo 24064, BR blue
- ◆ 371-453A: Class 37 Co-Co D6984, BR green, warning panels
- ◆ 371-465A: Class 37 Co-Co 37284, BR blue
- ◆ 371-466A: Class 37 Co-Co 37046, Engineer's 'Dutch'
- ◆ 371-472: Class 37 Co-Co 37242, Mainline Freight, weathered
- ◆ 371-164: Class 37/4 Co-Co 37428 David Lloyd George, Railfreight Petroleum sector
- ◆ 371-173: Class 37/5 Co-Co 37521, Colas livery
- ◆ 371-172: Class 37/5 Co-Co 37669, WCRC maroon
- ◆ 371-180A: Class 40 1Co-Co1 D248, BR plain green*
- ◆ 371-185: Class 40 1Co-Co1 D338, BR green, warning panels
- ◆ 371-184: Class 40 1Co-Co1 40012 Aureol, BR blue



- ◆ 371-606 Class 42 B-B D820 Grenville, BR plain green
- ◆ 371-600B: Class 42 B-B D809 Champion, BR maroon



- ◆ 371-601B: Class 42 B-B 812 The Royal Naval Reserve 1859-1959, BR blue
- ◆ 371-829: Class 47/4 Co-Co 47435, BR blue



- ◆ 372-250: Class 47/4 Co-Co 47436, 'Large Logo' blue
- ◆ 372-262: Class 47/7 Co-Co 47745 Royal London Society for the Blind, Res livery*
- ◆ 371-289: Class 55 Co-Co D9001 St. Paddy, BR two-tone green, yellow ends, weathered
- ◆ 371-661: Class 57/3 Co-Co 57305 Northern Princess, DRS Northern Belle maroon/cream



- ◆ 371-359: Class 60 Co-Co 60100 Midland Railway - Butterley, DB red



- ◆ 371-360: Class 60 Co-Co 60095, GBRf livery



- ◆ 371-358A: Class 60 Co-Co 60096, Colas livery*
- ◆ 371-388: Class 66/4 Co-Co 66413, Freightliner orange
- ◆ 371-389: Class 66/7 Co-Co 66789 British Rail 1948-1997, GBRf 'Large Logo'



- ◆ 371-506: Class 101 two-car DMU, BR blue/grey*
- ◆ 371-508: Class 101 two-car DMU, BR green, speed whiskers



- ◆ 371-333 Class 150/1 two-car DMU 150135, BR Provincial
- ◆ 371-334: Class 150/2 two-car DMU 150236, revised Arriva Trains Wales livery*
- ◆ 371-679: Class 220 four-car DEMU 220009, Arriva CrossCountry livery
- ◆ 371-680 Class 220 four-car DEMU 220018 Dorset Voyager, Virgin livery
- *'Sound-fitted' option also available

2019 GRAHAM FARISH HIGHLIGHTS: STEAM

- ◆ 371-986A: GWR '64XX' 0-6-0PT No. 6422, BR black, early emblem
- ◆ 372-936: SR 'N' 2-6-0 No. 1860, Southern wartime black
- ◆ 372-754: LMS Fairburn 2-6-4T No. 2278, LMS black, weathered
- ◆ 372-755: LMS Fairburn 2-6-4T No. 42062, BR lined black, late emblem
- ◆ 372-063: MR '4F' 0-6-0 No. 4057, LMS original black



- ◆ 372-064: MR '4F' 0-6-0 No. 43892, British Railways black

- ◆ 372-065: MR '4F' 0-6-0 No. 43931, BR black late emblem weathered
- ◆ 372-400A: LNER 'J39' 0-6-0 No. 4791, stepped tender, LNER black
- ◆ 372-401A: LNER 'J39' 0-6-0 No. 64897, flush tender, BR black early emblem



- ◆ 372-403A: LNER 'J39' 0-6-0 No. 64739, stepped tender, BR black, late emblem
- ◆ 372-727A: BR '5MT' 4-6-0 No. 73109, BR1B tender, BR black, early emblem
- ◆ 372-729: BR '5MT' No. 73050, BR1F tender, BR lined black, weathered

WHAT'S HAPPENING WITH...?

2019 should be the year when some long-awaited projects finally land on model shop shelves. Bachmann expects to ship the following products from China in the following quarters:

Q1
Branchline Class 90 Bo-Bo
Farish SECR 'Birdcage' coaches

Q2
Branchline 'Warflat' wagon
Branchline 'Parrot' wagon
Branchline LNER 'J72' 0-6-0T
Branchline ROD 2-8-0
Farish SECR 'C' 0-6-0
Farish TEA bogie tank wagon
Narrow Gauge TR two-bar slate wagons

Q3
Branchline Ransomes & Rapier 45t crane

Farish Class 70 (modified air intake)
Farish BR Mk 2f coaches

Q4
Branchline Class 24/0 Bo-Bo
Branchline Class 158 DMU
Branchline Class 159 DMU
Branchline Class 414 EMU
Branchline Class 117 DMU
Branchline Class 121 railcar
Farish LMS '8F' 2-8-0
Farish Thompson coaches

It is also expected that the first engineering prototypes of the Branchline Midland '1P' 0-4-4T and Hawksworth '94XX' 0-6-0PT will appear in Q1 2019, followed by the first engineering prototype of the Branchline Class 20/3 Bo-Bo in Q2.

2019 GRAHAM FARISH HIGHLIGHTS: COACHES



- ◆ 374-614: WR Autocoach, GWR chocolate/cream
- ◆ 374-587: Hawksworth BG, BR blue



- ◆ 374-632A: SR 'Bogie B', BR blue
- ◆ 374-418: SR PLV, Southern green
- ◆ 374-419: SR CCT, Departmental olive
- ◆ 374-885A: LMS 50ft BG, LMS crimson
- ◆ 374-892: LMS 50ft BG, Tartan Arrow livery
- ◆ 374-891: LMS 50ft BG, BR blue/grey
- ◆ 374-038A: Mk 1 BG, WR chocolate/cream

- ◆ 374-123: Mk 1 RU, WR chocolate/cream
- ◆ 374-011C: Mk 1 TSO, SR green
- ◆ 374-010E: Mk 1 TSO, BR crimson/cream
- ◆ 374-160A: Mk 1 FK, BR crimson/cream
- ◆ 374-815A: Mk 1 FO, BR crimson/cream
- ◆ 374-271C Mk 1 57ft Second, BR maroon
- ◆ 374-281C Mk 1 57ft Composite, BR maroon
- ◆ 374-291C: Mk 1 57ft Second Open, BR maroon
- ◆ 374-310C: Mk 1 57ft Brake Second, BR maroon
- ◆ 374-130C: Mk 1 GUV, BR maroon
- ◆ 374-013D: Mk 1 TSO, BR blue/grey
- ◆ 374-062D: Mk 1 SK, BR blue/grey

- ◆ 374-122A: Mk 1 RU, BR blue/grey
- ◆ 374-137: Mk 1 GUV, Motorail blue/grey, weathered
- ◆ 374-164A: Mk 1 FK, BR blue/grey
- ◆ 374-188D: Mk 1 BSK, BR blue/grey
- ◆ 374-215: Mk 1 Pullman FO, BR blue/grey
- ◆ 374-045: Mk 1 GUV, Newspapers blue, weathered
- ◆ 374-015A: Mk 1 TSO, InterCity grey
- ◆ 374-138: Mk 1 GUV, InterCity grey
- ◆ 374-993: Mk 1 TSO & Mk 1 BSK, West Highland green/cream
- ◆ 374-995: Mk 2 TSO, Class 101 DTCL, West Highland green/cream
- ◆ 374-044A: Mk 1 BG, Royal Mail red

- ◆ 374-139: Mk 1 GUV, Royal Mail red
- ◆ 374-040A: Mk 1 BG, Network Rail yellow
- ◆ 374-089: Mk 1 BCK, Network Rail yellow



- ◆ 374-314: Mk 1 57ft Brake Second, Departmental yellow
- ◆ 374-644: Mk 1 CCT, RTC red/blue
- ◆ 374-680B: Mk 2a TSO, BR blue/grey
- ◆ 374-712: Mk 2a TSO, Regional Railways
- ◆ 374-996: Mk 2a TSO ScotRail & Mk 1 BG ScotRail twin-pack



COOL CONTAINERS

Miniature container specialist C-Rail Intermodal has added four new 'N' gauge 20ft octagonal tanks and one new 'OO' gauge 40ft high-cube container to its

range. The tanks are available in Stolt, Hoyer, Nichicon and Bulkhaul liveries and retail for £9.00 each. The 'OO' container is finished in One Ocean Network



Express colours (rrp £7.50).
Availability: C-Rail Intermodal
Tel: 01333 450976
Web: www.c-rail-intermodal.co.uk

BOTH: CHRIS NEVARD

NEW 'TERRIER' DUE SOON



Hornby delivered a New Year's surprise: an all-new 'Terrier'.

The little London Brighton & South Coast Railway 0-6-0T was not part of the 2019 range presentation made to the model railway press in December 2018 but had been included when the range went public on January 7.

Hornby has held a long-term plan to re-tool the 1989 vintage 'Terrier' that it acquired from Dapol in 1996. Development was already under way when Rails of Sheffield commissioned Dapol to produce an all-new 'Terrier' in May 2018 (MR247) and so Hornby has pulled it forward for 2019 release.

The initial range will comprise three original 'A1s' and three of the later 'A1X' variants. Hornby has also tooled the extended Isle of Wight bunker, which will follow at a later date.

Factory-decorated samples

have arrived at Hornby's Margate HQ, but minor corrections will be made before production is authorised. However, it's hoped that the new 'Terrier' will be in stock during early spring.



HORNBY LBSCR 'A1/A1X' 0-6-0T

What's planned?

- ◆ R3767: 'A1X' No. 32655, BR lined black, early emblem
- ◆ R3768: 'A1X' No. 32636, BR lined black, late emblem
- ◆ R3780: 'A1' No. 55 *Stepney*, LBSCR ochre
- ◆ R3781: 'A1' No. 5 *Rolvenden*, KESR blue
- ◆ R3782: 'A1' No. 751, SECR green
- ◆ R3783: 'A1X' No. 2662, Southern green

Price? From £89.99

What stage is it at? Factory-decorated samples

When's it due? Q1 2019



A GREENER OPTION

Canaan Country Ltd has launched a new range of plastic-free, environmentally friendly products called GreenScene. There are eight items of various grasses,



rocks and clump foliage that are made from natural and biodegradable sources.

Availability: GreenScene, Canaan Country Ltd, 11 Selby Road, Askern, Doncaster DN6 0ES.

Web: www.greenscene.online

FIVE OR SEVEN PLANKS?

Pennine Wagons has commissioned two wooden-bodied open wagons from Peco. The seven-plank version is in British Insulated & Helsby Cables Ltd livery, whereas the five-plank version carries Poynton

Collieries lettering.

Price: £15.00 each

Availability: Pennine Wagons, 34 Leith Court, Dewsbury, West Yorkshire WF12 0QP

Web: www.penninewagons.co.uk



'SMALL HOPPERS' PLANNED BY OO WORKS

OO Works' next locomotive is the LSWR 'K10' 4-4-0. These small mixed traffic locomotives were designed by Dugald Drummond and 40 were built at Nine Elms Works in 1901/02.

Although built with Drummond's troublesome watertube fireboxes, they put in sterling service after being rebuilt by Robert Urie in 1924. Surprisingly, withdrawals didn't start until 1947 but, by the end of 1949, all had gone.

OO Works is to produce three models, all with six-wheel tenders: No. 347

(Maunsell green); No. 389 (Southern wartime black), No. 30382 (BR black early emblem).

Price: £285.00-£295.00

Availability: OO Works

Tel: 01580 882185

Web: www.ooworks.co.uk



COLOUR RAIL



Incoming Updates on exciting new ready-to-run model projects



MINERVA MANNING WARDLE 'K' 0-6-0ST

Price? £264.00

What stage is it at?

Decorated samples

When's it due? Imminently - production has been delayed slightly by supply issues with the motor.

Where can I find out more?

www.minervamodelrailways.co.uk



ACCURASCALE 'CEMFLO' WAGON

Price? From £24.94

What stage is it at?

Decorated sample

When's it due? 2019

Where can I find out more?

www.accurascale.co.uk



ACCURASCALE PCA WAGON

Price? £69.95 (triple pack)

What stage is it at?

Decorated sample

When's it due? 2019

Where can I find out more?

www.accurascale.co.uk



dapol

model railway company

Dapol Limited, Gledrid Industrial Park, Chirk, Wrexham, LL14 5DG

Tel: 01691 774455
Fax: 01691 778866
e-mail: sales@dapol.co.uk

www.dapol.co.uk

Coming soon...

CLASS 68

NEW!



2D-022-008/D/S - Class 68 Rapid 68004 DRS Compass/DCC/DCC & Sound



2D-022-009/D/S - Class 68 Brutus 68019 Transpennine Express/DCC/DCC & Sound



2D-022-010/D/S - Class 68 68026 DRS Plain Blue/DCC/DCC & Sound



2D-022-011/D/S - Class 68 68034 DRS Compass/DCC/DCC & Sound

TERRIER



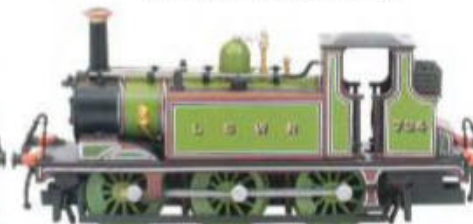
2S-012-009 - Terrier A1 LBSC Stroud Improved Engine Green Brighton Gold



2S-012-010 - Terrier A1X 32636 BR Lined Black Late Crest



2S-012-011 - Terrier A1 751 SECR Green



2S-012-012 - Terrier A1 734 LSWR Green

These are 1st Decorated Samples Copyright Dapol Ltd.

CLASS 142



ND116A/D - Class 142 Northern Rail 142065/DCC
ND116B/D - Class 142 Regional Railways 142081/DCC
ND116C/D - Class 142 Northern Spirit 142025/DCC
ND116D/D - Class 142 Arriva Trains Wales 142085/DCC
ND116E/D - Class 142 Tyne & Wear PTE 142021/DCC

CLASS 122



4D-015-006/D/S - Class 122 975042 (55019) NSE (Rt Learn)/DCC/DCC & Sound



4D-015-007/D/S - Class 122 55012 Loadhaul (Rt Learn)/DCC/DCC & Sound



4D-015-008/D/S - Class 122 55018 BR Green Speed Whiskers/DCC/DCC & Sound



4D-015-009/D/S - Class 122 55006 BR Green YP/DCC/DCC & Sound



4D-015-010/D/S - Class 122 M55003 BR Blue/DCC/DCC & Sound

- 2F-026-001 - HIA Freightliner Heavy Haul Hopper Green 369008
2F-026-002 - HIA Freightliner Heavy Haul Hopper Green 369052
2F-026-003 - HIA Freightliner Heavy Haul Hopper White 369027
2F-026-004 - HIA Freightliner Heavy Haul Hopper White 369044
2F-036-043 - Bulk Grain Hopper - BR Grey B885330
2F-036-044 - Bulk Grain Hopper - BR Grey B885330 Weathered

- 4F-016-108 - Banana Van - GWR Grey 95447
4F-016-109 - Banana Van - GWR Grey 95447 Weathered
4F-071-154 - 7 Plank - Gredford Wrexham 227
4F-071-155 - 7 Plank - Gredford Wrexham 227 Weathered
4F-080-124 - 8 Plank - Banks 352
4F-080-125 - 8 Plank - Banks 352 Weathered
4F-080-126 - 8 Plank - Llay Main 956 Grey
4F-080-127 - 8 Plank - Llay Main 956 Grey Weathered

Product Scale Key

O Gauge

OO Gauge

N Gauge

All product release dates correct at time of going to press

dapol

collectors

club

ONLY £25 PER YEAR
(Plus p&p)

ANNUAL OPEN DAY

4 NEWSLETTERS PER YEAR

IN GAUGES 'N' 'OO' & 'O'

FOR MORE INFORMATION CONTACT ANDREA / NEIL ON 01691 774455 OPTION 1 OR EMAIL club@dapol.co.uk

SPECIAL COMMISSION WAGONS

- YOUR CHOICE OF DAPOL BODY
- YOUR CHOICE OF LIVERY
- TURN AROUND IN JUST 3 MONTHS
- FROM JUST 100 IDENTICAL MODELS IN 'OO' OR 'N' 25 IN 'O'
- FOR MORE DETAILS CONTACT CLAIRE ON 01691 774455 OPTION 1 OR EMAIL studio@dapol.co.uk



THE RESULTS

Model Rail's Model of the Year competition is your chance to give model railway manufacturers a pat on the back for their excellent work. Every year, we ask you to vote for your favourite model from the past 12 months from the models reviewed in *Model Rail* (this time between issues MR243 and MR255). There were 13 categories to vote in - and these are the results!

OVERALL MANUFACTURER OF THE YEAR 2018

Winner Hatton's

2. Hornby

3. Bachmann Europe



'OO' GAUGE

Steam Locomotive of the Year

Winner Hatton's SECR 'P' 0-6-0T

2. Hatton's Andrew Barclay 0-4-0ST

3. Hornby LMS 'Duchess'



'N' GAUGE

'N' Gauge Model of the Year

Winner Revolution Trains/Rapido Trains Class 390 'Pendolino'

2. Dapol DRS Class 68 Bo-Bo

3. Dapol Maunsell Brake Third



'N' Gauge Manufacturer of the Year

Winner Revolution Trains/Rapido Trains

2. Dapol

3. N Gauge Society/Graham/Farish



Diesel & Electric Locomotive of the Year

Winner Bachmann Branchline Colas Class 70 (modified) Co-Co

2. Hornby GWR Class 800 DEMU
3. Dapol Class 121 railcar



Coach of the Year

Winner Rails of Sheffield/Rapido LNER Dynamometer car

2. Hornby SR Kitchen/Dining First
3. Bachmann Branchline Mk 2f First Open



Rolling Stock of the Year

Winner Hatton's Beilhack snowplough

2. Hatton's/Oxford Rail LMS ICI hoppers
3. Hornby LNER 'Toad E' brake van



'OO' Gauge Manufacturer of the Year

Winner Hatton's

2. Hornby
3. Bachmann Branchline



'O' GAUGE

Locomotive of the Year

Winner Dapol GWR '57XX' 0-6-0PT

2. Dapol LMS Class '3F' 'Jinty' 0-6-0T
3. Heljan GWR 'Large Prairie' 2-6-2T



Rolling Stock of the Year

Winner Hatton's 'Warwell' bogie wagon

2. Dapol BR 20t brake van
3. Darstaed Mk 1 coaches



'O' Gauge Manufacturer of the Year

Winner Dapol

2. Hatton's
3. Heljan



'OO9' SCALE

Locomotive of the Year

Winner Bachmann Narrow Gauge Baldwin '10-12-D' 4-6-0PT

2. Heljan L&B Manning Wardle 2-6-2T
3. Bachmann Narrow Gauge WDLR Ambulance van



'OO9' Manufacturer of the Year

Winner Bachmann Narrow Gauge

2. Heljan



Model Rail exclusives

Locomotives you can only buy from us!

LNER 'J70s'

Full interior
detail

MR-205
No. 68223,
British Railways
lettering, full skirts

Heavy
die-cast
chassis

Side skirt
fitted option

Specification list

Made by: Rapido Trains

Motor: Coreless

DCC socket: Six-pin

Features: NEM coupler
pockets, space for sound
speaker, sprung buffers,
removable cowcatchers,
poseable windows and end
doors, etched worksplates.

£127.50

£114.75 price for
subscribers

Sprung
buffers

MR-204
No. 68226, British
Railways lettering,
no skirts

Version without
side skirts

Order yours at WWW.MODELRAIL

EIGHT MORE TO CHOOSE FROM



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-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-210 No. 7139,
LNER lined livery



MR-209 No. 7137, LNER
unlined livery, full skirts

**ALL IN
STOCK NOW**

Poseable side and
end windows

Open or closed
end doors

Cowcatchers
without
coupler holes

NEM
Coupler
pockets

Cowcatcher
with coupler
holes

OFFERS.CO.UK OR 01209 613984

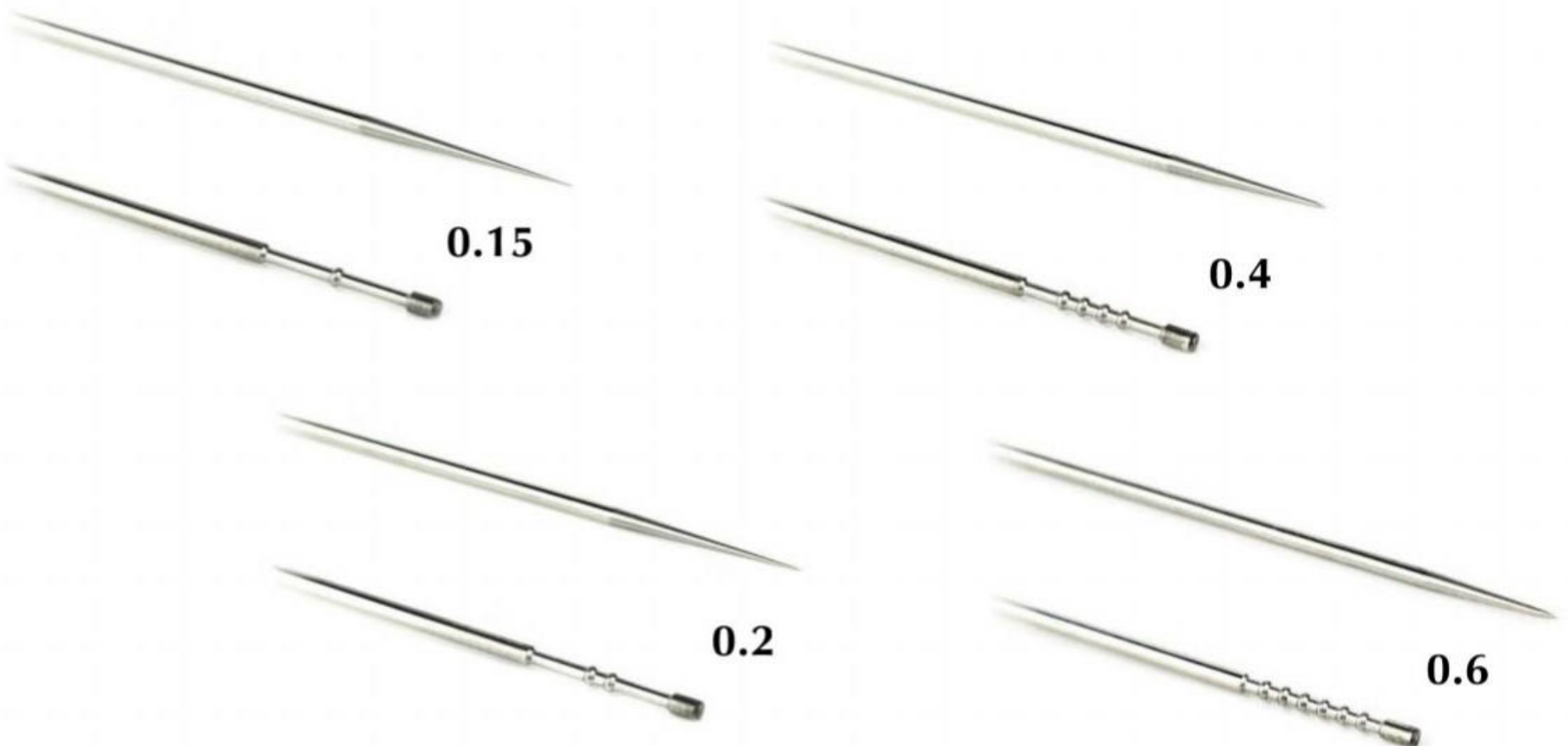
HARDER & STEENBECK

flexible system architecture
#notools



threadless nozzle
#notools

with our new needle design



more detail more control less tip dry harder material

PAINT EASY THE HARDER WAY

www.harder-airbrush.eu



According to Chris...

His grandchildren call him 'Granddad Trains' and he's been a dedicated railway modeller since the 1960s but, despite popular legend, **Chris Leigh** doesn't remember when dinosaurs roamed the Earth!

As delivery of the exclusive *Model Rail* 'J70' 0-6-0Ts becomes ever closer, I've become more and more engaged by the Wisbech & Upwell tramway. To be honest, it has fascinated me ever since I first saw *Toby the Tram Engine* in the Rev. W. Awdry's 'Thomas' series.

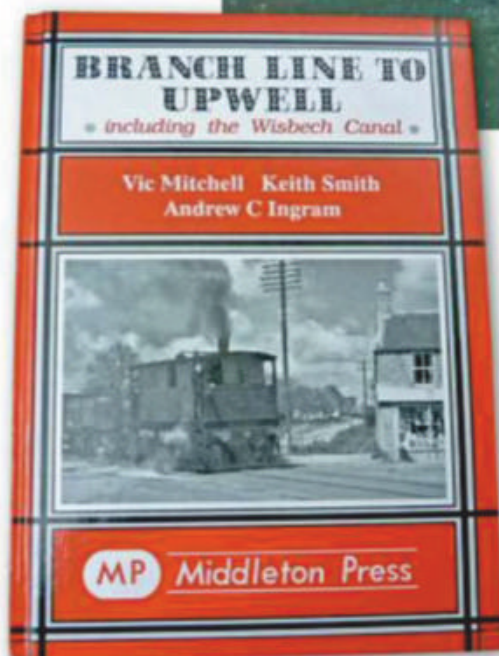
Wisbech, and the course of the tramway over six miles of Fenland roads to Upwell, is just a 40-minute drive from my home, so the temptation to go walkabout on a nice sunny day has occasionally proved too much to resist. There isn't much left to see. Even before the tramway closed in spring 1966, the parallel Wisbech canal had been filled in. The tramway put the canal out of business by carrying the coal for the drainage pumping stations from Wisbech to Outwell, where it was loaded into lighters for the last few miles of its journey.

When the Fenland drainage pumps switched to electric power, the tramway lost much of its inbound traffic. Outbound fruit and veg traffic switched to lorries in the post-war years, a change no doubt hastened by the 1955 national rail strike, when road hauliers grabbed the opportunity to tie shippers into long-term contracts.

My research has provided a graphic illustration of many other changes that have taken place over the half-century since the tramway succumbed. In the days of tramway passenger trains, pre-1929, many of the stops and crossings were known by the names of nearby pubs – the Royal Standard, the Duke of Wellington and the Blacksmiths Arms, for example. Of these pubs, one is now a funeral parlour, another has been demolished and the third is a Chinese restaurant.

The tramway itself was at the forefront of

“The tramway itself was at the forefront of change when it became the first line in the country to be fully dieselised”



Above: Just one or two tweaks are needed to my model of H.B. Brown's New Common Bridge shop. The sign and the crudely daubed 'ices' are traced and copied from the real thing.

Left: Part of H.B. Brown's New Common Bridge store appears in the photograph on the cover of this Middleton Press book.

change when, in 1952, it became the first line in the country to be fully dieselised. Photographs show that the cowcatcher and sideplate-fitted Drewry 0-6-0DMs (later Class 04) hauled short or very short trains, compared to those seen behind the 'J70s' just a few years earlier. Traffic was ebbing away.

The same photographs show that from the early 1960s the canal was being filled in. With little environmental awareness in those days, it was a convenient place to tip landfill, with a thin covering of soil which, 50 years on, limits its usefulness. Its loss has inevitably changed the look of many locations, and the more rural stretches of the in-filled canal are now curious long strips of

green between two parallel roads which were once on either bank of the canal.

Knowing that everything at the Upwell end has been built over, I started my research by going walkabout around Wisbech. The first location of significance was New Common Bridge, where the road and tramway crossed the Wisbech canal. The canal was disused for decades before being filled in during the 1960s. Today, a dual carriageway road occupies the site and the New Common Bridge name has disappeared from use, there being merely a five-way crossroads on the site.

In steam days, there was a handsome little grocer's shop beside the bridge. I hoped to find it was still there but, alas, I was to be disappointed. A newer building, now a private dwelling but still with the shop owner's name visible on the front, occupies the site. My model of the shop (above) has been pieced together from illustrations in books, none of which show the building in its entirety.

There's no substitute for practice, however, and my experience of making some 14 buildings for 'Polwyddelan' has proved invaluable in making H.B. Brown's store. I'm seldom entirely pleased with my modelling efforts – one can always do better – but I find this one pretty satisfactory. Now to build the layout to put it on.

Want more Chris? Visit the Chris Leigh Blog at www.model-rail.co.uk/the-chris-leigh-blog

Subscribe and save

Subscribe to **MODEL RAIL** for just **£3.50** a month*



"Model Rail magazine is jam-packed with the latest news, reviews, inspiring features and the hottest practical techniques from some of the hobby's most passionate modellers.

We are the go-to publication to answer all your modelling questions, give in-depth, step-by-step demonstrations and inspire your layouts.

Whether you're a novice or have enjoyed the hobby for many years, *Model Rail* magazine caters for everyone."

Richard Foster, Editor

*when you choose the print option and pay by recurring payment

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

01858 438884

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

www.greatmagazines.co.uk/



PRINT

- £3.50 every month when you pay by monthly recurring direct debits
- 13 issues for £46 when you make a one-off payment by credit/debit card/PayPal

DIGITAL

- £2.10 every month when you pay by monthly recurring direct debits
- 13 issues for £29.99 when you make a one-off payment by credit/debit card/PayPal

PRINT & DIGITAL

- £4.35 every month when you pay by monthly recurring direct debits
- 13 issues for £56 when you make a one-off payment by credit/debit card/PayPal

SUBSCRIBE TODAY AND BENEFIT FROM:

- Free UK delivery to your door
- Instant access to your digital magazine whenever, wherever you are
- Just £3.50* a month!

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

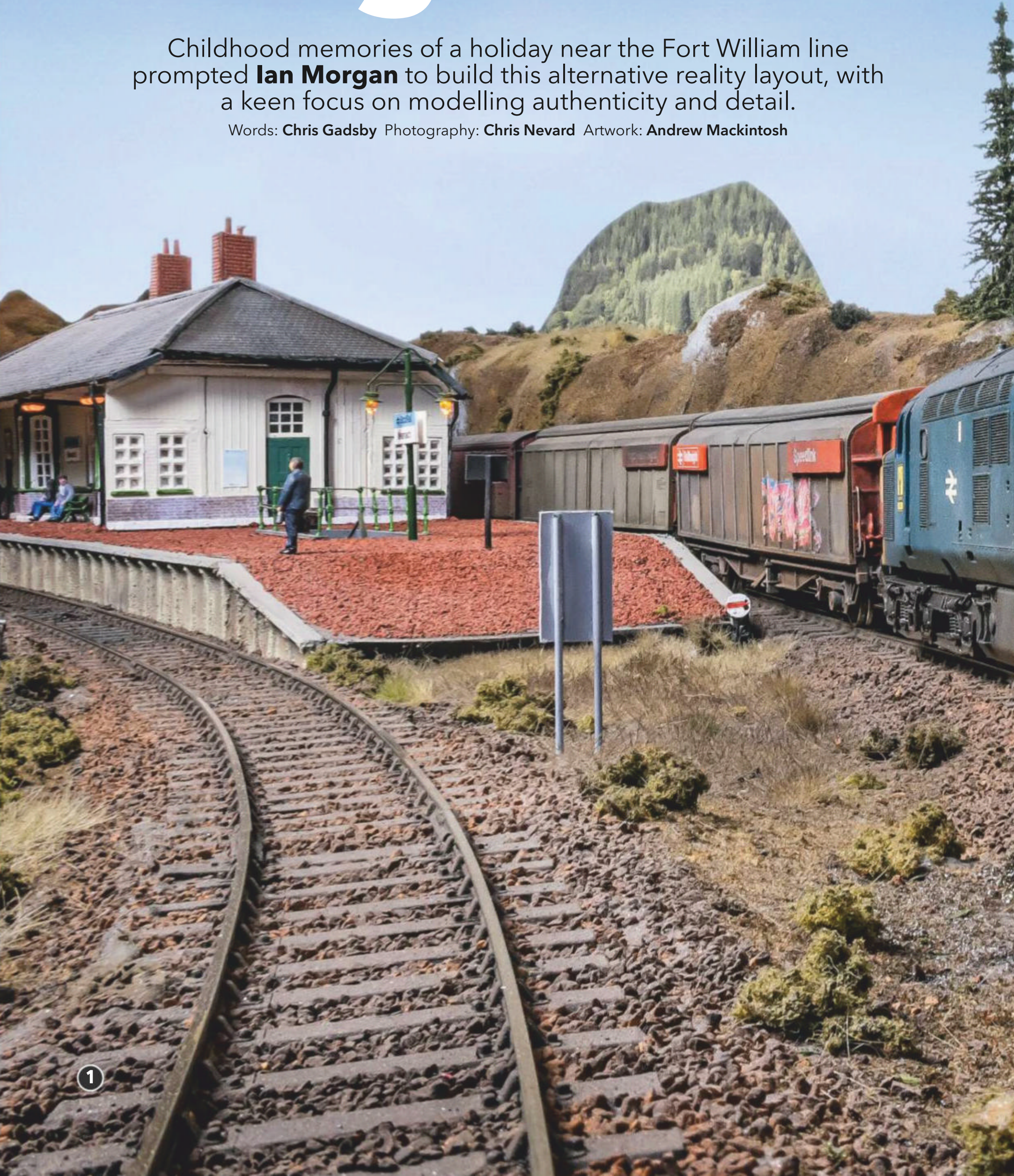
modelrail

TERMS & CONDITIONS: *£3.50 a month when you choose the print option and pay by direct debit. Subscriptions will start with the next available issue. Your subscription will be continued at this offer price every month thereafter unless you are notified otherwise. The minimum term is 13 issues. You will not receive a renewal reminder and the recurring payments will continue to be taken unless you tell us otherwise. This offer closes on March 13 2019. 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? Please phone +44 1858 438828 for further details. Calls may be monitored or recorded for training purposes. For full terms and conditions, please visit www.greatmagazines.co.uk/offer-terms-and-conditions

Fantasy Highland

Childhood memories of a holiday near the Fort William line prompted **Ian Morgan** to build this alternative reality layout, with a keen focus on modelling authenticity and detail.

Words: **Chris Gadsby** Photography: **Chris Nevard** Artwork: **Andrew Mackintosh**



LAYOUT MEANACH

VITAL STATS

Layout:

'Meanach'

Size: 13ft by 11ft

Gauge: 'OO'



"To me, the sound of Class 37s slipping on wet gradients is like listening to Led Zeppelin!"

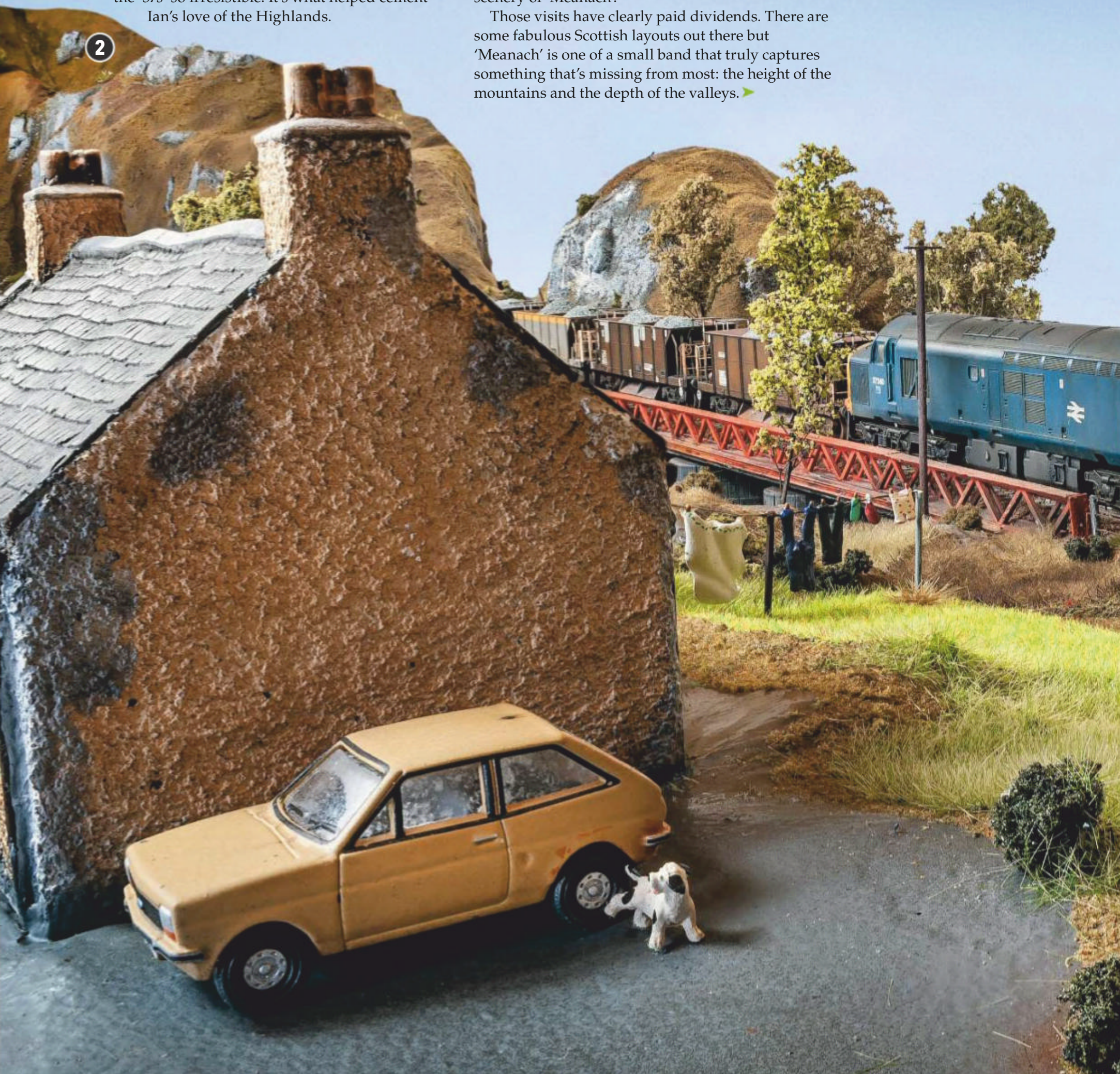
Ian Morgan's description of the English Electric Type 3 is particularly apt. If locomotives were musical genres, then the '37s' must be heavy metal. Their noise is one of the things that makes them so popular.

But it's when that throaty growl echoes around Scotland's vast mountains and wilderness that makes the '37s' so irresistible. It's what helped cement Ian's love of the Highlands.

That love started during a childhood visit to the 1988 Glasgow Garden Festival. Rather than stay in the city centre, Ian's parents, who were keen walkers, opted for Ardlui. It's under 50 miles from the city but is in the heart of the Trossachs – and a stop on the West Highland Line, which, at the time, was a regular '37' haunt.

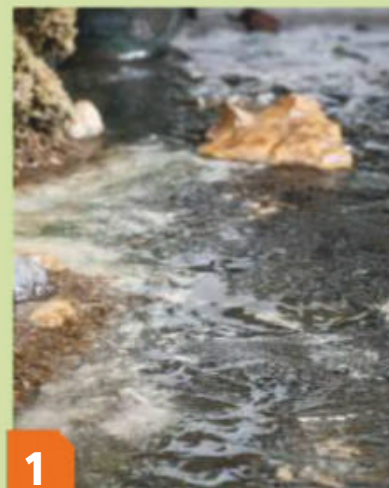
"From the age of 16, in the early 1990s, I regularly went to Scotland on my own," Ian recalls. "That's when I began hiking in the Highlands and got a feel for the scenery of 'Meanach'."

Those visits have clearly paid dividends. There are some fabulous Scottish layouts out there but 'Meanach' is one of a small band that truly captures something that's missing from most: the height of the mountains and the depth of the valleys. ►



“I used Woodland Scenics moulded rocks to create the effect of bare rocks showing through the topsoil”

3 things we like



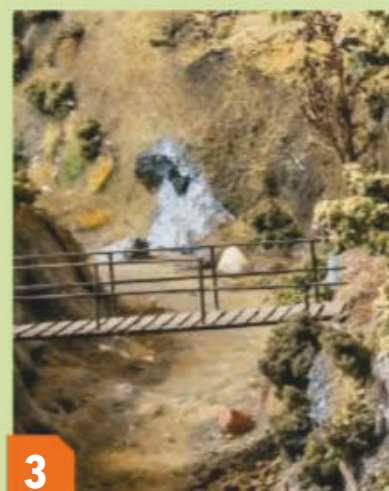
1

The realistic Polyfilla and water combination is among the best we've seen.



2

The top of the platform is made from oxidized iron ballast in 'N' gauge.



3

There's little infrastructure in the Highlands. This small Wills bridge is a well-observed detail.

What makes this layout great?

We see a lot of bright summer layouts but Ian has built this barren and somewhat lonely landscape brilliantly. The cuttings through the mountains have resulted in a stunning three-dimensional layout.



The most striking element is the eye-catching range of mountains that forms the backdrop. With bare rocks and brown grass growing at awkward angles, it just feels like a Scottish mountain, barren yet beautiful.

"I carved some polystyrene blocks into the rough shape that I wanted," Ian says, "and then covered them in car bodywork mesh, moulding it to a more precise shape. Using a Games Workshop earth colour and static grass to cover the mountains in the nice brown colour, I attached Woodland Scenics moulded rocks to create the effect of bare rocks showing through the topsoil.

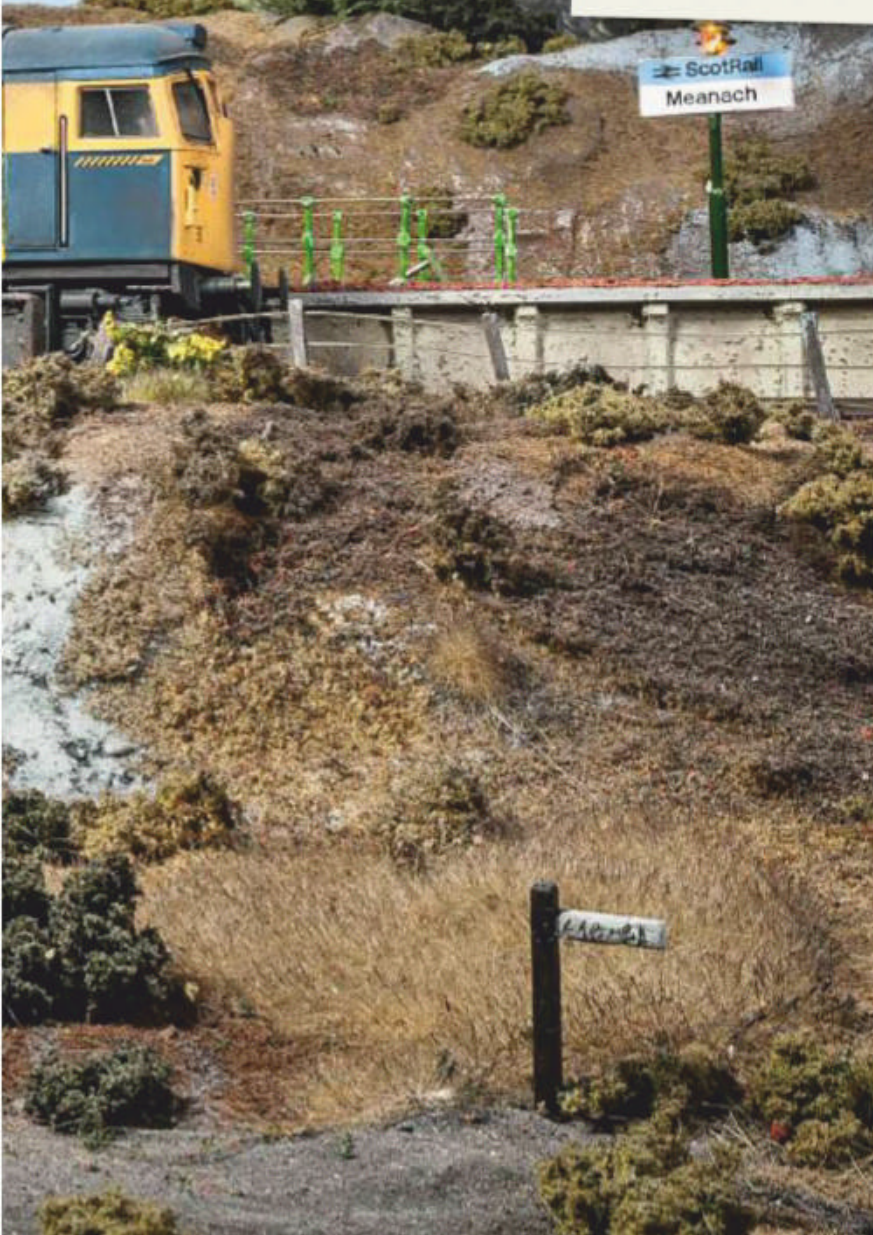
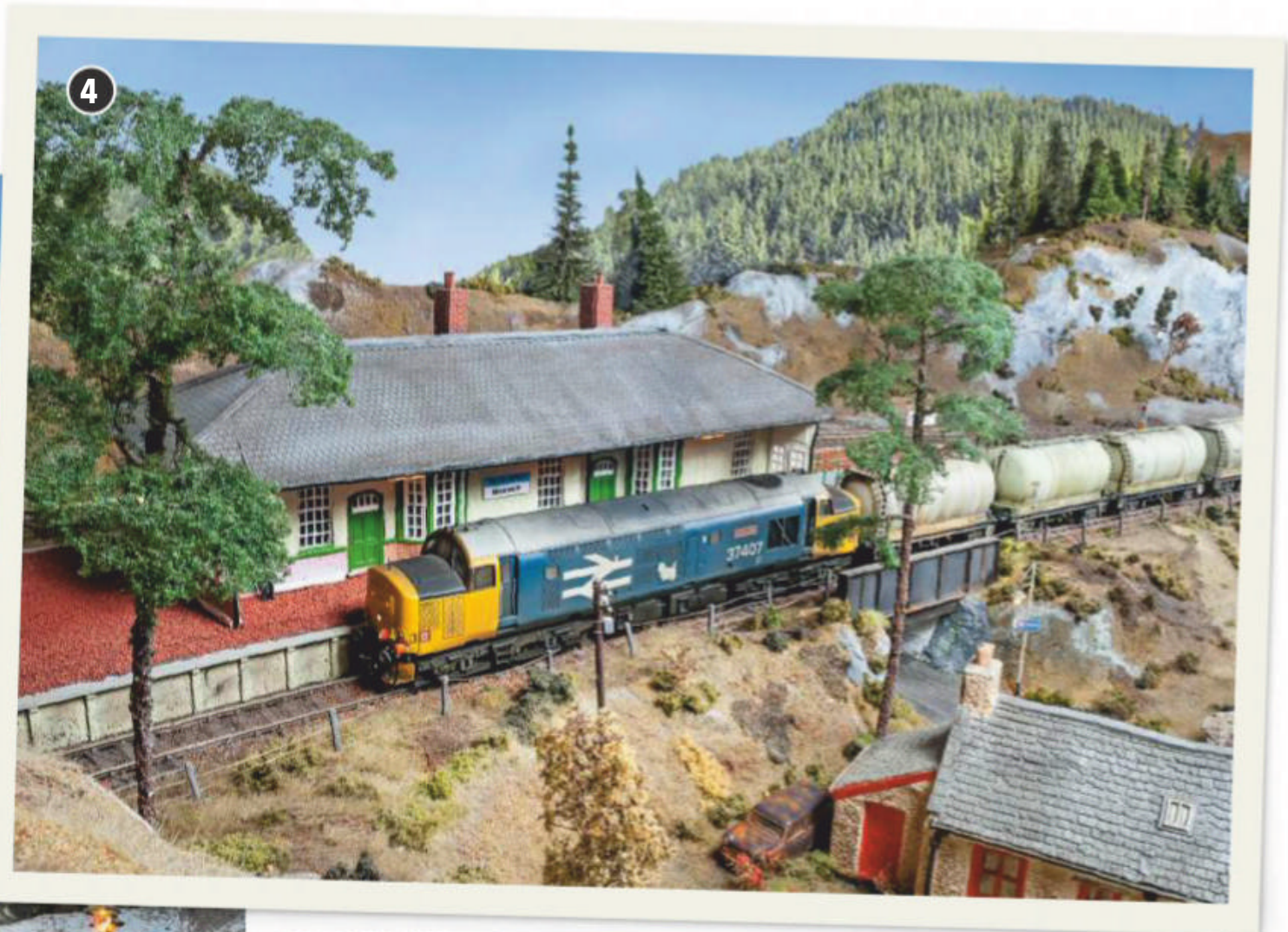
"These moulded rocks are the same ones used on the river bed to create water breaks. The river bed is

Polyfilla that I moulded while it was still wet to make the ripples. I used Humbrol enamel paint of varying shades to create depth and then poured water fluid over the top in a few coats.

"With the river complete, I wasn't happy with the bank. It was just a sheer edge and I wanted more of a gradual slope, so I used some gravel from my garden to make it."

So where exactly is 'Meanach'? In reality, it's a lonely bothy in the foothills of Ben Nevis, not far from Loch Trieg. But the layout was actually inspired by an account in Ian Futers' *Scottish Layout Projects* that described a proposal to build a railway that would take heavy goods vehicles off the A82,

There are shades of Ardlui in 'Meanach' station. Ardlui's island platform is accessed by a low bridge under the railway.



that twists and winds its way between Glasgow and Fort William.

Says Ian: "That book brought this proposal to my attention. It was the perfect fit for what I wanted— I could model a credible 'what if' scenario but not get bogged down with trying to accurately depict a real place."

BIG BOARD

Ian took that idea and formulated a circular 13ft by 11ft layout in his loft. Lofts are always problematic for layout construction due to the extreme fluctuating temperatures. Naturally, Ian didn't want his baseboards to warp or bow. ➤

7 Rather than use an expensive static grass machine, Ian bought a 'homemade' one off eBay for £10, which is, effectively, a sieve attached to a battery system.





"One of my friends came to have a look and joked that he thought that I was building an 'O' gauge layout because the baseboards were so substantial. It may be over-engineered, but it's been up there for nearly nine years, with the huge temperature differences, and it hasn't failed me."

Originally, Ian planned to use Peco Code 75 track, but then he saw SMP finescale track on a friend's layout. With its fine bullhead rail and correctly spaced sleepers, Ian was converted.

"The result is much better," he says. "The layout is only single track with a passing loop around the station and a 1-in-50 gradient – it didn't take long to lay."

'Meanach' may be a 'what might have been' scenario, but that hasn't stopped Ian from being strict with himself about the time period, and what is and isn't allowed to work on the line.

"Everything is between September 1987 and January 1989," he explains. "I've been really good about not buying things that are out-of-period. I've been back up to the Highlands many times since, and have become friends with John Hynd, a driver on the Fort William line who worked there during this time."

"It's really handy because I can send him a message ➤

and check that something was working at the time before I buy it. I was able to make sure the operating practices were prototypical, so many thanks to him! I also owe thanks to Doug Johnson and Martyn Normanton for the electrics (which I hate) and Jon Gavin for the 'Large Logo', weathered '37s'."

REWORKED AND WEATHERED

Nothing on the layout is straight out of the box – Ian has modified everything. All of the locomotives and rolling stock have been weathered and their tension lock couplings have been replaced with three-links.

Ian says: "Alongside the modifications to the locomotives and the rolling stock, I've done some heavy

kit-bashing to create the buildings. The signal box, for instance, is based on the one at Glenfinnan and is scratchbuilt from Wills plastic card sheeting for the exterior walls, with Glue 'N' Glaze from Deluxe Materials for the windows, and a balsawood roof.

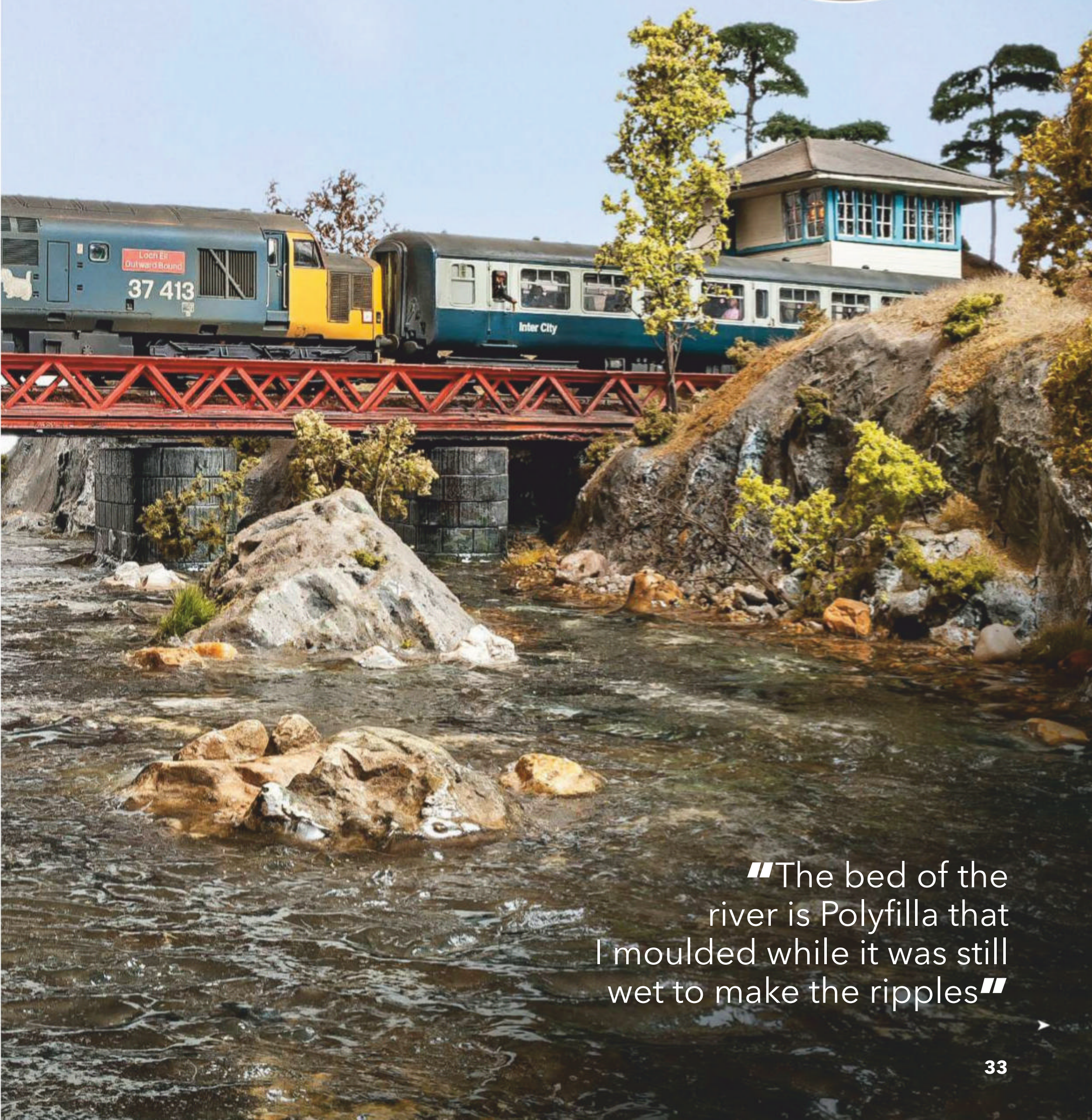
"I like working with balsawood and have also used it on the station building, which is a heavily kit-bashed Walthers North American station. I had actually finished the station before I'd bought the house in which I was going to build the layout!"

Model railways are all about escapism. Rather than sit down and put Messrs Page, Plant, Jones and Bonham on the turntable, Ian can switch on his Gaugemaster Prodigy DCC system and, with the help of some sound decoders, can instantly be transported to the Highlands as a 'Large Logo' Class 37/4 powers its way to Fort William with a handful of Mk 1 coaches. 

10



'Meanach's' signal box is scratchbuilt and is based on the one at Glenfinnan, on the West Highland Extension.



“The bed of the river is Polyfilla that I moulded while it was still wet to make the ripples”

BEHIND THE SCENES

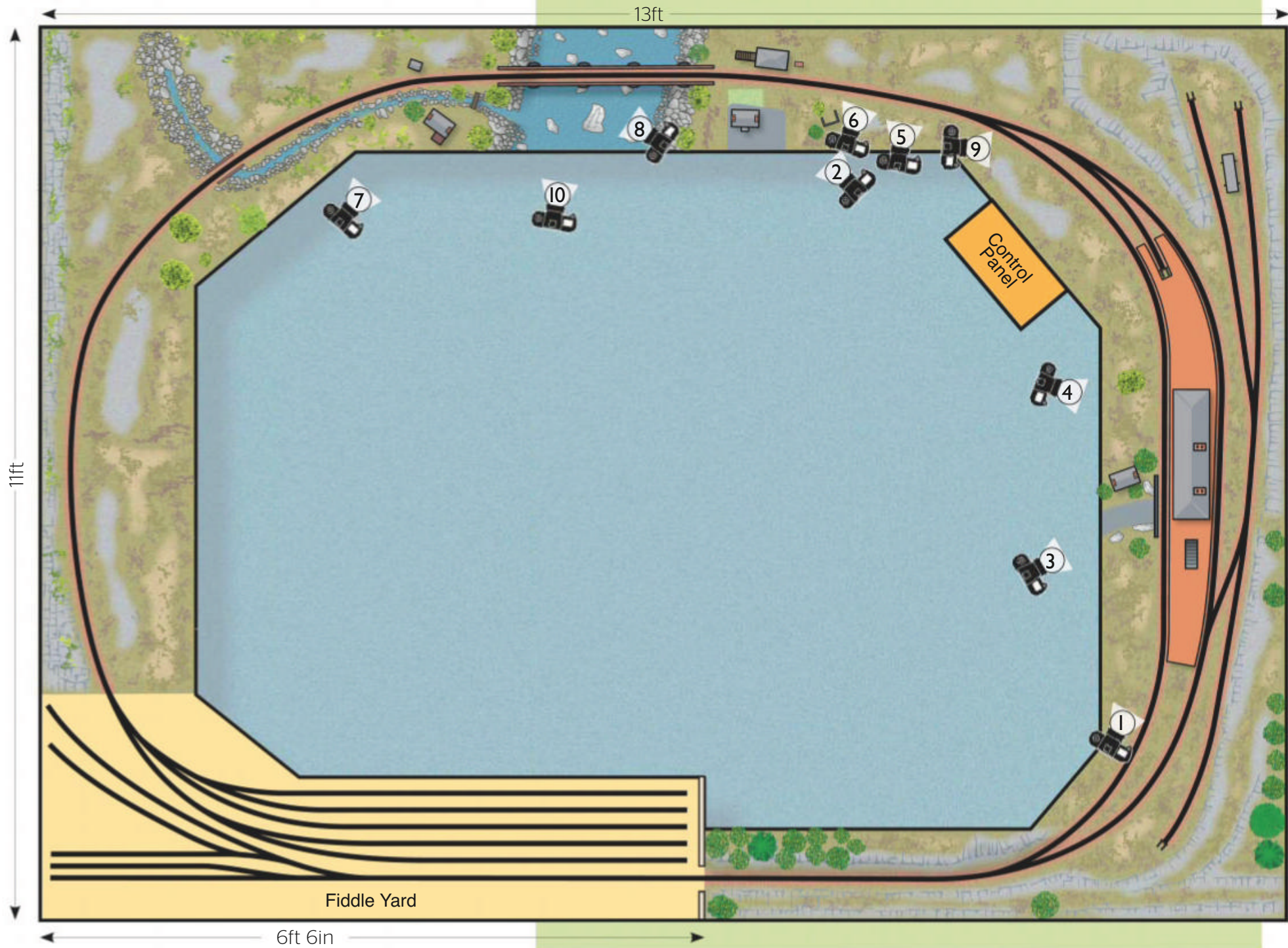


It looks as though it's a looped layout, but it isn't. The fiddle-yard is in a scissor shape and on two different levels.



MODELLER CV: IAN MORGAN

A supervisor at Bristol Temple Meads, Ian first worked there as a dispatcher, and now his role involves checking the Grade I-listed building for defects, as well as dealing with customer complaints and staff welfare.



RAIL LEGENDS XXL!

THE WORLD'S LARGEST
EXHIBITION FOR MODEL
MAKING AND MODEL SPORTS
04 – 09 APRIL 2019
DORTMUND, GERMANY



**The great world of railway model-making –
and much more:**

- ▶ Expert forum for railway model-makers
- ▶ Impressive layouts – with many first-time presentations in Germany
- ▶ Many trains, construction kits and tools

www.intermodellbau.com



**INTER
MODELL
BAU**

Model Rail exclusives

Locomotives you can only buy from us!

'USA' 0-6-0Ts

Later style
tank-top grab
stanchions

SR
bufferbeam
footsteps

NEM coupler
pocket

Front
platform
(supplied
separately)

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.

£129.95

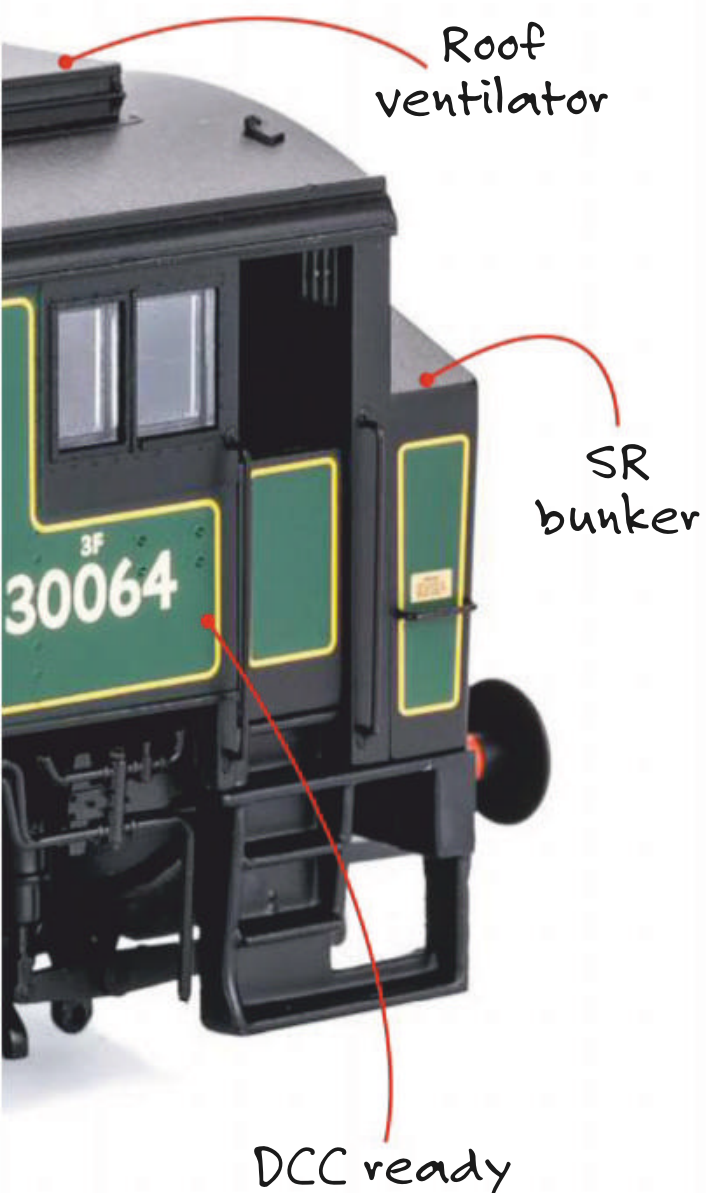
£116.95 price for
subscribers

SR cab
windows

Six-pin decoder
socket

Order yours at WWW.MODELRAIL

SEVEN MORE TO CHOOSE FROM



MR-101 No. 1968, USATC black



MR-106 No. 30071
BR late emblem black
(weathered)



MR-105 No. WD300
Major-General Frank S. Ross,
Longmoor Military Railway blue



MR-108
No. 72, Keighley & Worth
Valley Railway ochre



MR-107
No. 36, National Coal
Board black



MR-110 No. DS237
Maunsell, BR Departmental
green



MR-109 No. 30067, BR
unlined black, late emblem

**ALL IN
STOCK NOW**

Price: £124.95

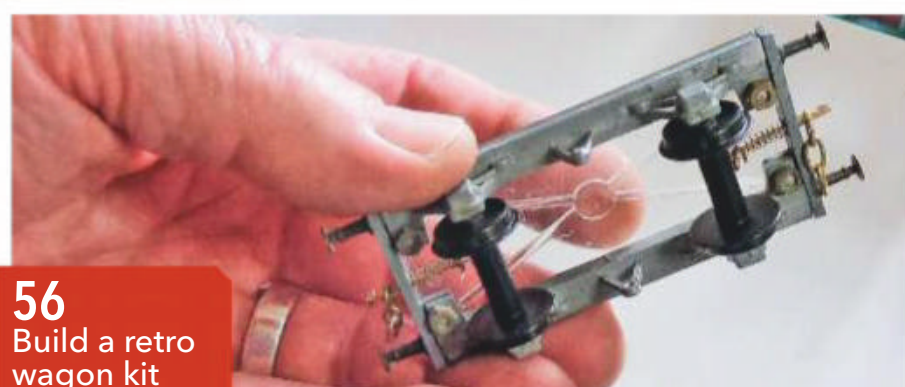
£112.46 price for
subscribers

OFFERS.CO.UK OR 01209 613984



Workbench

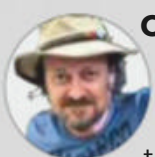
17 pages of projects, advice and top tips that show you how



Meet the *Model Rail* Expert modellers



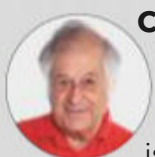
George Dent
Learn from one of the country's best modellers.



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



Chris Gadsby
The smaller the detail, the more interested he is.



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



Peter Marriott
Scenic guru! Knows what's available and how to use it.

Project difficulty ranges from easy:  one screwdriver, to very hard:  five screwdrivers.

sponsored by
HARDER & STEENBECK

Airbrush

MODEL RAIL

Skills Station

Welcome to the first module of Skills Station. Whether you're a beginner or an experienced modeller looking to hone your skills, our team of experts will

split a modelling task or skill into easy to follow, bite-sized chunks, busting myths along the way.

Join our Facebook group and you can post your pictures

and chat to fellow modellers all learning the same skills. We'll offer friendly feedback and tips to make you even better!

Happy modelling!



Richard Foster Editor



Join our group on Facebook by searching for
Model Rail's Skills Station



THE ESSENTIAL GUIDE TO AIRBRUSHING

Pt 1: Choosing an airbrush

Our resident expert **George Dent** has been airbrushing for over 25 years and tested countless different tools. We kick off the first instalment of *Model Rail's Skills Station* by offering an in-depth look at how airbrushes work and the different types that are available.

Airbrushing offers a wealth of opportunities, most notably in achieving superior painted and weathered finishes. Despite a somewhat mythical status, there's really no 'dark art' involved, simply a need to

master a few basic, yet fundamental, techniques.

The practical aspects of airbrushing will be discussed in later instalments. Instead, we need to start at the beginning. So, let's take a closer look at these fascinating tools.

Join Skills Station at www.model-rail.co.uk/skills-station

Skills Station

WHAT IS AN AIRBRUSH?

The primary purpose of an airbrush is to project a liquid onto a surface, using compressed air as the propellant. Initially developed as an aid to artists and draughtsmen, airbrushes allow super-light layers of paint to be applied, without disturbing previous layers. Indeed, it's this facility that makes the airbrush an ideal tool for modellers.

All airbrushes work in a similar way. When the tool's trigger is depressed, the air passes into a cone-shaped chamber (the nozzle), where what's known as the Venturi effect comes into play. Here, the velocity of the air increases significantly as it's forced into the narrowing space. The force of the air is then harnessed to collect particles of paint, which are emitted from the tool within the airstream.

Provided that the liquid is of the correct viscosity (thickness), the paint will be evenly dispersed - or 'atomised' - within the airflow and most airbrushes are designed to work at air pressures of less than 25psi (pounds per square inch).

Airbrushes come in all shapes and sizes, with internal or external mix, and single or dual action options.



AIRBRUSH TYPES

There are two main classes of airbrush:

EXTERNAL MIX

A jet of air passes over a paint reservoir on the outside of the tool, with the resultant vacuum drawing the liquid into the airstream. By shortening the distance between the paint reservoir nozzle and the air jet, the flow of paint can be increased. This can be fiddly, with little in the way of fine-tuning.

Aimed at beginners, they're cheap but often



frustrating to use. They're easy to clean though, as no paint enters the tool itself. Results may be acceptable with practice, although thinning the paint to the right consistency is essential. Even then, the paint is not atomised as finely as with an internal mix airbrush, making it impossible to achieve the same degree of finesse.



INTERNAL MIX

Internal mix devices combine the paint and air within the airbrush, by means of gravity or siphon-feed cups. Paints must be mixed to a thinner viscosity than with external mix tools and lower air pressures are required, thus lending them to more intricate work.

All internal mix airbrushes have an adjustable needle within the tool that, when moved back and forth, opens and closes the gap in the nozzle. It is how this needle is moved - the 'action' - that gives internal mix tools their other designation: single action or dual action.

In a single action airbrush, the paint flow is governed by means of a separate screw at the tail end. Painting usually has to be interrupted while adjustments are made. Accordingly, the user only has immediate control of one aspect at a time, hence the term 'single action'.

With a dual action device, both paint and airflow are governable using the same trigger. Depressing the trigger releases the air, while pulling it back emits the paint. The further back the trigger is moved, the more paint is

released. These versatile tools take a little getting used to, but results can be far superior and they're perfect for painting overall livery coats as well as detailed work, such as weathering.

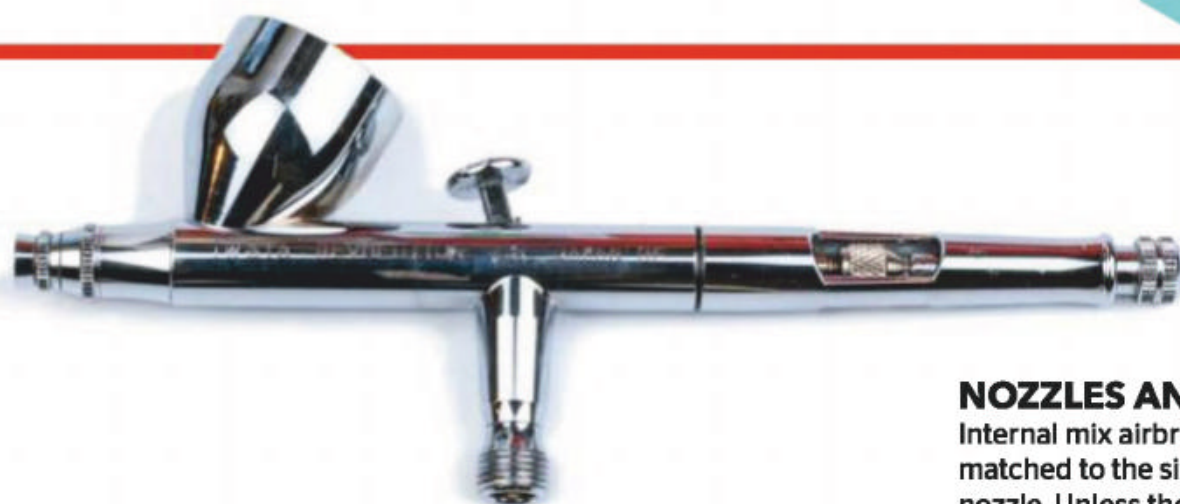


The trigger of a single action device controls the air, with paint flow governed by a screw at the tail end.



Dual action airbrushes allow control of both air and paint with a single trigger.

ANATOMY OF AN AIRBRUSH



Needle



NOZZLES AND NEEDLES

Internal mix airbrushes have their needles matched to the size of the aperture in the nozzle. Unless the needle is a perfect fit, the tool will not operate properly. Furthermore, needles are precision-ground components and must be treated with the utmost care.

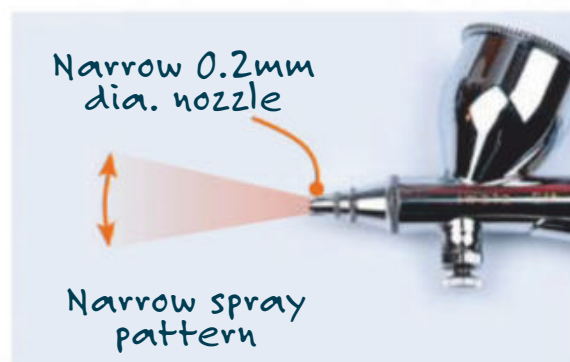
Airbrushes are sometimes specified in terms of either the nozzle or needle size, but this means (more or less) the same thing. Generally speaking, the size of the nozzle dictates the type and viscosity of fluids that can readily pass through it; the smaller the nozzle, the thinner the paint must be. It also follows that the fineness of spray also increases as the nozzle size decreases.

General-purpose airbrushes have a nozzle size of around 0.5mm and this will suit the majority of tasks that a railway modeller will ask of it.

However, a smaller nozzle, such as 0.3mm, will give a more refined spray that is perfect for creating fine lines, close-up detail work and bespoke weathering jobs. It

would also be suited to painting smaller models in 'OO' gauge and 'N'. Such airbrushes are less forgiving of incorrectly thinned paint and poor levels of cleanliness, so they must be used with care.

A small number of airbrushes are designed to employ interchangeable needles and nozzles, providing greater versatility. However, such tools are usually expensive.



NOZZLE AND NEEDLE CAP SHAPE

Paint emerges from an airbrush in a cone-shaped pattern, the size and spread of which depends on the individual tool's design.

Airbrushes with fatter, stubby nozzles invariably produce a broader spray pattern, while those with long, slender nozzles emit a more 'focused' pattern.

Round needle caps help to concentrate the emission of paint, reducing the amount of 'overspray', where loose particles of paint land outside the intended area. This is especially desirable when building up consistent layers of paint, such as on a locomotive livery.

In contrast, crown-shaped needle caps permit working at closer quarters, without the risk of the air blowing back from the surface into the nozzle, thus creating a rougher finish, especially when painting fine lines or streaking effects. A drawback of this design is that the airflow is not channelled effectively, leading to increased levels of 'overspray',



especially when working further away from the subject (more than a few centimetres).

Oval-shaped nozzles are offered on certain airbrushes, allowing for a much wider spray

pattern that is ideal for large-scale models or scenic work. Many airbrushes offer a choice of interchangeable needle caps and they're often available as separate accessories.

**PISTOL
GRIP OR
BUTTON
TRIGGER?**

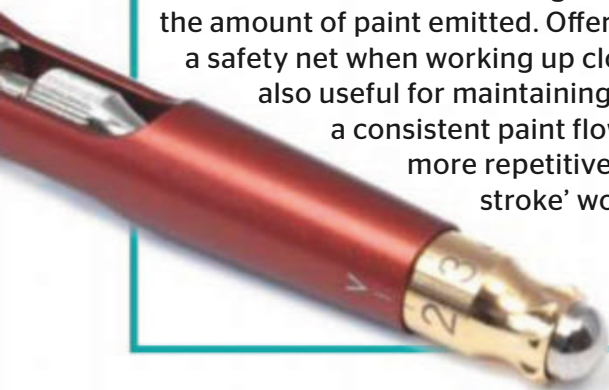


The traditional airbrush design features a small trigger atop the tool (above) to operate the air and paint flow. While such tools offer greater precision and allow for a smaller (and thus a lighter) airbrush, not everyone finds these comfortable to operate, especially for longer periods.

An alternative is a pistol-gripped airbrush (right), where an underslung trigger and larger handgrip help to reduce fatigue. These airbrushes are increasingly popular with beginners and are great for working on larger models, but the increased bulk can sometimes be a hindrance.



**PRE-SET
HANDLE**



This useful feature consists of an adjustable screw that limits the travel of the trigger on dual action airbrushes, thus governing the amount of paint emitted. Offering a safety net when working up close, it's also useful for maintaining a consistent paint flow on more repetitive 'broad stroke' work.

**PAINT
FEEDS &
CUPS**



Siphon feeds work on the same principle as a drinking straw, with the paint being drawn into the nozzle by suction. Located beneath or to one side of the airbrush, the top of the tool is kept free to improve the user's line of sight.

A minimum amount of paint must be mixed and loaded into the siphon-fed cup, which often leads to wastage.

Gravity-fed cups may be fixed or interchangeable, sitting atop or to the side of the airbrush. They usually offer better results than siphon feeds, with the paint being atomised more effectively. Furthermore, only a tiny amount of paint need be added - reducing waste - and they're much easier to clean.



IN CONCLUSION - CHOOSING AN AIRBRUSH

Choosing an airbrush to match a certain type of work is to be recommended. For example, if you only work in 'N' gauge, there's little point buying a tool with a large nozzle and massive paint reservoir. Conversely, if you envisage working across several scales, in terms of overall livery applications and weathering, something more versatile will be appropriate.

The weathering vs liveries issue is important in other ways too. Applying large amounts of paint over a long period of time

can be tiring and a pistol-style airbrush may be worth considering for such repetitive tasks. However, the traditional top-button style of tool still excels at the more intricate painting and weathering tasks.

GET WHAT YOU PAY FOR

There are many airbrushes on the market these days, with plenty of inferior, bargain-priced options to be wary of. Poor-quality materials and badly fitting parts combine to

frustrate the user and are some of the reasons behind many modellers' negative experiences of airbrushing.

In contrast, choosing an airbrush from a respected brand, such as Harder & Steenbeck, Badger, Iwata, Neo or Sparmax will be rewarded with good design, well-fitting parts and resilient materials (remember to check that an airbrush is fitted with solvent-resistant seals) as well as a warranty and after-sales support.

Airbrush type - External mix	✓ Cheap, ✓ Easy to clean
Airbrush type - Internal mix	✓ Offers superior results, ✓ Perfect for big or precision jobs
Nozzle type - Broad diameter	✓ Wide spray pattern, ✓ Good for painting and weathering large areas
Nozzle type - Narrow diameter	✓ Good for creating fine lines, ✓ Good for bespoke weathering
Cap shape - Round	✓ Good for multiple coats at constant quality
Cap shape - Crown-shaped	✓ Good for close quarter working
Cap shape - Oval	✓ Ideal for large scale models or scenic work
Feed type - Gravity	✓ Improved atomisation, ✓ Reduces wasted paint
Feed type - Siphon	✓ Good visibility
Grip - Button trigger	✓ Greater precision, ✓ Smaller & lighter
Grip - Pistol grip	✓ Reduces fatigue, ✓ Good for beginners and larger models

WHAT NEXT?

Don't miss the next instalment of *Model Rail's Skills Station*, where we look at the subject of air supplies and other essential tools and equipment.

Show us what you've learnt on our Facebook group

accurascale

ORDER ONLINE: WWW.ACCURASCALE.CO.UK



ENGLISH ELECTRIC TYPE 5/CLASS 55 'DELTAIC'
A LEGEND RECREATED IN OO GAUGE
DUE Q4 2019



**OO
CEMFLO
& PCA
COMING IN
MARCH!**



*PRE-PRODUCTION SAMPLES SHOWN

HOW TO

BUILD THE ULTIMATE GOODS YARD

George Dent describes everything you'll need to create the perfect wayside goods yard.



Britain's railways were invariably built with an eye on freight traffic. Moreover, in many areas, freight remained the most important cargo and the reason for many a line's continued existence, during and after the mass closures of the 1950s and 1960s.

Accordingly, even the most out-of-the-way places would boast freight facilities equal to or greater than those provided for passenger traffic. Prior to the post-war urban sprawl, agriculture was an important part of the nation's industry, leading to the need to move animals, feedstuff, fertilisers and machinery to rural areas, while produce moved in the opposite direction to urban markets.

The reliance on coal as a domestic and industrial fuel also demanded handling facilities at most stations, along with deliveries or despatch of all manner of other goods, especially in the days before road transport became more viable.

Including some form of freight handling facility to our layouts is, therefore, a vital element. Offering an interesting modelling challenge, as well as increased operational interest, it's possible to

00
GAUGE

20
hrs



create a believable scene in minimal space.

While this diorama features a typical array of facilities to be found in a wayside goods yard, it's worth noting that such a scene isn't suitable only for steam-era

layouts. Indeed, many outlying station yards retained much of their infrastructure into the 1980s, albeit in a moribund condition.

Up until the demise of Speedlink, just prior to privatisation, wagonload workings of all manner of commodities continued to small yards and depots at various points around the network.



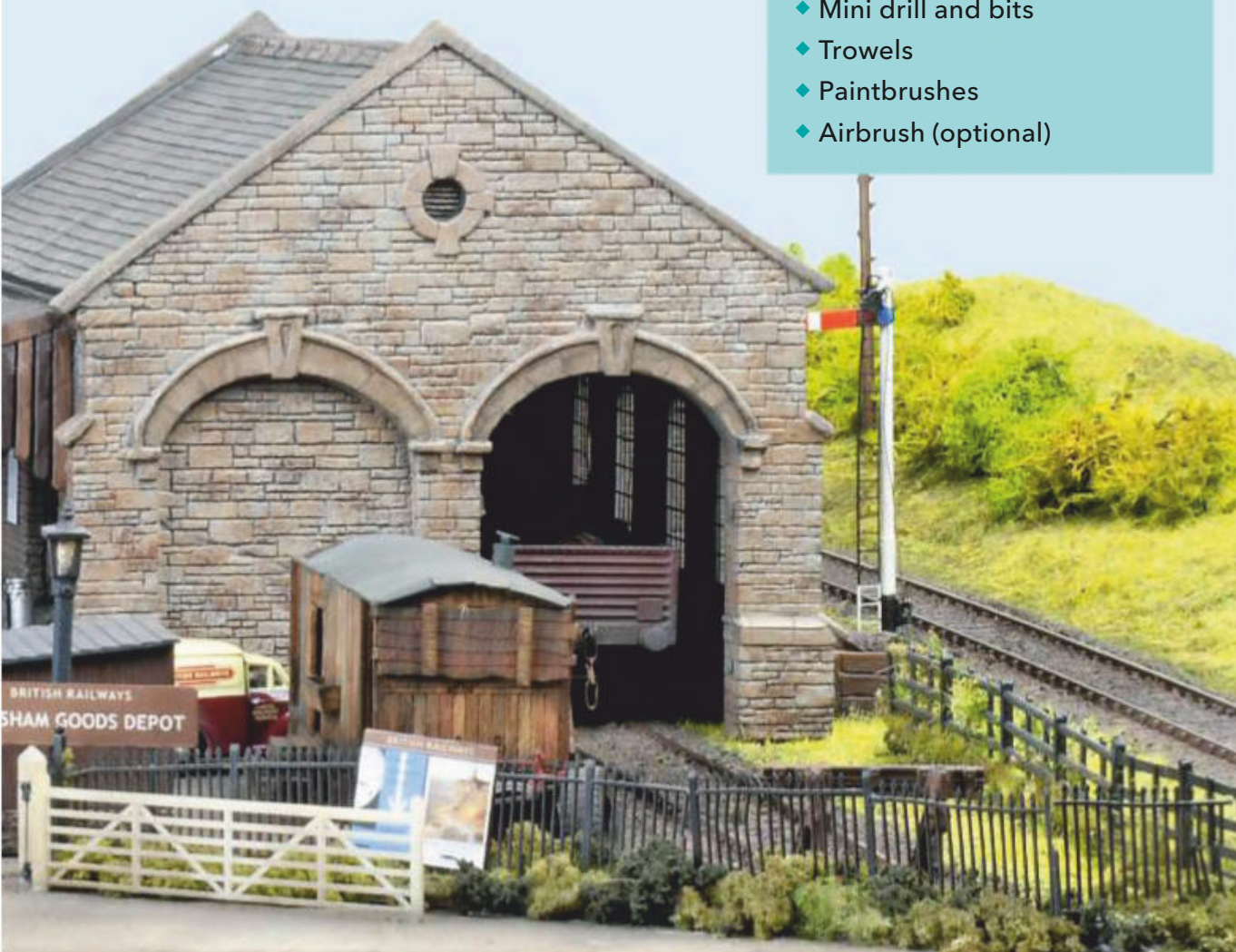
PHOTOGRAPHY: GEORGE DENT

RE

What you will need

TOOLS

- ◆ Knife
- ◆ Tweezers
- ◆ Files
- ◆ Pliers
- ◆ Straightedge
- ◆ Set square
- ◆ Razor saw
- ◆ Teaspoon
- ◆ Mini drill and bits
- ◆ Trowels
- ◆ Paintbrushes
- ◆ Airbrush (optional)



What will fit?

Space is a constant issue for modelers and there's naturally a limit as to what can be squeezed into the available area. This 3ft by 2ft diorama provides plenty of room for two sidings, as well as a single-track branch line in the foreground.

Aiming to recreate the atmosphere of a typical small station goods yard, as found in rural and suburban locations, a pair of turnouts (or a single three-way point) would give access to the yard from the branch line. These points are just off-scene, as is the small wayside station, which would share its approach road with the goods yard entrance.

The yard provides plenty of space for a variety of scenic structures, such as a goods shed, coal bunkers, cattle dock and weighbridge, without the area appearing overly cramped. Furthermore, up to eight short-wheelbase wagons can be accommodated on each siding.

The branch line will inevitably be blocked during shunting operations, as empty and loaded wagons are exchanged by the local pick-up freight, but this would add operational interest to a fairly simple track plan.

A medium-sized shed building has been employed here, suggesting that the station serves a small town or large village that generates a decent amount of incoming and/or outgoing freight.

For smaller yards, a diminutive shed will suffice. Timber, brick or concrete huts were a common feature of such yards, providing safe, covered storage for vulnerable goods, such as foodstuffs or cattle feed and fertiliser.

In addition to the essential goods handling facilities, I decided to include a small water tower for this late BR steam-era setting, allowing locomotives to top up their tanks after their shunting duties have been completed.

STEP BY STEP

SETTING THE SCENE

1

The tracks and prospective structures were laid out on the baseboard to give a full-size mock-up of how the scene would appear. It's important to ensure that the buildings don't appear too cramped.



2

The medium-sized goods shed is a Townstreet Models kit, which fits nicely in the available space. Road vehicles (horse-drawn or motor) and the yard crane need adequate room to operate safely.

3

If space is limited, a smaller goods shed or provender hut is an option. Plenty of suitable kits exist, this shed being built from a Wills goods store kit, enhanced with a scratchbuilt loading platform.



WAGON WEIGHBRIDGE

Although not overly common, railway wagon weighbridges offer extra interest and, if creating a freelance goods yard (as with this project), a convincing argument for its inclusion can be created!

In this instance, the weighbridge offers a means of checking that wagons have not been overloaded before despatch. Additionally, it allows yard staff to assess the payload

of incoming and outgoing wagons, so that the correct carriage charges can be levied. Not surprisingly, the weighbridge needs to be located near the entrance/exit point of the yard.

This handy little kit from Cooper-Craft provides a Pooley rail wagon weighbridge panel onto which the rails need to be affixed. Because of this, the feature must be installed

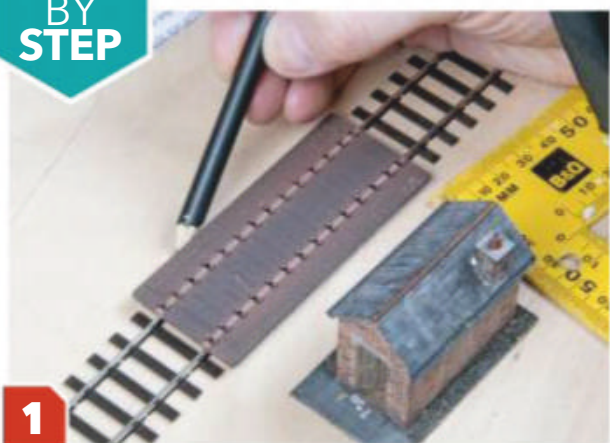
before the track is laid and ballasted. Designed for use with Code 100 or 75 flat-bottomed rail, moulded chairs allow the rails to be slotted home, necessitating the removal of the sleepers.

To make life easier, it may be best to insert a joint between two lengths of track close to the weighbridge, to avoid the need to re-thread dozens of sleepers back onto the rails after the weighbridge panel has been added.

On my diorama, however, I employed DCCconcepts' Legacy Code 75 bullhead track and this simply clips into the weighbridge chairs from above, after cutting out the required number of sleepers. A quick check with a 'OO' rail gauge confirmed that the track remained 'in gauge'.

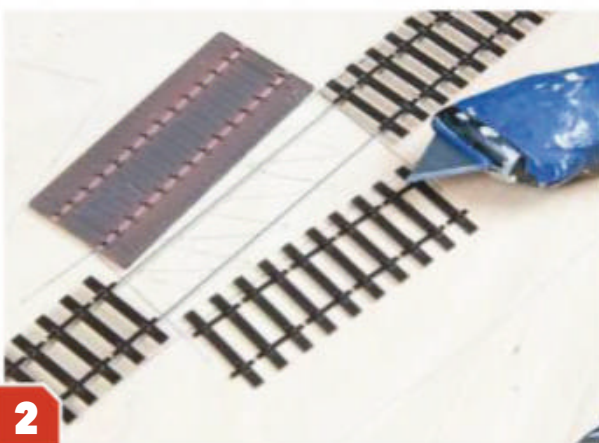
**STEP
BY
STEP**

WAGON WEIGHBRIDGE



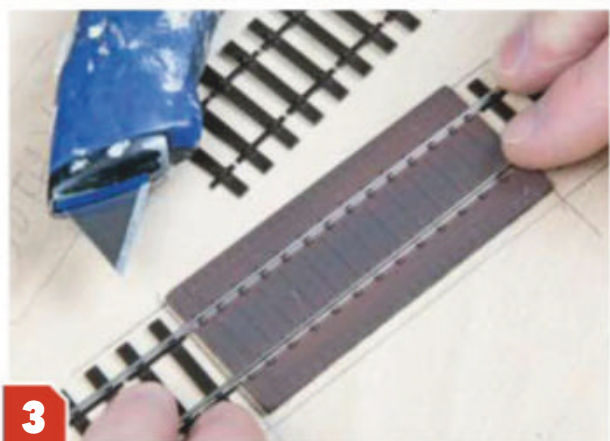
1

The Cooper-Craft rail wagon weighbridge kit provides a short track base, plus an operator's hut. After choosing the most appropriate location, mark the position of the base onto the board.



2

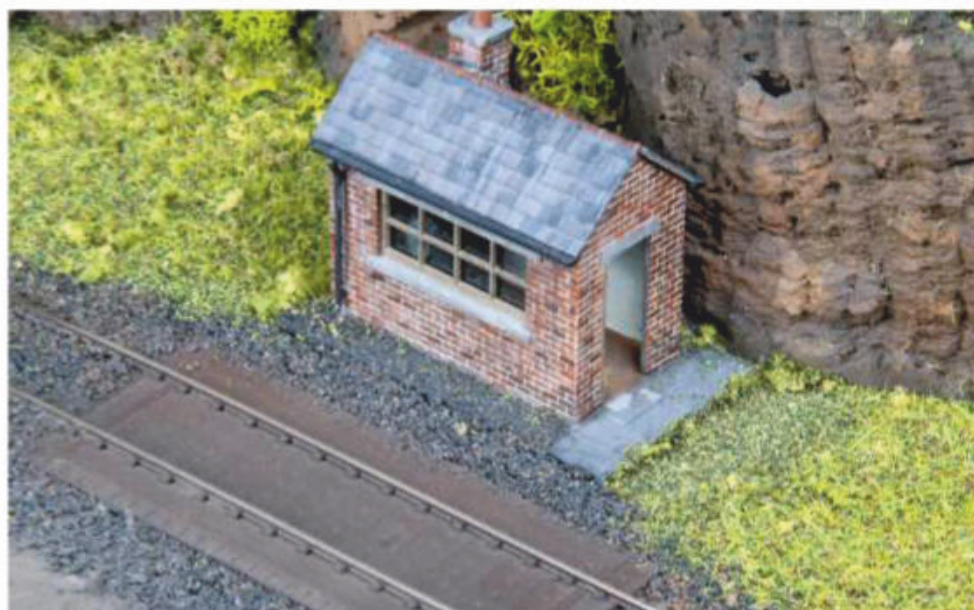
With the track sections trimmed to size, cut out the necessary block of sleepers to accommodate the weighbridge base. If using Code 100 or 75 flat-bottomed track, the base will have to be threaded onto the rails.



3

This DCCconcepts Legacy Code 75 bullhead rail can be gently clipped into the moulded chairs from above. Double-check with a rail gauge before gluing or pinning the track into position.

4 When the time comes to ballast the track, the stone chippings can be laid up against the edges of the weighbridge. Install the hut on either side of the track. Here, it's out of the way of road traffic in the goods yard.



What you will need

SHOPPING LIST

- ◆ Cooper-Craft CC2001 Pooley rail weighbridge kit, £4.40
- Availability:** Cooper-Craft
Tel: 01823 461961
Web: www.cooper-craft.co.uk

COVERING THE GROUND

A look at archive images of the more humble goods yards reveal that the ground cover was invariably compacted cinders, which were a cheap and effective by-product of the steam-age railway. Other options include cobbled ways, which can be recreated with embossed plastic sheets, or by scribing a bed of wet plaster or modelling clay.

Cobbles seemed too grand for my yard, but laying loose, ultra-fine scatter material felt like an extra - and unwelcome - chore. Instead, I spread a fine layer of decorator's plaster over the ground between the sidings and out onto the approach road. With the plaster smoothed out with a small plasterer's trowel, I took the opportunity to lay the ballast over the tracks.

It's worth bearing in mind that the track and ballast in sidings and goods yards was

maintained less frequently and less diligently than the main running lines and this is something worth copying in miniature. We can achieve a variety of weathered finishes with paints later, but we can also give ourselves a head start by mixing up different shades of ballast.

Hatton's has recently branched out further with its own Constructor range of high-quality, real stone chippings. These are available in a variety of grades and colours (ballast, coal, sand, limestone and more) and a single shade was employed on the main line. In contrast, a mixture of medium grey ballast and coke (both fine grades) was created before applying to the track.

Ballasting can be a drag at the best of times, but progress was swift, thanks to Ballast Bond adhesive from Deluxe Materials. That said, the

freezing January temperatures meant that the glue took a few days to harden completely.

After painting and weathering the track, textured acrylic paints were brushed over the groundwork, providing a convincing impression of compacted loose material. A number of different shades were mixed together to create some random tonal shifts and avoid an overly uniform appearance.

Some excellent textured acrylics exist in the Tamiya range, but I tried out some new products from Wilder. Available in 'Fine' or 'Stony' grades, I opted for the former and, once thinned with a little water, the paint spread itself evenly over the surface.

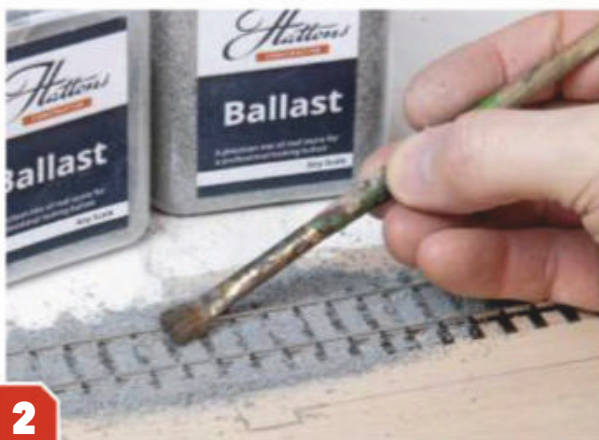
Some extra work with an airbrush and regular acrylics allowed some fine-tuning and the creation of shading effects, suggesting tyre marks and staining. The airbrush helps to achieve a seamless transition between track and road surfaces, although dry weathering powders can create similar effects.

STEP BY STEP GROUND COVER



1

Hatton's Constructor's fine-grade medium grey ballast was spread over the main running line. For the sidings, the grey ballast was mixed with fine-grade coke chippings.



2

The ballast was spooned carefully over the track and manipulated with a soft, dry-brush to work the material between the sleepers and under the rails, while also neatening the edges.



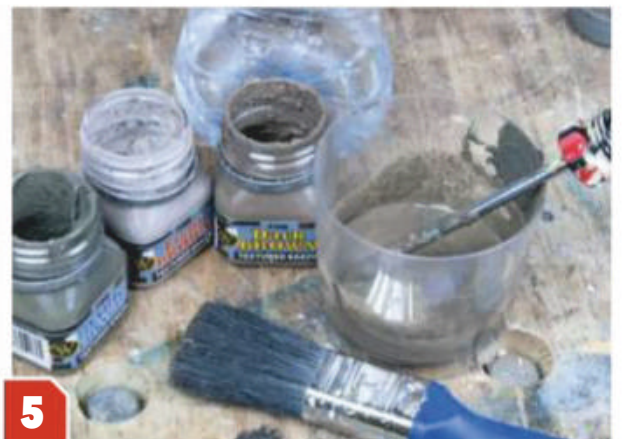
3

To help the adhesive penetrate the loose ballast, water and a drop of washing-up liquid was sprayed over the track. An airbrush set to a low pressure is less likely to move the ballast.



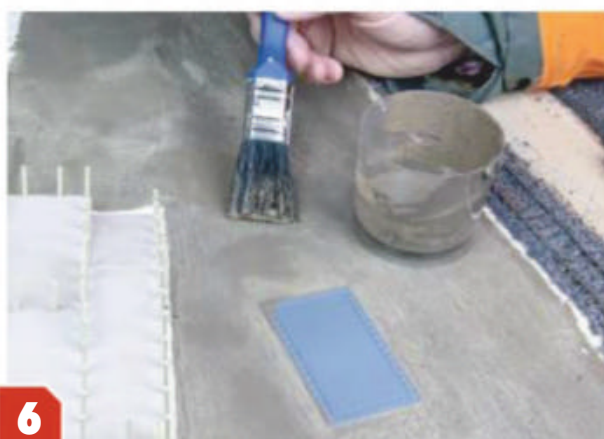
4

The Ballast Bond can then be applied, via a precision applicator tip. The glue penetrates the wet ballast effectively and avoids the need to mess around with diluting regular PVA.



5

A trio of Wilder fine-grade textured paints (Dark Brown, Light Brown and Russian Dark Earth) were intermixed and thinned with water to create an easily brush-able medium.



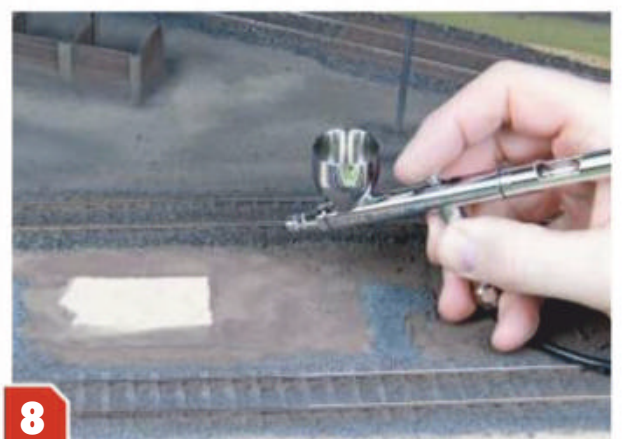
6

With a large brush, the finely textured paint was spread over the goods yard. Use a smaller brush to work the paint up against the edges of the ballast and structures.



7

Allow the textured coating to dry fully before fine-tuning the appearance with weathering powders or an airbrush. I used a selection of well-thinned Tamiya browns, greys and black.



8

The airbrush can also be harnessed to paint and weather the track. Tamiya acrylics were employed, with the rails in the sidings treated to darker, dirtier shades than the main line.

What you will need

SHOPPING LIST

- ◆ Hatton's Constructor fine ballast, 400g tubs, £5.60 each
Availability: Hatton's Model Railways
Tel: 01517 333655
Web: www.hattons.co.uk
- ◆ Wilder Fine Textured Earth acrylic paints, £3.90 each
Availability: The Airbrush Company
Tel: 01903 767800
Web: www.airbrushes.com

CATTLE CLASS

A cattle dock would be a staple feature at most stations and goods yards, allowing farmers to send or receive livestock, or for the transportation of horses.

Typically consisting of a raised platform with fenced pens, the idea was to keep the animals safe and allow for easy access into or out of dedicated livestock-carrying wagons.

The size of the cattle handling facility would depend on how important the traffic was to a particular locality. Yards close to racecourses and army camps, for instance, would need space for dealing with rail-borne horse traffic, while nearby cattle markets, abattoirs and meat factories would also need plenty of capacity.

In most cases, however, the typical wayside station yard would feature a cattle dock able to accommodate up to two wagons at a time. The Ratio kit employed here builds easily into an attractive structure that's based on a prototype from Yeovil Pen Mill. This facility was in use up to the end of cattle traffic on BR in the early 1970s. Indeed, even after livestock traffic ceased, cattle docks remained *in situ* - in an overgrown state - well into the 1980s.

The kit provides everything you need, apart from animals, including concrete track panels with drains, which made the real thing easier to clean. The ramp can be built to face either way, which is helpful, and lamps, taps, feed/water troughs, signs, gates and wire-and-post fencing are provided.



**STEP
BY
STEP**

THE CATTLE DOCK



1

The Ratio kit includes overlay panels for the tracks, although they're designed to fit track with thick sleepers. The brackets needed trimming to compensate for the finescale track in use on this diorama.



2

Check the fit of the track overlays, ensuring clearance for wheel flanges. The panels need to sit just below the tops of the rails. Fix in place with contact adhesive, epoxy or gel-type cyano.



4

Take the time to plan the exact layout of your dock, with the instructions offering two alternatives. Once decided, drill out the required mounting holes for the fence posts, working over a scrap of wood.



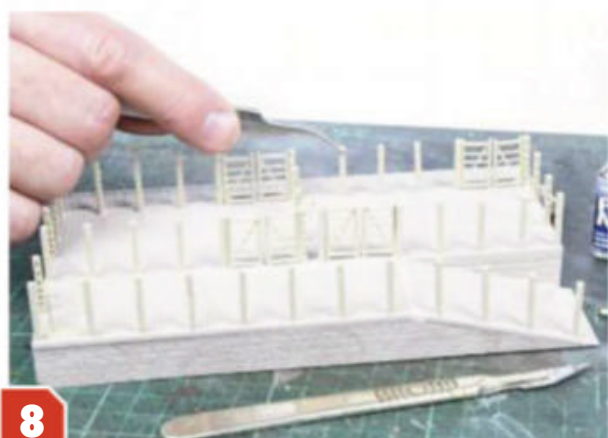
5

Fettle the mating faces of the walls and test-fit before gluing. Check the external angles with a set square while running liquid poly cement into the joint. Internal corner strengthening pieces are provided.



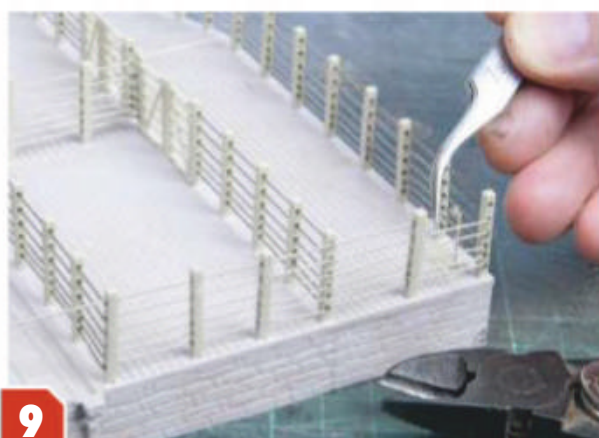
6

Cut the ramp section to suit the orientation of your dock and gently fold the ramp using the moulded recess on the underside to match the angle of the ramp.



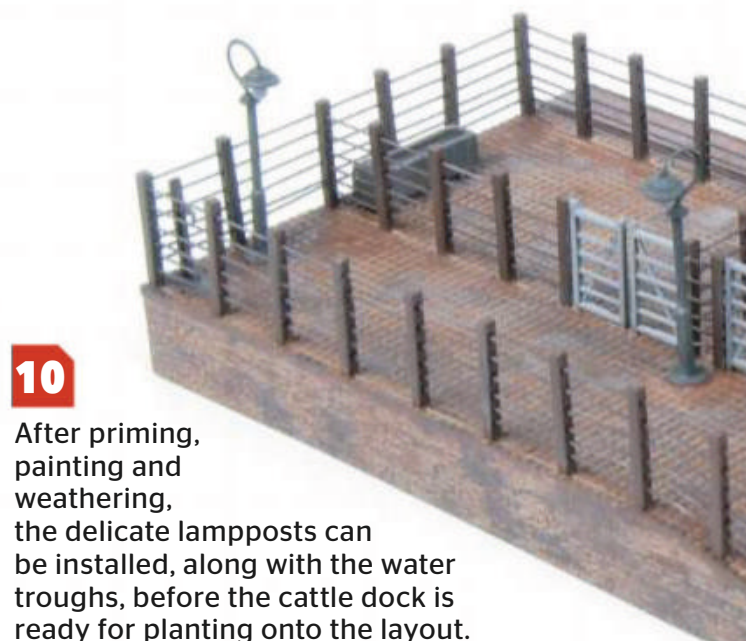
8

Fix the posts into the holes, checking that each is straight and true. Hang the gates from the posts and add the delicate hinge overlays, which are very easy to damage when cutting from the sprue.



9

Let the posts cure overnight before threading the wire through the holes and trimming to length with a sturdy set of end cutters. Secure the wire with cyano glue, applied with a cocktail stick.



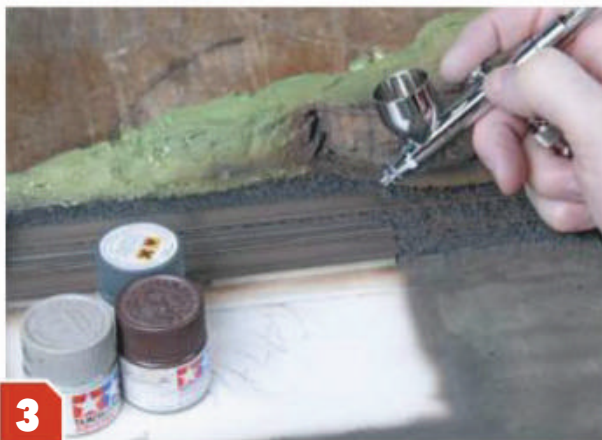
10

After priming, painting and weathering, the delicate lampposts can be installed, along with the water troughs, before the cattle dock is ready for planting onto the layout.

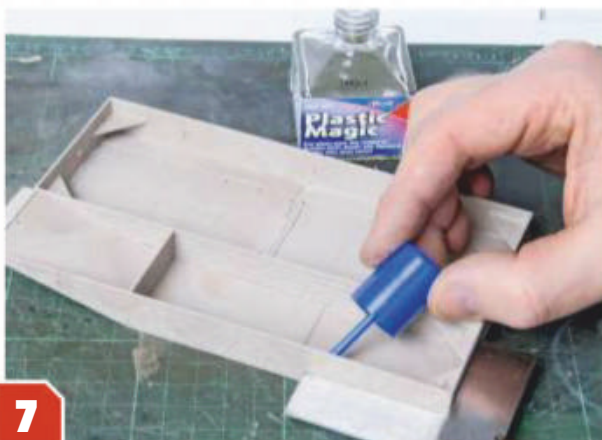
What you will need

SHOPPING LIST

- ◆ Ratio 502 cattle dock kit, £16.00
- Availability: Hatton's
- Tel: 0151 733 3655
- Web: www.hattons.co.uk



The concrete panels were painted and weathered at the same time as the track and surrounding groundwork, courtesy of the airbrush and various shades of Tamiya acrylic paints.



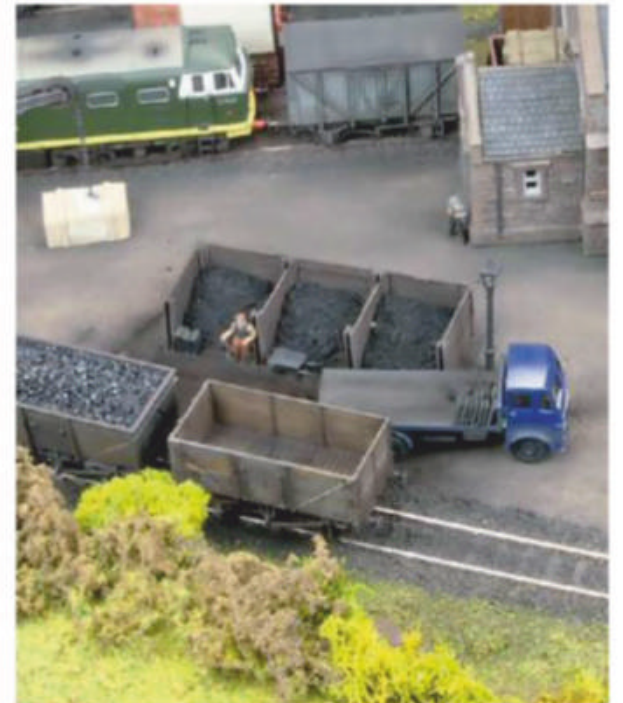
Fix the remaining walls and strengthening brackets to the underside of the flooring panels, applying the liquid poly cement to the inside of the joints for a neater finish.



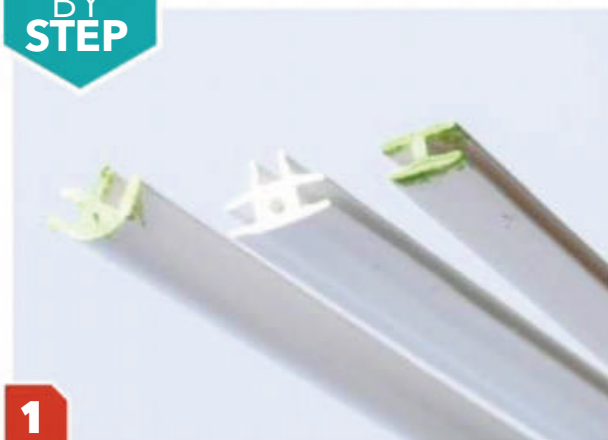
COAL BUNKER

Coal was a staple commodity for nearly every railway goods depot in the UK, with local merchants relying on the railway to bring in their supplies. A row of bunkers, with compartments for different grades of fuel, would be a common sight and merchants would often have to unload wagons manually, unless a set of coal drops was provided, as was common on the North Eastern region.

There are plenty of ready-made or kit options for coal bunkers of varying sizes, but I decided to scratchbuild my own from the innovative Maquett range of styrene sections, strip and sheet. The resulting structure mimics those modular bunkers built from pre-cast concrete uprights with timber panels slotted between, which first appeared in the inter-war years.



STEP BY STEP THE COAL BUNKER



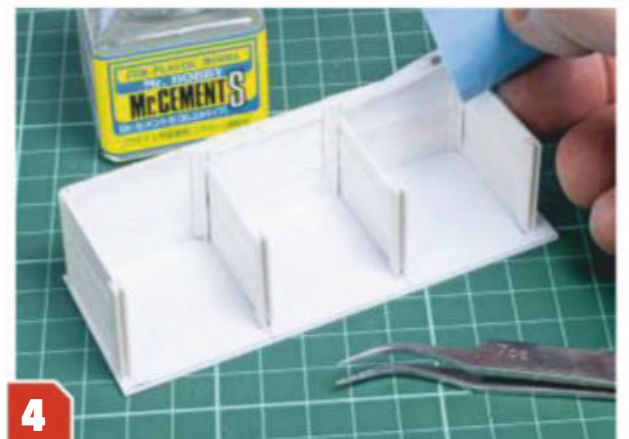
Maquett 'L', 'T' and 'H' section strip form the framework for a scratchbuilt coal bunker. The apertures allow for flat plastic strip to be slotted between the uprights for a sturdier structure.



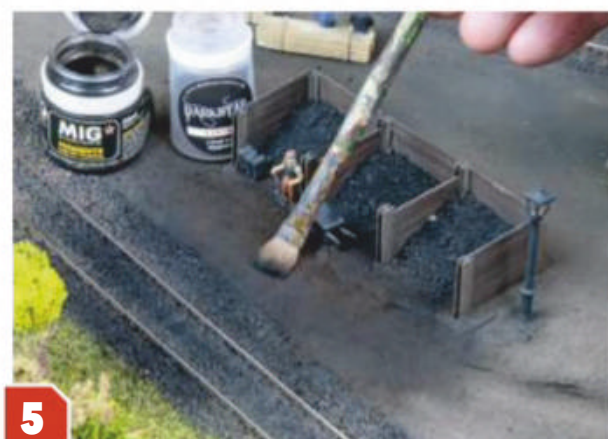
The flat plastic strip to form the 'planks' was treated to a scrub with a steel wire brush to create a wood grain texture along the length of each strip, on both sides.



The various uprights were cut with a razor saw in a mini mitre box to ensure straight edges and a uniform length. They were fixed to a base cut from 1mm thick plastic card.



The planks were cut to length and slotted between the 'L', 'T' and 'H' section uprights and secured with liquid poly cement. The resulting structure proved to be very sturdy.



After painting, piles of coal were formed from loose chippings, secured with Ballast Bond. The area around the bunkers was stained with weathering powders, using a soft, dry brush.



The Maquett styrene profiles helped to create an attractive and realistic coal storage area with extra details, such as coal sacks and barrow. The overall grimy outlook adds extra realism.

A VERY GOOD SHED

This Townstreet Models plaster kit was built for a *Model Rail* feature back in the mid-2000s and, since then, has been bashed and bumped around in the attic and was in need of some TLC. As with most Townstreet kits, the building is formed simply of four walls, two roof panels, an office annex, external platform and canopy with resin stanchions.

It's quite a hefty structure and the various plaster sections were glued together with strong woodworking PVA glue. Because of the weight, I'd recommend not fixing such buildings to the baseboard, especially with

portable layouts. Instead, packing it away separately in a padded box will reduce the weight of the baseboards. I've found, to my cost, how difficult it can be to remove plaster-cast buildings from baseboards when disposing of or remodelling a layout.

As no interior platform was supplied with this kit (it's an optional extra), I built my own from plastic card overlaid with Wills embossed plastic sheets. This platform has been fixed to the baseboard, which acts as a locating aid for the main shed building. Besides, it's easier to access the interior for repairs if the shed can be lifted away.

What you will need

SHOPPING LIST

- ◆ Stone goods shed kit, £49.50 **Availability:** Townstreet Models Tel: 01768 88456 **Web:** www.townstreetuk.co.uk
- ◆ R001a Customisable BR station signs, £2.99 **Availability:** Scalescenes **Web:** www.scalescenes.com
- ◆ Harburn Hamlet packing crates, £4.99 **Availability:** Harburn Hobbies Tel: 0131 556 3233 **Web:** www.harburnhobbies.co.uk
- ◆ Crate stacks, £1.75 **Availability:** Ten Commandments Tel: 01383 410032 **Web:** www.tencommandmentsmodels.co.uk
- ◆ Cooper-Craft 2006 GWR trolleys (x3), £2.50 **Availability:** Cooper-Craft Tel: 01823 461961 **Web:** www.cooper-craft.co.uk

STEP BY STEP

THE GOODS SHED



1

I decided to repaint the Townstreet shed in order to mask the many repairs made over the years. An overall layer of dark grey acrylic provides a uniform undercoat, as well as giving me the desired shade of mortar.



2

A range of greys and browns was gradually dry-brushed over the stone relief, producing plenty of tonal variety to suit the natural material while maintaining the mortar shade. A soft, flat brush is best.



3

Continue the dry-brushing process with your chosen colours until you're happy with the appearance of the stonework. Adding contrasting shades to the lintels and decorative edging stones adds extra realism.



4

The roof slates were treated in a similar way, using various shades of grey. Brown, grey and green LifeColor Tensocrom washes were brushed on and the excess swabbed away, leaving translucent staining.



5

An interior platform was created using a plastic card structure, with embossed stone and paving sheets for the outer surfaces. It was primed, painted and weathered to match the exterior of the shed.



6

Piles of packing crates, from Harburn Hamlet and Ten Commandments, adorn the platform, along with a cast whitewall hoist found in a drawer in the *Model Rail* office, provenance unknown.



7

A set of BR Western Region signs were created and printed, using a Scalescenes kit. The white edges of the card were touched in with paint before fixing the signs in place.

8 The shed looks very much at home in the goods yard, with the Scalescenes signs and Cooper-Craft GWR trolleys adding the finishing touches.



EXTRA BITS 'N' BOBS

As with so much of our hobby, it's the small details that bring a model to life and a goods yard is no different. A road vehicle weighbridge located at the entrance allows railway staff to charge customers accurately and these were a feature of even the lowliest of wayside goods yards,

as was the hand-operated yard crane.

Along with a 'bothy' for the yard staff, in the shape of a grounded guard's van body, adding signage to the yard entrance and a few items of clutter - scrap sleepers, barrels and bits of machinery - adds the finishing touch.

What you will need

SHOPPING LIST

- ◆ Ratio 524 weighbridge (£5.50); 509 occupation crossing (£5.50); 411 GWR/LMS loading gauge (£4.00); 531 yard crane (£10.50) **Availability:** Hatton's Tel: 0151 733 3655 **Web:** www.hattons.co.uk
- ◆ Maquett styrene section, strips and sheet, from £0.50 each **Availability:** Albion Alloys Tel: 01202 511232 **Web:** www.albionhobbies.com
- ◆ Ancorton Models OOGV2 guard's van shed, £11.75 **Availability:** Ancorton Models **Web:** www.ancortonmodels.com

STEP BY STEP

THE FINAL DETAILS



1

It helps to install a vehicle weighbridge before the yard ground cover is applied, as the textured paints will help it to blend into the surroundings. It ought to be located close to the yard entrance/exit.



2

While the weighing plate can be painted and weathered *in situ*, along with the rest of the yard's groundwork, the attendant hut can be treated separately and installed later.



3

The base of the Ratio yard crane must be positioning carefully so that the crane can swing around freely. Here, it can reach across to either siding and is being blended into the groundwork with textured paints.



4

The Ratio crane is easy to assemble and is readily enhanced with a little dry-brushed weathering. It simply slots over the base post and remains movable - and removable!



5

A loading gauge, built from a Ratio kit, is to be positioned towards the yard entrance/exit, allowing wagons to be checked as they leave. A mounting hole was drilled into the baseboard.



6

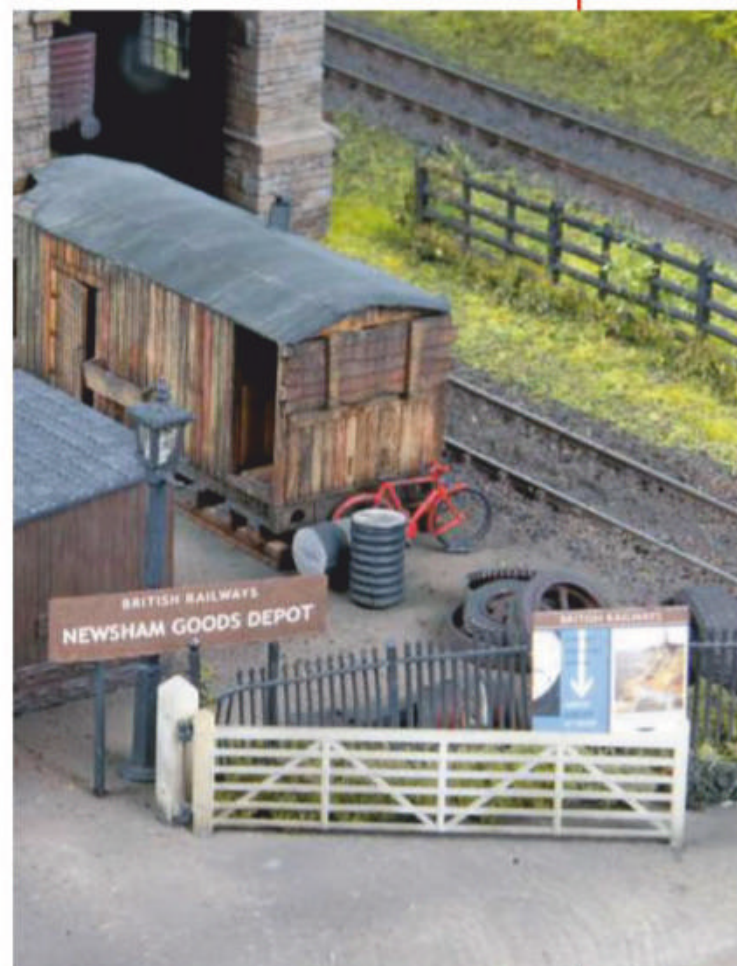
Fixing the post directly into the baseboard, amongst the grass, offers a more discreet option than employing the kit's oversized base. Check that the post is vertical with a set square.

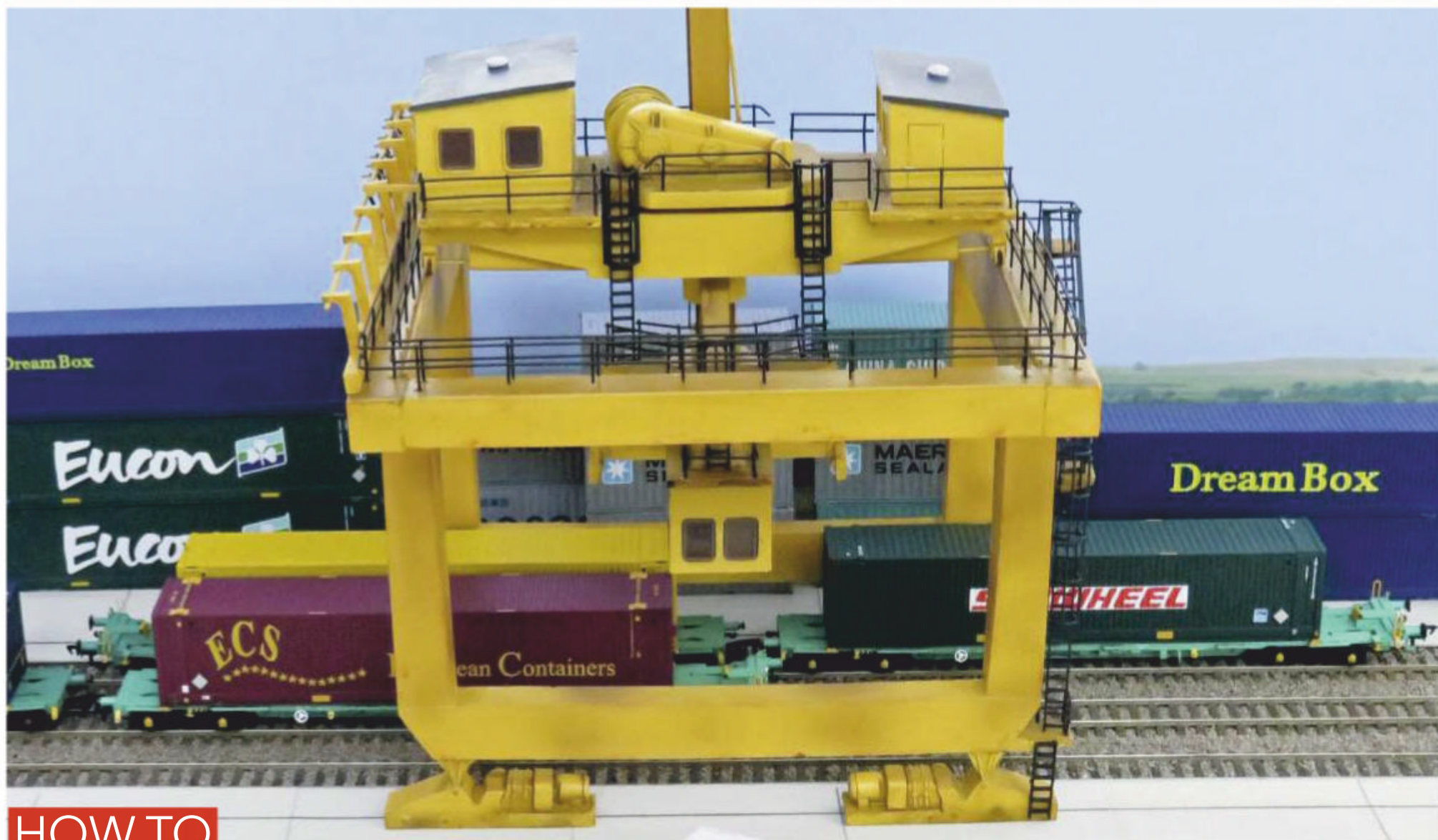
Signs



The Scalesscenes signs kit also provided signage for the yard entrance, as well as poster boards to adorn the fencing. After mounting to thin plastic card and painting the rear face, poles were created from plastic rod.

The main sign was fixed into two small holes drilled into the baseboard. The grounded brake van is an Ancorton Models kit, the yard gates from a Ratio occupation crossing kit and the lamppost from Langley Models.





HOW TO

BUILD A CONTAINER TERMINAL

Peter Marriott test-builds Bachmann's giant container terminal crane kit and shows you how it can give a big lift to any layout.

Visitors to Model Rail Scotland can't fail to be impressed by the huge Finnieston crane, 174ft tall, that stands sentinel over the redeveloped Queens Dock area of Glasgow. When I see this gigantic structure I feel a tinge of sadness that it's no longer being used to export products from Glasgow's factories, workshops and yards.

You can still find spiritual successors to the Finnieston crane on the Clyde, at Clyde Port. These giant cranes, like their cousins at ports throughout Britain, from Felixstowe and Tilbury to Southampton, Liverpool, Cardiff and Hull, lift the ubiquitous shipping container, day in, day out. Felixstowe's new cranes, for example, stand an impressive 164ft above the dock.

The crane is going to be the focal point of

00 GAUGE **MODEL** Bachmann Scenecraft 44-0009
Container Terminal Crane ♦ Price £169.95

AVAILABILITY
Bachmann stockists

1 hr
(+ drying time)



any container port or terminal layout. As they're so big, models are going to be rather expensive. Heljan's operational crane wasn't cheap when new, but second-hand items rarely sell for less than £500.

This container crane is arguably the most eye-catching item in Bachmann's Scenecraft range. It's big. It's so big, in fact, that it comes in kit form, whereas all other Scenecraft items can be used straight from the box. It's not cheap, as befits its size and status, and it's also non-working. But what a focal point it creates!

Despite its size, construction is very simple. But the crane's impact proves once again

What you will need

TOOLS

- ◆ Abrasive paper
- ◆ Needle files
- ◆ Sanding sticks
- ◆ Two-part epoxy resin

that resin-based structures give us the chance to make good-looking model railway layouts a lot quicker than scratchbuilding everything ourselves.

STEP
BY
STEP

BUILD THE CRANE

1

Open the packaging carefully so you don't damage the contents. Use a sharp knife to carefully cut through the tape holding the various pieces of polystyrene together to reveal the parts.



2

Carefully remove all the components from the packaging. The crane comes with two sheets of pictorial instructions.



3

The kit requires a two-part epoxy adhesive. I used Evo-Stik Epoxy Express. Push the two plungers to squeeze out equal amounts of adhesive and hardener into the tray...



4

...and stir the two viscous fluids as soon as possible, using a gentle motion. When the fluid changes from cloudy to a clear it's ready to use.



5

The first task is to attach the feet. They need to be positioned lengthways, parallel to the leg girders. If the feet point out at right angles they're fitted wrong.



6

I used fine sandpaper to remove some of the paint from the parts to be fixed together. This ensured that I had good clean joints, so that the adhesive would give the best results.



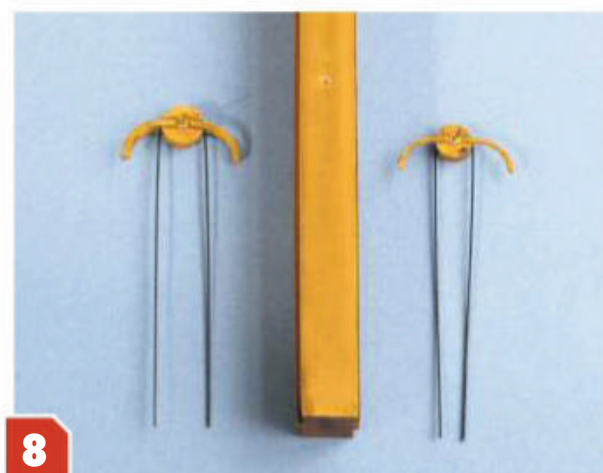
7

The next big job is to fix the operator's cabin to the trolley assembly. Then you need to turn your attention to the spreader and hook. This builds up around a pillar.



8

There are two semicircular fitments that prevent the pillar from falling through the hole in the bar. Press them through the tiny hole and secure with epoxy.



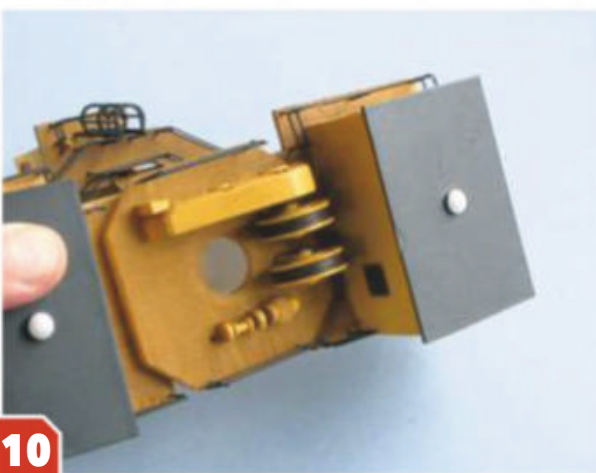
9

Spread epoxy adhesive on the top of the spreader beam, ready for the base of the pillar. The hook unit connects to the spreader with very fine chain.



10

The pillar needs to be passed through the hole in the trolley section. Fix the spreader to the lower end. Work quickly to avoid the epoxy from curing too much.



11

Put the trolley section on the bridge girders. Use some of the polystyrene packaging - plus odds and ends of card - to support the spreader. Leave overnight to cure.



Container wagons



FFA/FFG

Builder: BR Shildon & Ashford
Introduced: 1964
User(s): BR, Freightliner
Manufacturer: Bachmann Branchline
Price: £49.95-£99.95
Availability: Bachmann stockists



KFA-F

Builder: Rautaruukki, Finland
Introduced: 1987
User(s): BR, Freightliner
Manufacturer: Hornby
Price: £34.99
Availability: Hornby stockists or www.hornby.com



FIA

Builder: Arbel Fauvert, France
Introduced: 1994
User(s): DB
Manufacturer: Bachmann Branchline
Price: N/A
Availability: No longer available new.



KQA/KTA

Builder: Rautaruukki, Finland
Introduced: 1997
User(s): Freightliner
Manufacturer: Dapol
Price: £30.89
Availability: Dapol stockists or www.dapol.co.uk



FLA 'HIGH-CUBE'

Builder: Powell Duffryn & Trinity, Romania
Introduced: 1989
User(s): Freightliner
Manufacturer: RealTrack
Price: £35.00-£39.50
Availability: RealTrack **Tel:** 0113 256 3415 **Web:** www.realtrackmodels.co.uk



IKA 'MEGAFRET'

Builder: Arbel Fauvert, France
Introduced: 1999
User(s): Freightliner, DB, GBRf, DRS
Manufacturer: Dapol
Price: N/A
Availability: No longer available new.



FEA-B

Builder: Wagony Swidnica, Poland
Introduced: 2003
User(s): Freightliner, GBRf, Jarvis Fastline
Manufacturer: Dapol
Price: £40.14
Availability: Dapol stockists or www.dapol.co.uk



FEA-E/FEA-S

Builder: Wagony Swidnica, Poland
Introduced: 2004
User(s): Freightliner, GBRf, TransPlant-London Underground
Manufacturer: Hatton's
Price: £32.00-£52.00
Availability: Hatton's **Tel:** 01517 333655 **Web:** www.hattons.co.uk



IDA 'SUPER LOW'

Builder: WH Davis, Mansfield
Introduced: 2011
User(s): DRS
Manufacturer: Dapol
Price: £43.95
Availability: Dapol stockists or www.dapol.co.uk

Other cranes

If you don't feel you can justify spending £170 on Bachmann's container crane, Vollmer offers a smaller one for just £35 (available from Gaugemaster - see <https://bit.ly/2F91F2F>).

Alternatively, if you feel that Bachmann's model is a bit too small, then Faller's new crane (see <https://bit.ly/2EBbaal>) will be right up your street. It's a monster, based on one at Weil am Rhein, on the German/Swiss/French border. It's a plastic kit but it has a monster price tag to match - Gaugemaster has it listed for £410!

Road vehicles

The beauty of building a container terminal is that you get the opportunity to indulge your passion for model miniature road vehicles, as well as trains.

A decent number and variety are available. For example, Oxford Diecast offers 1:76-scale Scania and DAF XF tractor units with D-Tec Combi 'skelly' trailers. Herpa and Wiking offer a huge choice of tractor units and trailers, for layouts depicting anything from the 1970s to present day.

Buying your containers

There are almost as many 'OO'/'HO' gauge containers available as there are wagons. You can choose from 20ft, 40ft, high-cubes (9½ft, rather than 8½ft), tanktainers and refrigerated containers.

You can get them from the following manufacturers: Bachmann, C-Rail Intermodal, Dapol, Faller, Herpa, Oxford Diecast and Walthers. Plus, Busch offers kits of containers that have been converted into offices (see <https://bit.ly/2sfh6i0> to browse the Busch building range).

STEP
BY
STEP

BUILD THE CONTAINER TERMINAL

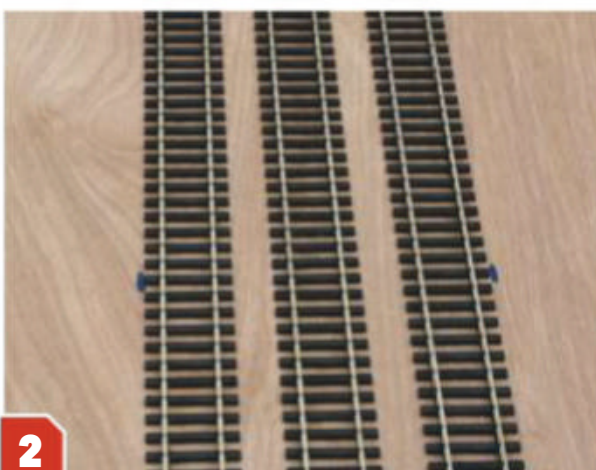


10 hours



1

Proof that you don't need a huge space to build a container terminal. Bachmann's crane will form the centrepiece of this 81cm by 40 cm diorama (built with ply on softwood frames).



2

Bachmann's crane will span three tracks. Use the crane to gauge the position the outer edges of the track. Use rolling stock to prevent you from putting the tracks too close together.



3

Spray the track (Peco Code 75) with Humbrol 29 aerosol. Do this outside if you can - or in a well-ventilated space. Clean it afterwards with a track rubber.



4

I used 1.5mm mounting card to create the concrete apron. Stagger the pieces of card to enable the 'concrete' to butt up against the outer edge of the rail.



5

I used Woodland Scenics Foam Putty to fill any small gaps alongside the track and Tamiya finishing paper to smooth the final finish once the putty had dried.



6

Large areas of concrete are laid in sections with expansion gaps. Score the gaps into the concrete using a steel rule and a sharp scalpel blade.

What you will need

SHOPPING LIST

- ◆ Humbrol 29 Dark Earth Brown aerosol, £5.49 Availability: Humbrol stockists or www.humbrol.com
- ◆ Woodland Scenics WB74 Light Grey ballast, £5.75; WS191 Scenic Cement, £9.75; WS190 Scenic Glue, £8.75; WST1447 Foam Putty, £9.75; WST1454 Top Coat Concrete, £6.75 Availability: Bachmann stockists

TOOLS

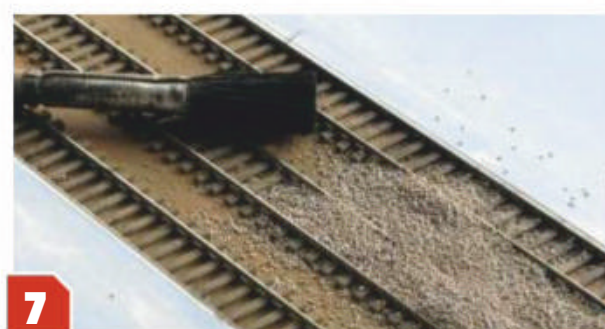
- ◆ Swann-Morton craft knife and fresh blades
- ◆ Steel ruler
- ◆ Self-sealing cutting board
- ◆ Pencil
- ◆ Black felt-tipped pen
- ◆ Paintbrushes
- ◆ Old teaspoon
- ◆ Track-cleaning rubber block

The finishing touches

There are so many products available to detail a modern container depot. Just spend a few minutes browsing Gauge-master's website if you don't believe me! For this diorama, I chose to stick with Bachmann products in order to complement the crane.

I used the following items:

- | | |
|------------------------|------------------|
| Metal security fencing | (44-562, £10.95) |
| Security personnel | (36-041, £9.95) |
| Concrete bollards | (44-531, £4.95) |
| Corrugated metal shed | (47-558, £18.95) |
| Commercial lid skips | (44-501, £8.95) |



7

Despite the concrete aprons, railway tracks are still ballasted. Use an old teaspoon to spread the ballast along the centre and sides of the rails. Tap it with a craft knife handle to settle the granules.



8

To fix the ballast, apply the Scenic Cement with a plastic pipette. The glue needs to fully spread through the ballast to ensure that the ballast is properly fixed. Leave overnight to dry.



9

Woodland Scenics Top Coat Concrete paint is perfect for the apron. Two coats were needed to cover it thoroughly.



10

I could have used lengths of Peco rail for the crane's tracks, but I cheated and used a felt pen to create two thick lines on the apron. It looks OK from normal viewing distances.



HOW TO

MAKE AN URBAN STREET

Peter Marriott puts you on the right road to modelling the perfect asphalt surface.

It always amuses me how modellers will spend hours and hours on one part of the layout in order to get it right, but will then simply rattle off another part with the minimum of effort.

Take track, for example. You see beautiful hand-built track, with the correct

00 GAUGE | 4 hrs (drying time) |

type of chairs, meticulous ballast, point rodding – the works. But then the road will be nothing more than some card, painted black.

Just because our primary interest is in the railway, that shouldn't mean that we neglect the roads on our layouts. The road on my urban layout is prominent, so I decided to spend time on it using the multitude of detailing parts available to make it as good as it can be.

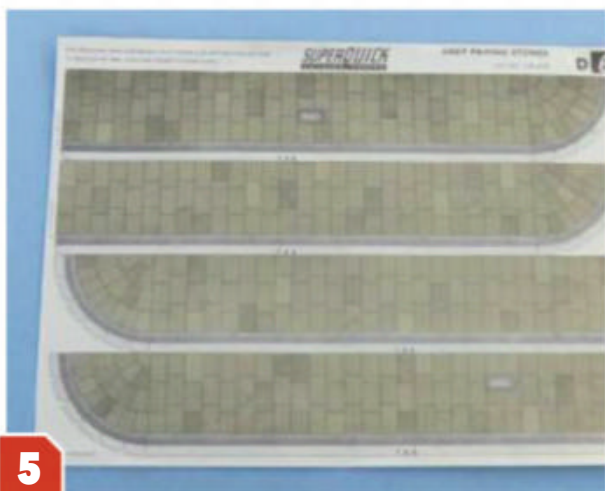
STEP BY STEP



1 I covered the entire baseboard with Daler-Rowney 2.2mm mounting card to provide a smooth surface. Fill gaps between the pieces of card with Deluxe Materials Create and Shape.



3 Roads are not black unless the asphalt is fresh. Pale shades will work best, so I mixed Woodland Scenics Asphalt with White Earth Colours in an old plastic dessert pot.



5 You can buy resin pavement sections, plastic pavement sections or even self-adhesive card slabs. I decided to turn to an old favourite – Superquick's Building Papers.



8 Woodland Scenics produces pens for drawing road markings (in both white and yellow), along with a removing pen. It also sells a flexible edge to help you keep the lines aligned.



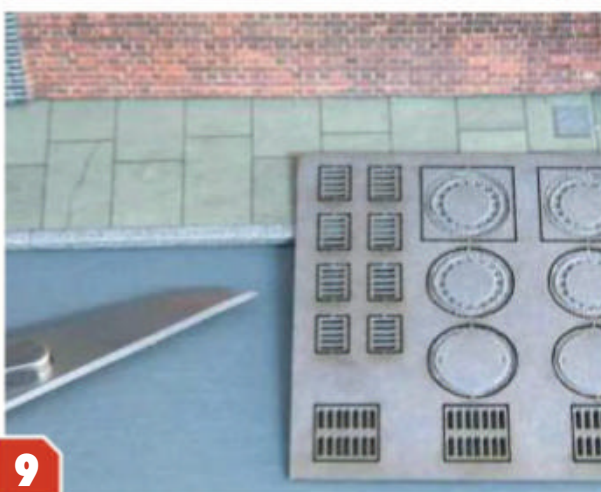
2 Once the Create and Shape had dried, I used Tamiya finishing abrasive paper to sand the surface flush. You can buy finishing paper from www.wonderlandmodels.com



4 I always use two coats to cover mounting card. I decided to mix more white into the second coat, to provide some tonal variety.



6 I cut more strips of mounting card and glued the Superquick papers to them using Pritt Stick or, in my case, a supermarket's own-brand equivalent.



9 Noch produces a sheet of 25 laser-cut card manhole covers and drain grates. Cut them away from the fret with a sharp blade.

What you will need

SHOPPING LIST

- ◆ Noch 14218 Drain Covers, £7.25; Deluxe Materials BD-60 Create & Shape, £9.00; Superquick D6 Grey Paving Stone Building Papers, £3.25 **Availability:** Gaugemaster **Tel:** 01903 884488 **Web:** www.gaugemaster.com
- ◆ Sankey Scenics MD4 Manholes & Drains, £3.49 **Availability:** Sankey Scenics **Tel:** 07565 892209 **Web:** www.sankeyscenics.co.uk
- ◆ Woodland Scenics WC1291 Road Striping Pen White, £10.75; WC1293 Road Stripe Remover, £10.75; WC1294 Flexi Edge, £10.75, ST1453 Top Coat Asphalt, £6.75; WC1216 Earth Colour White, £10.75 **Availability:** Bachmann stockists

TOOLS NEEDED

- ◆ Selection of paintbrushes
- ◆ Craft knife with fresh blades
- ◆ Self-healing cutting mat
- ◆ Steel rule

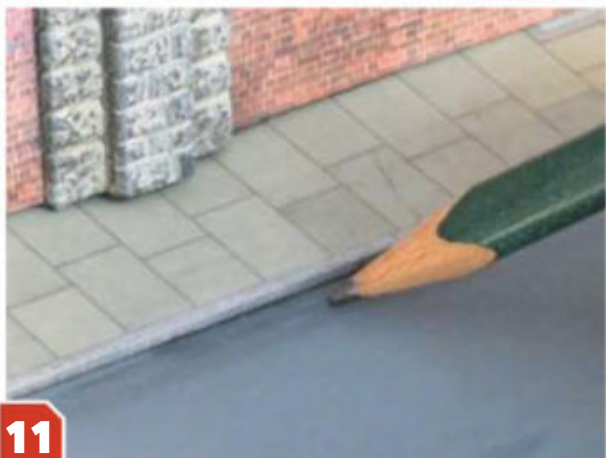


7 I fixed the completed pavement to the baseboard using white PVA glue. Woodland Scenics Foam Nails are perfect for holding them in place – you can fill the holes later.



10 In order to avoid 'raised ironworks', cut a small aperture in the card with a sharp blade. Dab some PVA into the hole and drop the grate into it using fine tweezers and a sharp blade.

TOP TIP
Use a scrap piece of mounting cardboard as a spatula for applying the Create and Shape.



11

Run a soft pencil along the edges to mimic dirt and grime that has been washed into the gutters. Use a damp paintbrush to smooth any hard edges.



12

Sankey Scenics produces a range of flat grates and manhole covers. Cut out and fix them in place with Pritt Stick. You'll need to use a little matt varnish to tone down the shiny finish.



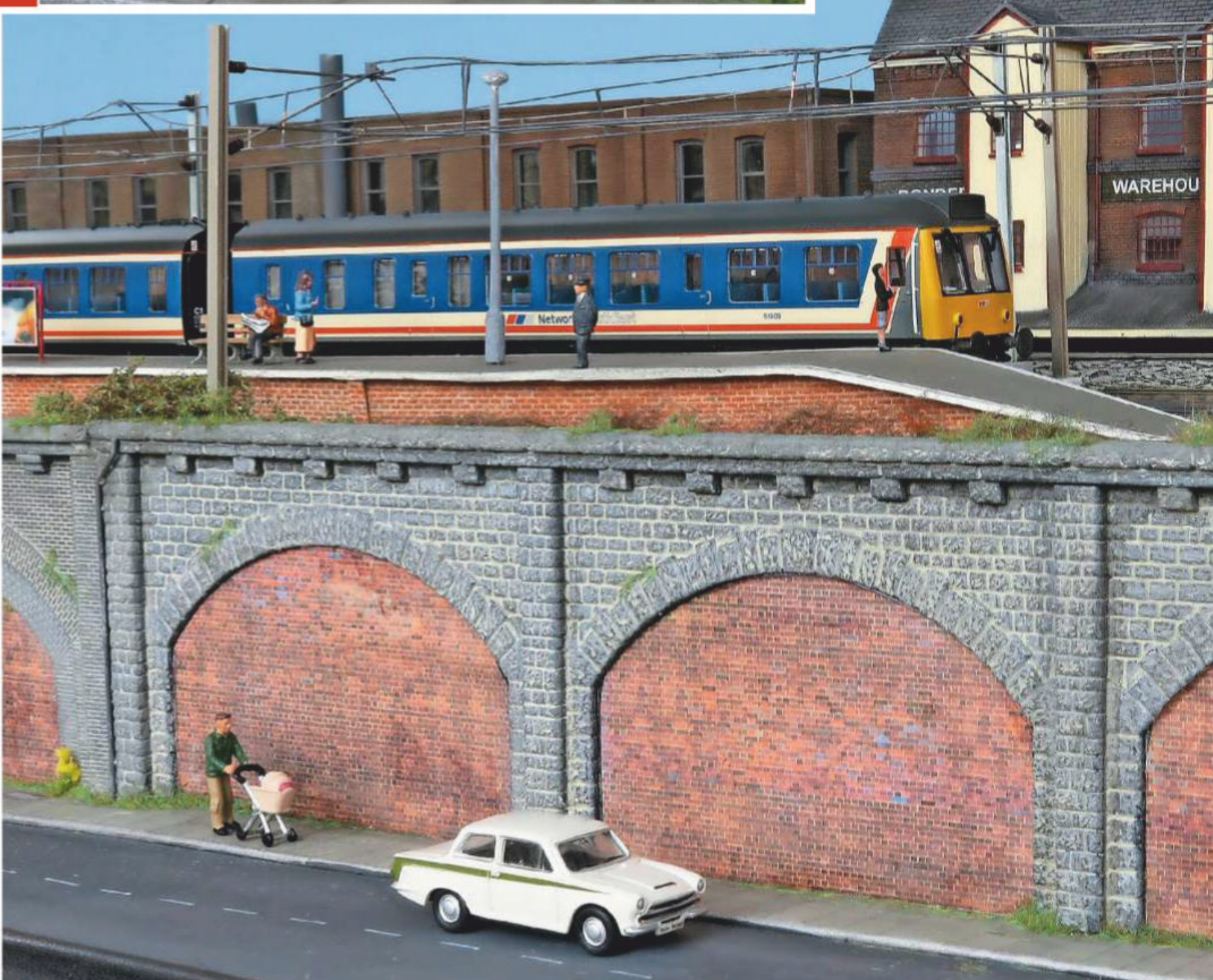
13

An easy way to hide gaps between your pavement and adjoining buildings or structures is to run a line of PVA along it and sprinkle on some grasses.



14

Now you can decorate your street scene with bus stops, phone boxes, street lights, people and other things, such as this Artitec bicycle.



SALES LINE
01432 352809

EEmail - Sales@herefordmodels.co.uk
www.herefordmodels.com

SHOP OPEN MON-SAT 9-5.30 4 COMMERCIAL ROAD, HEREFORD, HEREFORDSHIRE, HR1 2BB

THE HEREFORD MODEL CENTRE

OO9/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.**

NEW RELEASES

R3634 SR Lord Nelson
class £152.95

R3618 BR Rebuilt Battle of
Britain £139.45

32-002A BR Hall Black
weathered £140.20

32-007 GWR Hall . £135.95

OR76N7001 GER N7 (K85)
..... £87.00

HORNBY

R2744	Schools Blundells BR.....	£84.95
R2917	2800 Class BR.....	£103.99
R3003	B17/6 Barnsley.....	£116.45
R3004	Serlby Hall.....	£116.45
R3233	LNER D16	£100.95
R3235	British Railways D16.....	£100.95
R3242A	K1 BR Early.....	£116.95
R3243B	K1 BR Late	£116.95
R3276	LMS compound.....	£66.45
R3278	Patriot Class Bradshaw.....	£70.00
R3311	BR Schools Westminster .	£119.45
R3318	B17 BR Early Gilwell.....	£116.45
R3325	J50 BR Early.....	£69.45
R3329	BR Late S15	£123.99
R3327	SR S15.....	£123.99
R3333	BR Early Adams.....	£107.95
R3334	BR Late Adams	£107.95
R3405	LNER J50	£78.50
R3407	BR J50	£78.50
R3411	SR S15.....	£125.95
R3413	S15 BR Late	£119.45
R3420	BR 700 Class.....	£99.45
R3421	BR 700 Class.....	£99.45
R3422	Adams SR.....	£109.45
R3423	Adams BR.....	£109.45
R3424	LNER Q6.....	£125.45
R3425	BR Early Q6	£125.45
R3426	BR Late Q6	£125.45
R3432	B12 BR Late	£127.95
R3414	LNER J15	£99.45

Mail Order Service

All prices valid to 28.02.19.

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.



R3452	BR Grange.....	£119.25
R3453	BR Black 5.....	£134.00
R3456	N15 BR	£137.45
R3465	LNER N2.....	£82.95
R3499	BR Hall Class	£72.45
R3522	BR A4 Miles Beevor.....	£134.45
R3525	BoB Archibald Sinclair.....	£131.99
R3559	SR Q1.....	£89.45
R3560	Q1 BR Late.....	£89.45
R3566	BR Merchant Navy.....	£154.95
R3565	LMS Class 8F	£134.00
R3586	BR Schools Class	£75.99
R3588	LNER B17	£76.50
R3612	'Mallard' 80th Anniversary Gold Plate Edition	£183.99
R3614	LMS Patriot	£129.45
R3617	'Elder Dempster Lines' ...	£129.45
R3630	LNER A4 'Woodcock'	£135.99
R3676	LNER A4 'Mallard'	£151.50
R3681	LMS Duchess.....	£184.00
R3682	BR Duchess	£184.00

Train Packs/Sets

30-285	The Midlander Set.....	£178.45
R1180	Postal Express Set.....	£124.45
R2372m	Royal Dutchey Pack.....	£95.00
R2815	Southern Suburban Ltd...£159.00	
R2986	Date with the Duchy	£179.90
R3093	Tornado Train Pack	£116.99
R3299	1945 Going Home.....	£259.45
R3399	EWS Freight train pack ...	£184.99
R3402	Queen of Scots pack	£263.99
R3670	72xx Freight pack.....	£138.95
R3671	K1 F reight pack.....	£128.95

HORNBY Diesel Electric Locomotives

R3260	2 HAL SR Green.....	£113.90
R3261	Class 08 Network Rail	£84.45
R3342	Class 08 BR Blue	£104.45
R3343	Class 08 F.G.W.....	£104.45
R3268	Class 67 Arriva.....	£122.90
R3373	Class 71 BR Green w/panel..£134.95	
R3374	Class 71 BR Blue	£134.95
R3376	Class 71 BR Green	£134.95
R3177	BR 2 Bil SR Green	£98.95
R3161B	SR 2 Bil	£120.60
R3177	NRM 2 Bil BR Green	£98.95
R3290A	BR 2 Hal Green	£113.90
R3262	Class 31 DCR	£142.45
R3353	Sentinel Balfour Beatty	£49.45
R3341A	BR Blue 2 HAL	£115.95
R3473	Class 56.....	£135.99
R3483	Sentinel Crossley.....	£51.45
R3484	Class 08 BR Green	£109.45
R3485	Class 08 Laira Blue	£109.45
R3573	Class 66 GBRF.....	£79.45
R3577	Sentinel graham.....	£58.00
R3580	BR Class 87.....	£139.40

R3582	Class 87 'King Arthur' Intercity	£139.25
R3685	GWR HST	£261.00
R3653	BR Class 50 'Leviathan'	£137.25
R3658	Class 50 'Glorious' NSE..	£129.25

HORNBY TRACK

R083	Buffer Stop	£1.65
R207	Track Fixing Pins	£2.50
R600	Straight	£1.15
R601	Double Straight	£1.85
R604	Curve 2nd radius.....	£1.65
R605	Double Curve 1st Rad.....	£2.05
R606	Curve 2nd Rad.....	£1.40
R607	Double Curve 2nd Rad.....	£1.95
R608	Curve 3rd Rad.....	£1.65
R609	Double Curve 3rd Rad.....	£2.25
R610	Short Straight.....	£1.10
R614	LH Diamond Crossing.....	£9.25
R615	RH Diamond Crossing.....	£9.25
R617	Uncoupling Ramp	£2.30
R618	Double Isolating Rail	£6.85
R620	Railer Uncoupler.....	£4.35
R628	Half Curve 3rd Rad.....	£1.80
R643	Half Curve 2nd Rad.....	£1.20
R8072	LH Point.....	£7.95
R8073	RH Point	£7.95
R8074	LH Curved Point	£12.60
R8075	RH Curved Point.....	£12.60
R8076	Y Point.....	£8.95
R8077	LH Express Point.....	£12.60
R8078	RH Express Point.....	£12.60
R8206	Power Track	£5.95
R8261	4th Radius Curve.....	£1.85
R8262	4th Radius Double Curve	£2.65

HORNBY Track Accessories

R076	Footbridge	£15.10
R169	Junction Home Signal.....	£10.35
R170	Junction Distant Signal	£10.35
R171	Single Home Signal	£7.95
R172	Single Distant Signal.....	£7.95
R189	Single Brick Bridge.....	£7.95
R406	Colour Light Signal	£19.00
R574	Trackside Accessories.....	£12.95
R626	Point Underlay.....	£4.20
R636	Double Level Crossing	£20.15
R638	Track Underlay	£10.55
R645	Single Level Crossing	£12.45
R658	Inclined Pier Set.....	£12.65
R659	High Level Pier Set	£6.95

HORNBY Trackside

R460	Straight Platform.....	£3.45
R462	Large Curve Platform.....	£3.45
R463	Small Curve Platform.....	£3.45
R464	Platform Ramp.....	£3.45
R495	Platform Subway.....	£3.45

R510	Platform Shelter	£10.95
R8001	Waiting Room	£17.95
R8003	Water Tower.....	£13.55
R8007	Booking Hall.....	£24.99

HORNBY Control Equipment

R044	Point Switch.....	£8.45
R046	Two Way Switch	£8.45
R047	On/Off Switch	£8.45
R602	Power Connecting Clip.....	£1.65
R8014	Point Motor	£6.75
R8015	Point Motor Housing.....	£3.99
Hornby TTS sound decoders		£33.95

BACHMANN Steam Locomotives

31-001	Robinson BR Late Crest....	£94.99
31-002	Robinson BR Early Crest ...	£94.99
31-003	Robinson LNER	£94.99
31-003A	Robinson 04 LNER	£110.45
31-004A	Robinson 04 BR Early.....	£118.95
31-014	Class 7F SDJR Black	£125.75
31-015	Class 7F LMS Black.....	£125.75
31-088	BR Black Earl.....	£118.95
31-127	CL3000 BR ROD	£118.45
31-128	BR ROD Weathered	£102.45
31-136	DC D11/2 BR	£115.90
31-170	BR Black LYR Tank.....	£93.45
31-318A	LNER J11	£127.45
31-434	Class 1f BR Early.....	£81.55
31-435	Class 1f BR Early	£81.55
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
31-761	GNR Atlantic.....	£169.95
31-783	Fountains Hall BR.....	£114.75
31-910	LBSC Atlantic	£169.95
31-921	BR H2 Atlantic	£161.45
31-932DC	BR Compound	£127.75
31-933	BR Compound Late Crest	£112.88
31-980	Standard 3MT Green	£110.45
32-078	GWR 56XX.....	£97.70
32-154A	N Class BR Black weathered	£99.10
32-176	BR Crab.....	£123.20
32-178A	LMS Crab	£123.20
32-550B	Tornado BR Green	£127.95
32-227B	LMS 3F Jinty.....	£72.20
32-233	3F Jinty SDJR	£62.00
32-235	BR 3F Jinty	£80.70
32-880	Fairburn LMS	£106.20
32-882	Fairburn BR Late	£106.20
35-050	LNWR Coal Tank.....	£101.95
35-051	LMS Coal Tank.....	£101.95
35-052	BR Coal Tank.....	£101.95

BACHMANN Diesel/Electric Locomotives

31-040	SWT Class 450	£271.95
31-041	SWT Class 450 wthd.....	£297.45
31-269	MLV Jaffa	£83.26
31-366	Class 03 BR Green.....	£70.50
31-679	Class 85 Electric Blue.....	£118.45
31-660A	BR Class 47 L/L	£135.95
32-533	Class 55 Green weathered	£131.70
32-981	Class 66 Freightliner	£127.45
32-993	Wickhams Trolley Yellow ...	£67.95
32-034A	Class 20 BR Green.....	£97.70
32-038DS	Class 20 BR Blue	£195.45
32-066	Class 43 BR Green.....	£118.95
32-786	Class 37 EWS	£106.20
31-327	CL105 BR Green.....	£79.45
31-535	CL105 BR Blue Power Twin	£84.45
32-928	Class 150 Sprinter	£135.95
32-937	Class 150 Centro	£127.45
32-992	Wickhams Trolley Yellow ...	£67.95
31-677	CL85 BR Blue	£85.99
31-575	Windhoff MPV NWR.....	£104.00
31-576DC	Windhoff MPV NWR.....	£114.00
31-577	Windhoff Railtrack.....	£104.00
32-789	Colas Class 37 'Merl Evans'	£135.95

DAPOL/OXFORD/HELJAN/DJM

4D-022-009	Class 68 Scotrail.....	£131.70
4D-022-010	Class 68 DRS	£131.70
4D-022-012	Class 68 Chiltern	£131.70
GV2013	Janus British Steel	£92.45
DJM00J94-SPI	NCB J94.....	£99.75
OR76 DG001	GWR Dean Goods.....	£88.95
OR76DG005	Dean Goods w.snowplough	£94.50
OR76AR005	Adams East Kent	£84.45
OR76AR006	Adams SR	£84.45
9005	Metropolitan No 19.....	£106.95
9006	Metropolitan No 6 William Penn	£106.95
9008	London Transport No12 Sarah Siddons Preserved	£106.95
9009	London Transport No12 Sarah Siddons 1990s.....	£106.95
GV2017	GWR 0-6-0T	£52.45
GV2018	Black 0-6-0T	£52.45
H1301 1361	GWR s.button	£122.45
H1302 1361	GWR	£122.45
H1303 1361	BR Early	£122.45
H1304 1361	BR Late	£122.45

HOW TO

BUILD A RETRO WAGON KIT

Don't dismiss a kit because it's old. **Chris Leigh** explains how, with a little work, you can create a little gem from an old kit.

I love the fact that even when you've been a railway modeller for as long as I have, you can still discover new things. I've been working to assemble a Wisbech & Upwell train to run with our new 'J70' (see page 18) and that means acquiring a lot of fruit vans.

eBay is my first port of call for such a project, just to see what's available. A search for 'fruit van OO' revealed this 'Rex BRMSB' fruit van kit, amid loads of Bachmann and Parkside offerings.

It immediately fired my curiosity. The British Railway Modelling Standards Bureau - BRMSB - established the first sets of standard dimensions for various UK modelling scales and gauges. Among them is the 14.5mm back-to-back measurement which is still the standard for 'OO', though many of the BRMSB standards have been superseded in the past 50 years.

The fact that the kit description mentioned BRMSB certainly dated it, but the eBay entry showed nothing more than the box, still sealed from the day it was first packed 60-plus years ago. Having won the auction, I was in for another surprise. The box measured little more than a couple of inches long and an inch or so square - scarcely big enough for a ready-to-run 'N' gauge model.

I broke the ancient paper seal and removed the tightly packed parts, neatly wrapped in a strip of vintage *Daily Mail* which carried no date, but mentioned the 1953 Australian cricket team and carried part of an advertisement for the Austin A30! So, the kit dates from the mid-1950s.

Let's put that in context. Ready-to-run 'O' gauge tinplate was still in vogue. 'OO' gauge meant the crudest of Tri-ang coarse scale, and Hornby-Dublo three-rail with tinplate wagons. It was Christmas 1955 when I received my first Hornby-Dublo train set. I was just - by a few days - nine years old.

It was no wonder that the kit stressed its BRMSB credentials for here was a model which must have been state-of-the-art in its day. In fact, 'J70s' were still working daily on the Wisbech & Upwell when this kit was made.

I decided to build it. Even if it's not brilliant by current standards, it's not that bad, and with a bit of extra detail it would not be out of place among modern models.



MODEL REX/ERG Masterpiece
Fruit Van Kit ♦ Price £15

AVAILABILITY
eBay - see text



3 hrs



I've no idea if it is based on a prototype or if it's just a generic short-wheelbase van, so I made some homemade decals to suit BR lettering style. I think the model would benefit from the addition of brake levers so I will be

checking to see what I can find in my spares box [Now fitted! **CJL**]. In the meantime, I'm already halfway through building a cute little brake van which looks very like the LNER type, and I'm bidding on a tank wagon kit.

'J70' 0-6-0T
No. 7130 at Wisbech,
circa 1935, with
short goods train,
comprising 12t
steel-ended van
No. 185785 and a
'Toad B' brake
van. Fruit vans
were common
sights during
the busy harvest
period, with
general purpose
vans and open
wagons used
throughout the
year.
RAIL ARCHIVE
STEPHENSON



STEP
BY
STEP

1

The body parts are all clear mouldings. The chassis parts are Mazak castings, secured to the floor with 8BA screws and nuts. Metal buffers and three-link couplings are included.

2

The piece of chain has to be separated into two three-link sections by opening one of the links with a pair of pointed-nose pliers. The open link is then inserted through the hole in the coupling and closed.

3

The coupling shaft is passed through the bufferbeam (hook upwards). The coil spring is passed over the coupling shaft and secured in place with the split pin.

4

Two 8BA countersunk screws are passed through the holes in the floor and into the holes in the bufferbeam, making sure both parts are the correct way up.

5

One solebar casting is then added, with its rebated end located over the bufferbeam and the screw. Any flash on the casting can be filed off before fitting.

6

8BA nuts are then added to the screws at either end of the solebar. These are held with pliers or a suitable spanner, while the screws are tightened.

8

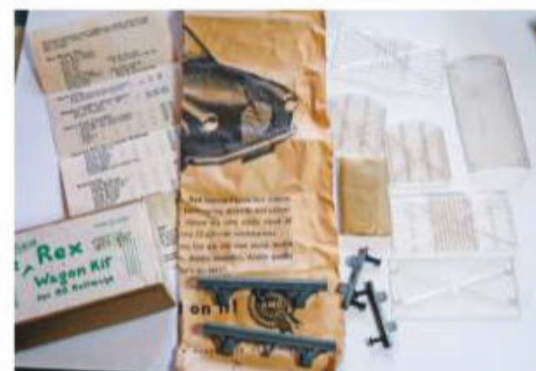
Starting with one side and one end, the body is assembled round the floor. Deluxe Materials' Plastic Magic applied down the inside of the joints is ideal for gluing the moulded parts.

9

With the sides and ends assembled, only the fitting of the roof remains. I glued it carefully from the outside, brushing the Plastic Magic under the eaves.

10

The Rex wagon kit



The McMurdo Instrument Company launched these wagon kits as a post-war development of its main business in electronic components. In that respect, it was not unlike Graham Farish.

It is likely that the modeller behind the kits was Ernest Rankine-Grey and around 1950 they became ERG Masterpiece kits, based in Bournemouth.

Initially marketed as bulk packs of components, you could buy a dozen van sides for 6s 6d (32.5p). ERG turned them into complete kits with Mazak chassis parts. Carbon Tetrachloride was recommended for assembly - its health and environmental effects were not understood at the time.

The Rex name was adopted in 1955 and the kits were provided with improved plastic disc wheelsets. Manufacturing ended in the mid-1960s, by which time Hornby-Dublo was producing its plastic-bodied super-detailed wagons.

10

I sprayed the whole wagon with grey primer, then airbrushed BR bauxite on the sides and ends. The chassis was brush-painted with Humbrol acrylic matt black.

MASTERCLASS

Looking at locomotives in detail

Maunsell 'Zs'

Richard Foster provides the fascinating history while **Grahame Hedges** shows you how to model one of these powerful – and strangely beautiful – beasts.

Fratton shed, near Portsmouth, became a dumping ground for preserved steam locomotives without a permanent home.

If you were lucky enough to bunk it in 1963, you'd have seen the likes of 'T9' No. 30120, Beattie 'Well Tank' No. 30587, *Lord Nelson* and two Maunsell 'Schools', all left to await their fate.

Tucked alongside was Maunsell 'Z' No. 30952. You might have gawked at this ungainly monster with its large overhangs, protruding cylinders, huge bunker and the smokebox strangely smaller in diameter than the boiler cladding and crowned by an ugly door with dogclips. Despite its looks, there was something about the 'Z'. Snapping the beast with your Box Brownie, you couldn't help hoping that someone might come along to save it.

The 'Zs' might not have been the prettiest locomotives to run on Britain's railways but their quirky looks and sheer power ensured that they maintained a cult following among enthusiasts.

For a railway company that relied mainly on passenger traffic rather than freight, the

Southern Railway handled considerable goods traffic through its yards in the London suburbs. The 'Zs' were designed to serve this traffic but became unfortunate pawns in the game of railway – and, indeed global – economics.

HUMP SHUNTERS

The London & South Western Railway opened Feltham marshalling yard, in south-west London, in 1918. A large locomotive depot sprang up to serve it, being home to locomotives dedicated to hump shunting and trip freights – 'G16'

4-8-0Ts and 'H16' 4-6-2Ts – as well as 'S15' and 'H15' 4-6-0s for heavy freight duties.

The LSWR had placed an order for more 'G16s' just before the Grouping but new Southern Railway Chief Mechanical Engineer Richard Maunsell cancelled it. Maunsell and his team penned a new design, better suited to heavy shunting, and eight new 0-8-0Ts were authorised on March 17 1926.

The first would not enter service until March 1929. The boiler was based on the London Brighton & South Coast's 'C3' 0-6-0 as it was saturated (superheating was

“ 'Zs' weren't the prettiest locomotives, but their looks and power ensured a cult following ”



deemed unnecessary) and it had a small grate area. However, its large steam capacity was perfect for a locomotive that needed to deliver short bursts of power between times of sitting idle.

That boiler generated steam for three 16in by 28in cylinders. This might seem like overkill but it provided greater acceleration and was better at providing power at slow speed. The GWR-style protruding cylinders were based on those fitted to 'U1' and 'N1' 2-6-0s but there was no Holcroft conjugated valve gear.

Left: Immaculate 'Z' No. A950 at Bricklayers Arms shed, when new in 1929. This shed served the goods yards at Hither Green. The 'Z's' cab profile suited the Southern's restricted Central Section loading gauge. Later, sliding ventilators were fitted to the cab roofs. O.J. MORRIS/RAIL ARCHIVE STEPHENSON

The classic image of Maunsell's massive 'Z' hard at work: these 0-8-0Ts are best known for their work on banking trains up the 1-in-37 gradient from Exeter St David's to Exeter Central. Nos. 30955 and 30956 are giving a helping hand to a heavy ballast train in 1960. But the 'Zs' were only regularly employed at Exeter for these duties from the summer of 1959 until the end of 1962. MIKE FOX/RAIL ARCHIVE STEPHENSON



Maunsell originally wanted this option but Civil Engineering objected to the length of the front overhang. A 2-8-0T reduced the overhang but at the expense of adhesion. In the end, three sets of Walschaerts valve gear were employed but the arrangement of the inside set would later cause operational issues as standards of maintenance declined.

The length may have been 39ft 4in over buffers but those four axles were arranged in such a way that the new design could cope with curves as tight as 4½ chains.

The styling was pure Ashford but the eight 'Zs' emerged from Brighton Works between March and September 1929. A further ten 'Zs' were authorised for 1930 but, a month after No. 957 entered service, the New York stock exchange crashed and the world swiftly plunged into financial crisis. The subsequent

Ashford or Brighton?

The Southern Railway divided its fleet among three sections (Eastern, Central and Western), centred around the main works of its pre-Grouping constituents. Locomotives were given an 'A' (Ashford), 'B' (Brighton) or 'E' (Eastleigh) prefix to its number depending on which section it was allocated to.

The eagle-eyed might notice that the 'Zs' carried 'A' prefixes, despite being built at Brighton. The reason for this anomaly is that design work was carried out at Ashford and that's where the 'Zs' would have been built. But the former South Eastern & Chatham works was full of 'River' 2-6-4Ts being turned into 'U' 2-6-0s so 'Z' construction was switched to Brighton. The locomotives were allocated numbers in the Eastern section but the boiler numbers were fitted in Brighton Works' sequence.

The Southern abandoned the prefix system in 1931. Former Eastern Section locomotives ('A' for 'Ashford') gained a '1' on their numbers and Central Section ('B' for 'Brighton') machines gained a '2'. The 'Zs' avoided this because, despite where they were built, they were treated as Western Section ('E' for 'Eastleigh') locomotives and their numbers remained unchanged.



drop in trade affected Britain's railways and one of the Southern's measures was to cancel its order for new shunters.

The 'Zs' were initially distributed to Bricklayers Arms (for Hither Green yard), Eastleigh, Gillingham (for Hoo sidings), Exmouth Junction, West Croydon (for Norwood) and Salisbury (for Milford yard). Crews immediately preferred their new steeds' power and performance over older shunters and the bigger, more spacious cabs also found favour.

WRONG TIME AND PLACE...

No matter how good the 'Z' was, it always seemed to fall foul of the money men. When new, No. A955 went to Folkestone for trials on the steeply graded branch to

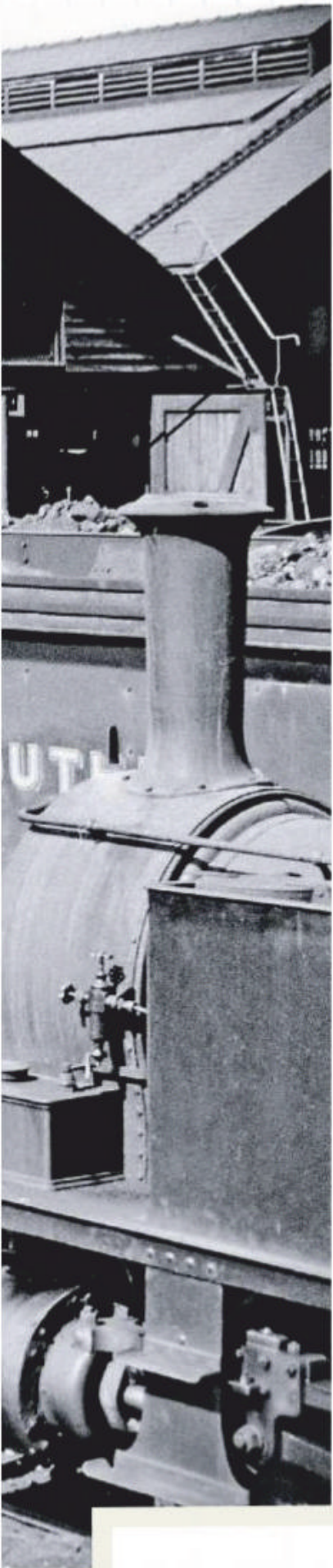
the harbour. No. A955 alone was more powerful than a pair of Stirling 0-6-0Ts, but the Civil Engineering department baulked at spending over £23,000 on upgrading the route to take the 'Z's' weight.

Britain's economic situation had improved towards the middle of the decade but there was a new threat to the 'Zs' in the form of diesel shunters. Maunsell's three 350hp 0-6-0DEs entered service in autumn 1937 and trials were held at Hither Green in early 1938 between them and the 0-8-0Ts. A 'Z' cost over £2,500 more to operate than the diesel.

The Second World War gave the story of the 'Zs' an intriguing twist. Nos. 951, 955 and 956 were dispatched to the Cairnryan Military Railway near Stranraer in December 1942 where they were renumbered 213-215.

What makes this more fascinating is that they were painted grey, with white bufferbeams. All lettering was apparently yellow and the natty ensemble was finished off with crimson coupling rods. No. 215 (formerly No. 956) was fitted with lorry headlamps. Their work in Scotland was brief and they were back on the Southern by the start of 1944, all carrying their old numbers and, presumably, a fresh coat of black paint.

The 'Zs' led a peripatetic existence after the war. Eastleigh had No. 952, Exmouth Junction No. 954 and Salisbury No. 957. The rest were at Hither Green until growing numbers of diesels displaced them. The Hither Green quintet was distributed to Gillingham, Eastleigh, Ashford and Feltham. The latter yard hated its new arrival and it ➤



Above: No. 30952 presents a forlorn sight on the turntable road at Severn Tunnel Junction shed in early 1965. It had been withdrawn in November 1962 but, with rumours of preservation attempts, had been stored at both Eastleigh and Fratton. It was eventually sold to Cashmores of Newport for scrap and subsequently dismantled in spring 1965. RAIL ONLINE

Below: No. 30954 still carries the word 'Southern' on its tanks but has received its BR number when photographed at Exmouth Junction shed on June 5, 1949. The plate behind the snifting valves is where Maunsell's revised pattern clack valve was fitted. Bulleid returned the clack valve to the original position. JOHN P. WILSON/RAIL ARCHIVE STEPHENSON



Left: No. 951 sports smart Southern Railway wartime black outside Eastleigh Works circa 1946/1947. The protrusion behind the chimney is a valve designed to allow any condensed steam to escape, a job normally performed by the cylinder draincocks. However, this valve lifted such steam clear to improve visibility from the cab. Fitting started in 1939 but they were removed from 1946. RAIL ARCHIVE STEPHENSON

Below: No. 30953 at Templecombe shed on August 31 1958. As No. 953, it was the first 'Z' to receive the spare boiler that was built at Eastleigh in 1934. This boiler has extra washout plugs and fewer tubes. Existing boilers were later rebuilt with this revised tube layout. K.L. COOK/RAIL ARCHIVE STEPHENSON



The 'Z' fleet

30950

Built: March 1929

Allocations (from 1948): Hither Green; Eastleigh; Stewarts Lane; Brighton; Tonbridge; Ashford; Exmouth Junction

Withdrawn: October 1962

Fate: Scrapped Eastleigh Works, November 1962

30951

Built: April 1929

Allocations (from 1948): Hither Green; Gillingham; Three Bridges; Ashford; Exmouth Junction

Withdrawn: November 1962

Fate: Scrapped Eastleigh Works, March 1964

30952

Built: May 1929

Allocations (from 1948): Eastleigh; Dover; Eastleigh; Ashford; Exmouth Junction

Withdrawn: November 1962

Fate: Scrapped Cashmores, Newport, spring/summer 1965

30953

Built: May 1929

Allocations (from 1948): Hither Green; Ashford; Templecombe; Salisbury SR; Templecombe; Exmouth Junction

Withdrawn: December 1962

Fate: Scrapped Eastleigh Works, January/February 1963

30954

Built: June 1929

Allocations (from 1948): Exmouth Junction; Salisbury SR; Templecombe; Salisbury SR; Exmouth Junction

Withdrawn: December 1962,

Fate: Scrapped Eastleigh Works, February 1963

30955

Built: July 1929

Allocations (from 1948): Hither Green; Feltham; Nine Elms; Ashford; Eastleigh; Brighton; Ashford; Exmouth Junction

Withdrawn: December 1962

Fate: Scrapped Eastleigh Works, April 1963

30956

Built: August 1929

Allocations (from 1948): Hither Green; Eastleigh; Brighton; Exmouth Junction; Salisbury SR; Exmouth Junction

Withdrawn: December 22 1962

Fate: Scrapped Eastleigh Works, January 1963

30957

Built: September 1929

Allocations (from 1948): Salisbury SR; Exmouth Junction; Salisbury SR; Exmouth Junction

Withdrawn: November 1962

Fate: Scrapped Eastleigh Works, December 1962

MASTERCLASS

was swiftly moved on to Nine Elms.

Eastleigh could have provided a suitable home. The arrival of a diesel in 1950 pushed the 'Zs' onto the Fawley branch where their prodigious haulage power was put to good use. However, the diesel disappeared and Nos. 30950 and 30956 returned to more mundane shunting duties.

This was short-lived. Dieselisation of Eastleigh pushed the 'Zs' away. Dover appeared to find No. 30952 useful but Brighton didn't. No. 30950 was swiftly transferred to Tonbridge. Nos. 30953 and 30954 spent time on the Somerset & Dorset Joint Railway, at Templecombe.

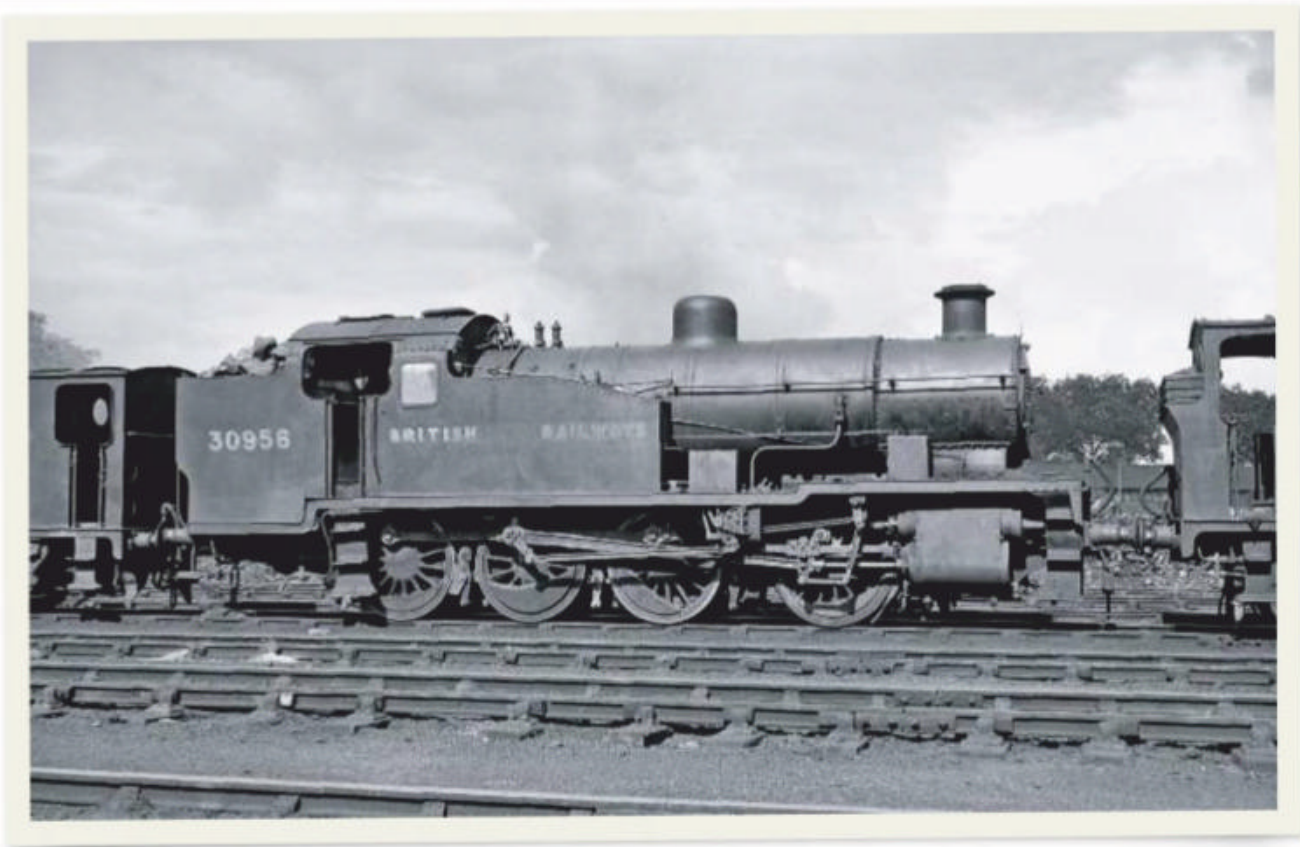
Redbridge could have provided a welcome home for the 'Zs'. Rising traffic from British Industrial Sand's sidings meant that Redhill shed needed something more powerful than old LBSCR 0-6-0s. No. 30950 was trialled there alongside a diesel but, again, diesel power proved to be more efficient.

Exmouth Junction would provide a sanctuary for the 'Zs' but even that wasn't particularly smooth sailing. Old Stroudley 'E1/R' 0-6-2Ts were used to bank trains on the ferocious 1-in-37 grade between Exeter Central and the Western Region's Exeter St David's station. Nos. 30950 and 30956 were trialled there in February 1956 and were deemed a success.

However, the Western Region didn't want the 'Zs' on their metals.

IGNOBLE END

It took until August 1959 for the WR to relent. All eight 'Zs' were gathered at Exmouth Junction where they were used for banking,



along with goods work around Central and trips out to Yeoford.

Their idyllic existence in Devon didn't last. No. 30950 was recalled to Eastleigh in August 1962 for overhaul. The spare boiler had even received a new firebox in readiness, but was never used. With No. 30950 in the Erecting Shop, it was decided to withdraw the whole class and replace them with Maunsell 'W' 2-6-4Ts instead.

The 'Ws' were awful bankers and inefficient shunters but coped better with local trip work. But any protestations were meaningless for, by the end of December 1962, all the 'Zs' had been withdrawn.

Rumours were that No. 30952 was subject

Above: No. 30956 at Eastleigh shed on July 14, 1950. This was one of several 'Zs' fitted with an additional bunker handrail and footstep. BR would complete fitting the 'Zs' with AWS in 1962, just before the whole class was withdrawn *en masse*.

J.M. JARVIS/ONLINE TRANSPORT ARCHIVE/RAS

to purchase for use at the Bluebell Railway and it was moved to Fratton for safekeeping.

If any preservation attempt was under way, it came to nothing. No. 30952 had its rods removed and it was unceremoniously dragged to South Wales. It was finally scrapped at Cashmore's yard at Newport in 1965.

◆ Thanks to Richard Strange for the allocation and disposal data. 



A powerful study of No. 30955 as it pilots '700' 0-6-0 No. 30327 away from Exeter St David's on August 5 1960. It's hard to believe, given the bulky lines of the 'Z', that the boiler was based on an LBSCR 0-6-0. These were one of the few locomotives where the smokebox was of a smaller diameter than the boiler. MIKE FOX/RAIL ARCHIVE STEPHENSON



HOW TO MODEL A 'Z'

Grahame Hedges show you how – using a whitemetal kit

It doesn't seem so long ago that if you wanted a particular class of locomotive in model form, you had to build it yourself. Worst-case scenario was that you had to scratchbuild, but the void between scratchbuilding and ready-to-run was filled by a huge range of etched brass and whitemetal kits.

The whitemetal body kit was the simplest way of owning a model of your favourite locomotive. OK, it wouldn't be perfect, with compromises made to fit a generic ready-to-run chassis, but that in itself would save you a lot of time. The body was easy to assemble, too. The expert could use solder but, armed with some cyano glue, even the average modeller could achieve a decent result.

One such manufacturer was GEM. Originally produced by George E. Mellor, the range passed to Lytchett Manor Models, which has since cut back its manufacturing and retailing activity. KMG Models (www.kmgmodels.co.uk) still stocks GEM kits but many, including the 'Z', are no longer in stock.

I've always liked the Maunsell 'Z' and managed to source an unbuilt GEM kit. What follows, therefore, is more about proving that a whitemetal kit is still a credible alternative to simply waiting and hoping that a manufacturer might choose to make your favourite locomotive.

I had fun making the model and satisfaction in completing this project. And I've now got a locomotive that is not available RTR. Whitemetal kit-building is not dead, so why not track down a kit and have a go yourself!



MODEL Gem 2003 SR/BR 'Z' class 'N' gauge Loco Body Kit

AVAILABILITY
Not available new

8 hrs



Left: A fine portrait of No. 30957 outside Exmouth Junction shed on August 26 1959. Just in front of the tanks is the box that protected the reversing mechanism from excess muck and dust. No. 957 was the first to receive this addition in September 1945. K.C.H. FAIREY/COLOUR RAIL

Sourcing the chassis

Most whitemetal body kits are quite inexpensive. The real expense comes with sourcing the chassis. GEM recommended a Graham Farish Stanier '8F' for its 'Z'.

'8Fs' made in Farish's Poole factory are still around but they have shiny wheels and large pizza cutter flanges. The later '8Fs' made in China have finer profile blackened wheels but without see-through spokes and will cost you quite a bit more. The Chinese models don't crop up as often on eBay so I thought it worth spending the extra.

There is the option of using the Dapol '2884' 2-8-0 but it will require a fair bit



of modification to fit and the addition of a small motor to power it.

Whatever you choose, you'll need to source something appropriate to complete a running model.

STEP BY STEP



1 Start by dismantling the Farish '8F'. There's just one screw to remove. Put the body and pony truck to one side. Test-fit the whitmetal footplate. Place it over the motor and hold it in place with the same bolt removed earlier. Test-run the chassis.



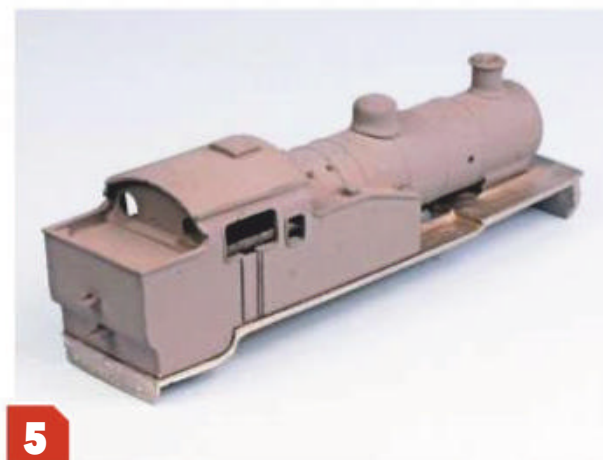
2 Have a dry run, without glue or solder, to test the fit of the parts. Whitmetal parts can be glued together with cyanoacrylate (my method of choice), epoxy resin or low-temperature melt solder.



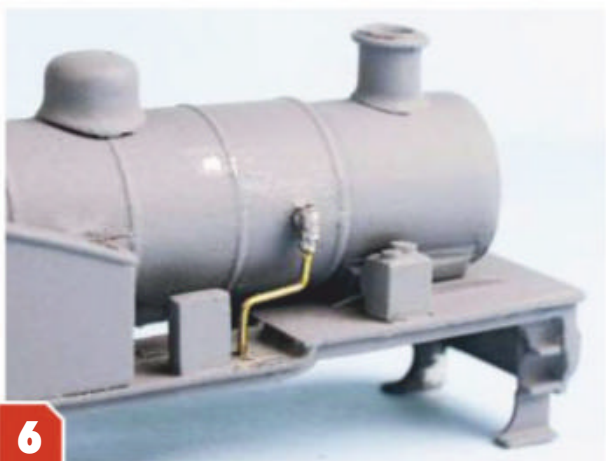
3 The main body parts fit together easily. Remove any flash with a sharp knife and a fine, soft sanding stick. Remove the moulded handrails with a blade and sand flush with the body. Drill out the inside of the chimney with a thin drill bit.



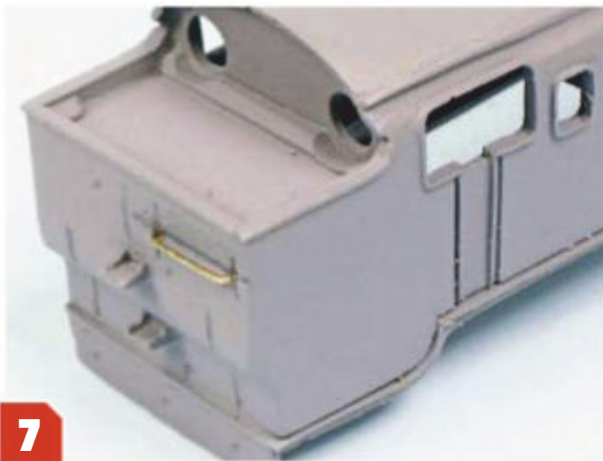
4 Tidy the body with soft sanding stick and a glass fibre pen. Wash it, let it dry and then dust with primer to reveal areas that need attention. For example, the dome isn't seated tightly against the boiler top and needs sorting out.



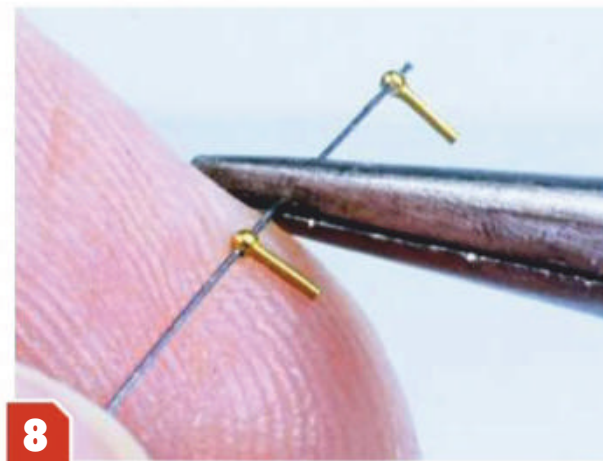
5 Place the body on the running plate and test-run the model to check that it doesn't cause any short circuits, or obstruct the mechanism. When you are happy with it, glue the body to the footplate.



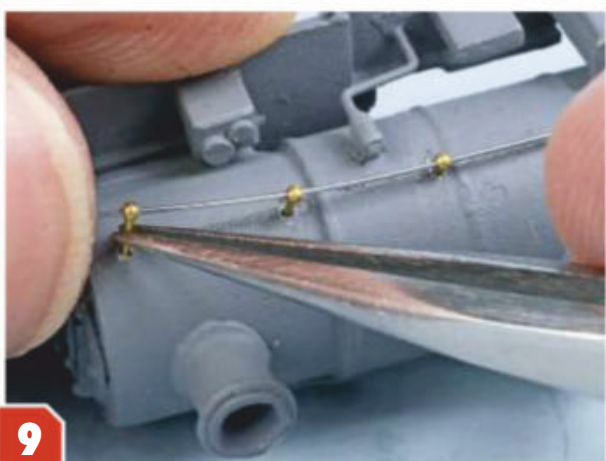
6 Fit the reversing mechanism covers, sand boxes, clack valves and front steps. These needed cutting and filing to get a fairly tight fit. The wire is supplied and fits inside a hole that you need to drill through the footplate.



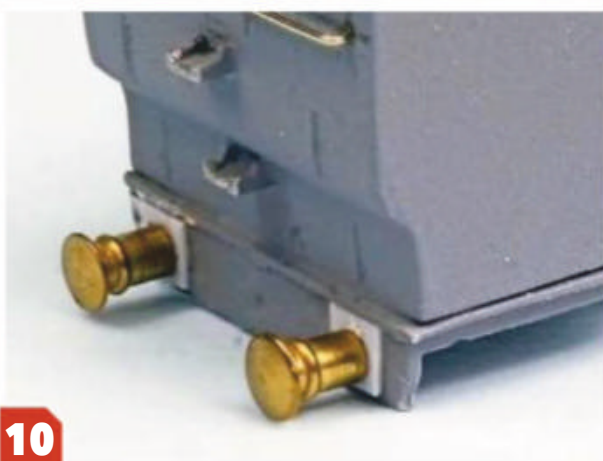
7 Mark the holes for the bunker handrails with a pencil, using photographs for reference. Drill the holes using a pin vice. Bend the wire with fine-nosed pliers, push into the holes and secure with glue.



8 The boiler handrails are short and straight and require just four knobs on each side. Mark the positions of the knobs with a pencil and drill the holes to accommodate them. Then cut the wire to length and the knobs just slide on.



9 Anchor the first knob with a little glue so that they don't all slide off the end of the wire. Press the remaining knobs into their holes and secure them with glue. Fine pliers or tweezers are a must for this job!



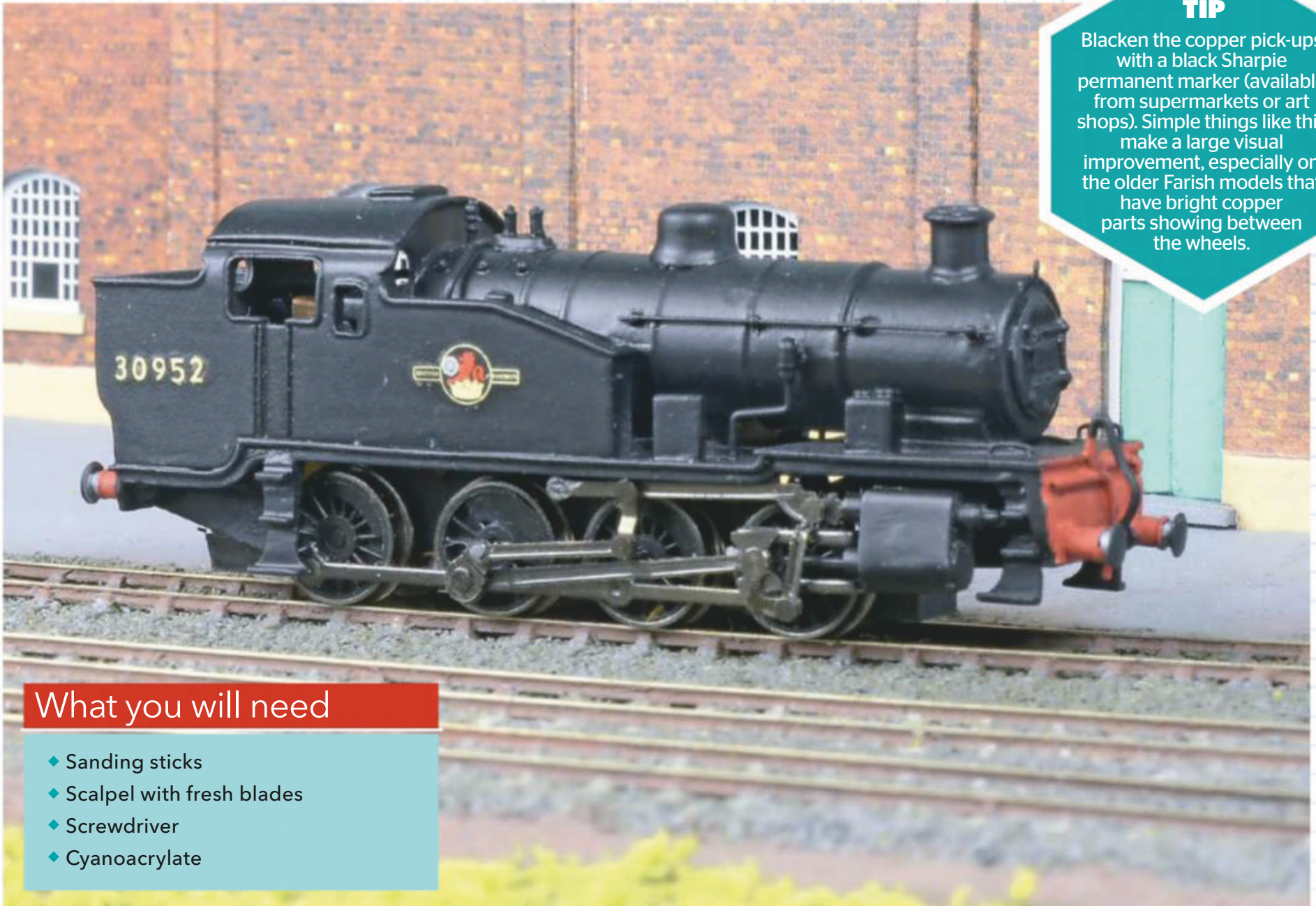
10 I replaced the whitmetal buffers with turned brass ones from N Brass Locos. Form the mounting plates from plastic card. Drill the hole first, cut them to shape and glue on. Use glue to fix the buffers in place, too.



11 The brake pipes were made from thin wire. Bend to shape and glue into place. I replaced the draw hooks with etched ones from Scalelink. I had to enlarge the slot with a sharp, pointed scalpel blade.

TOP TIP

Blacken the copper pick-ups with a black Sharpie permanent marker (available from supermarkets or art shops). Simple things like this make a large visual improvement, especially on the older Farish models that have bright copper parts showing between the wheels.



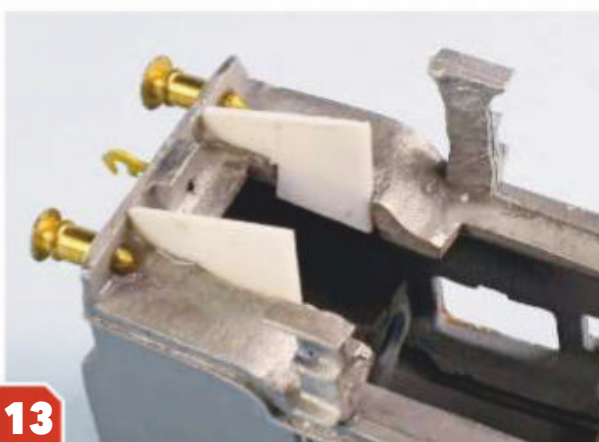
What you will need

- ◆ Sanding sticks
- ◆ Scalpel with fresh blades
- ◆ Screwdriver
- ◆ Cyanoacrylate



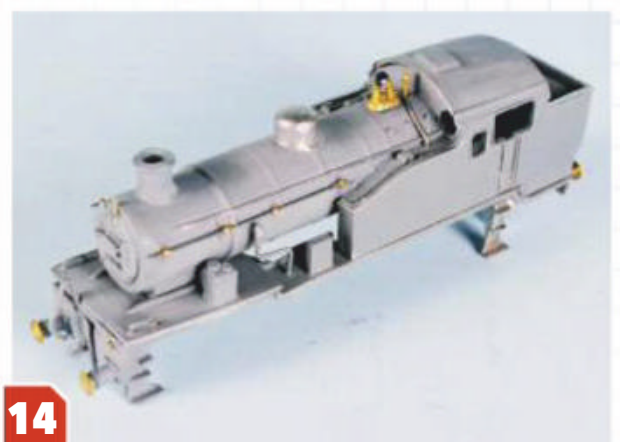
12

I also took the opportunity to replace the boiler fittings with brass items. The safety valves are for an SECR 'L' (from N Brass Locos) so I had to file away the base to make it fit. The pipe, made from thin wire arrangement is vague, due to a lack of suitable reference material.



13

The big drawback with 'N' gauge steam models is the open, exposed nature of the wheels and chassis. I decided to add some profile fillers as view blockers (made from plastic card) underneath to the back end to hopefully improve the look.



14

The lamp irons were simply small strips of styrene glued directly to the bunker for the rear ones. The pipe work on the front bufferbeam made it almost impossible to add ones there, so they were left off and I just glued one to the top of the smokebox.



15

Give the model a good scrub with a glass fibre pen to remove any flaking primer before giving it another fresh coat. When dry, I gave it a coat of Humbrol black aerosol. When that was dry I hand-painted on red bufferbeams and silver buffer shanks.



16

Gloss paint is useful as it helps ensure that the decals sit flush. I used some old decals that I had in stock, but Fox Transfers produces suitable BR post-1956 emblems and Southern Region numbers.



17

A gloss finish in 'N' rarely works. It unrealistically catches the eye and accentuates surface imperfections. Once the decals were dry and sealed, I gave it a coat of aerosol matt varnish. The final job was assembly and testing.

In a transport of delight

Paul Gosden's latest creation combines some showpiece items from a previous layout, and pays homage to Barrow Hill.

Words: **Chris Gadsby** Photography: **Chris Nevard** Artwork: **Andrew Mackintosh**



LAYOUT LEDLEIGH DEPOT

VITAL STATS

Layout:

'Ledleigh Depot'

Size: 10ft by 9ft

Gauge: 'OO'



LAYOUT LEDLEIGH DEPOT

Breaking up, according to Neil Sedaka, is hard to do. But breaking up a model railway is even harder.

Yes, there's the thrill in the anticipation of creating something new, maybe something different. You might soon be able to put that new model through its paces for the first time. Or you might simply want to correct some mistakes, or do something better next time. The downside is that you have to tear down something in which you've invested a lot of time and money.

Paul Gosden faced that dilemma. His 'Chadwick Junction', which featured in the Summer 2015 issue of *Model Rail* (MR212), combined his love of trains and buses. The centrepiece was a superb scratchbuilt bus garage based on Shepherd's Bush. He had to break up and sell 'Chadwick Junction' to fund the creation of a new layout... but he couldn't part with that bus garage. He decided to keep it and reuse it on his new project.

'Ledleigh Depot' features familiar subject matter to 'Chadwick Junction'. There is a depot for Paul's impressive collection of diesel locomotives and the ➤



2 The bus garage is based on Shepherd's Bush Wells Road, where Paul worked. He spent over two hours photographing and measuring it. Resizing the images to 4mm:1ft scale, he counted the bricks to ascertain its size. It's made from foamboard clad in Wills plastic sheet.



3 things we like



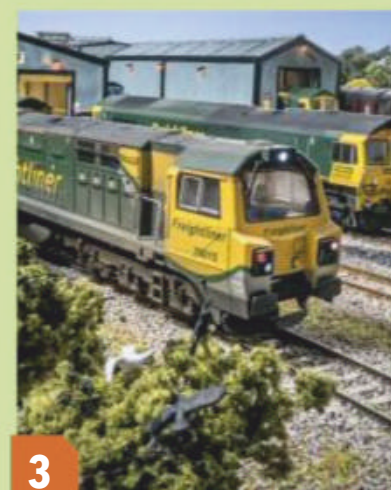
1

The perspective in the sheds, skilfully achieved with angled photographs.



2

The die-cast buses have all received a makeover from their factory-finished liveries.



3

Attention to small detail, such as the birds in the bushes, really brings the layout to life.

What makes this layout great?

Modern-era layouts are full of colour and Paul has done a great job of enlivening what could have easily have been a dreary brown depot scene.



4



5



“The lone house was scratchbuilt and it’s an accurate model of my own home, apart from the car – I’ve significantly upgraded that!”

bus garage for his larger and more impressive collection of miniature buses.

What makes ‘Ledleigh Depot’ stand out is that it lacks the hallmarks of a typical diesel depot layout. It’s big, filling almost three walls of a 10ft by 9ft room. It includes some scenic areas, such as the bus garage and a small housing estate, which enables the depot to be set ‘in the landscape’. It also uses some very clever techniques to make it look bigger than it actually is.

The layout only took a year to build, largely because the dominant features were already completed. The bus garage, for example, took a year to build for the first layout, but incorporating it into ‘Ledleigh Depot’ saved a lot of time.

“Everything on the layout has been scratchbuilt from photographs, so having parts already done was advantageous. Even the lone house is an accurate model of my own home, apart from the car – I’ve significantly upgraded that!”

But why call it ‘Ledleigh Depot’?

“I knew it was going to be a freight depot, so I did an internet search for the main railfreight companies in the UK,” Paul explains. “Freightliner came top of

Above: Paul has carefully weathered and ballasted Peco Code 75 track to create a particularly realistic depot environment. The baseboards are made from 6mm ply on 2in by 1in softwood battens.



Paul's bus collection

"I've been collecting buses since my apprenticeship at Shepherd's Bush garage in 1964 and now have some 500 in various scales. Since 'Chadwick Junction', I've moved forward in time from 2015 to 2017 and have, therefore, had to

update my 1:76 scale buses with fresh headboards and numberplates.

"I looked into buying new buses, but at almost £50 each it just wasn't viable, so I modified my existing fleet."



LAYOUT LEDLEIGH DEPOT

the list. I saw that it had a depot in Leeds, and after getting in contact with the firm, I was invited up to have a look around and take some measurements (for which I'm truly grateful).

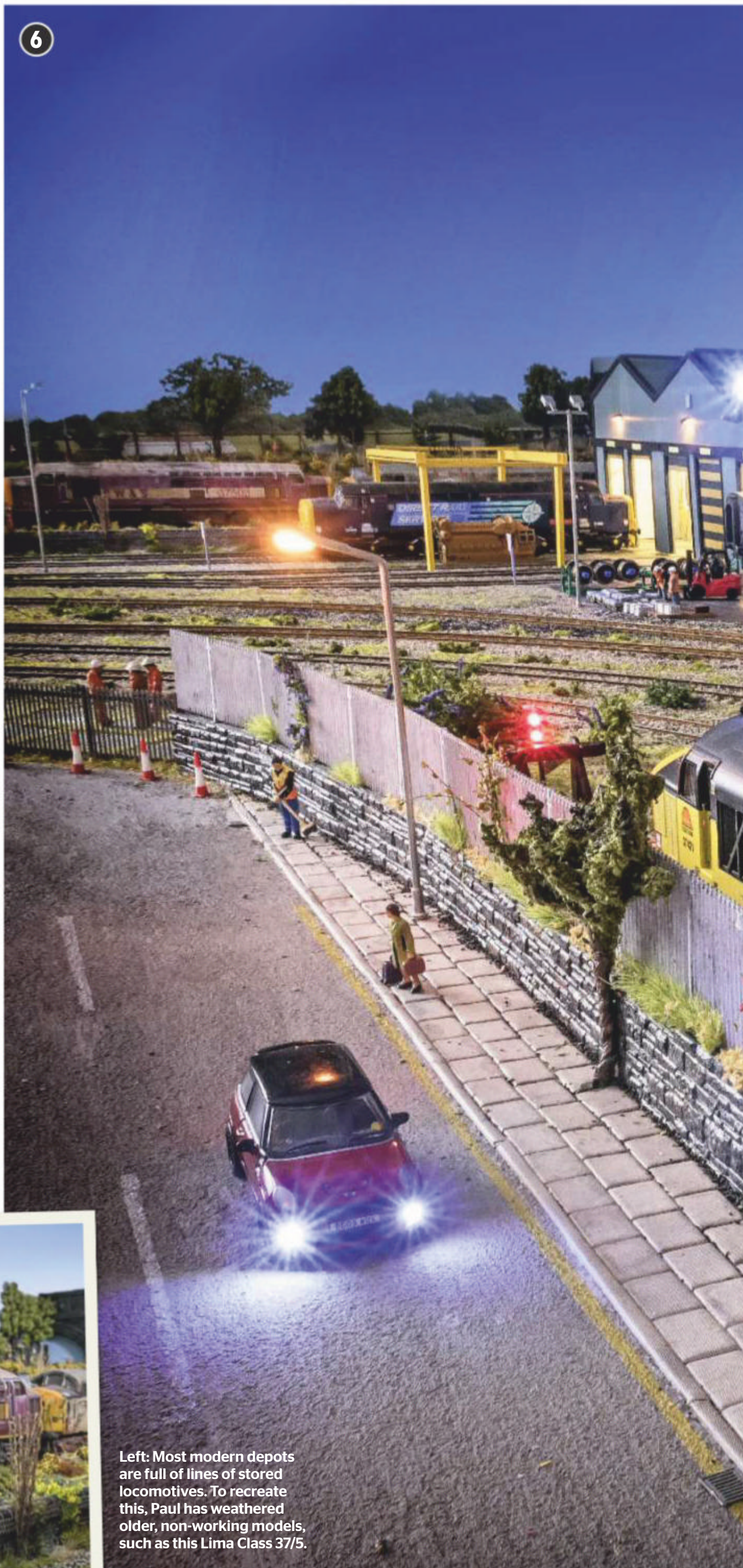
"The whole depot is far too long to fit into the ten-foot space I had available, but I have managed to include the fuel point and turning lathe. The naming duly followed. The 'Led' comes from Leeds and the 'Leigh' is the first part of Leighton Buzzard, where I live."

LIGHT WORK

Some depot layouts assail the senses with lights and sound. Paul's uses these carefully to create a realistic effect. His Gaugemaster Prodigy Advance DCC system takes advantage of modern ready-to-run diesels with light and sound functions and these are complemented with depot lights, street lights and subdued yellow lights in background buildings. He's even fitted passing cars with lights too!

While he was dismantling the cars to fit the lights, Paul took the opportunity to add drivers to each of them as well. Despite the prominence of lights and sound in the vehicles, however, Paul has kept his track wiring simple.

"Layout electrics really aren't my strong point," Paul admits, "so I decided that all of the points should be operated by hand. I use a simple system of plastic ➤



Left: Most modern depots are full of lines of stored locomotives. To recreate this, Paul has weathered older, non-working models, such as this Lima Class 37/5.

“Even the cars have working headlights, with LEDs fed through the models and into position at the front”



“Incorporating Barrow Hill allows me to put splashes of other liveries on the scene”

10



tubing with 1mm steel wires running through it under the baseboard, eliminating the need for complicated point motors and a mass of wires.”

CONSCIOUS OF COLOUR

The low-relief depot building towards the rear of the layout is loosely based on the modern workshops that have sprung up at Barrow Hill.

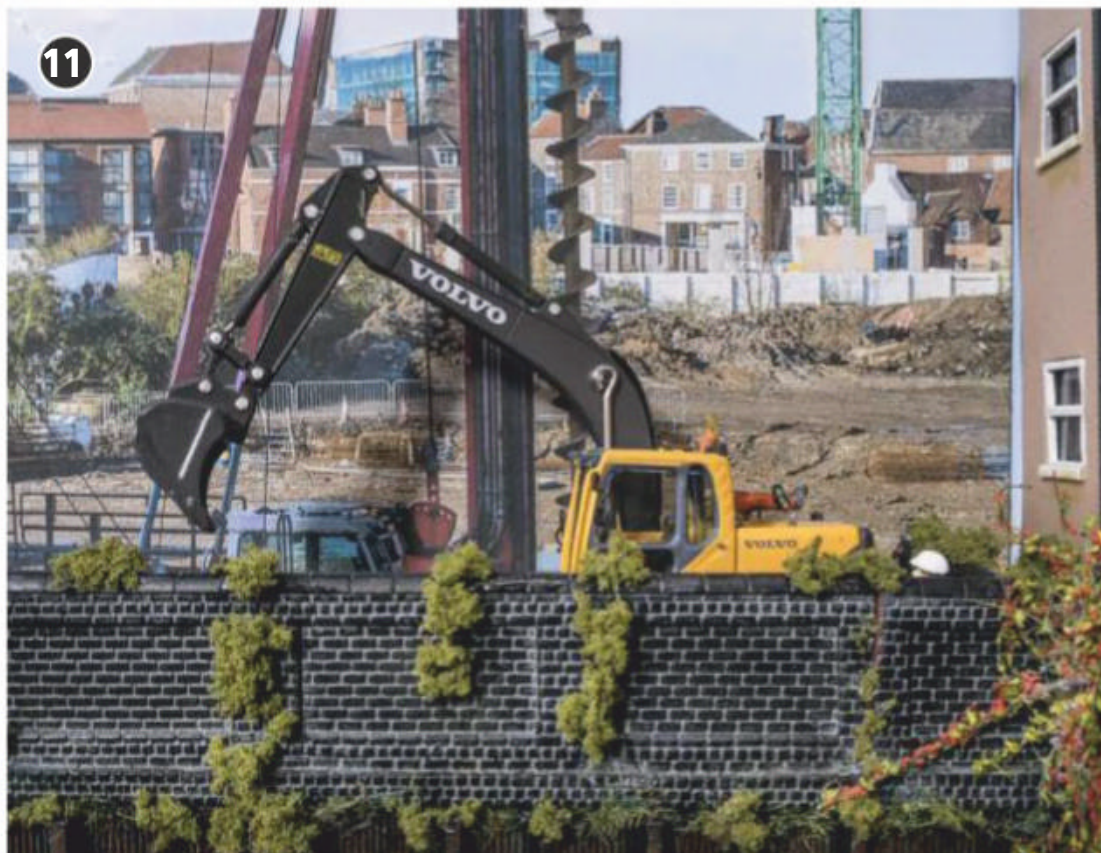
“As I have a lot of Freightliner and Colas Rail locomotives, I was a bit concerned about ‘Ledleigh Depot’ being dominated by two main colour schemes. Incorporating Barrow Hill building allows me to put splashes of other liveries on to the scene.

As well as the Direct Rail Services model, I’ve added a couple of lines at the back of the layout that house grimy Lima models, representing locomotives undergoing major overhauls.”

Diesel depot layouts can become a little ‘samey’ after a while. By giving ‘Ledleigh Depot’ a little extra space to incorporate a little extra scenery – aided, of course, by his bus collection – and by thinking about view blocking and perspective, Paul has created a thoroughly believable and realistic depiction of a modern, urban diesel depot.

The question is: will that bus garage one day make it on to another layout? **MR**

Above, top right, middle right: What makes ‘Ledleigh Depot’ particularly impressive is how Paul has used photographs to suggest depth, such as inside the depot building. Paul has also cleverly used isolated sidings as view blockers and to suggest greater depth in the scene.

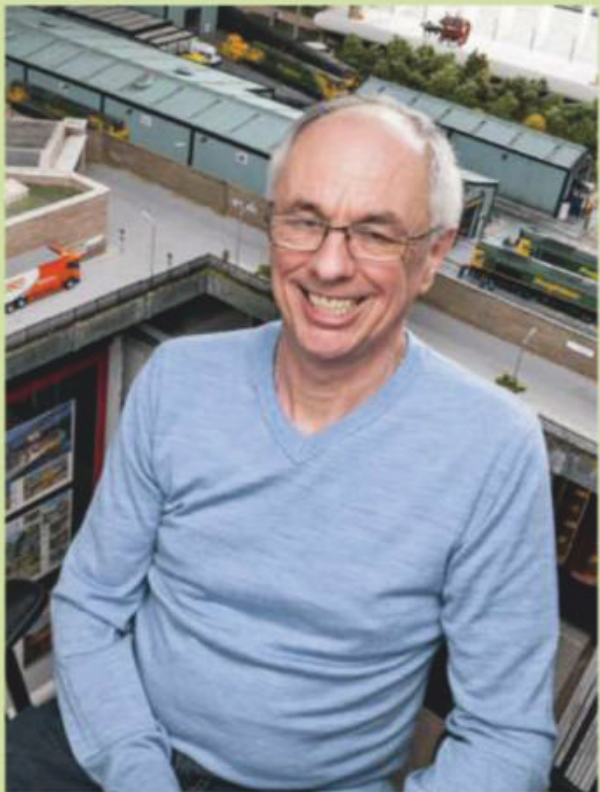


Battery power

During a visit to Leeds Midland Road depot, Paul spotted this battery shunting locomotive. He decided that 'Ledleigh Depot' needed one.

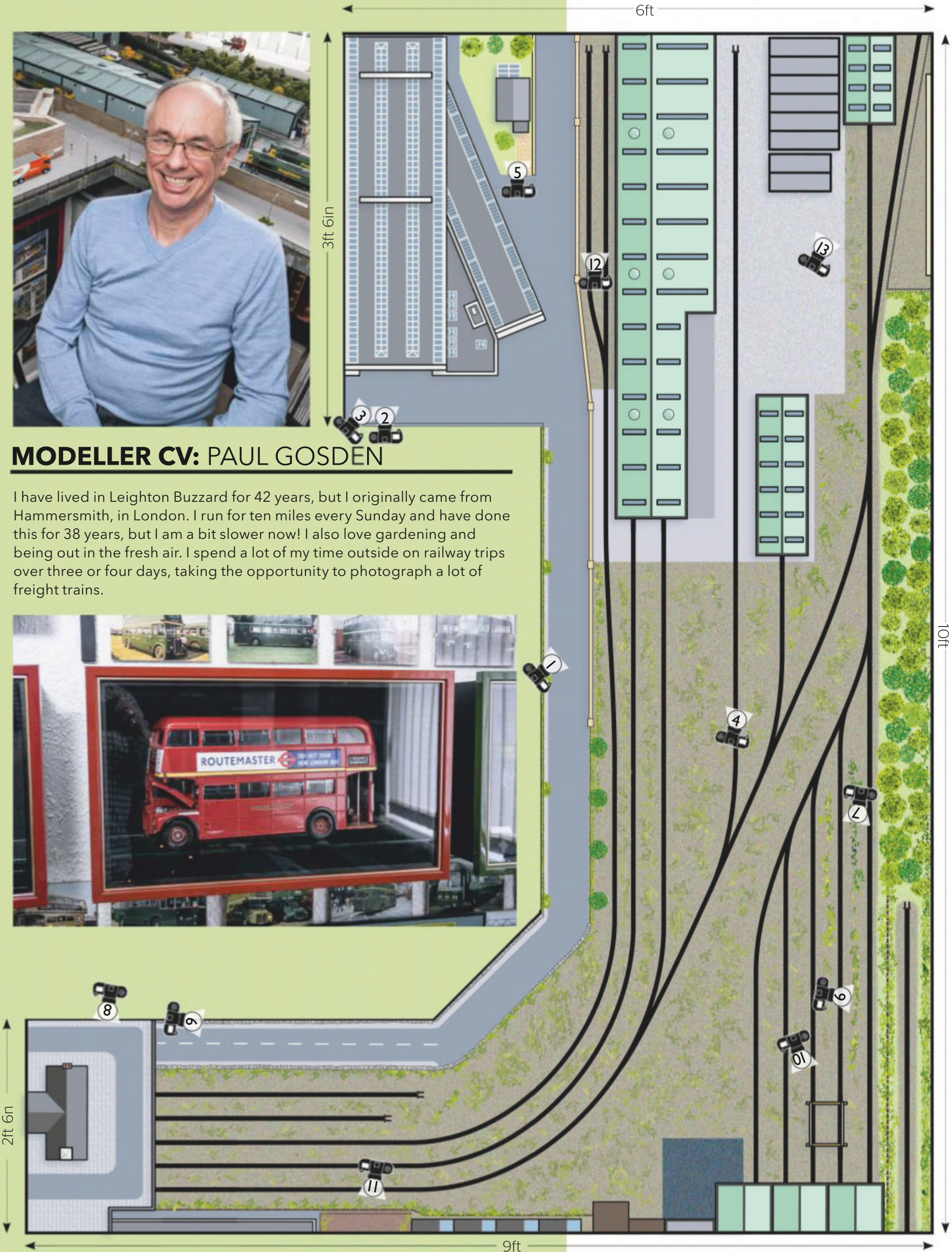
"I particularly like this one. It's quite cute in a way. It doesn't move as I've made it entirely from mountboard. However, the figure in front makes it look as though it is about to couple up to something. The real thing moves locomotives, and anything else, into the depot's wheel lathe."

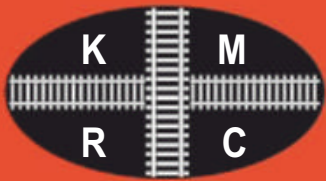
LAYOUT **LEDLEIGH DEPOT**



MODELLER CV: PAUL GOSDEN

I have lived in Leighton Buzzard for 42 years, but I originally came from Hammersmith, in London. I run for ten miles every Sunday and have done this for 38 years, but I am a bit slower now! I also love gardening and being out in the fresh air. I spend a lot of my time outside on railway trips over three or four days, taking the opportunity to photograph a lot of freight trains.

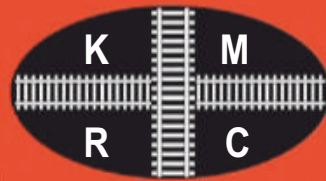




Kernow Model Rail Centre

Visit www.kernowmodelrailcentre.com or call our team on 01209 714099

UK POSTAGE & PACKING = £4 PER ORDER. ORDERS OVER £200 = POST FREE



NEW RELEASES - OO GAUGE

BACHMANN OO



32-002A Hall Class Steam Locomotive 4971 "Stanway Hall" BR Black, weathered.....	£140.95
32-007 Hall Class Steam Locomotive 4920 "Dumbleton Hall" GWR Green.....	£135.95
33-435C 51 Tonne POA Scrap Wagon No. RLS5059 'SR' Blue, weathered.....	£21.95
37-990 Conflat No. B737725 BR Bauxite BA Standard Container "Speedfreight".....	£19.00
37-991 Conflat No. B503040 BR Bauxite BA Vented Container "Speedfreight".....	£19.00
38-054 31 Tonne OCA Dropside Open Wagon No. 112232 Railfreight Distribution.....	£22.95
38-056B 31 Tonne OCA Dropside Open Wagon 112170 Railfreight Red, weathered.....	£24.95
38-061A 45 Tonne glw MEA Open Box Wagon M391112 Mainline Blue, weathered.....	£23.95
38-063B 45 Tonne glw MEA Open Box Wagon 391032 Railfreight Coal, weathered.....	£23.95
38-111B 100 Ton TEA Bogie Tank Wagon BPO 87566 'BP' Green.....	£42.95
38-220B 100 Ton TEA Bogie Tank Wagon BPO 63067 BP Black Crude Oil.....	£46.95

DAPOL OO

4F-043-001 Turbot Bogie Ballast Wagon No. 978363 EWS Maroon.....	£22.95
4F-043-002 Turbot Bogie Ballast Wagon No. 978396 EWS Maroon.....	£22.95
4F-043-003 Turbot Bogie Ballast Wagon No. 978309 EWS Maroon.....	£22.95

EXCLUSIVE FIRST EDITIONS OO

E341151 AEC RT Bus London Transport Catford Garage 75.....	£31.99
--	--------

HELJAN OO

35261 Class 35 Hymek Diesel Locomotive No. D7015 BR Green.....	£109.99
35271 Class 35 Hymek Diesel Locomotive No. D7088 BR Green.....	£109.99
35281 Class 35 Hymek Diesel Locomotive No. D7004 BR Blue.....	£109.99
35291 Class 35 Hymek Diesel Locomotive No. 7001 BR Blue, weathered.....	£118.95
35301 Class 35 Hymek Diesel Locomotive No. 35 017 Dutch Civil Engineers.....	£109.99

HORNBY OO

R3622 J36 Class Steam Locomotive No. 65311 "Haig" BR Black E/E.....	£125.99
R3642 Princess Coronation Class Steam 46232 "Duchess of Montrose" BR Green.....	£170.99
R3657 Class 60 Diesel Locomotive No. 60 070 "John Loundon McAdam" Triple Grey.....	£161.99
R3662 Class 153 Sprinter DMU Set No. 153 368 GWR Green.....	£98.99
R3668 Railroad J83 Class 0-6-0PT Steam Locomotive No. 8482 LNER.....	£40.99
R3669 Railroad GWR Diesel Railcar No. 24 GWR Chocolate & Cream.....	£44.99
R4816A Maunsell Kitchen Dining First Coach No. 7865 SR Olive Green.....	£43.49
R4817A Maunsell Kitchen Dining First Coach No. S7858A BR Green.....	£43.49

R4833 Maunsell Open Third Coach SR Olive Green.....	£43.49
R4834 Maunsell Corridor Second Coach No. S1113S BR SR Green.....	£43.49
R4835 Maunsell Open Second Coach No. S1346S BR Crimson & Cream.....	£43.49
R4836 Maunsell Corridor 6 Compartment Brake 2nd Coach S2763S BR SR Green.....	£43.49
R4837 Maunsell Passenger Brake Van B Coach S261S BR SR Green.....	£43.49
R4838 Maunsell Corridor 6 Compartment Brake 2nd Coach S2764S BR SR Green.....	£43.49
R4839 Maunsell Corridor Composite Coach S5673S BR SR Green.....	£43.49
R4840 Maunsell Corridor 4 Compartment Brake 2nd Coach S332S BR SR Green.....	£43.49
R4841 Maunsell Corridor 4 Compartment Brake 2nd Coach S323S BR SR Green.....	£43.49
R4842 Maunsell Corridor Composite Coach S5145S BR SR Green.....	£43.49
R6836 Railroad Triple Box Van Pack A LMS.....	£20.99
R8157 65th Edition 2019 Range.....	£8.99

OXFORD RAIL OO

763CO001 Mk3a Open Composite Coach No. 11907 ScotRail.....	£31.95
763FO005 Mk3a Open First Composite Coach No. 11005 ScotRail.....	£31.95
76N7001 GER K85 Steam Locomotive No. 1002 GER.....	£93.95
GV2014XS Golden Valley Hobbies Janus 0-6-0 Industrial Diesel BP. DCC Sound.....	£199.99

HELJAN OO-9 LYNTON & BARNSTABLE LOCOMOTIVES

99531 No. E760 "Exe" Southern.....	£179.95	99541 No. E759 "Yeo" Southern.....	£179.95
99551 No. 1362 "Exe" L&B.....	£179.95	99561 No. 1363 "Taw" L&B.....	£179.95

BARGAINS - OO GAUGE

BARGAIN BUNDLES OO

39-001T + 39-380Z PACK Bachmann Network SouthEast Mk2 Coach Pack.....	£69.99
K2104PACK O2 and Water Column Pack.....	£129.99
K9600 Hornby BR Crimson 58ft Maunsell Rebuilt Coach Pack.....	£119.95
K9603 Warship WR Coach Pack.....	£174.99
K9981 Railroad 0-4-0 Pack.....	£39.99
K9982 Electrification Wagon Pack.....	£49.99
K9984 Bulwark Tanker Pack.....	£12.99
K9986 Bachmann Class 47 Midland Counties with HST Barrier Coach.....	£154.99
K9987 Bachmann Class 37 Dapol IDA Wagon Bargain Pack.....	£179.99
K9988 Bachmann Premier Charter 4-TC & Dapol Class 73 Pack.....	£299.99
K9996 Kernow Class 37 Pack with weathered SPAs.....	£299.99
K9998A Bachmann Scenecraft China Clay Dries Pack with FREE Land Rover.....	£99.99
K9999A Kernow PBA Tiger & Class 37 Pack with FREE Land Rover.....	£249.99

BACHMANN OO

31-426B Class 411 4-CEP EMU Set 7122 BR (SR) Green.....	£189.99
31-427B Class 411 4-CEP EMU Set 7106 BR Blue & Grey.....	£219.99
31-660A Class 47/4 Diesel Locomotive No. 47 444 "University of Nottingham".....	£119.95
31-980 BR Standard Class 3MT Steam Loco 82020 BR Green L/C, weathered.....	£88.99
34-633 BR Mk1 Suburban Second Brake Coach No. E43190 BR Blue, weathered.....	£21.99

37-089 7 Plank End Door Wagon No. 127916 NE Grey.....	£12.00
37-090 7 Plank Fixed End Wagon No. 127916 NE Grey.....	£12.00
37-356 13 Ton Steel Sand Tippler Wagon ZCO No. DB746085 BR.....	£11.00
37-452 16 Ton Slope Side Mineral Wagon 'Boston Deep Sea Fishing'.....	£10.50
37-533 20 Ton ZTO Brake Van BR Grey & Yellow (Dutch).....	£19.99
37-952 Conflat A Wagon BR Bauxite with BD Container.....	£11.99
38-551 Midlad 20 Ton Brake Van No. M281670 BR Grey without Duckets.....	£15.99
39-226C Mk1 BCK Brake Composite Corridor Coach No. M21026.....	£26.95
39-276 Mk1 GUV No. 96169 InterCity Motorail.....	£28.99
39-501 BR Mk1 SLF 1st Class Sleeper Car E2054.....	£34.99
39-576 BR Auto Trailer No. W228W BR Maroon.....	£47.99

PLEASE VISIT OUR WEBSITE FOR CURRENT SCENECRAFT BARGAINS

HORNBY OO

R1173PACK Western Master Train Pack.....	£99.99
R3341A 2-HAL 2 Car EMU Train Pack Set No. 2623 BR Blue.....	£89.99
R3359 Railroad Ex-GWR 0-4-0 Steam Locomotive 391 Rothery Industrial 101 Class.....	£22.99
R3360 Railroad Ex-Industrial 0-4-0 Steam Locomotive No. 087 Mosley Tarmacadam.....	£14.99
R3361 Railroad Ex-SR 0-4-0 Steam Locomotive No. 6 Hogarth Stone.....	£14.99
R3405 52xx Class Steam Locomotive No. 5231 BR Black E/E.....	£64.99
R3422 Adams Radial 415 Class Steam Locomotive No. 3125.....	£83.99

NEW RELEASES - N GAUGE

DAPOL N

ND116B Class 142 2 Car Pacer DMU No. 142 081 Regional Railways.....	£115.95
ND116C Class 142 2 Car Pacer DMU No. 142 025 Northern Spirit.....	£115.95

ND116E Class 142 2 Car Pacer DMU No. 142 021 Tyne & Wear PTE.....	£115.95
---	---------

GRAHAM FARISH N

372-211A Class 3F Jinty No. 47314 BR Black E/E.....	£89.95
---	--------

374-950A BR Mk2A FK First Corridor Coach No. W1344S BR Blue & Grey.....	£33.99
374-951 BR Mk2A FK First Corridor Coach No. S13389 BR (SR) Green.....	£33.99
374-952 BR Mk2A FK First Corridor Coach No. E13373 BR Maroon.....	£33.99

BARGAINS - N GAUGE

DAPOL N

2F-034-008 21 Ton Hopper Wagon No. 10 Sykes, weathered.....	£9.00
2F-038-012 20 Ton Steel Wagon No. 12 Cilley, weathered.....	£10.00
2F-038-013 20 Ton Steel Mineral Wagon No. 6390 Bolsover.....	£9.00
2F038004 20 Ton Steel Wagon No. 33223 GWR Grey, weathered.....	£9.00
2F071004 7 Plank Open Wagon No. 302078 LMS Grey, weathered.....	£7.50
2F071006 7 Plank Open Wagon No. 37423 SR Brown, weathered.....	£7.50
2P-012-301 Maunsell Corridor 1st Class Coach No. S7665 BR SR Green.....	£17.99
2P-012-302 Maunsell Corridor 1st Class Coach No. S7367 BR SR Green.....	£17.99

GRAHAM FARISH N

372-312 Merchant Navy Steam Loco No. 35028 "Clan Line" BR Green L/C.....	£118.95
374-192 BR Mk1 BSK Brake Second Corridor Coach No. M35451 Intercity.....	£20.99
374-441 Bulleid 63ft Second Corridor Coach No. S37 BR Crimson & Cream.....	£22.95
377-065 Coal Trader Triple Pack 5 Plank Wagons, weathered.....	£31.95
377-088 7 Plank Wagon End Door No. 06515 GWR Grey.....	£9.95
377-089 7 Plank Wagon Fixed End No. 18166 SR Brown.....	£9.95
377-090 7 Plank Wagon Fixed End No. 127916 NE Grey.....	£9.95
377-091 7 Plank Wagon End Door No. 110 North End.....	£9.95
377-097 Coal Trader Triple Pack 7 Plank Private Owner Wagons, weathered.....	£31.95

377-206 8 Plank Wagon with Coke Rails No. 5061 "Suncole".....	£9.99
42-0001 Two Road Brick Engine Shed.....	£21.95
42-0005 Portable Office.....	£10.50
42-0012 Platform Book Stand.....	£6.00
42-003 Cattle Dock.....	£10.49
42-0064 Parachute Water Tower.....	£14.95
42-035 Bicycle Rack.....	£3.00
42-037 Riveted Water Tank.....	£5.50
42-059 Oak Hill Brewery Boiler House.....	£4.75
42-060 Oak Hill Brewery Boiler House Chimney.....	£4.00
42-133 BR Type 15 Signal Box.....	£17.95
42-150 Road Side Farm Shop.....	£12.00
42-164 Shillingstone Station Building.....	£21.49
42-165 Shillingstone Signal Box.....	£17.99
42-166 Shillingstone Parcel Office.....	£6.99
42-169 Shillingstone Platelayers Hut.....	£5.50
42-170 Shillingstone Goods Shed.....	£13.95
42-177 Line Side Control Cabin.....	£8.25
42-181 Depot Hoist.....	£22.95
42-182 Ground Frame Hut.....	£10.49

42-190 Crossing Keepers Cottage.....	£12.50
42-191 Red Star Parcels Office.....	£13.50
42-192 Platform Buffet.....	£22.95
42-194 Taxi Office.....	£9.50
42-197 Coal Distribution Building.....	£15.00
42-198 Power Station Chimney.....	£22.95
42-209 Low Relief Butchers.....	£8.00
42-219 Low Relief Stone Factory.....	£21.95
42-227 Low Relief Rear Victorian Tenements.....	£25.95
42-228 Low Relief Double Track Tunnel.....	£9.00
42-232 Low Relief Pub.....	£10.95
42-233 Low Relief Rear of Terraces.....	£11.50
42-234 Low Relief Public Convenience.....	£7.95
42-236 Low Relief Railway Hotel.....	£12.95
42-245 Low Relief Corner Chemists.....	£12.00
42-253 Low Relief Greengrocers.....	£12.00
42-254 Low Relief Power Signal Box.....	£13.50
42-298 Low Relief Boiler House.....	£19.95
42-299 Low Relief Turbine Hall.....	£37.95
42-547 Cycle Cabinets.....	£3.50

FOR OUR FULL RANGE PLEASE VISIT WWW.KERNOWMODELRAILCENTRE.COM // PRICES CORRECT AT TIME OF PRINT & ARE SUBJECT TO CHANGE

A SELECTION OF KERNOW MODEL RAIL CENTRE EXCLUSIVE MODELS

BACHMANN OO

31-650L Class 47 Diesel No. D1670 "Mammoth" BR Two Tone Green.....	£149.99
31-650LDC DCC Fitted.....	£169.99
31-650Q Class 47 Diesel No. 47 829 Police.....	£149.99
31-650QDC DCC Fitted.....	£169.99
31-651Z Class 47 Diesel No. 47 973 "Midland Counties Railway 150 1839-1989".....	£149.99
31-651ZDC DCC Fitted.....	£169.99
31-653Z Class 47 Diesel No. 47 706 ScotRail NSE branding, weathered.....	£159.99
31-653ZDC DCC Fitted.....	£179.99
31-657Z Class 47 Diesel Locomotive No. 47 701 "Old Oak Common".....	£159.99
32-066Z Class 43 Warship Diesel No. D845 "Sprightly" BR Green.....	£164.95
32-066ZDC Class 43 Warship Diesel No. D845 "Sprightly" BR Green. DCC Fitted.....	£184.95
32-135X Class 4575 Prairie Tank Stream Loco 5541 BR Green L/C, weathered.....	£119.95
32-384Z Class 37 Diesel No. 37 672 "Freight Transport Association".....	£139.99
32-384ZDC DCC Fitted.....	£164.99
4-TC Units - 32-640Z / 1Z / 2Z / 3Z / 4Z / 6Z.....	£269.95 each
32-727W Class 66 Diesel No. 66 709 "Sorrento" GBR.....	£169.95
32-727WDC DCC Fitted.....	£189.95
32-762Z Class 57 Diesel No. 57 305 Network Rail known as "Sand Castle".....	£169.95
32-762ZDC DCC Fitted.....	£189.95
32-777W Class 37 Diesel No. 47 304 "John Tiley" Network Rail, weathered.....	£259.99
32-777WDC DCC Fitted.....	£179.99
32-780U Class 37 Diesel No. 37 261 DRS.....	£149.99
32-780UDC DCC Fitted.....	£169.99
32-816Z Class 47 Diesel No. 47 306 "The Sapper" Railfreight Distribution, withrd.....	£159.99
32-816ZDC DCC Fitted.....	£179.99
32-935X Class 150/2.2 Car DMU No. 150 216 First Great Western Purple.....	£189.95
32-976Z Class 66 Diesel No. 66 418 Debranded DRS Freightliner, weathered.....	£174.95
32-976ZDC DCC Fitted.....	£194.95
33-300W 20 Ton Toad Brake Van ZTO No. DW35377 BR Departmental Green.....	£16.99

33-300X 20 Ton Toad Brake Van No. 68642 GW Grey "Penzance".....	£15.99
33-300Y 20 Ton Toad Brake Van No. W68366 BR Grey "Gwinear Road".....	£15.99
33-825X 25 Ton Queen Mary Brake Van No. ADS56289 BR Engineers Grey.....	£24.95
33-825Y 25 Ton Queen Mary Brake Van No. LDS56293 BR Bauxite "Electrification".....	£24.95
37-238Z 16 Ton Steel Mineral Wagon Triple Pack, weathered.....	£59.99
37-537Y 20 Ton Brake Van B954687 BR "TO WORK WITH AIR BRAKED TRAINS ONLY".....	£24.95
38-131Z 40 Ton Seacow YGB Bogie Hopper Wagon No. DB982608, weathered.....	£54.95
38-132Z 40 Ton Seacow YGB Bogie Hopper Wagon No. DB982790, weathered.....	£54.95
38-140W 29 Ton ZXA (ex VDA) Sliding Door Box Van No. ADC201055 Serco.....	£27.95
38-140X 29 Ton (ex VDA) Sliding Door Box Van No. ADC200666 BR, weathered.....	£32.95
38-260Y Delabole Slate Presflo Wagon Triple Pack BR Bauxite.....	£49.99
38-326Z High Sided Steel Wagon No. DB479526 "S&T Cable Wagon Guildford", withrd.....	£24.95
38-328Z High Sided Steel Wagon No. ADE282721 "AME St Blazey Stores", withrd.....	£24.95
39-001T Network SouthEast Mk2 BR Blue & Grey Coach Pack.....	£59.99
39-273Z BR Mk1 GUV Coach S86804 BR (SR) Green.....	£44.95
39-380Z BR Mk2a BSO Brake 2nd Coach W9426 BR Blue & Grey Network SouthEast.....	£29.99
39-411Y BR Mk2a BFK Brake 1st Corridor Coach ADB975654 HST BARRIER VEHICLE.....	£29.99

PLEASE VISIT OUR WEBSITE FOR CURRENT SCENECRAFT MODELS

DJ MODELS OO LOCOMOTIVES + GATE STOCK + WAGONS

K1003 1914 LSWR Push-Pull Gate Set No. 363 BR Crimson.....	£129.99
K1004 1914 LSWR Push-Pull Gate Set No. 373 BR (SR) Green.....	£129.99
K2056 2-4-0WT Beattie Well Tank 30587 BR.....	£109.99
Class O2s - K2102 / 3 / 4 / 5.....	£124.99 each
K2106 0-4-4T Class O2 No. 30193 BR Black E/E.....	£99.99
1361s - K2201 / 1A / 2 / 3 / 4 / 5.....	£124.99 each
SB002E/F/G/H PBA TIGER China Clay Wagons ECC International white, withrd.....	£49.99 EACH
SB002I/J/K/L PBA TIGER China Clay Wagons ECC International blue.....	£44.99 EACH
SB002M/N/O/P JJA TIGER China Clay Wagons ECC International blue, withrd.....	£49.99 EACH
SB004A/B/C/D ZAA PIKE Open Wagons Dutch Civil Engineers.....	£29.99 EACH
SB005A/B/C/D SPA Open Wagons BR Railfreight, weathered.....	£32.99 EACH

SB005E/F/G/H SPA Open Wagons EWS.....	£29.99 EACH
---------------------------------------	-------------

HORNBY OO LOCOMOTIVES

R3672 Class 50 Diesel No. 50 010 "Monarch" BR Large Logo w/Blue Roof.....	£169.99
R3672DS Class 50 Diesel No. 50 010 "Monarch" BR Large Logo. DCC Sound Fitted.....	£289.99
R3673 Class 50 Diesel No. 50 007 "Sir Edward Elgar" GW150 Green.....	£169.99
R3673DS Class 50 Diesel 50 007 "Sir Edward Elgar" GW150. DCC Sound Fitted.....	£289.99
R3674 Class 31 Diesel Locomotive No. D5579 Golden Ochre.....	£169.99
R3674DS Class 31 Diesel Locomotive No. D5579 Golden Ochre. DCC Sound.....	£289.99
R3675 Class 31 Diesel Locomotive No. 97 204 BR Research.....	£169.99
R3675DS Class 31 Diesel Locomotive No. 97 204 BR Research. DCC Sound.....	£289.99
R4869 Mk3 Driving Van Trailer No. 82124 Network Rail livery.....	£69.99

KERNOW MODELS OO LOCOMOTIVES + WAGONS

BULLEID 1-Co-Co-1 DIESEL - EXPECTED 1ST QUARTER 2019 - PAY NOW PRICES			
K2701A Bulleid No. 10201 BR Black E/E.....	£169.99	K2701ADS DCC Sound.....	£294.99
K2702A Bulleid No. 10202 BR Black E/E.....	£169.99	K2702ADS DCC Sound.....	£294.99
K2703A Bulleid No. 10203 BR Black E/E.....	£169.99	K2703ADS DCC Sound.....	£294.99
K2704A Bulleid No. 10203 BR Green L/C.....	£169.99	K2704ADS DCC Sound.....	£294.99
K2705 Bulleid No. 10201 BR Green L/C.....	£169.99	K2705DS DCC Sound.....	£294.99
K2706 Bulleid No. 10202 BR Green L/C.....	£169.99	K2706DS DCC Sound.....	£294.99
SB006 EWS YCV Turbot Bogie Ballast Wagon Bulk Pack.....			£109.99
SB006E/F/G/H YCV Turbot Bogie Ballast Wagons EWS.....			£29.99 EACH
SB006I/J/K/L YCV Turbot Bogie Ballast Wagon Civil Engineers Dutch, weathered.....			£29.99 EACH
SB006M/N YCV Turbot Bogie Ballast Wagon Civil Engineers Dutch.....			£29.99 EACH
SB006Y YCV Turbot Bogie Ballast Wagon Civil Engineers Dutch Bulk Pack (x 2).....			£54.99
SB006Z YCV Turbot Bogie Ballast Wagon Civil Engineers Dutch Bulk Pack (x 4).....			£109.99

Know your stuff

All your technique and modelling questions answered by our team of know-it-alls. E-mail your queries about railways – real or model – to modelrailkys@bauermedia.co.uk



George Dent
MR's Deputy Editor has been an active modeller for over 30 years.



Chris Leigh
MR's Consultant Editor is referred to by his grandchildren as 'Granddad Trains' – need we say more?



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 always busy with commissions from train operating companies.



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

FINDING THE MR RIGHT



I want to add a shunter figure to the footsteps of one of my locomotives, but can't find one with a suitable pose. Help!
Robert Stone, by e-mail

Chris says: I've recently been refurbishing a number of 'OO' gauge 'Toad' brake vans, tweaking certain details and changing the place names on Oxford Rail, Bachmann and Hornby models. During this work, I decided to look for a suitable shunter to ride on the running plate of one of my models. I didn't want a guard with a green flag, as that would be more suited to a station platform and a passenger train – and it's a bit of a cliché.

Instead, I settled upon the idea of a shunter with a shunting pole. I found one in the Modelu range, but the 3D-printed figure appears rather sentry-like and is intended for the lineside. I wanted a shunter who was obviously riding.

I decided to approach Modelu to ask if a bespoke figure could be produced. First, I needed to explain or draw the pose I was seeking. Then I had a better idea: I would strike the pose myself, and take a 'selfie'.

I wanted my shunter to be holding a handrail with one hand and the other would be holding a shunting pole. He would be riding with just one foot on the step, as if about to alight.

As I live in a former railway station, I have inherited one or two tools that were left lying about the place, including a shunter's pole. There's a well in the yard and in order to dip a bucket in the well, the stationmaster

used said pole. So I assumed the required position with the pole and set the camera on its time delay.

Modelu has produced two slightly different shunters, one with his arm outstretched, almost horizontal, riding the step and holding a handrail, and the other with his arm somewhat lower, riding a shunter's runner.

I had not worked with this type of 3D-printed model before and was impressed by the crisp detail, even down to the 'pig's tail' on the shunter's pole. However, the greatest advantage of 3D-printing is the complete lack of flash or parting lines as, of course, there are no moulds involved. This eliminates the tricky task of removing remnants of parting lines or flash.

Right: To illustrate the type of shunter figure he desired, Chris struck this convincing pose!



The shunter, with pole at the ready, adds the finishing touch to Chris' weathered 'Toad' brake van.
ALL: CHRIS LEIGH



STEP BY STEP

OO GAUGE

PRODUCT Modelu 3D-printed shunter figure **PRICE** From £3.00 each

AVAILABILITY Tel: 07887 803 737
Web: www.modelu3d.co.uk

60 mins



1

The 3D-printing process requires feeds to areas such as outstretched arms which would otherwise be unsupported. The supports are left in place to reduce the risk of damage in the packet.



2

Another Modelu figure option has his arm raised a little higher to suit, perhaps, a vertical handrail. With a little careful 'surgery' the arm can be cut and re-fixed to suit almost any appropriate vehicle.



3

As I had no previous experience of working with 3D-printed figures, I was careful to support the figure while cutting away the 'feeds', one at a time. A fresh, sharp blade was fitted to my craft knife for this job.



I glued the plastic bases to a piece of card while I painted the figures. First I sprayed on white primer, then picked out shadow areas - under arms and clothing creases - with Revell acrylic matt black.



I opted for a matt mid-blue shade for the shunter's overalls, but they may have been greyish in reality. The 'pig's tail' of the pole is delicate and easily broken, so care in handling is needed at all times.



Above: The shunter in this pose should be suitable for attachment to brake vans or to the steps of shunting locomotives.

TOP TIP

Remove residues from 3D-printed figures before priming and painting by gently washing in warm soapy water, rinsing and drying thoroughly.

Technique of the month

Create realistic clutter

Scattering various items of junk and defunct machinery around railway yards, depots, factories and other industrial sites is a quick and simple way of adding extra realism. Items left over from kits or scrapped models are an ideal source of material, while I always enjoy rooting through the odds-and-ends bins at exhibitions, especially on the Langley Models stall. Here, you can pick up all manner of cast metal engines, wheels, tyres and countless bits of machinery. Once primed, painted and weathered, the 'junk' can be placed artfully onto the layout. (GD)



Clean the parts of excess material with needle files and brush away any debris. Each item can be tacked to a scrap of wood with a drop of cyano glue prior to a coat of aerosol primer.



The parts can then be painted in an overall coating of rust tones. Dry pigments will add a suitable texture and dry-brushing the edges with metallic paints adds the final touch.



The finished items can then be snapped away from the wood base and any missing paint touched in, if desired, before fixing into a miniature scene.



Etching primers have their uses, but they must be used with extreme caution. GEORGE DENT

DO I NEED ETCHING PRIMER?

Q I'm building a number of 'OO' etched brass carriage kits and have been told that etching primer is an essential step in the finishing process. Is it really that important?
Jerry Kay, Bolton

George says: I've only used etching primers on a handful of occasions, mostly as a means of testing their efficacy. Although I know a number of professional modellers who highly recommend their use, I personally wasn't convinced - especially when considering how toxic they can be if they come into contact with skin, or you breathe in the fumes. Indeed, when a product's label states that it may cause cancer, it really doesn't make me want to expose myself to it!

If you do opt to use etching primers, exercise extreme care to help safeguard yourself. Avoid inhaling the fumes and avoid contact with your skin - protective clothing, a face mask with the correct grade of filters and a professional-grade extractor booth are essential.

Etching primers are perhaps best suited for use on larger scale models, particularly those intended for outdoor use, in a live steam environment or where lots of handling is envisaged. The primer's greater

level of adhesion gives the subsequent topcoats more chance of resisting scuffs and bumps without chipping.

For small-scale indoor use, where models are gently handled and carefully stored, I'm yet to be convinced that etching primers offer enough genuine benefits over a high-quality, general purpose automotive primer.

Provided that the model has been scrupulously cleaned and degreased before priming (especially where soldered joints have been made), I've never had any issues with poor adhesion.

If you do decide to try an etching primer, they're available in either single or two-pack formulae, with the latter offering longer shelf life. They must be thinned with the specified thinners before spraying through an airbrush, which must be thoroughly cleaned after use to remove all traces of the paint (I kept a cheap airbrush especially for use with etching primer).

The model must still be well cleaned beforehand and, in most cases, the etching primer remains translucent after application (see image above), so don't be tempted to keep adding layers of paint in an effort to achieve an opaque finish. When this layer has cured, a regular primer can then be applied to create an even undercoat for the livery colours.

SOURCES FOR DIESEL DETAILING PARTS

Q I've been away from modelling for a while and am wondering if there are still companies that supply etched detailing parts for diesel locomotives?
Clive Gill, Somerset

George says: Shawplan/Extreme Etchings, Hurst Models and PH Designs are among the best sources available for detailing parts in 2mm, 4mm and 7mm scales.

Web: www.phd-design-etchings.co.uk
www.hurstmodels.com
www.shawplan.com





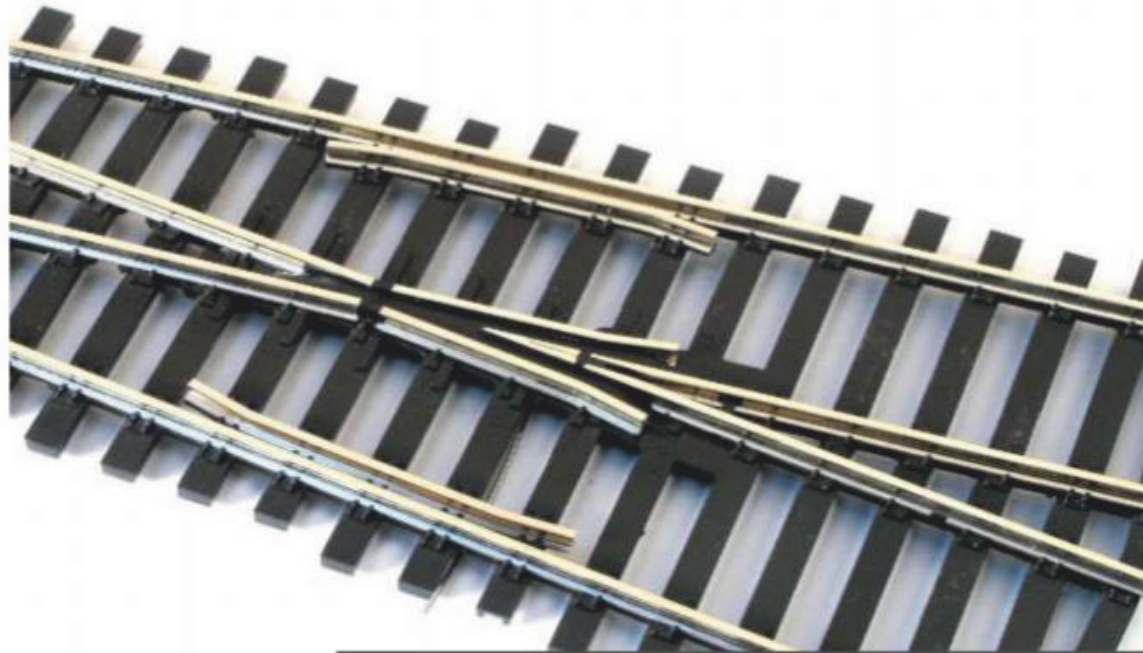
WHAT ABOUT UNIFROG POINTS?



I found Mick Bryan's guide to wiring slips and three-way points in MR255 extremely useful. I'd been scratching my head over a double slip for ages and this solved my problem, so thank you! However, there was one thing not covered: Peco's new Unifrog points. What are they and how do you install them?

Jim Glennie, by e-mail

Mick Bryan says: Peco's Unifrog is a combination of insulated and powered frog in a single package. The insulated section is similar to that of a conventional Insulfrog point, but there is the option of switching the metal nose of the frog to emulate a live frog point. The switching of the Unifrog is accomplished with exactly the same methods described in the feature for live frog points but there's no need to cut an insulating gap.



Peco's Unifrog points offer the option of entirely insulating the frog, or switching power to the metal 'nose' to emulate a live frog point.

Paint chipping effects in a flash...

At first glance, this handy little tool resembles a track cleaning block, but the dense, crumble-free abrasive material is designed for chipping away small areas of recently applied paint in order to reveal the bare material (or other colours) beneath.

For example, paint an object in metallic or rusty tones and, when fully dry, overcoat with a colour. When this topcoat has almost cured, rub the surface lightly with the chipping block to expose the paint beneath.



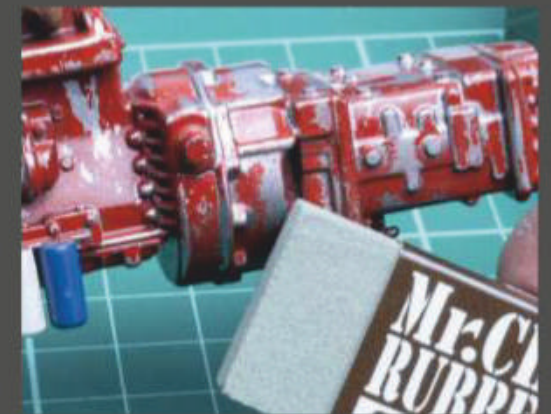
Availability: Scale

Model Shop

Price: £9.00

Tel: 01422 405040

Web: www.scalemodelshop.co.uk



MODERN IMAGE MODELLING

HOW TO CREATE A FIRST GREAT WESTERN 'LOCAL LINES' '158'



How can I create a three-car hybrid 'Local Lines' Class 158?

Harry Smith, by e-mail

George says: A pair of Bachmann two-car Class 158s will be required to make up one of Great Western Railway's three-car hybrid sets, due to the need for three DMSL vehicles. However, investing in three two-car units would allow you to create two three-car sets, without any vehicles left over.

The challenge will be how to couple the inner end of one outer vehicle to the cab end of the centre car, especially as Bachmann's original '158s' didn't feature working outer couplings (the newly tooled version is due later this year). Kadee couplings are an option, mounted on a suitable pivoting bracket and allowing enough clearance for the overhanging gangways, while Symoba NEM coupler pockets and brackets offer plenty of lateral movement to cope with curved track.

As for the livery, Precision Labels offers sets of painstakingly researched decals for the Bachmann '158' (and the 'N' gauge Farish version). Note that the underlying blue livery tapers to a lighter shade near the top of the body sides, demanding some nifty work with an airbrush. **Web:** www.precisionlabels.com



Above: Sporting the attractive but now obsolete 'Local Lines' livery, First Great Western's 158954 is pictured at Cardiff Central with a Portsmouth Harbour service, on August 18 2017. GEORGE DENT

HOW DO I USE CYANO WITHOUT THE MESS?



I want to add etched nameplates and details to my locomotives but am afraid of making a mess with cyanoacrylate. What's the best way of applying it?

Jacob Frampton, by e-mail

George says: Cyanoacrylate (commonly known by the brand name Superglue) is a fast-acting adhesive that comes in a variety of formulae. Bonding times vary from 1-60 seconds, lending different formulas to specific tasks. Generally speaking, the fastest setting glues are the thinnest, while slower setting varieties come in a thick, gel format.

For adding nameplates and locomotive details, a medium viscosity glue is recommended. This gives just enough time to position the parts and is thin enough not to ooze out of the joint.

Cyano glue is incredibly strong and only a tiny amount is needed. Indeed, applying an excessive amount can weaken the bond and damage surrounding materials due to the concentration of strong solvent fumes.

In order to control the amount of glue applied to the component, decant a small blob of cyano onto a scrap of card and use a cocktail stick or needle to transfer a tiny bead onto the mating surface, then quickly bring the parts together. Keep the glue away from the edges to reduce the risk of excess glue being squeezed out of the joint.

Due to the limited working time, it's vital to test-fit all parts before applying the glue, adding alignment aids where necessary to speed up the positioning. If any glue does seep through the joint, allow it to cure fully before scraping it away with a fresh scalpel blade or rubbing with fine abrasives. Attempting to wipe it away before it dries is likely to create even more mess.

Cyano glues come in various formulae, such as the Rokat range from Deluxe Materials.



What you will need

- ◆ Rokat cyanoacrylate glue
Availability: Deluxe Materials stockists, or Gaugemaster
Web: www.gaugemaster.com

Cyanoacrylate glue offers many benefits, but it must be used with care. GEORGE DENT



00 GAUGE | 30 mins | [Icon of a cocktail stick]

STEP BY STEP



1

Squeeze out a small blob of cyano glue onto a scrap piece of card. Wipe the tip of the glue bottle before replacing the cap. Place the card out of the way to avoid accidental contact with your hands or elbows.



2

Collect a small amount of the glue on the tip of a cocktail stick, or needle, and transfer a tiny bead - or a few small drops - onto the component, keeping the glue away from the edges.



3

The part should then be quickly placed into position, before the glue sets. Masking tape makes for a handy alignment guide. Prior test-fitting without glue is recommended.



4

The glue will set within seconds of the parts being brought together. Wait for a minute before removing the alignment guide, just in case there was any stray glue on the tape.



Dry rub-down transfers, as offered by Replica Railways, are simple to apply, with no prior surface preparation required. A strip of masking tape acts as a guide to ensure perfect alignment.

TOP TIPS FOR RUB-DOWN DECALS



What's the easiest way of applying new numbers and, especially, regional logos onto BR coaches?

Bernard Marsden, by e-mail

George says: There are plenty of sources of suitable transfers for BR steam and diesel era locomotives and rolling stock, from the likes of Fox Transfers, Modelmaster, Precision Labels, the Historical Model Railway Society (HMRS) and Railtec. Most are offered in waterslide format, except the HMRS packs that are produced in Methfix or Pressfix form.

Pressfix transfers are fairly easy to apply, with no need to treat the model's surface to a high-gloss clear coat before and after decal application, as is the case with all waterslide transfers. However, Pressfix decals can be tricky to precisely align because the paper backing isn't translucent. Furthermore, once the paper has been soaked in water, the adhesive is instantly activated and there isn't much facility for adjustment.

My own preference for locomotive and coach numbers is the packs of dry rub-down transfers from Replica Railways. Printed onto a completely clear film, the numbers can be aligned with the help of a strip of low-tack masking tape. Gentle rubbing over the characters with a pencil (a medium lead is preferred, such as HB or

B) transfers the digits to the model's surface with no need for prior preparation, other than ensuring cleanliness.

The decals are then sealed by placing the supplied sheet of tracing paper over the numbers and rubbing with the pencil. A coat of clear varnish helps to protect them, but isn't essential.

The drawback of rub-down decals is that there's no way of adjusting the characters once they've been applied, and removal has to be achieved by lightly scraping with a sharp blade.

Replica offers a range of packs for the BR steam, BR blue and sectorisation eras, including regional carriage logos for ScotRail, InterCity and Network SouthEast.

Tel: 01793 642594

Web: www.replicarailways.co.uk



Rub-down decals are printed onto clear film, which helps you to accurately place the numbers.

Tool of the month

Handy hand-powered drill

There are times when a powered drill just isn't appropriate, especially when you are working on soft materials or delicate models. In these instances, a hand-operated drill is preferable, affording far greater control, precision and safety.

This great little drill from Expo Tools features a three-jaw chuck capable of taking drill bits of 0.4mm-3mm diameter. It's equipped with ball-race bearings for smooth and reliable operation.

An extremely useful feature is the screw-top handle which reveals storage space for drill bits. With an overall length of just 160mm, it's great for scenic work, baseboard construction, kit-building and many other tasks - it's an ideal addition to any modeller's toolbox.

Product: Expo hand drill (ref. 750-90)

Availability: Expo Tools stockists

Price: £9.95

Tel: 01834 845150

Web: www.expotools.com



THREE CAMEO IDEAS FOR YOUR LAYOUT...



1 **On a leash:** As a nation of dog lovers, many UK-based layouts feature our four-legged friends. But how many have you seen where a lead has been added from owner to pooch?



2 **A fine old mess:** We're not sure if Fred Dibnah would approve of how this old chimney has been felled, but it makes for an arresting miniature scene.



3 **Blowing in the wind:** With the railway in close proximity to this idyllic country cottage, how long will that whitewashing stay free of smuts?



SELL YOUR SECONDHAND LOCOS & ROLLING STOCK FOR CASH

• Trade in with Hatton's for immediate payment on the day that we receive your goods!* •

Get cash for your items in just four easy steps...



“An excellent service everytime without fault. I honestly cannot think of anything which could be improved.”
Mr A Manning, Ipswich

“Excellent service, fair offer. I will not hesitate to use their service again and recommend it. Thank you.”
Mr P Shaddock, Portsmouth

“Very simple to trade-in. Beforehand I had thoughts of problems with couriers and the like, but all very easy.”
Mr D Spottiswoode, Kilmarnock

ALL brands purchased including:



Sell yours today at www.hattons.co.uk/preowned

Call us on 0151 541 6914 or email preowned@hattons.co.uk

17 Montague Road, Widnes WA8 8FZ

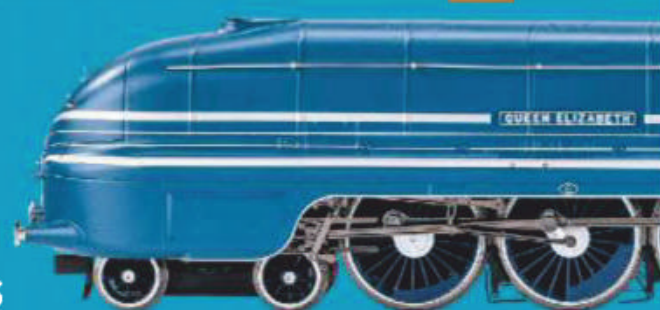
Phone opening times: Mon to Sun 9am-5pm.

*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



Reviews

In-depth and unbiased reviews of the latest products



86 Hornby 'Lord Nelson' 4-6-0

Hornby's 'Lord Nelson' rounds off its Southern Railway express 'set', but is it the pride of the fleet?

90 Oxford Rail 'Class N7' 0-6-2T

Alfred Hill's most famous locomotive impressed Nigel Gresley, but what about our editor?

94 Hornby 'J36' 0-6-0T

The first Scottish steam locomotive to 21st-century standards is a bonnie model.

98 Heljan Manning Wardle - take two

How could Heljan have possibly improved a model that Chris Leigh once described as 'exquisite'?

100 Hornby LMS 'Princess Coronation'

It's been over a decade since the last model of a 'streamliner' in blue livery. Is this a Hornby hat-trick?

103 IRM Tara Mines bogie ore wagon

The prototype has been around for over 40 years, but these wagons show no signs of wear.



Our reviewers

George Dent

A modern image expert, who also tests tools and modelling products.

Richard Foster

His forte is steam locomotives, regardless of region or era.

Chris Gadsby

Post privatisation is his speciality - he wasn't alive for anything else!

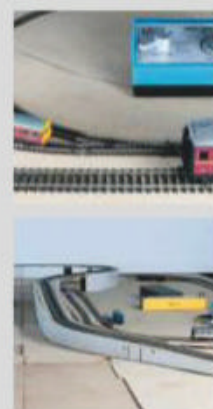
Our ratings

We assess models on the following criteria and rate each of them out of ten: that way, you know precisely how good a model is.

LOOKS	9/10
PERFORMANCE	9/10
FEATURES	8/10
DECORATION	9/10
VALUE FOR MONEY	6/10
TOTAL	82%

How we test

At *Model Rail*, we pride ourselves on the quality, thoroughness and unbiased nature of our reviews. To do this, we judge models against prototype images and historical texts. We also run them on our test track, which features 1-in-30 and 1-in-60 gradients in both 'N' and 'OO', not to mention numerous challenging track configurations.





Eight-pin DCC socket

Hornby 'Lord Nelson' 4-6-0

◆ **SCALE** 'OO' ◆ **MODEL** Hornby R3634 Maunsell 'LN' 4-6-0 No. 851 *Sir Francis Drake*, Southern Railway olive green ◆ **PRICE** £169.99

◆ **AVAILABILITY** Hornby stockists or www.hornby.com

Most of the major model manufacturers plan their release programmes years in advance. So you can imagine how frustrating it might be for a manufacturer to have a competitor snatch away a prototype that you had plans to do in two year's time.

That said, even the big boys can get tired of waiting...

Bachmann Branchline's 'Lord Nelson' was a prime candidate for a re-tool. It was the only Southern Railway express passenger design not available ready-to-run to 21st-century standards. But the 'Lord Nelson' seemed a long way down the list of Bachmann's 're-tool subjects', along with the original 'Royal Scot' and GWR 'Manor', so Hornby stepped into the breach and announced its

plan to produce the big Maunsell 4-6-0.

It actually makes sense for Hornby to produce the 'Nelson'. After all, it produces every other Southern Railway express design, from the mighty 'Schools' 4-4-0 to Oliver Bulleid's advanced 'Pacifics'.

Can you believe that Hornby's 'King Arthur' is 12 years old? It's widely hailed as one of Hornby's best steam-outline models. "It is difficult to visualise how Hornby's Maunsell 'King Arthur' could be improved" is how we describe it in *Britain's Model Trains*.

The same could definitely be said about the 'Lord Nelson'.

Richard Maunsell's 'King Arthur', heavily based on the Urie design he inherited, is a slender beast. Its shape disguises the fact that it's capable of some

prodigious feats of haulage.

There's nothing slender about the 'Lord Nelson'. It's a big bruiser of a locomotive that suggests power like a clenched fist. That huge, 5,000gal bogie tender balances the shape, perfectly complementing the large,

tapered Belpaire firebox, 5ft 6in diameter boiler barrel and 6ft 7in diameter driving wheels.

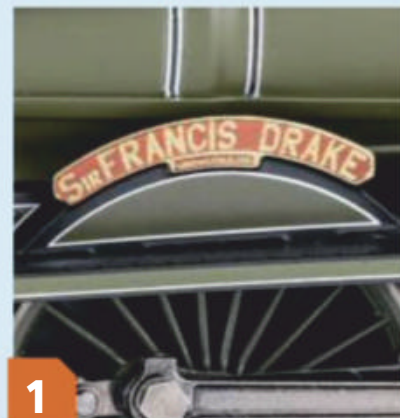
BIG HITTER

Hornby has captured the 'LN's' bulk beautifully. It's nigh on perfect throughout, matching published weight diagrams and





3 things we like



1

Printed nameplate looks as good as an etched one.



2

The tender axleboxes even sport the raised lettering, just like the real thing.



3

The 'point' in the smokebox door catches the light just like the prototype.

“Of particular note are the injectors and their associated pipework that goes through the running plate and on to the top of the firebox”

F.J. Roche's drawings. We've scoured both published photographs and those online to find a discrepancy but to no avail!

We received No. 851 *Sir Francis Drake* in as-built condition. If you're familiar with preserved class pioneer No. 850 *Lord Nelson*, No. 851 looks a little odd at first glance. That's because it lacks smoke deflectors and sports the original short smokebox.

ON FORM

The 'face' is excellent and the point in the smokebox door catches the light in the same way as that of the prototype. That big Belpaire firebox, with its sculpted sides, really looks the part and the cab shape is spot on, complete with its gutters and little visors over the spectacle glasses. There are the faintest mould lines on the boiler's shoulders, but the fact that you

can barely see them is testament to the tool maker and assembly team's skill.

There are so many wonderful areas of detail to talk about. Personal favourites include the

raised cover over the expansion link and the reversing equipment, which complements the curve in the outside edge of the running plate just fore of the cylinders. And of particular note ➤

Performance

The 'Lord Nelsons' were, at one stage, Britain's most powerful steam locomotive, so Hornby's model had **some big boots to fill!** *Sir Francis Drake* hauled a respectable rake of 12 Bachmann and Hornby carriages around our test track, took six over our 1-in-60 gradient and four over our 1-in-30.

No. 851 was smooth and quiet straight from the box, as one would expect. We found that our sample was quite sensitive to how well points have been laid. It derailed on some of the Hornby

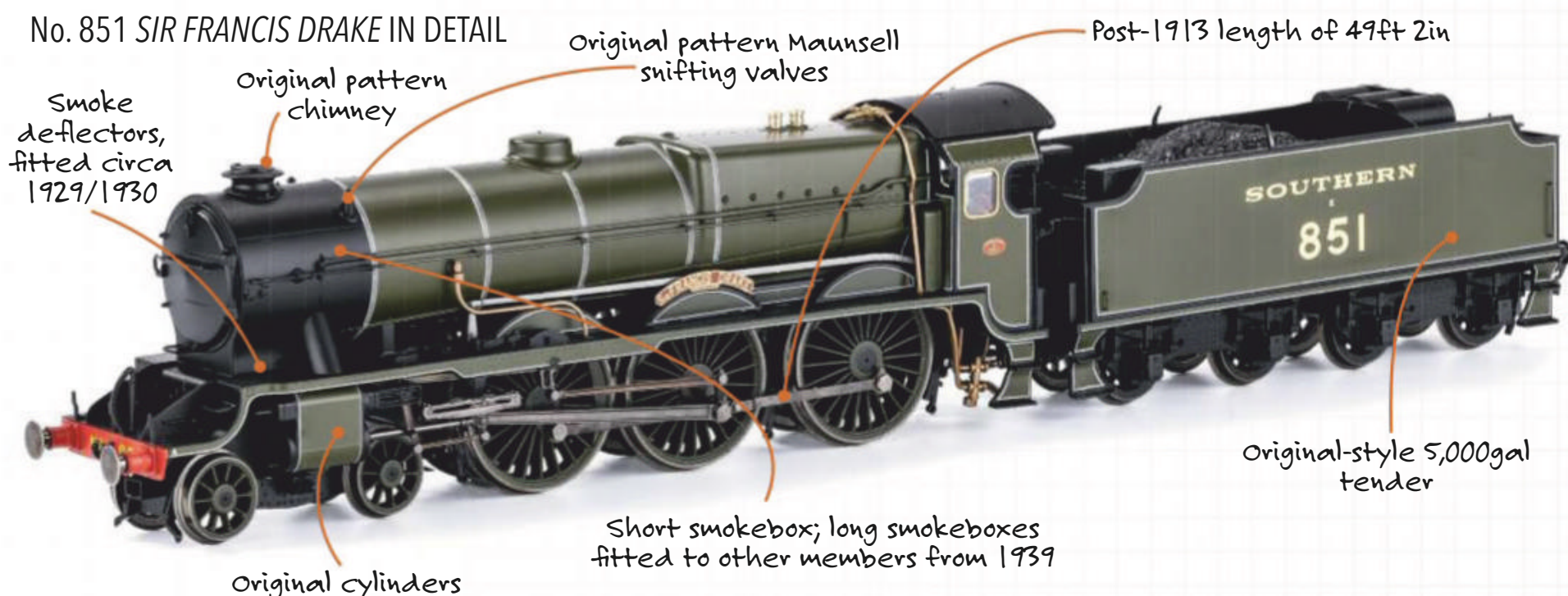
R8072 and R8073 points on our test track at medium to high speed. However, it performed faultlessly on Chris Leigh's home layout, taking complex pointwork in its stride at higher than realistic speeds.



Eight-pin DCC socket

Reviews

No. 851 *SIR FRANCIS DRAKE* IN DETAIL



Factfile: Maunsell 'Lord Nelson' 4-6-0

The Southern Railway had to balance operating heavy expresses to the Channel ports and the West Country with the busy commuter system around London. The 'King Arthur' 4-6-0s could handle the heaviest of trains but with little in reserve - a failure could cause havoc with the electric services.

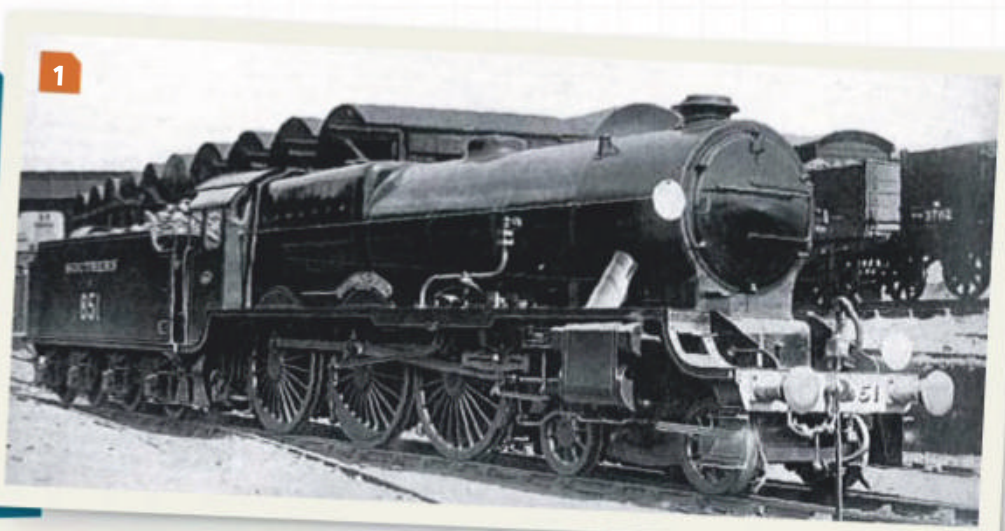
Chief Mechanical Engineer Richard Maunsell penned a big 4-6-0 to provide enough power for the West Country trains. He had to scale back his plans when it fell afoul of the Civil Engineer's axle weight limit. However, the new locomotive, No. 850, emerged from Eastleigh in 1925. Named after the hero of the Battle of Trafalgar, *Lord Nelson* was, with a theoretical tractive effort of 33,500lb, Britain's most powerful steam locomotive. Spurred on by this, the Great Western Railway would develop the 'King' 4-6-0 - but that's another story.

Lord Nelson proved to be a capable machine on test, though it didn't offer much more than a good 'King Arthur'. But Maunsell ordered a further ten. As they were for use on the Eastern Section, they were paired with six-wheel tenders, rather than the bogie tender behind No. 850. However, it was swiftly decided to allocate the new locomotives to the Western Section, and they appeared in 1928 with bogie tenders.

A further eight 'LNs' were built in 1929. Like their predecessors, they also carried the names of famous naval commanders.

The 'LNs' were plagued by performance issues. It's believed that some of this stemmed from firemen unused to the long, Belpaire firebox with its split-level grates. Maunsell and his successor, Bulleid, tried different blastpipes and cylinders to cure the 'Nelson's' problems. The successful formula consisted of a Lemaître multi-nozzle blastpipe and new cylinders with 10in piston valves.

Although it now matched Maunsell's original expectations, the 'LN's' reign was curtailed by Bulleid's 'Pacifics' and the whole class was withdrawn between August 1961 and October 1962. Pioneer No. 850 was saved as part of the National Collection.



1: Although slightly grainy, this photograph shows No. 851 *Sir Francis Drake* in the condition in which Hornby has modelled it: original chimney, short smokebox, twin snifting valves and original pattern tender. It entered service in May 1928 and was withdrawn from Eastleigh in December 1961. It was scrapped there during the spring of 1962. ARCHIVE PL/ALAMY



2: A stunning portrait of ex-works *Sir Francis Drake*, taken at Eastleigh. It has the Lemaître blastpipe, identified by the large diameter chimney and the post-1937 self-trimming tender. You can tell the latter by the raised raves. 'Drake' was unique amongst the 'LNs' - it received new cylinders but with 8in piston valves and, consequently, it kept its original length smokebox until withdrawal. COLOUR RAIL



3: Preserved pioneer No. 850 *Lord Nelson* hauls a railtour bound for Exeter away from Clapham Junction on July 8 2007. The locomotive is now on display at the Mid-Hants Railway. No. 850 sports the extended smokebox fitted when it received Bulleid cylinders with 10in piston valves. The giveaway is that the steampipes don't pierce the bottom edge of the smoke deflectors. ED HURST

RECOMMENDED READING

◆ *Locomotives of the Southern Railway Part 1* by D.L. Bradley (RCTS, 1975)

◆ *The Arthurs, Nelsons and Schools of the Southern* by S.C. Townroe (Ian Allan, 1973)

◆ *Maunsell Locomotives* by Brian Haresnape (Ian Allan)



are the injectors and their associated pipework that goes through the running plate and on to the top of the firebox.

And then there's the foot-plate detail, which is to Hornby's usual high standards, with full backplate detail and controls and complemented by a hinged metal fallplate. The area around the firehole door is particularly good.

In fact, the only thing we can criticise is that there are two holes in the running plate, either side of the smokebox. Clearly, No. 851 shares the same running plate tooling as other models, for these holes are where the smoke deflectors locate.

The tender is every bit as good as the locomotive. Just as the real 'LN's' tender shared very little with that of the preceding 'King Arthurs', so Hornby appears to have only carried over the bogie frames. The body shape is an excellent rendition of the original style (not self-levelling and without the additional side raves, as on No. 850's tender). The auxiliary vacuum tanks immediately catch the eye but it's worth putting the axleboxes under your magnifier - you'll see the lettering included in the covers, just like the real thing. It's an exquisite piece of tooling.

Happily, the finish complements the superb looks and

detail. The green is perhaps a little on the dull side but it works well in model form. The white lining is very fine throughout and it complements the primrose numbers and lettering, which are the right weight and size. There's the small 'A' (Urie power classification) just behind the bufferbeam too.

Finally, we must talk about the nameplate. It's printed but it's printed so well that it looks as though it's an etched component.

Throw turned metal sprung buffers, NEM coupler pockets, fine plastic handrails and full DCC provision into the mix and you have one of the finest



'OO' gauge steam locomotives that Hornby has ever produced. If anything, it's probably *the* finest. **(RF)**



HORNBY 'LORD NELSON' 4-6-0

OVERVIEW

Manufacturer: Hornby
Ref. No. R3634
Unit No. 851
Scale/gauge: 1:76 scale, 16.5mm gauge 'OO'
Body: Plastic with metal parts
Chassis: Metal with plastic parts
Weight: 310g
Min. curve radius: R2
Wheel back-to-back: 14.5mm

ELECTRICS

Electrical system: 12V DC two-rail
Motor type: Sealed Lights?: No
DCC ready?: Eight-pin socket
Current consumption
Max. speed: 0.4A Stalled: 0.7A
MECHANISM
Drive system: Gear train over rear axle; linked by shaft from motor
Flywheel(s): Twin
Traction tyres: No

DIMENSIONS

	PROTOTYPE	1:76 SCALE	MODEL
Length (over buffers)	69ft 9 3/4in	280mm	281mm
Height (over chimney)	13ft 1in	52mm	52mm
Width (over footplate)	8ft 9in	35mm	35.09mm
Wheel diameter (driving)	6ft 7in	26mm	26.2mm
Wheel diameter (bogie)	3ft 1in	12mm	12.3mm
Wheel diameter (tender)	3ft 7in	15mm	14.3mm

SERVICING

How to dismantle: See instructions
Where to oil: Factory lubricated; instructions suggest further lubrication after running in.

REVIEW VERDICT

PROS. Has to rank as Hornby's finest steam-outline model.

CONS. Little of note.

LOOKS	10/10
PERFORMANCE	9/10
FEATURES	9.5/10
DECORATION	9/10
VALUE FOR MONEY	9/10

93%

System builder Other items to complement this model...



LOCOMOTIVE

Your Southern layout will also need one of Hornby's superb Maunsell 'King Arthur' 4-6-0s... **Price:** £160.99
Availability: www.hornby.com

LOCOMOTIVE

...and to complete the Maunsell trio, a Hornby 'Schools'. **Price:** £149.99 **Availability:** www.hornby.com

COACHES

Your 'Lord Nelson' will need some coaches to pull, and what's better than Maunsell coaches? **Price:** From £47.99
Availability: www.hornby.com



Oxford Rail 'N7' 0-6-2T

◆ **SCALE** 'OO' ◆ **MODEL** Oxford Rail OR76N7001 Hill 'L77' 0-6-2T No. 1002, GER grey ◆ **PRICE** £109.95 ◆ **AVAILABILITY** Oxford Rail stockists or www.oxforddiecast.co.uk

The name Alfred John Hill will not be familiar to many railway enthusiasts. He was the last chief mechanical engineer of the Great Eastern Railway, and his reputation is overshadowed by those of his predecessors, the Holdens and the Worsdells.

His tenure was tainted by the First World War, so he never really had a chance to become the next Gresley or Churchward.

Hill is only credited with four designs, the best known of which is the 'L77' 0-6-2T, which broke a long-standing Great Eastern Railway tradition of building 2-4-2Ts for the busy and extensive commuter network around London's East End and out into Essex. The 'L77' even impressed Nigel Gresley, who adopted it as an LNER 'Group Standard' 0-6-2T, complementing his own 'N2s'. The design is better known, therefore, as the LNER 'N7'.

The 'N7s' could be found throughout the LNER's Southern Area, from the Metropolitan/Great Central Joint, former Great Northern metals from King's Cross and even onto Southern Railway territory. They were powerful machines, with one being photographed on a 12-coach Norwich-Great Yarmouth 'Summer Saturday' service. The 'N7s' are most strongly associated with London's Liverpool Street station. They were ideal machines for the heavy 'Jazz' commuter services, while No. 69614 found fame as one of the station's immaculately presented pilots.

Oxford Rail chose this handsome 0-6-2T for its third 'OO' gauge steam-outline model. It's probably fair to say that both its Adams 'Radial' and 'Dean Goods' were good in most areas, being let down by

a few small but rather important flaws. Will it be third time lucky with the 'N7'?

GREY AREA

The problem with choosing an LNER Group Standard design is that what it would build was often quite different to what was penned by its constituent railway company. This often leads to quite a minefield of detail combinations. The 'N7' is no exception, with six distinct subclasses. For example, those built by the LNER were longer, not as tall, and had left, rather than right-hand drive.

Thankfully, the job of reviewing Oxford's 'N7' is made much easier as we were supplied with No. 1002 in Great Eastern Railway grey. This was the first of the production batch of 'N7s' to emerge from Stratford and, therefore, we don't need to worry too much about those pesky LNER alterations!

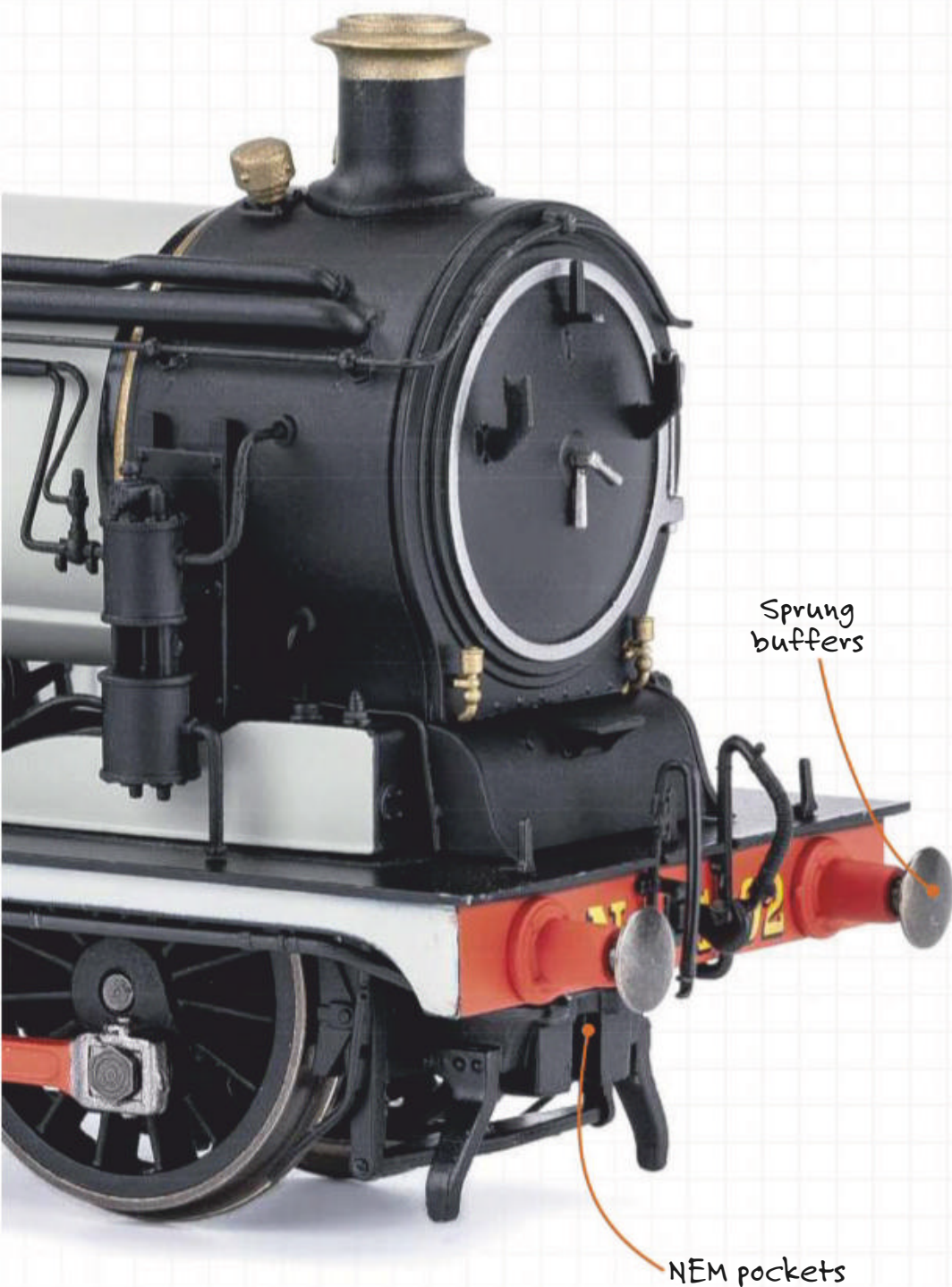
There's an immediate feeling of

quality about the 'N7'. It's hefty (thanks to the die-cast metal tanks and bunker) but the extremely fine, separately fitted handrails, brake pipes and brackets for the train destination boards puts it in a class above the 'Dean Goods'.

The 'face' is particularly effective and Oxford's design team has done a good job of replicating the distinctive dish and rings around the smokebox door. The rest of the lines look good and the shape of the tank and bunker closely match F.J. Roche's and John Gardner's scale drawings.

In short, what we have here is an excellent representation of A.J. Hill's design.

The model is made even more striking by its grey livery. The GER is best known for its beautiful blue colour scheme, but it adopted grey as its house colour during the First World War. Grey was eventually replaced by LNER black after the 1923 Grouping.



No. 1002 would have emerged from Stratford Works with GER initials on the tank sides and cast brass numberplates on the bunker. However, the GER's new Train Control system demanded that locomotives' numbers should be clearly seen, so the GER lettering was replaced by 19in high yellow numbers on the tank sides. No. 1002 wore this scheme until replaced by LNER black with red lining sometime around 1925.

Colour photographs of this period are very rare, so it's safe to assume that Oxford got the grey correct. It certainly makes for an interesting looking model! Boiler bands and cab spectacle plates are black, as per the prototype.

The brass, copper and burnished steel effects are nicely subtle and very effective. The text is legible on the numberplate under a magnifier but it's not as crisp and clear as you'd get from the likes of Bachmann or Hornby.

The cab interior looks well finished too. You can't see particularly well (there are no roof

ventilators to let the light in!) but although many of the fittings are moulded to the backplate, they've been painted effectively. Even the gauge glasses have the distinctive diagonal stripes. The characteristic reversing wheel is a particular joy.

So, why doesn't the 'N7' score more in the looks category?

The 'N7's' good looks are spoilt slightly by the unsightly gap under the boiler. There's no representation of the inside Walschaerts valve gear, which means that there's a lot of daylight visible from normal viewing angles through the wheel spokes on the opposite side. From certain angles, there's a lot of light visible from under the tanks and boiler, which there wouldn't be in reality.

Our No. 1002 had some minor issues with assembly that spoilt the overall aesthetic. There was a distinctive step where the top of the boiler (where it's part of the body moulding) meets the bottom of the boiler (part of the chassis). It looks as though the two aren't assembled properly, although, hopefully, this is an isolated incident.

As the chassis is a heavy die-cast component, the top edges of the main frames are represented by small plastic parts. Our No. 1002 had gaps between the two, which suggested that the parts hadn't gone together very well. Again, this could be peculiar to our sample.

Sadly, what is fundamentally a good model has been let down by errors that some simple research could have prevented.

Oxford has done quite a bit of homework to give No. 1002 the correct detail combinations, such as the four Ramsbottom safety valves, correct cab roof profile, GER pattern buffers and airpump on the smokebox.

But a quick flick through the RCTS 'green book' reveals that No. 1002 should have top feed, for a start. It was only fitted with airbrakes and, therefore, shouldn't have two brake pipes on the bufferbeam. ➤

Performance

Two words: bloomin' impressive! We gently ran No. 1002 in with a four-coach train for half an hour before gradually increasing its load. The little 0-6-2T handled 14 Bachmann and Hornby bogie coaches on level track with no issues whatsoever.

No. 1002 could clearly take on more. But what? The only other item of rolling stock to hand was a Bachmann Class 66 without a motor. It still retained much of its internal weight but free-wheeled nicely. Coupled behind No. 1002, it made no difference to the 'N7s' performance.

The 0-6-2T's party piece was to take seven coaches – plus the Class 66 – over our 1-in-30 gradient. There was much slipping and speed was down to the pace of an arthritic snail, but it managed it.

Our sample was generally pretty smooth out of the box but it did develop a bit of a growl at higher speeds. The trailing truck is fixed to the main frame and has plenty of lateral side-play. However, it doesn't have much vertical play and kept dropping off the rails. Oh, and the trailing wheelset looks really quite toy-like, which means marks have been docked in the looks category too.



3 things we like



1 The smokebox door looks quite convincing, with some very fine, separately fitted detail.



2 The protective bars over the rear spectacle glasses are particularly fine.



3 GER grey is well applied, particularly on the die-cast metal tanks and bunker.

Factfile: LNER 'N7' 0-6-2T

A.J. Hill designed an 0-6-2T for the Great Eastern Railway's intensive suburban services. He broke away from a long-standing tradition of building 2-4-2Ts and combined a 180lb/sq in boiler, 4ft 10in driving wheels and inside Walschaerts valve gear and piston valves. The result was a powerful and speedy locomotive that was no larger than the 2-4-2Ts it replaced.

Nos. 1000 and 1001 were built in 1915, with No. 1001 having a Robinson superheater. Nos. 1002-1011 emerged from Stratford in 1921, followed by Nos. 900-999 (under LNER auspices) in 1923/24.

Superheating was later fitted, along with other tweaks, and these locomotives became 'N7/4' from 1940 when fitted with Diagram 101 boilers with round-topped fireboxes.

The LNER ordered a further 50 in 1924/25. Production was shared between Gorton Works and Robert Stephenson & Co. They were 2½in longer, fitted with left-hand drive and reduced in height to fit the Metropolitan loading gauge. These became 'N7/1'.

Thirty more were built by Gorton and W. Beardmore & Co. in 1927/28. These had long-travel valves and became 'N7/2'. At the same

time, Doncaster Works turned out another 32 with the long-travel valves as well as round-topped, rather than Belpaire, fireboxes. These were 'N7/3s'.

Having started fitting round-topped fireboxes to the GER 'N7s', 'N7/1s' and 'N7/2s' followed suit from 1943. 'N7/2s', with their long-travel valves simply became 'N7/3' but a further subclass was created for the 'N7/1s' – they became 'N7/5'!

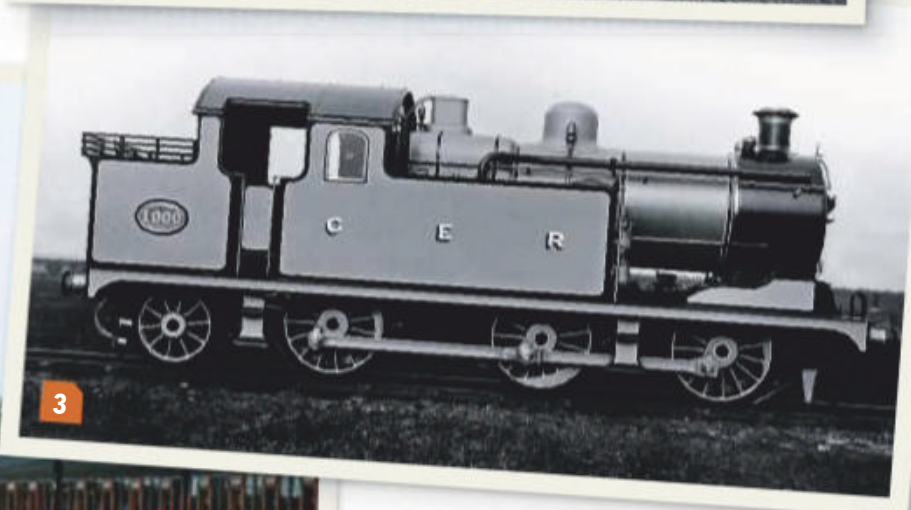
For what was a pre-Grouping design, withdrawals did not start until 1957. The cull was swift and the final eight survived until the last day of Great Eastern steam (south of March) on September 9 1962. 'N7/4' No. 69621 was saved, a happy coincidence as it was the last locomotive built at Stratford Works. It is currently on display at the East Anglian Railway Museum (www.earm.co.uk).

1: A beautiful portrait of No. 1002 in its LNER 'N7' guise as No. 8002, circa 1924/25. The locomotive is not long out of works, its GER grey being replaced by lined LNER black. Its Ramsbottom safety valves have been replaced by Ross 'pop' valves and the pipe for the top feed now comes out through the running plate, in front of the tanks. The coal rails have been filled in but, otherwise, it's still in very much as-built condition. F.H. STINGEMORE/RAIL ARCHIVE STEPHENSON

2: No. 1002's sister, No. 1003 at Stratford shed in 1923. The locomotive is in grey livery, with Train Control numbers on the tank sides. No. 1002 would have matched No. 1003's condition, and in the condition that Oxford Rail has modelled – and this photograph reveals the detail discrepancies. Cab roofs at this stage were made from canvas-covered wood – they were later replaced with steel. WILFRED BECKERLEGGE/RAIL ARCHIVE STEPHENSON

3: Pioneer 'L77' No. 1000 differed from the production locomotives as it had a mechanical lubricator, the dome was further back, the small air pump was mounted on the tank fronts and the cab roof was cut away over the entrance. No. 1001 was similar, but featured a superheated boiler. This view shows of the grey livery with GER lettering. RAIL ARCHIVE STEPHENSON

4: 'N7/4' 0-6-2T No. 69602 at Chingford in the 1950s. No. 1002 became LNER No. 8002 in 1924, 7980 in 1944 and 9602 in 1946. BR re-christened it as No. 69602 in 1948. It was rebuilt to 'N7/4' configuration, with round-topped firebox in June 1949 and was withdrawn from traffic in July 1959. DAVID LAWRENCE/COLOUR RAIL



REVIEW REFERENCE

◆ *Locomotives of the LNER Part 9A* (Railway Correspondence & Travel Society, 1977)

◆ *Yeadon's Register of LNER Locomotives No. 27* by W.B. Yeadon (Book Law Publications)

◆ *Historic Locomotive Drawings in 4mm Scale* by F.J. Roche (Ian Allan)

There's also a pipe that emerges from the driver's side corner of the firebox that runs to the smokebox. It doesn't appear on any photographs of the 1921 batch of 'L77s'. Has the superheater header

cover (fitted in 1929) been misinterpreted as a pipe?

Reader Paul Goldsmith, with a copy of Yeadon's to hand, kindly pointed out that the rear bunker handrail is a post-1929 addition and that there should be a lamp

iron top centre on the bunker.

The 'N7' is redeemed by its price. A full retail price of £109.95 is a bargain in this day and age, especially as some online retailers are offering the 'N7' for under £90. The benefit of such

a price is that you might be more inclined to fix some of the problem areas yourself.

The 'N7' IS a big step forward for Oxford Rail in terms of fidelity and finesse. But the pursuit of excellence continues... (RF)

System builder

Other items to complement this model...

COACHES

Create the glory days of 'N7' power on heavy commuter trains with this 'Quad-Art' coach kit from M.A.R.C. Models.

Availability:

www.marcmodels.co.uk

RUNNING MATES

There are plenty of excellent Great Eastern designs from Hornby available to complement your 'N7': choose from the 'B12/3', 'J15' and this, the 'D16/3'.

Price: £140.99 Availability:

www.hornby.com



STATION PILOT

No Liverpool Street station pilot scene with complete without a 'J69' 0-6-0T. The 'Buckjumper' is only available in 'OO' in kit form.

Price: £89.50

Availability:

www.sefinecast.co.uk

REVIEW VERDICT

PROS. Powerful, good looking and well priced.

CONS. Let down by many detail discrepancies.

LOOKS	6.5/10
PERFORMANCE	8.5/10
FEATURES	9/10
DECORATION	8/10
VALUE FOR MONEY	9/10

82%



OXFORD RAIL 'N7' 0-6-2T

OVERVIEW

Manufacturer: Oxford Rail

Ref. No: OR76N7001

Unit No. 1002

Scale/gauge: 1:76 scale, 16.5mm gauge, 'OO'

Body: Metal/plastic

Chassis: Metal/plastic

Weight: 295g

Min. curve radius: R2

Wheel back-to-back: 14.4mm

ELECTRICS

Electrical system: 12V DC two-rail

Motor type: Coreless

Lights? No

DCC ready?: Eight-pin socket

Current consumption

Max. speed: 0.4A Stalled: 0.8A

MECHANISM

Drive system: Gear train to rear

driving axle

Flywheel(s): Yes Traction tyres: No

DIMENSIONS

Length (over buffers)

Height (over chimney)

Width (over footplate)

Wheel diameter (driving)

Wheel diameter (trailing)

PROTOTYPE

34ft 10in

12ft 11in

9ft 0in

4ft 10in

3ft 9in

1:76 SCALE

140mm

52mm

36mm

20mm

16mm

MODEL

139.9mm

52.3mm

35.9mm

19.2mm

13.9mm

SERVICING

How to dismantle: See instructions

Where to oil: Factory lubricated; instructions suggest further lubrication after running in.



Hornby 'J36' 0-6-0

◆ GAUGE 'OO' ◆ MODEL Hornby R3622 Holmes 'J36' 0-6-0 No. 65311 *Haig*, BR black, early emblem ◆ PRICE £139.99 ◆ AVAILABILITY Hornby stockists or www.hornby.com

It's always refreshing to see a manufacturer take a punt on something new or unusual. Will enough people buy it? Will it open the door to new markets, prompting a raft of new models, or will it flop and be consigned to the 'Failed Experiments' file?

What we have here is the first purely Scottish steam locomotive.

OK, it's not the *first* first, for that honour goes to Tri-ang and its Caledonian Railway No. 123. Then there's Hornby's 'J83' 0-6-OT and Caledonian 'Pug'. But then, both are 40-odd years old. And let's not forget Bachmann's 'D11/2'.

What we have here is the first Scottish steam locomotive designed by a Scotsman and modelled to 21st-century standards.

The North British Railway 'C'

(better known as LNER 'J36', which we'll refer to it as here) might look like any old Victorian 0-6-0. But looks can be deceiving, for it actually fits in with Hornby's philosophy of choosing a subject or product to mark an anniversary or event.

CALLED UP

The 'J36s' were one of the 19 classes of British steam locomotive requisitioned during the First World War. The NBR supplied 25 for use in France and, when they returned, they were bestowed with names of British Army generals. Given that we've just commemorated the centenary of the Armistice, the 'J36's' obvious links made it a prime candidate for a model.

The 'J36' has all the hallmarks of a Scottish locomotive. The

leading splashers are crowned by sandboxes and wing plates. The cab front and rear splasher blend together in a series of beautiful sweeping curves. Hornby has nailed it in terms of looks, although the flatter smokebox door and undernourished numberplate means that the 'face' doesn't fully convey the look of the real thing.

Sadly, a small hole on the fireman's side of the smokebox reduces the score for 'looks'. There's no hole in photographs of the real *Haig*, so it appears that the same smokebox is on different 'J36s' where it's filled with a part.

There are a couple of other minor problem areas. The steam-heating pipe is mounted a bit too far forward and

obscures the curved angle behind the front bufferbeam. The bufferbeam is completely flush but it ought to feature some rivets and the guard irons are curved when they should be straight. The latter, though, is a compromise forced on Hornby by the unprototypical, close-together nature of 'OO' gauge steam locomotive underframes.

These may sound like quite major issues but they're really not and they can be easily overlooked, given the excellent work elsewhere.

We received No. 65311 *Haig* in unlined BR black with BR 'cycling lion' emblem and a 64A St Margaret's (Edinburgh) shedplate. Despite its name, No. 65311 wasn't a 'J36' that served during the First World War.



Eight-pin DCC socket

“The backplate detail marks a return to the heights that Hornby reached circa 2008”

Classmate No. 65226 had carried the name but was withdrawn in 1951. Clearly feeling that the controversial Field Marshal needed commemorating (or was it down to the Haig family's whisky business?), No. 65311 was unofficially named *Haig* at Craigentenny in 1953. The name was made official during an overhaul at Inverurie Works in June 1955.

Hornby's model of *Haig* covers a very short timescale. It was transferred away from St Margaret's and took up residence at Polmont on June 7 1956.

By the time it was withdrawn in November 1963, No. 65311 had gained a smokebox with pop rivets, rather than flush, and the larger pipe along the boiler, along with other minor alterations.

DELIGHT IN THE DETAIL

The excellent overall shape is brought to life with lots of very fine and beautifully executed detail. The lubricating cups on the smokebox sides are really

wonderful and the backplate detail marks a return to the heights that Hornby reached circa 2008. Having commented on Heljan's '43XX' weather sheet last issue (MR257), the 'J36' has one. The sandbox linkage is very fine, as are the thin plastic sand pipes. There's a decent representation of the motion between the frames.

The tender is to an equally high standard. The axlebox detail is crisply moulded and the fine tender coal rails are complemented by Inverurie

Works-style sheet metal guards, although photographic evidence suggests that these ought to be a bit taller than how Hornby has modelled them.

Items such as wire handrails, hinged metal fallplate and sprung metal buffers add a touch of extra class.

Access to the eight-pin DCC decoder socket couldn't be easier. Remove the two screws behind the drawbar and pull the body away. There's enough space under it for a small speaker. ➤

Performance

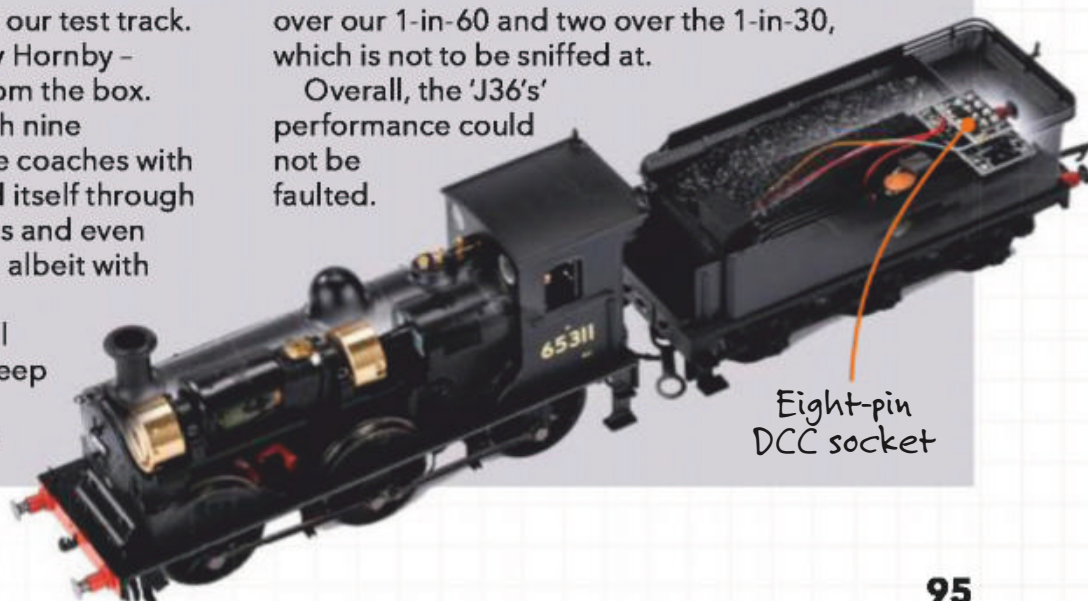
Haig performed superbly on our test track. The mechanism was typically Hornby – smooth and quiet straight from the box.

The 'J36' romped away with nine Bachmann and Hornby bogie coaches with minimal running-in. It proved itself through tight radius curves and points and even managed to pull 14 coaches, albeit with much slipping.

No. 65311 even coped well going 'over the top' of our steep gradients (pardon the Haig pun!). It hauled four coaches

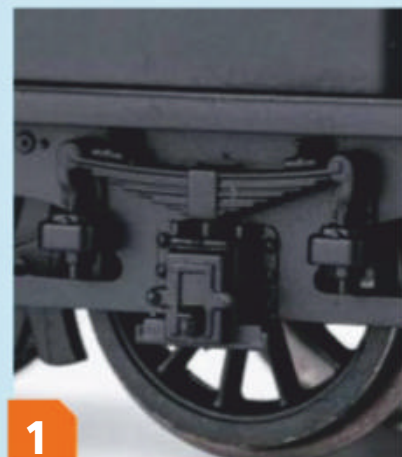
over our 1-in-60 and two over the 1-in-30, which is not to be sniffed at.

Overall, the 'J36's' performance could not be faulted.



Eight-pin DCC socket

3 things we like



1

The attention to detail even extends to getting the spring configuration correct.



2

The snowplough plugs into the NEM pocket.

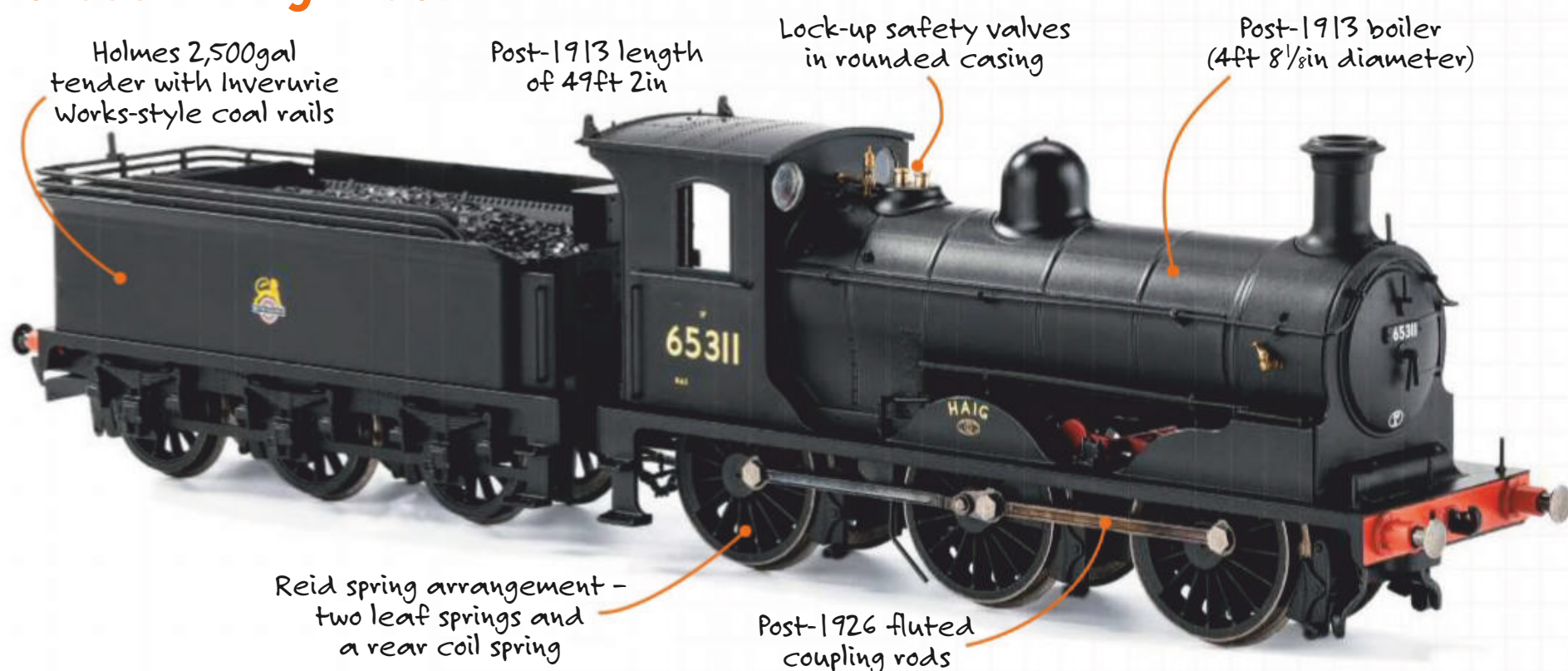


3

It's the second RTR locomotive we've seen in two months that comes with a weather sheet!

Reviews

No. 65311 *Haig* in detail



Factfile: NBR 'C' 0-6-0

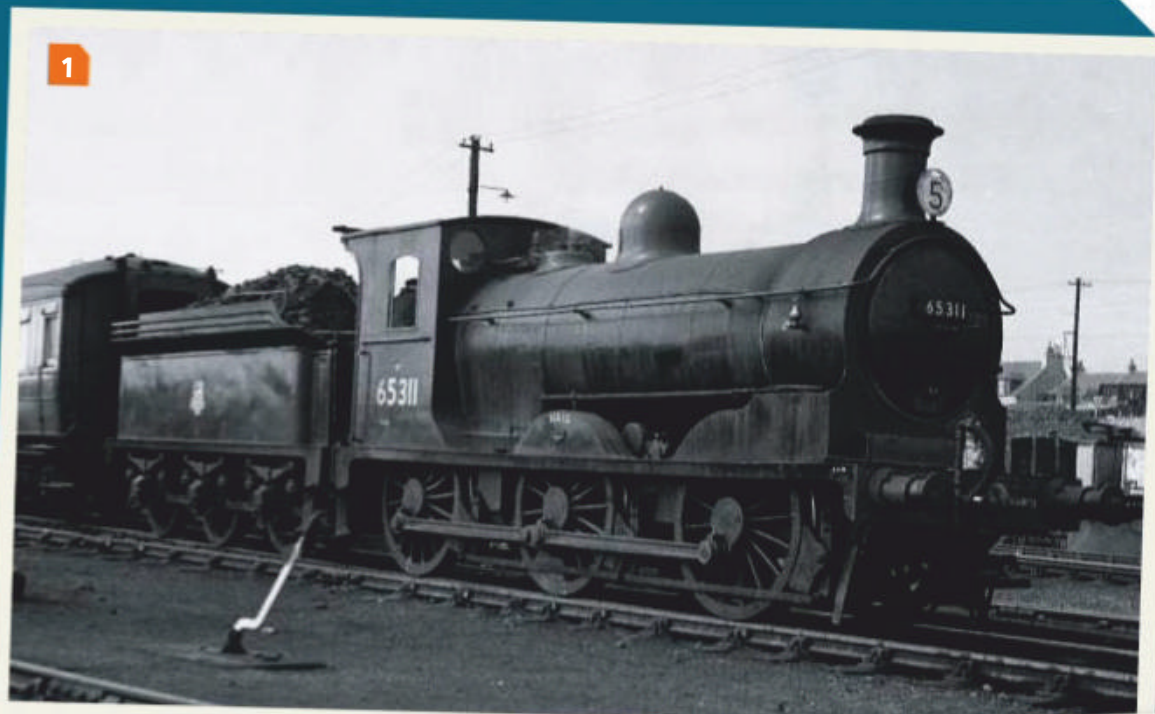
It's hard to imagine that BR still operated 0-6-0s of 1880s vintage as late as 1967, but it did. These venerable survivors included the 'J36', designed by Matthew Holmes for the North British Railway in 1888.

What was designated 'C' by the NBR looked very different to the locomotives that enthusiasts flocked to see in the 1960s. The 168 locomotives built between 1888 and 1900 were rebuilt between 1913 and 1923 with larger boilers and larger, side-window cabs.

The class could be found throughout the NBR system, from Aberdeen to Carlisle and even south of the River Tyne, at Blaydon. The First World War interrupted proceedings and 25 were commandeered for use on the Western Front. A further three were used on Highland Railway metals. All 25 received names of 'Great War'-themed names upon their return to Britain.

Plans to use 'Cs' - now classified 'J36' - on the former Great North of Scotland system after the 1923 Grouping came to nought, but the class did pass through its works at Inverurie for overhaul. Some even found themselves on former LMS Northern Division metals in Scotland after 1948.

BR inherited 123 'J36s'. Withdrawals continued steadily until, by the start of 1967, it had just three left in service. No. 65234 was



1: A fine portrait of No. 65311 *Haig* resting at Kittybrewster shed. As denoted by the name on the bufferbeam, *Haig* was based at St Margarets shed (resident from October 20 1952 to June 7 1956). *Haig* was fitted with air and steam braking until October 1945 when the Westinghouse pump was removed. P.J. HUGHES/COLOUR RAIL



2: *Haig* at Falkirk Grahamstown on August 21 1958. The locomotive is in the condition as modelled by Hornby: flush smokebox rivets, lock-up safety valves in a rounded casing and the raised plates, fitted by Inverurie Works, behind the coal rails. Fluted coupling rods were fitted to the whole class post-1926. K.C.H. FAIREY/COLOUR RAIL

3: *Haig* looks considerably different in this photograph taken at Polmont shed in 1962. It has received a new boiler with pop safety valves in a rectangular casing, raised rivets, different washout plugs and a modified steampipe along the boiler. It had been transferred from Grangemouth to Polmont on October 21 1963 but was withdrawn a month later on November 29. RAIL ONLINE



withdrawn in May and Nos. 65288 and 65345 were not retired until June.

Happily, No. 65243 *Maude* was saved by the Scottish Railway Preservation Society. It is currently on display at the Bo'ness & Kinneil Railway.

RECOMMENDED READING

◆ *Locomotives of the LNER Part 5* (RCTS, 1966)

It's always a challenge to find things to say about unlined BR black, but the 'J36's' finish is to the standard one would expect from Hornby. It has a pleasing satin sheen and all the printing – save for the slightly small smokebox numberplate numerals – is to the right size, weight and colour. The shiny metal contact strips behind the wheels can detract from the visual appearance when you lift the model to eye level, but they're not visible when the model is in motion.

It's worth mentioning the little bag of extra bits. You get the usual brake rigging, front tension lock coupling and brake pipes but you also get

a small snowplough. The shape of the North British Railway snowplough lends itself to a small moulding that simply clips into the front NEM pocket, unlike the one supplied with Oxford Rail's 'Dean Goods' (MR254) which requires the front buffers to be removed. Many 'J36s' carried 'ploughs, but *Haig* wasn't one of those listed in the RCTS 'green book' as having had its front bufferbeam drilled to accept this extra attachment.

What else can we say about the 'J36'? Hornby has proven over the last few years that it can do humdrum, workaday locomotives with equal aplomb to Top Link express

power, and the 'J36' matches those high standards.

Hornby should be given much credit for choosing a Scottish prototype. There's no denying the vital role the North British Railway played in the story of Britain's railways. But the problem of translating that into model form is that NBR locomotives – or Scottish locomotives in general – didn't really work anywhere other than Scotland or the border areas of Northern England. And that could limit potential purchases.

If 'J36 sales are slow, it really won't be the fault of the model. Hornby has delivered a little cracker. (RF)

System builder

Other items to complement this model...



RTR STOCK

The only item of North British Railway rolling stock available ready-to-run is this four-plank open wagon from Oxford Diecast.

Price: £9.95 **Availability:** Oxford Rail stockists or www.oxforddiecast.co.uk

KIT STOCK

Diagram3D's innovative range of 4mm:1ft scale rolling stock kits includes two NBR vehicles designed for perishables traffic: a fish/milk van and this yeast/fruit van.

Price: £16.00 **Availability:** www.diagram3d.com



ACCESSORIES

Bring some realism to the trackside of your North British Railway layout using these authentic NBR mileposts from NBR 4mm Developments.

Price: £2.00 **Availability:** www.nbr4mm.co.uk



HORNBY 'J36' 0-6-0

OVERVIEW

Manufacturer: Hornby
Ref. No. R3622
Unit No. 65311
Scale/gauge: 1:76 scale, 16.5mm gauge, 'OO'
Body: Metal with plastic parts
Chassis: Metal with plastic parts
Weight: 240g
Min. curve radius: R2
Wheel back-to-back: 14.6mm

ELECTRICS

Electrical system: 12V DC two-rail
Motor type: Five-pole skew-wound
Lights?: No
DCC ready?: Eight-pin socket
Current consumption
Max. speed: 0.4A **Stalled:** 0.6A
MECHANISM
Drive system: Gear train over rear axle; linked by shaft from motor
Flywheel(s): Two **Traction tyres:** No

DIMENSIONS

	PROTOTYPE	1:76 SCALE	MODEL
Length (over buffers)	49ft 2in	197mm	202mm
Height (over chimney)	N/A	N/A	51mm
Width (over footplate)	N/A	N/A	30.7mm
Wheel diameter (driving)	5ft 0in	20mm	19.8mm
Wheelbase	15ft 6in	63mm	62.1mm
Wheel diameter (tender)	4ft 0in	16mm	16mm

SERVICING

How to dismantle: See instructions
Where to oil: Factory lubricated; instructions suggest further lubrication after running-in.

REVIEW VERDICT

PROS. Looks, finish, performance, price – and snowplough!

CONS. A few minor shape issues but nothing of note.

LOOKS	8.5/10
PERFORMANCE	9.5/10
FEATURES	9.5/10
DECORATION	9/10
VALUE FOR MONEY	9.5/10

92%



Heljan 'OO9' Manning Wardle *take 2*

◆ **GAUGE** 'OO9' ◆ **MODEL** Heljan 99511 L&B 2-6-2T No. 760 *Exe*, Southern green; 99521 No. 761 *Taw*, Southern green ◆ **PRICE** £189.95

◆ **AVAILABILITY** Heljan stockists or www.heljan.dk

There was almost a fight, a year ago, when the first Heljan 'OO9' Lynton & Barnstaple 2-6-2T arrived in the *Model Rail* office. Chris Leigh and I are passionate L&B enthusiasts: who would get to review the model?

Chris did the honours, and not just because seniority has its privileges – it was his model!

Both Chris and I had ordered No. 761 *Taw*, but the first models that reached the market were classmates *Yeo* in original L&B green and *Exe* in Southern green.

Those first models were a little touch and go. Reports from online forums revealed build quality issues and poor running. Chris' *Exe* was fine in this regard, but it suffered from incorrect Southern Railway lining that marred what was, given that it was Heljan's first ever 'OO9' locomotive, a minor triumph.

LITTLE GEM

"Like a piece of jewellery in a Hatton Garden shop, it's exquisite." That's how Chris

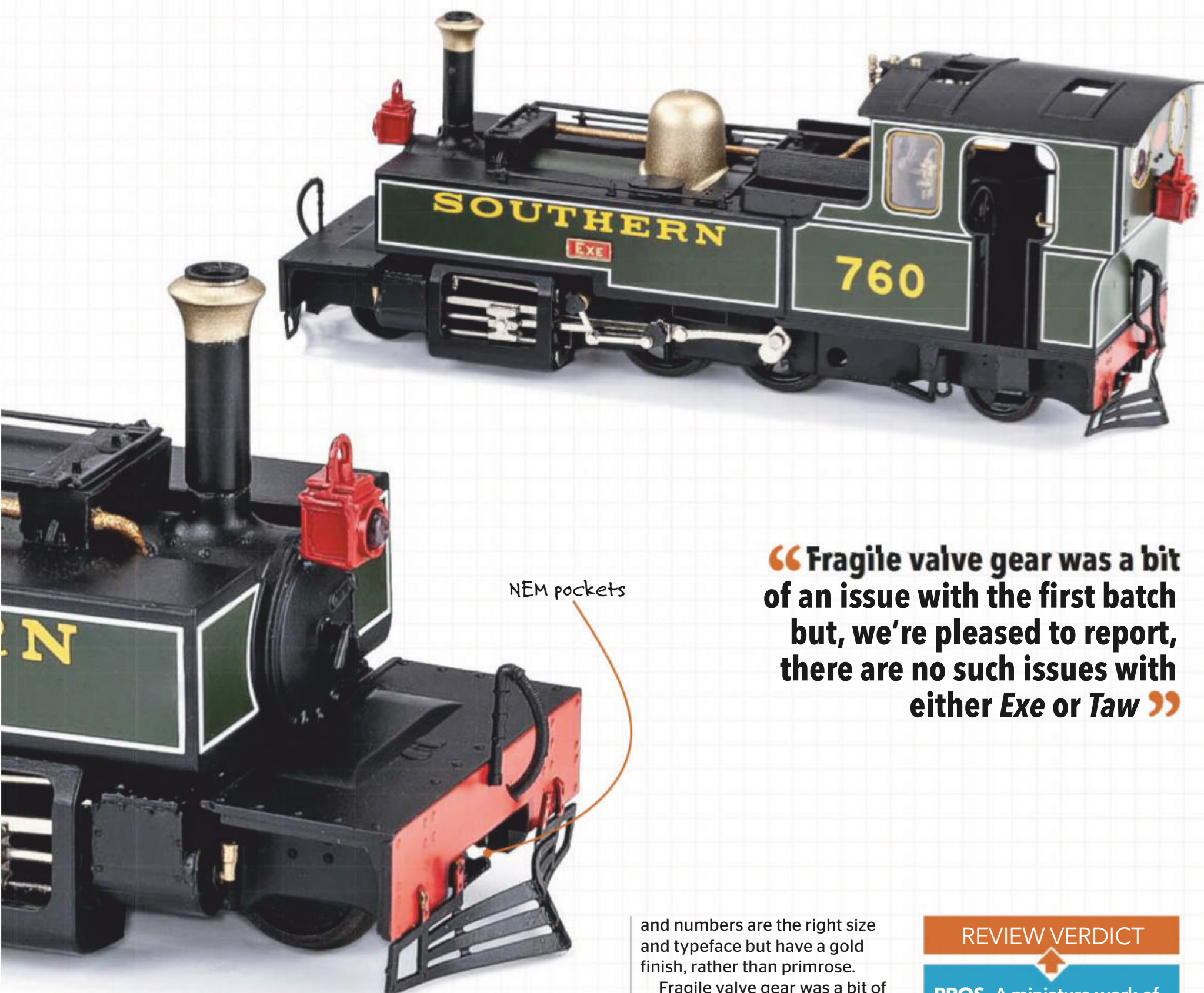
described *Exe*. Heljan had captured Manning Wardle's handsome design to a 'T', mixing crisp metal castings with some fine plastic parts. It looked the business.

Exe performed well too, although it was sensitive to dirty rails and poor track joints. It didn't like dips or raises in the track either, thanks to its long, coupled wheelbase.



We didn't have anywhere to give *Exe* a proper workout though, as it didn't fit under the bridges on our office test track. I tried it on my 'OO9' layout and it wouldn't go around the curves (Peco second radius), which are much tighter than the 305mm radius that Heljan recommends.

Heljan let a limited number of Manning Wardles onto the



“Fragile valve gear was a bit of an issue with the first batch but, we’re pleased to report, there are no such issues with either *Exe* or *Taw*”

market but decided to correct some of the problems before the bulk of the production run hit the shelves. It was a sensible decision, even if it let down a good number of L&B aficionados waiting for their models.

The wait is now over. *Yeo*, *Exe* and *Taw* are in retailers up and down the country, and this time I can give both *Exe* and *Taw* a good going over!

First impressions are good. Both models are as pleasing to look at as that from a year ago. The shape is spot on and the myriad small details bring a feeling of real quality. Heljan has also tweaked the cowcatchers to give them a more convincing shape, although be aware that you won’t be able to use them with the supplied Bemo couplings.

LEARNED ITS LINES

Heljan has taken the opportunity to correct the lining. The panels on the tank ends now correctly follow the smokebox and have right-angle corners on the outer edges. The panel behind the cab entrance also now has the correct right-angle lining.

The biggest issue with the finish is that the white lining is much thicker than that shown in Stephen Phillips’ *The Lynton & Barnstaple Railway Measured & Drawn*. Consequently, it doesn’t leave a lot of room for the black panels. The Southern lettering

and numbers are the right size and typeface but have a gold finish, rather than primrose.

Fragile valve gear was a bit of an issue with the first batch but, we’re pleased to report, there are no such issues with either *Exe* or *Taw*. Some gentle – yet firm – prodding suggested that this seemingly vulnerable assembly has been put together securely.

We weren’t able to give *Exe* and *Taw* exhaustive trials on our test track, but both were lovely and smooth straight from the box. *Taw* was slightly better than *Exe* as its motor was virtually silent – the noise of the

wheels on the track was louder. Both were capable of some very slow running, although you’ll need to keep your track in good order to get the best from them.

Developing a model such as this was never going

REVIEW VERDICT

PROS. A miniature work of art, made better by correct lining and sturdier assembly.

CONS. Thick lining.

LOOKS	10/10
PERFORMANCE	9/10
FEATURES	8/10
DECORATION	9/10
VALUE FOR MONEY	9/10

90%

to be easy. The Manning Wardle 2-6-2T project might have had a problematic gestation period but, now that the models are here, they suggest that the following modified *Lew/Lyd* and Baldwin *Lyn* should be L&B models to treasure. I, for one, can’t wait for them! (RF)



Hornby streamlined 'Princess Coronation'

◆ **SCALE** 'OO' ◆ **MODEL** Hornby R3623 Stanier streamlined 'Princess Coronation' 4-6-2 No. 6221 *Queen Elizabeth*, LMS blue ◆ **PRICE** £189.99

◆ **AVAILABILITY** Hornby stockists or www.hornby.com

Sometimes, a model will make such an impact that it's easy to forget how long ago it actually came out. It feels like only yesterday that *Model Rail* was heaping praise on Hornby's ground-breaking rebuilt 'Merchant Navy', but that model will celebrate its 20th birthday next year.

But when did Hornby last re-tool its LMS streamlined 4-6-2? OK, 2002 is quite a long time ago but you could have been forgiven for thinking that it was in the 1990s. Or even in the 1980s.

The LMS 'streamliner' - thanks to its bulbous, German-influenced bathtub shape and its striking blue with silver stripes - is one locomotive that deserves the overused term 'iconic'. It's been one of the 'constants' in the Hornby range, rarely dropping out of

the catalogue. That's why it became one of the first models Hornby re-tooled to the similar sort of standard that the 'Merchant Navy' heralded.

Sadly, unlike the 'MN', it began to show its age rather quickly. For example, it lacked NEM coupler pockets on the front. So, having produced an all-new non-streamlined 'Duchess' (MR257), Hornby has turned its attention to the streamlined version.

We received No. 6221 *Queen Elizabeth* in the famous Caledonian blue livery for review. The streamlined 'Coronation' perhaps won't be at the top of many people's list of prettiest locomotives, but nevertheless it does have impact.

Sloping noses such as this are always difficult to get right in model form, but *Queen Elizabeth* closely matches

published drawings and photographs. 'Coronation' aficionados might find fault with some areas but, working on the maxim that if it looks right then it is right, *Queen Elizabeth* looks spot on.

There are lots of very fine areas to draw your eye: the shiny, chrome-effect handrails, the sliding cab roof ventilators and the cab windshields. Shiny metal sprung buffers add a touch of class, as does the cab interior with the backplate almost perfectly recreated. It's a little difficult to find sections to comment on for the streamlined casing covers all those areas normally bristling with detail!

Hornby has done its homework: No. 6221 has the right detail combinations for the

pre-war period. It has a single chimney, the vertical edges under the cylinders that only Nos. 6220-24 had and a Stone-Deuta speed recorder.

The good work continues with the tender. It has all the hallmarks of a streamlined tender, complete with rear faring and plated-over holes in the frames. It has the cowl over the coal space that was introduced in 1938.

The 'Coronation' comes with the usual bag of extra bits. In fact, it comes with two bags. One bag contains a flanged trailing wheelset. This is because the 'Coronation' features Hornby's method of dealing with fixed trailing trucks - making the wheelset flangeless. If your curves allow - or if you want to simply ►





“Sloping noses are always difficult to get right in model form, but *Queen Elizabeth* looks spot on”

HORNBY LMS STREAMLINED ‘PRINCESS CORONATION’

OVERVIEW	ELECTRICS	DIMENSIONS	PROTOTYPE	1:76 SCALE	MODEL
Manufacturer: Hornby	Electrical system: 12V DC two-rail	Length (over buffers)	73ft 9¾in	297mm	301mm
Ref. No. R3623	Motor type: Five-pole skew-wound	Height (over chimney)	13ft 2in	53mm	56mm
Unit No. 6221	Lights?: N/A	Width (over cab)	8ft 10⅝in	35.7mm	35.8mm
Scale/gauge: 1:76 scale, 16.5mm gauge ‘OO’	DCC ready?: Eight-pin socket	Wheel diameter (driving)	6ft 9in	28mm	26.6mm
Body: Plastic with metal parts	Current consumption	Wheel diameter (leading)	*3ft 0in	12mm	12.1mm
Chassis: Metal with plastic parts	Max. speed: N/A Stalled: N/A	Wheel diameter (trailing)	3ft 9in	16mm	20mm
Weight: 448g	MECHANISM	*Scale wheelsets fitted			
Min. curve radius: R2	Drive system: Gear train to centre driving axle Flywheel(s): No	SERVICING			
Wheel back-to-back: 14.5mm	Traction tyres: No	How to dismantle: See instructions. Where to oil: Factory lubricated; instructions suggest further lubrication after running in.			



3 things we like



1

The worksplate is legible even without using a magnifier.



2

The copper finish to the injector pipework adds a welcome splash of colour.



3

The famous winged headlamps are included as separate accessories!

Performance

The most noticeable thing, straight from the box, was that No. 6221's bogie kept derailing. Closer examination revealed a small square of bubblewrap between the chassis and the front bogie. It was clearly there intentionally, but with no mention of it anywhere on the box or the instruction leaflet. Removing the bubblewrap didn't cure the problem. The model continued to derail on the curves and was unable to negotiate standard pointwork. Thinking that the problem might be linked with the test track, Chris Leigh gave No. 6221 a run on his home layout. Still, it kept derailing. Clearly there was a problem with our model. Hopefully it's an isolated incident, but it might be worth asking your retailer for a test before you buy. There were no problems with No. 6221's power. It took 14 Hornby and Bachmann bogie coaches around our test track, hauled ten over our 1-in-60 gradient and even managed four over the 1-in-30.

Reviews

display your 'Coronation' – you can fit the flanged wheelset for greater realism.

You also get another bogie, with correct scale diameter wheels. The factory-fitted bogie has smaller diameter wheels to help negotiate train set curves. Contained within the same bag as the bogie are the usual brake pipes, front footstep and, thrillingly, headlamps with wings!

NIGGLING ISSUES

Sadly, there are a couple of little issues with the locomotive.

The holes in the nose that take the handrails are very noticeable, although it's difficult to see how the rails could be affixed otherwise. The other issue concerns the chimney. You can see right through the model, with daylight visible around the valve gear. It shouldn't be too difficult to block out this light with a piece of card or plastic over the hole, but it feels as though this is a modification the modeller shouldn't have to make.

The small hatch on the tender's side gave access to

the tank fillers. Our only issue with the tender is that there's no attempt to model the inside edge of the hatch.

The finish is to Hornby's usual high standards, although the Caledonian blue is, arguably, a touch on the dark side. The silver lining is impressive, although the four lines on each side should converge into a single point, whereas on the model there are obvious gaps. Some of the stripes don't align properly around the nose, but this is probably due to the difficulties of pad printing complex curved

shapes. Another small gripe is that the cabside numbers are a tad on the thin side.

Overall, this is yet another excellent Hornby product. It's just a shame that our sample was marred by performance issues. **(CG)**

Factfile: The 'Princess Coronation' class

The LMS' board of directors wanted more power and more speed than William Stanier's 'Princess Royals' could provide. This was imperative, as the LMS needed to fight back against the LNER's streamlined 'Silver Jubilee' service, launched in 1935. The publicity generated by record-breaking streamlined trains suggested that the only way to get from London to Scotland was from King's Cross to Edinburgh. The LMS needed to remind the public that Euston to Glasgow was just as good.

Stanier and his team, apparently somewhat reluctantly, designed a streamlined 'Pacific'. Progress was fast with the drawings for the next five 'Princesses' cancelled and work immediately beginning on the streamlined locomotives. The first three, Nos. 6220 *Coronation*, 6221 *Queen Elizabeth* and 6222 *Queen Mary* posed together outside Crewe's paint shop in July 1937.

The streamlined 'Duchesses' may have caught the eye and grabbed news headlines but the 'bathtub' casing was a nightmare to work with. It made access to the motion

and sandboxes difficult for shed staff and footplate crew and, worse still, it became a rust trap. The difficulties faced during wartime sealed the casing's fate.

No. 6235 *City of Birmingham* emerged from the works in the spring of 1946 without streamlining. All of its streamlined classmates followed. No. 46243 *City of Lancaster* became the last in May 1949.

No. 6221 went new to Camden shed where it stayed, aside from a few weeks at Crewe North in 1939, until November 1939 when it went to Polmadie.

It remained in Glasgow for almost 20 years, moving to Crewe North on July 5 1958. It had retained its streamlined casing until June 1946.

As BR No. 46221, *Queen Elizabeth* returned to Camden in the summer of 1959 and was back at Crewe North by the end of 1960. It headed north to Carlisle in February 1961 and swapped between Kingmoor and Upperby sheds until withdrawn from the latter on May 17 1963. It was scrapped at Crewe Works a few months later.

1: *Queen Elizabeth* rests at Polmadie shed on August 29 1938. You can see the vertical edge under the cylinders, which covered the crosshead vacuum pump. Only the first four streamliners had this equipment – and edge. No. 6221 was fitted with a double chimney in December 1944. T.G. HEPBURN/RAIL ARCHIVE STEPHENSON

2: *Queen Elizabeth* in its final form at Holyhead in September 1961. No. 6221 had been de-streamlined in June 1946 and gained a cylindrical smokebox in April 1954. It carried BR Express blue and lined green but never the handsome BR red livery. It was withdrawn in 1963. R. BIDDICK/COLOUR RAIL



RECOMMENDED READING

◆ *A Detailed History of the Stanier Pacifics* by John Jennison (RCTS, 2017)

◆ *The Power of the Duchesses* by David Jenkinson (OPC, 2003 edition)

System builder

Other items to complement this model...

LOCOMOTIVE

Develop a Stanier-themed shed scene with Bachmann's fabulous 'Jubilee' 4-6-0.

Price: £164.95 **Availability:** Bachmann stockists



COACHES

Assemble an authentic 'Coronation Scot' rake with kits from Wizard Models.

Price: £43.50 **Availability:** www.wizardmodels.ltd



ACCESSORIES

Ratio's LMS signals are an essential addition to any LMS layout.

Price: £11.50 **Availability:** Kernow Model Rail Centre



REVIEW VERDICT

PROS. Good looks, extra accessories, attention to detail.

CONS. Derailment issues on our sample, otherwise little of note.

LOOKS	9/10
PERFORMANCE	7/10
FEATURES	9/10
DECORATION	9/10
VALUE FOR MONEY	8/10

84%

Irish Railway Models' Tara Mines bogie ore wagon

◆ **GAUGE** 'OO' ◆ **MODEL** Irish Railway Models' Tara Mines bogie ore wagon - IRM1024-BX-E (Pack E), red oxide livery ◆ **PRICE** €79.95
◆ **AVAILABILITY** www.irishrailwaymodels.com

Tara, in Ireland, is Europe's largest zinc mine, where over 2 million tons of ore are excavated from beneath County Meath every year. Iarnród Éireann moves a good proportion of that ore in specially built bogie wagons. The journey to the docks at Dublin is only 40-odd miles, but this is one of the most famous freight flows in Ireland. It even involves quite a bit of street running (along Alexandra Road in the docks) as the wagons are shunted into the tippler for unloading. Traction on the Tara Mines' trains has changed as IE's 071 Class Bo-Bos replaced the Metrovick 'A' Co-Cos. But the bogie wagons, built by CIÉ, have remained a constant sight since operations started in 1977.

It was surely only a matter of time before Irish Railway Models (IRM) added the Tara Mines bogie wagons to its rapidly expanding and exciting range. Despite it being a relative newcomer, you already know what you're going to get with an IRM product. Wagons are offered in multi-packs with individual running numbers, and there are different packs to choose from. That means that you can assemble a train and no wagon numbers are repeated. We reviewed Pack E with wagons 31020 and 31024 in post-1990 oxidised red livery: the original blue colour didn't

last long and was deemed to be affected by corrosion. You also know that with an IRM project you'll get a good-looking model, and the Tara Mines' wagons don't disappoint. IRM has captured the distinctive lines well, especially the hoods, which are designed to prevent dangerous dust from contaminating the environment. The underframe detailing is superb. A particular highlight is that the brake gear features two incredibly tiny springs. Most modellers probably wouldn't have noticed if it comprised just plain, plastic rods, but IRM has done the job properly and it really does make a difference. These wagons feature a first for a 'OO' gauge model - rotating axle bearing caps. It might only be a small thing, but it looks really effective - strangely hypnotic, in fact - and you'll find yourself looking at them every time the train comes past. The bogies are made to the same high standards as the rest

of the wagon. It's no fault of IRM but by designing the bogies to be easily converted to correct 21mm gauge Irish track, there's a lot of exposed axle visible and the brake blocks are a long way from the wheel treads. It must be nearly ten years ago when 'N' gauge wagon manufacturer Mathieson Models produced Rapido couplers in clear plastic to mask their impact. No one else has tried to do anything similar - until now. IRM has produced its tension locks in the same red oxide as the body. It really does make them much less noticeable when in action. Close coupling bars are supplied in the bag of accessories and easily clip into the NEM pockets. The wagons performed flawlessly around our test track, navigating our tight pointwork without any difficulties being both pulled and pushed. Couple that with crisp and clear printing - not to mention great attention to detail - and these new wagons really do the distinctive prototype justice. Highly recommended. (CG)



REVIEW VERDICT

PROS. Print quality, performance, body colour tension locks, rotating axle ends.
CONS. Nothing.

LOOKS	9.5/10
BUILD QUALITY	9/10
FEATURES	9.5/10
DECORATION	9/10
VALUE FOR MONEY	9/10

91%

The club room

Be a part of the *Model Rail* community – get involved today.
E-mail: theclubroom@bauermedia.co.uk



The guest club

For a club that's only in its second year, the Scarborough U3A Trams and Trains Group has an impressive portfolio. Sue Petyt tells us more.

Society: Scarborough U3A Trams and Trains Group
Established: 2017
Location: Scarborough



Now in its second year, the Scarborough U3A Trams and Trains Group was inspired by a talk, entitled 'The History of Trams in Scarborough', by Brian Mulvana. Afterwards, Brian and a group of us got together and decided to build a layout of Scarborough seafront as it was around 1910, when the trams were running.

There was a great deal of discussion before anything was started, including deciding on the scale (we settled on 'OO' gauge), and how to take the curve out of the bay without making the layout look distorted. Plus, as it would be an exhibition layout, we discussed how we would make the layout easy to transport. The buildings, of course, would have to be scratchbuilt, using old photographs as a guide, and the trams are adapted Corgi two-axle open-topped trams fitted with KW or Tenshodo motors and painted in the Scarborough Tramways colours. Finally, the trams feature transfers with the appropriate lettering and colourful local adverts of the time. The layout is still very much a work in progress, and we're not sure how much of the seafront we'll be able to model!

In just our first year, in addition to work on the seafront layout, our members built several other layouts. The most original is the fantasy layout 'Knotoscalia', in which the 'OO' gauge trains have been turned into dragons defending the count and countess' gold from human thieves. The majority of the scenery, including a very impressive castle, is made from various fabrics and has been machine

and hand-sewn. This layout attracted quite a bit of attention when it was exhibited because it was so unique.

Two members worked together on a shunting puzzle, 'West Yard', which has attracted a lot of interest at the two shows to which it's been so far. It was so popular that it is now being extended.

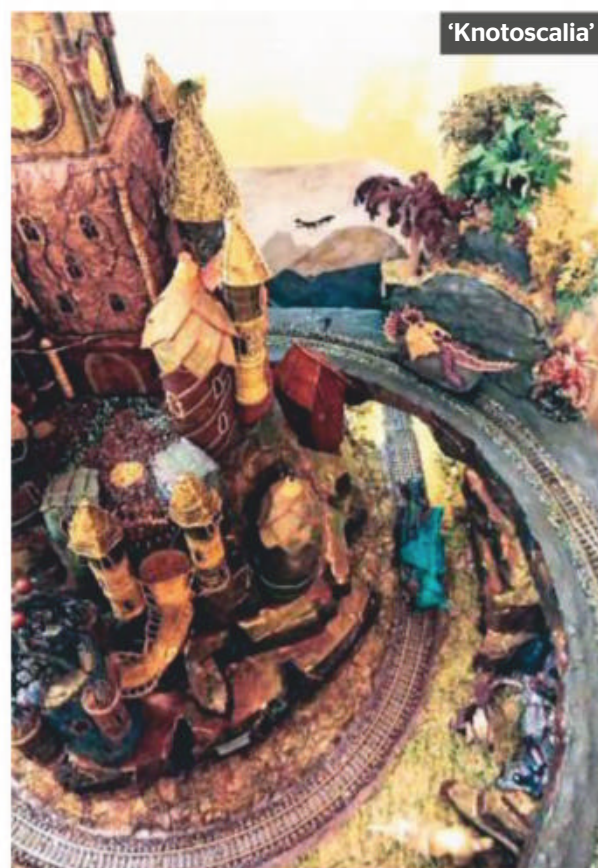
Another member has created a poignant reminder of life on the Home Front in 1918, and it features women railway workers, nurses, medics and wounded soldiers waiting for an Ambulance Train to emerge from a poppy-strewn hill; in the background new recruits march off to war.

One member has created a 'N' gauge Thomas the Tank Engine layout that has buttons for children (of all ages) to press to make the trains move and sound their whistles. *Thomas* and *Percy* run happily round the 25-metre track all day. Another club layout, in 'Z' and 'N' gauges, ('Petite Land') depicts an alpine scene with a fairground and working roundabouts.

Considering the fact that we are only in our second year, we think this is a good output. New layouts in progress are a fictional London Underground layout: the 'Westminster Line' – watch out for this one on the exhibition circuit soon. Its first showing will be at the Scarborough show on May 4, which is being held in the Old Parcel Office at Scarborough Station. In the meantime, work is just starting on a 1940s fish dock layout plus, of course, work will continue on the Scarborough seafront layout.

Membership fees

Full: £33 (per annum), which also includes access to other Scarborough U3A Groups



Address: Membership Secretary,
5 Kingfisher Close, Scarborough YO12 4TZ
E-mail: sue@suepetyt.me.uk
Web: www.scarboroughu3a.co.uk

Letters

Just can't get the staff

Peter Milner

I wonder if any other modellers have had the same problem as me: trying to populate the cab of my Oxford Rail 'Dean Goods'. I've tried plenty of figures, but none of them come close to fitting, and it seemed that if the model's cab were true-to-scale the prototype would be an absolute nightmare to drive and fire – ergonomic design gone horribly wrong!

I compared the model with views of the Swindon museum's specimen and came to

the conclusion that the model's cab width must be about a scale 6in less than it should be. In particular, look at the raised floor on the driver's side, which should have enough height and width with the seat up for him to straddle the brake lever and reach the regulator without the R. splasher getting in the way. The fallplate hinges give it away too.

This problem also raises a question: what proportion of their time do locomotive crew spend in mid-swing of a shovel, attending to the controls or walking along carrying their bait box/bag? And are they all 6ft tall?

Suction ructions

David Harfield

For some time, I have been looking for a small, perhaps battery-powered, vacuum cleaner suitable for use while modelling railway layouts. I have owned two such machines that use normal dry cells. They both made the right sort of whirring noises but weren't able to actually suck anything up. I have also had two different mains-charged, hand-held machines. I think one of them was designed to remove crumbs from a dining table.

Both of these were heavy and somewhat cumbersome machines and of limited use.

Given modellers' frequent need to collect up static grass and loose scatter materials, we're crying out for a genuinely usable, compact vacuum cleaner. As it would be a dedicated modellers' vacuum cleaner, recycling particulate materials should be a manageable issue.

I'd love to see an article with a round-up of hand-held vacuum cleaners in a future edition of *Model Rail*.

Present your case

Your opinions on the BR '3MT' proposed by Stephen Smith in MR256.

www.facebook.com/modelrail



It would be nice, especially for those without room for main line layouts.

Thomas Patrick

Yes, I'd certainly like to see this produced and would certainly buy one of these.

Peter Gower

Yes! I think they are a missing link and would happily have one in my collection.

Brandon Morley

It would be nice but, like the real thing, it would probably be better to just build more Standard '4MT' 2-6-0s. There are plenty more deserving, predominantly NE-based classes that fit the same role.

Simon Davis

It would be nice to see. We have almost all of the British Railways Standard locomotives. Why leave this one out?

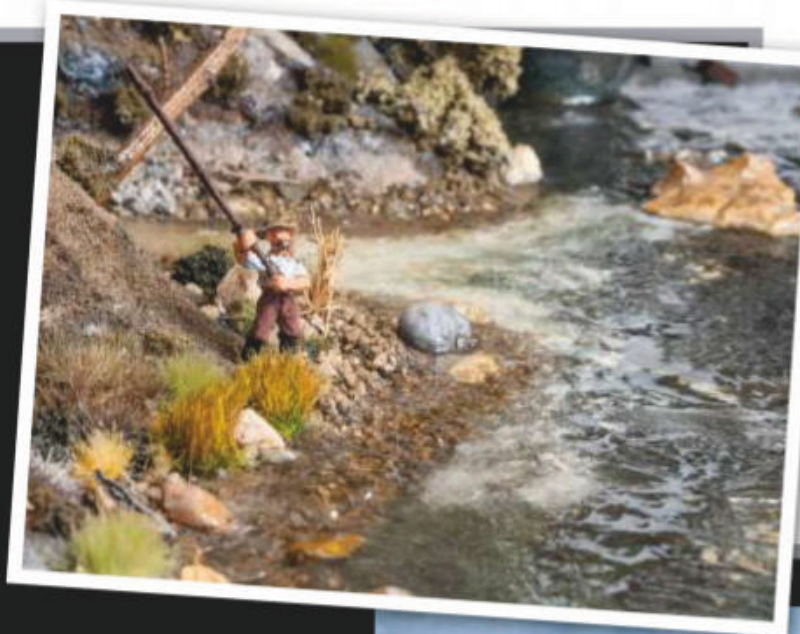
Shedly Yard

I have two of the '3MT' tank versions and I would like one if it was done, due to it being perfect for a lot of small branch line layouts. But I do think that there are more deserving locomotives yet to be modelled before the '3MT' 2-6-0's turn.

James-David Lodder

Caption that pic!

You've been busy on social media coming up with barmy suggestions to caption the photograph (below right) that featured in last month's issue. The reader that made us chuckle most was Andrew Sheldon, so congratulations! This month we want you to caption the picture (right) from 'Meanach' (p24). Keep an eye on our social media pages for more pictures to caption – but remember, it's just for fun!



Last month's responses

"Right, you go and tell Chris Leigh you took his Kit-Kats before he dents another filing cabinet in the office!"

Darren Sherwood-Jones

"What do you mean we're on the wrong track? We're on the right track, it's the rest of the train that's on the wrong track."

Jaime Fisher

"Mending a tyre puncture on these is a real pain!"

Julian Sprott

"No Jenkins, you can't cook your stew in your engine's firebox!"

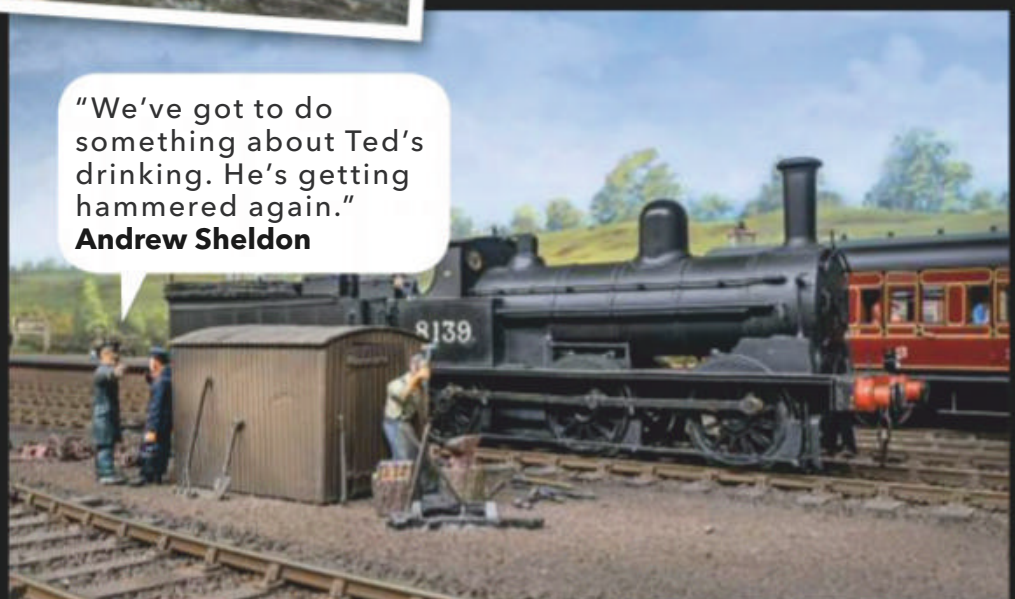
Jake Gonzalez

"Just go and tell him it's easier to buy a new three-link than making one!"

David Smith

"We've got to do something about Ted's drinking. He's getting hammered again."

Andrew Sheldon





Keep up to date with
Model Rail News online.

Show & Tell

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

Deep thinker

Trevor Field

Here's how I model a pond without using any artificial water. I make a base half an inch deep and paint the sides of the base green. I cover the bottom with sand and grit and cut off the ends of a plastic Christmas tree to represent weeds. Once dry, I cover the top with Perspex and paint on clear varnish, which gives the pond the illusion of depth.



Ottery winner

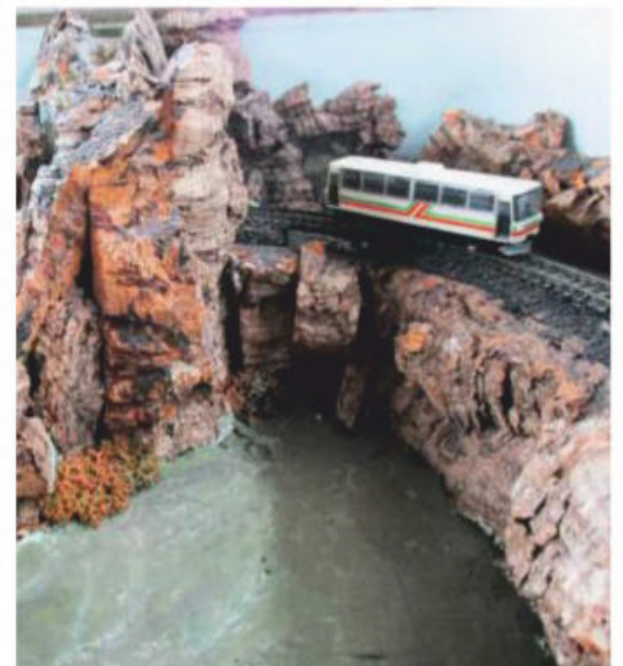
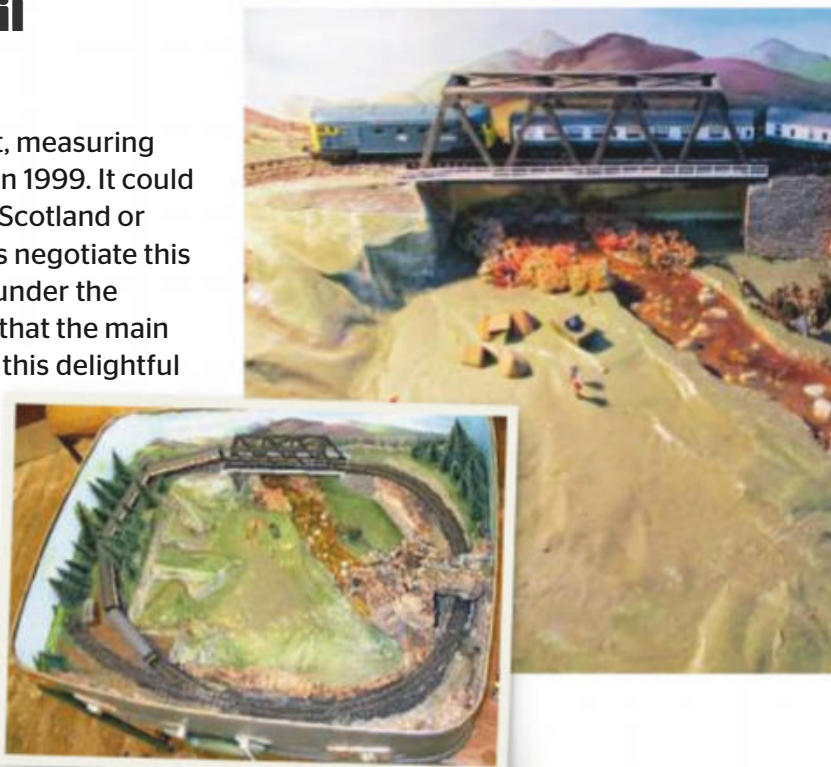
Ian Pethers

I have been working on this 'O' gauge layout for the past three years and it has now reached a stage where I thought you may like to feature it in *Model Rail*. It's a 37-foot circuit around my cellar, based on a fictitious heritage branch line in North Cornwall, called the Ottery Valley Railway - Ottery being the name of the small river which flows through that region.

Packed with detail

Ken Jones

This freelance 'N' gauge layout, measuring less than 2ft by 18in, was built in 1999. It could be anywhere in rural England, Scotland or Wales and various locomotives negotiate this tight single-track line passing under the waterfall, which was the place that the main line, now a mere siding, joined this delightful scene. The waterfall and river are made from a two-pack Faller system, the track is Peco and the controller is bespoke, built by Len Bane from The West Midlands N Gauge Club, to enable slow running.



A vinyl farewell

Mungo Stacy

Some time ago *Model Rail* provided me with some contact details for acquiring a custom model. I followed it up with ElectraRail Graphics, and they were able to produce a set of custom vinyls and fit them to a model, which ended up looking just the job. I recently presented the model to the outgoing chairman of the Ravenglass & Eskdale Railway Preservation Society, Sam Dixon, who was standing down after



15 years in the role. During that time, he had overseen the building of a new diesel locomotive, refurbishment of the preservation society's volunteer accommodation, initiation of a new volunteer driving programme, and commissioning of a new

steam locomotive, *Whillan Beck*. The model is particularly fitting, not just because it features images of the railway's locomotives on its sides, but because one of the photographs used in the original artwork was taken by Sam.



Nuclear option

Steve Searson

Upon reading the 'Improve your Co-Bo' in the February issue (MR257), it reminded me of my old 'EM' gauge Co-Bo using a Hornby-Dublo locomotive as a base. The underframe was concocted, the bogie sides fretted out, the ends detailed, and the body was repainted and flush-glazed. That was over 20 years ago and at the time it was published in the modelling press. Since then the motor has had a Neomagnet fitted, which has transformed performance. The photo shows it working a nuclear train upon my 'EM' layout 'Abbots Bottom Yard.'



'Toad' away

Pete Disney

I enjoyed reading Chris' How-to article on the conversion of the 'OO' brake van into a road van in the December issue. I had never heard of road vans before, but I purchased a Graham Farish 'Toad' on eBay and gave it a go. I am very pleased with the result, so thank you for the inspiration!



Bantry Town update

John Blake

I've just been reading the latest issue of *Model Rail* and was particularly interested in the article on Bantry by Paul A. Lunn

(MR257). We (Sleaford and District Model Railway Club) are currently building a layout of Bantry Town station and pier, circa 1950s/early 1960s.

Here are a couple of pictures to give you some idea of our progress.





Exhibition Diary

What's on in your neck of
the woods this month

FEBRUARY 15-16

SOUTH SHIELDS, TYNE & WEAR.

The Salvation Army MRE. Community and Worship Centre, Wawn St, South Shields NE33 4EB. **Time:** Fri 1300-2000, Sat 1000-1700. **Admission:** Adult £4, Child £2, Family £10.

FEBRUARY 16

EPSOM, SURREY. O Gauge Guild Technical Committee Builders Workshop. Ruxley Church, Ruxley Lane, Ewell, Epsom KT19 0JG. **Web:** www.gaugeOguild.com

YIEWSLEY, LONDON. Hillingdon Railway Modellers Open Day. Yiewsley Baptist Church Hall, 74 Colham Ave, Yiewsley, Hillingdon UB7 8HF. **Time:** 1000-1500. **Admission:** £5. **Tel:** 0208 368 4090. **Web:** www.hillingdonrailwaymodellers.co.uk

TONBRIDGE, KENT. Tonbridge MRC MRE. The Angel Centre, Tonbridge TN9 1SF. **Time:** 1000-1700. **Admission:** Adult £6, Child £1. **Tel:** 01892 527199. **Web:** www.tonbridgemrc.com

FEBRUARY 16-17

MILTON KEYNES. MRE. Stantonbury Leisure Centre, Milton Keynes. **Time:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £7, Child £1. **Web:** www.mkmrs.org.uk

SILEBY, LEICS. Syston MRS MRE. Community Centre, High St, Sileby LE12 7RX. **Time:** Sat 1000-1630, Sun 1000-1600. **Admission:** Adult £4, Child £3.50, Family £8. **Tel:** 01162 605760. **Web:** www.systonmrs.org.uk

FEBRUARY 17

BOSTON, Lincs. Hubberts Bridge MRE. Hubberts Bridge Community Centre, Langrick Road, Boston PE20 3SG. **Time:** 1000-1600. **Admission:** Adult £3.

MONMOUTH. Monmouth Rotary Club MRE. Bridges Community Centre, Monmouth NP25 5AS. **Time:** 1000-1600. **Admission:** Adult £5, Child/Senior £4, Family £12.

FEBRUARY 22-23

GLASGOW. Model Rail Scotland. SEC Glasgow. **Time:** Fri 1030-1800, Sat 1000-1800, Sun 1030-1700. **Admission:** (Advance/Door) Adult £12/13, Child £5/6, Family £28/29. **Web:** www.modelrail-scotland.co.uk

FEBRUARY 23

DEREHAM, NORFOLK. Dereham MRE, Dereham Memorial Hall, Norwich St NR19 1AD. **Time:** 1000-1600. **Admission:** Adult £5.

PRINCES RISBOROUGH, BUCKS. Risborough & District MRC MRE. Community Centre, Wades Park, Stratton Road, Princes Risborough HP27 9AX. **Time:** 1000-1700. **Admission:** Adult £4, Child £2. **Tel:** 01296 415107. **Web:** www.rdmrc.org.uk

READING, BERKS. Kenavon Railway Society MRE. The Warehouse, 1a

Cumberland Road, Reading RG1 3LB. **Time:** 1000-1700. **Admission:** Adult £4, Senior £2.50, Child £2, Family £9.50. **Tel:** 07760 285383.

SAFFRON WALDEN, ESSEX. Saffron Walden MRC MRE. United Reformed and Salvation Army Halls, Abbey Lane, Saffron Walden CB10 1AG. **Time:** 1000-1630. **Admission:** Adult £3, Senior £2.50, Child £1. **Tel:** 01799 521029. **E-mail:** julian.nettle@btopenworld.com

TAUNTON, SOMERSET. Exmoor Train & Toy Fair, The Richard Huish College, South Road, Taunton TA1 3DZ. **Time:** 1000-1500. **Admission:** £2.

FEBRUARY 23-24

CHAPEL EN LE FRITH, DERBYS. New Mills & District Railway Modellers MRE. Chapel en le Frith Leisure Centre, Long Lane, Chapel en le Frith SK23 0TQ. **Time:** 1000-1700. **Admission:** Adult £6, Concession £5, Family £15. **E-mail:** exhibition@nmdrm.co.uk **Web:** www.nmdrm.co.uk

NEWARK, Lincs. Lincoln District MRC MRE, Newark Showground, Lady Eastwood Pavilion NG24 2NY. **Time:** (Wheelchair/disabled early access: 0930-1000) Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £7, Child £3, Family £17.

TENTERDEN, KENT. Tenterden MRE. Homewood School, Ashford Rd, Tenterden TN3 6LT. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £6, Concession £5, Family £15. **Tel:** 01233 733416. **Web:** www.ashfordmrc.com

YORK. EBOR Group of Railway Modellers, York Against Cancer MRS. Heworth Memorial Hall, Melrosegate YO31 0RL. **Time:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £3, Child £1. **E-mail:** saltysedog2984u@hotmail.com

FEBRUARY 24

TROWELL, NOTTS. Ilkeston MRC MRE. Trowell Parish Hall, Stapleford Rd, Trowell NG9 3QA. **Time:** 1000-1630. **Admission:** Adult £4. **Tel:** 07930 909571.

MARCH 2

BECCLES, SUFFOLK. Norfolk & Suffolk NGM Open Day. Blyburgate Hall, Blyburgate, Beccles NR34 9TF. **Time:** 1000-1600. **Admission:** Adult £3. **Web:** www.nsnngm.org.uk

COMPTON DUNDON, SOMERSET. Glastonbury & Street Lions Club MRS, Meadway Hall, Compton Dundon, near Street TA11 6PQ. **Time:** 1030-1630. **Admission:** Adult £5, Child £1, Family £10. **Tel:** 01458 830542.

HARROGATE. Harrogate MRG Open Day. Bilton Grange United Reformed Church, corner of Skipton Road/ Woodfield Road, Harrogate HG1 4LP.

MARCH, CAMBS. March & District MRC MRE. Westwood Junior School, Maple Grove, March PE15 8JT. **Time:** 1000-1630. **Admission:** Adult £4, Child £2, Family £10. **Web:** www.mdmrc.co.uk

SOMPTING, SUSSEX. West Sussex Area N Gauge Society MRE. Sompting Village Hall, West St, Sompting BN15 0BE. **Time:** 1000-1600. **Admission:** Adult £1, Child 50p. **Tel:** 01403 266689. **Web:** www.wsng.co.uk

MARCH 2-3

BIRTLEY, TYNE & WEAR. The Birtley Railway Engineers MRE. Community Centre, Ravensworth Rd, Birtley, Gateshead DH3 1EN. **Time:** 1000-1600. **Admission:** Adult £4. **Tel:** 01914 871110.

LEAMINGTON SPA, WARKS. Leamington & Warwick MRS MRE. Warwickshire College, Warwick New Road, Royal Leamington Spa CV32 5JE. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £8, Child £2, Family £18. **E-mail:** exhibition@lwmsr.co.uk

MANSFIELD, NOTTS. Mansfield St Peter's MRG MRE. St Peter's Centre, Church Side, Mansfield NG18 1AP. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £4, Senior £3.50, Child £1. **Tel:** 01623 469068. **Web:** www.mansfieldmodelrailway.co.uk

RAINHILL, MERSEYSIDE. Rainhill MRC MRE. Rainhill Village Hall, Weaver Ave, Rainhill L35 4LU. **Time:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £5, Child £3, Family £13. **Tel:** 01925 226266. **Web:** www.rainhillmrc.org.uk

ROMSEY, HANTS. Romsey & District Railway Modellers Society MRE. Crosfield Hall, Broadwater Rd, Romsey SO51 8GL. **Time:** Sat 1030-1700, Sun 1000-1630. **Admission:** Adult £5 Child £2, Family £10. **Web:** www.rdrms.com

MARCH 3

CHESHAM, BUCKS. Chesham MRC MRE. White Hill Centre, White Hill, Chesham HP5 1AG. **Time:** 1000-1600. **Admission:** Adult £4, Child £2.50, Family £10. **Tel:** 01494 785865. **Web:** www.chesham-mrc.co.uk

MARCH 9

LINLITHGOW, WEST Lothian. Low Port Centre, 1 Blackness Rd, Linlithgow, EH49 7HZ. **Time:** 1000-1630. **Web:** www.emgs.org

NEWTON AYCLIFFE, CO. DURHAM. Rotary Club of Newton Aycliffe. Youth Centre, Burn Lane, Newton Aycliffe DL5 4HT. **Time:** 1000-1700. **Admission:** Adult £5, Concession £4, Family £10, Child 50p. **Tel:** 07870 210269. **Web:** www.newtonayclifferotary.org.uk

SWINDON, WILTS. Swindon MRC MRE. Modrail 2019. STEAM Museum of the Great Western, Fire Fly Avenue, Swindon, SN2 2EY. **Time:** 1000-1630. **Admission:** Adult £5. **Tel:** 07880 654755. **Web:** www.swindonmodelrailwayclub.com

WOMBOURNE, STAFFS. Wombourne Spring Railx MRE. Wombourne Civic Centre, Gravel Hill, Wombourne WV5 9HA. **Time:** 1000-1600. **Admission:** Adult £5, Concession £3, Child £1. **Tel:** 07927 059930. **E-mail:** midarc@hotmail.co.uk

MARCH 9-10

BASINGSTOKE, HANTS. Basingstoke & N Hants MRS MRE. Aldworth Science College, Western Way RG22 6HQ. **Time:** 1000-1700, Sat 1000-1600. **Admission:** Adult £6, Child £3, Family £12. **Tel:** 07904 231961. **Web:** www.basingstokemrs.org

KEIGHLEY. Keighley MRC MRE. University Academy, Greenhead Rd, Keighley BD20 6EB. **Time:** 1000-1630.

MACCLESFIELD, CHESHIRE. Macclesfield MRE. Tytherington School,

Manchester Rd, Macclesfield SK10 2EE. **Time:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £6. **E-mail:** queries@macclesfieldmrg.org.uk **Web:** www.macclesfieldmrg.org.uk

MARCH 10

STEYNING, W. SUSSEX. Wealden Railway Group Personal Layout Show. Coombe Court, The Steyning Centre, Fletchers Croft, Steyning BN44 3XZ. **Tel:** 07714 101015. **E-mail:** wealdenrailway.awk@gmail.com

MARCH 16

ABINGDON OXON. Abingdon & District MRC. Abingdon College OX14 1GG. **Time:** 1000-1700. **Admission:** Adult £8. **E-mail:** pthunt.mrc@outlook.com **Web:** www.admrc.org.uk

TADWORTH, SURREY. Tadworth MRE. The Good Shepherd Church Hall, Station Approach Road, Tadworth KT20 5AH. **Time:** 1000-1700. **Admission:** Adult £6, Concession £5, Child £3. **Tel:** 0775 8458827. **Web:** www.ndmrc.info

MARCH 16-17

LEAMINGTON SPA, WARKS. Midlands Garden Rail Show. The Warwickshire Event Centre, Fosse Way, nr Leamington Spa CV31 1XN. **Time:** 1000-1600 (both days). **Admission:** (Online/Door) Adult £8/£9, Senior £7/£8, Child £3/£4. **Web:** www.midlandsgardenrailshow.co.uk

NOTTINGHAM. Nottingham MRS. Highbank Community Centre, Farnborough Road, Clifton NG11 9DG. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £4, Child £1. **Web:** www.nottingham-modelrailway.org.uk

MARCH 17

SUDBURY, SUFFOLK. MRE. Acton Village hall, High Street, Acton, nr Sudbury CO10 0AT. **Time:** 1000-1600. **Admission:** Adult/Concession £3, Child £1. **Tel:** 07961 258299.

MARCH 23

TRIMLEY ST MARY, SUFFOLK. Felixstowe N Gauge MRG Open Day. The Welcome Hall, High Rd, Trimley St Mary IP11 0NT. **Time:** 1000-1600. **Tel:** 01349 277211. **Web:** www.felixstowengauge.org.uk

MARCH 23-24

GOOLE. Carlton Railway Society MRS. The Shire Hall, Market Place, Howden DN14 7BJ. **Time:** Sat 10-1700, Sun 1000-1600. **Admission:** Adult £5, Concession £4, Child £2. **Tel:** 01405 792476.

WILTON, SALISBURY. MRE. Michael Herbert Hall, South Street, Wilton, nr Salisbury SP2 0JS. **Time:** 1000-1700. **Admission:** Adult £4, Child £2. **Tel:** 01980 610346. **E-mail:** p.parrish324@btinternet.com

MARCH 30

BELPER, DERBYSHIRE. Belper MRG MRE. Strutts Centre, Derby Road, Belper DE56 1UU. **Time:** 1000-1630. **Admission:** Adult £4, Child £2. **Tel:** 07866 689004.

PROMOTE YOUR EVENT HERE

Model Rail is happy to accept details of club exhibitions for inclusion on this page free of charge on the understanding that details may be edited down to suit available space and that Model Rail and its staff are not held responsible for any errors, howsoever caused. Send your exhibition details to: Model Rail Exhibition Diary, Media House, Lynchwood, Peterborough Business Park, Peterborough PE2 6EA or e-mail jane.skinner@bauermedia.co.uk Entries for the April 2019 issue should reach us by February 25 2019.



Reserve your very own
GT3-English Electric gas
turbine now at:

[https://krmodels.co.uk/gt3-
gas-turbine](https://krmodels.co.uk/gt3-gas-turbine)

Fill in the details at the
bottom of the expression
of interest page.
(Deposits currently not
being taken)

DCC Ready

£185

DCC Sound

£275

Applies to both
N Gauge &
OO Gauge
(Shipping extra)

Locomotives and rolling stock you can only buy from your favourite magazine!

00
GAUGE

SENTINEL

Tooling exclusive
to *Model Rail*

MODEL RAIL/DAPOL SENTINEL 4wVBT

- ◆ Eight-pin DCC socket
- ◆ Detail differences for LNER 'Y1' and 'Y3'
- ◆ Limited to 250 pieces each

Only £87.00

£78.30 price for subscribers

* Pre-production models shown

**BUY
TODAY!**

MR-014
LNER 'Y1'
No. 68138, BR
unlined
black,
early
emblem



MR-015
LMS Sentinel No. 47182, BR unlined
black, British Railways lettering

MR-016
LNER 'Y3' No. 42, BR unlined
black, Engineer's Department
lettering (weathered)



**LIMITED TO 250
PIECES EACH**

**LAST
FEW!**



MR-017
Royal Engineers
Molly, WD khaki

**ALL
MODEL RAIL
SUBSCRIBERS
BENEFIT
FROM A 10%
DISCOUNT**

ORDER AT WWW.MODELRAILOFFERS.CO.UK OR 01209 613984

MODEL RAIL OFFERS

ORDER AT WWW.MODELRAILOFFERS.CO.UK OR 01209 613984

00 GAUGE BACHMANN CLASS 47/4 31-650R: 47475, BR PROVINCIAL SERVICES BLUE

- ◆ Directional lights
- ◆ 21-pin DCC socket
- ◆ Interior cab lighting
- ◆ Sprung buffers
- ◆ NEM coupler pockets
- ◆ Limited to 500 pieces

Price: **£110.00**

£99.00 price for subscribers



00 GAUGE HELJAN CLASS 33/0 34121: BRCW TYPE 3 D6510, BR GREEN, YELLOW WARNING PANEL

- ◆ DCC ready
- ◆ Eight-pin DCC socket
- ◆ Directional lights
- ◆ NEM coupler pockets
- ◆ Limited to 500 pieces

Price: **£110.00** £99.00 price for subscribers



00 GAUGE BACHMANN CLASS 66/032-725WDS: 66062, EURO CARGO RAIL MAROON/GOLD

- ◆ DCC sound on board!
- ◆ Modified front skirts with snowploughs
- ◆ Extra printed detail
- ◆ 21-pin DCC socket
- ◆ Sound-fitted
- ◆ Directional lights
- ◆ Interior cab lights
- ◆ Sprung buffers
- ◆ NEM coupler pockets
- ◆ Limited to 250 pieces



Price: **£261.95**

£235.75 price for subscribers

00 GAUGE BACHMANN 'PILLBOX' BRAKE VAN 38-404Z: SATLINK ZTR SR

- ◆ NEM coupler pocket
- ◆ Authentic Satlink decoration and number
- ◆ Limited to 500 pieces

Price: **£29.95**

£27.00 price for subscribers



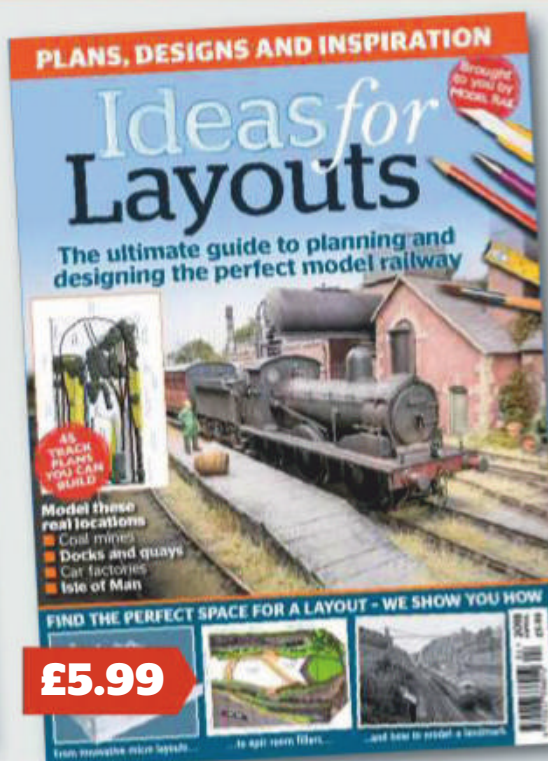
MODEL RAIL EXCLUSIVE PUBLICATIONS



£7.99

BRITAIN'S MODEL TRAINS 2019

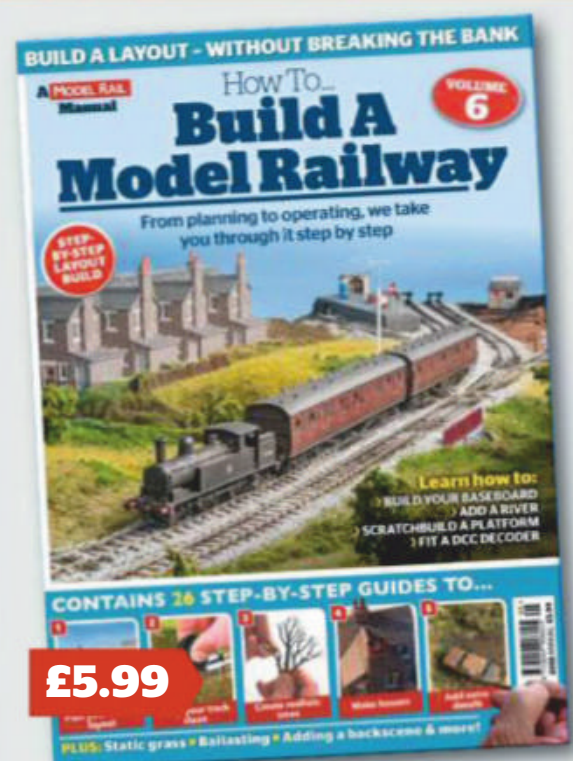
Our unique guide to British and Irish outline, ready-to-run locomotives, coaches and wagons is fully updated for 2019. Pre-order your copy today!



£5.99

IDEAS FOR LAYOUTS, VOLUME 4

Need inspiration? Look no further than *Ideas for Layouts*. Planning guru Paul A. Lunn has formulated 18 innovative concepts to suit all spaces and scales.



£5.99

HOW TO BUILD A MODEL RAILWAY, VOLUME 6

From planning your layout to operating it, this publication guides you through the process of building your model railway and is full of hints and tips.

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
MARCH
14

A 'Ribble' rubble masterpiece

Allen Pearson's 'N' gauge Ribblehead Viaduct layout was destroyed by a falling tree. Rather than rebuild it, he decided to model a different viaduct - and 'Chirk' is yet another miniature marvel. Read all about how he rose to this challenge in next month's issue.

CONTACT US

Media House, Lynchwood, Peterborough
Business Park, Peterborough PE2 6EA
E-mail: modelrail@bauermedia.co.uk

EDITORIAL

Telephone: 01733 468000
Editor: Richard Foster
Deputy Editor: George Dent
Consultant Editor: Chris Leigh
Staff Writer: Chris Gadsby
Model Consultant: Dave Lowery
Editorial Assistant: Jane Skinner
Art Editor: Matthew Hunt
Production Editor: Shane Collins
Sub Editor: Richard Hampson
Photography: Jacques Portal, Chris Nevard
Artist: Andrew Mackintosh

PRODUCTION

Telephone: 01733 468377
Print Production Manager: Richard Woolley
Advertising Production: Zoe Bellamy
Printed by: Wyndeham Southernprint,
Poole, Dorset BH16 5SN

ADVERTISING

Senior Sales Exec Display: Gemma Smith
01733 366379
Sales Exec Classified: Victoria Matthews
01733 366395
Group Advertisement Manager: Karen Gardiner
01733 366434

MARKETING

Telephone: 01733 468000
Marketing Manager: Holly Burdall
Direct Marketing Executive: Olivia Caouki
Head of Newstrade: Leon Benoiton
Newstrade Marketing: Christina Dillon

SUBSCRIPTIONS & BACK ISSUES

To ensure that you don't miss an issue and for the best subscription offers visit
www.greatmagazines.co.uk
For subscription or back issue queries please contact: CDS Global on
bauer@subscription.co.uk
Phone +44 (0) 1858 438884 (UK & overseas)
For binders call 01733 840111

H BAUER PUBLISHING

Managing Director: Nicola Bates
Editorial Director: June Smith-Sheppard
Digital Director: Charlie Calton-Watson
Group Direct Marketing Director: Kim Slaney
Finance Director: Lisa Hayden
Group Managing Director: Rob Munro-Hall
CEO: Paul Keenan

CHRIS NEVARD



From January-December 2017 *Model Rail* sold an average of 24,716 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 LPO03328, registered address Media House, Peterborough Business Park, Lynchwood, Peterborough PE2 6EA, VAT no. 918 5617 01.

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. Our e-mail address for editorial complaints covered by the Editorial Complaints Policy is complaints@bauermedia.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 H Bauer Publishing 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 to you. Finally, while every reasonable precaution is taken to ensure accuracy, H Bauer Publishing is not responsible for any errors or omissions, nor do we accept any liability for any loss or damage, howsoever caused, resulting from the use of the material.



NEVER
MISS AN
ISSUE!

Turn to page 22 for
details of our great
subscription
offer

PLUS
Don't forget the
next instalment of
Skills Station. [www.
model-rail.co.uk/
skills-station-qa](http://www.model-rail.co.uk/skills-station-qa)

Inspiration starts here!

Put the fun back into model railways as we explore, test and install the best products that move, light up and make noise - in short, everything you need to bring your layout to life.

Airbrushes.com

The Airbrush Company Ltd

iwata



IW-CM-C2-PLUS



Custom Micron
ABSOLUTE PRECISION™

究極の精度

*Every Custom Micron is custom-tuned
and hand-tested to meet Iwata's
rigorous performance standards for
superior atomisation.*



SPARMAX®

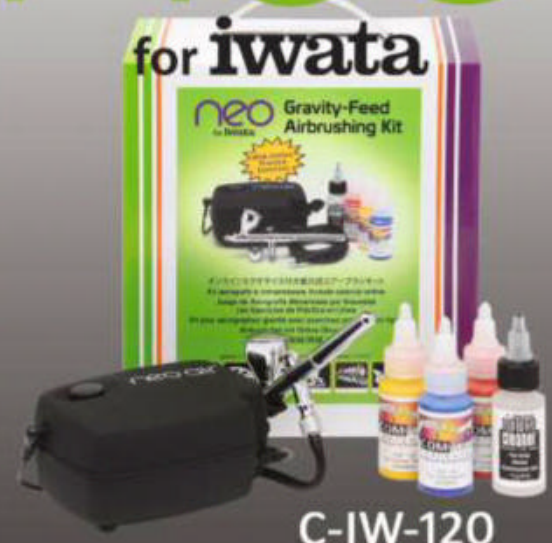


C-AR-MINI-KIT



LP05

neo



C-IW-120

LIQUID
PIGMENTS



aqua
line

LIFECOLOR
ACRYLIC HOBBY COLORS

DARKSTAR
METAL METALS

Alclad II

www.Airbrushes.com

01903 767800

sales@airbrushes.com



YOB Plasser 12t GPC Crane

No Jib Support

H4-GPC-001 DRP81504 in Plasser/BR yellow as built (1979 - 1990)

H4-GPC-002 DRP81523 in Plasser/BR yellow as built (1980 - 1990)

H4-GPC-003 DRP81508 in unbranded yellow (1979 - 2004)

H4-GPC-004 DRP81521 in unbranded yellow (1980 - 2011)

H4-GPC-005 DRP81527 in Jarvis yellow (1999 - 2011)

H4-GPC-009 DRP81519 in Balfour Beatty white and blue (1999 - Present)

H4-GPC-010 DRP81532 in Balfour Beatty white and blue (1999 - Present)

Narrow Jib Support

H4-GPC-006 DRP81514 in Jarvis/FastLine maroon (2004 - 2014)

Goalpost Jib Support

H4-GPC-007 DRP81524 in Carillion yellow (1999 - 2006)

H4-GPC-008 DRP81526 in GTRM yellow (2004 - 2008)

- Diecast Chassis
- NEM Couplings
- Metal Handrails
- RP25 Wheel Profile



Due in stock: Jan 2020

See the full list of specs and more at: www.hattons.co.uk/GPC

©Peter Groom



LMS Beyer-Garratt 2-6-0 0-6-2

H2-BG-001 4994 in LMS black

H2-BG-002 7983 in LMS black

H2-BG-003 47967 in BR black with "BRITISH RAILWAYS" lettering

H2-BG-004 47972 in BR black with LMS lettering and block-style numbers

H2-BG-005 47995 in BR black with number on cab and plain tanks

H2-BG-006 47996 in BR black with early emblem

H2-BG-007 47981 in BR black with early emblem

H2-BG-008 47992 in BR black with early emblem

Diecast Chassis • 5 Pole Motor
NEM Couplings • 18 Pin Socket



Due in stock: Jan 2020

See the full list of specs and more at: www.hattons.co.uk/NGarratt

Forthcoming Releases from Hornby & Dapol

All available to pre-order now at: www.hattons.co.uk



2019 Range Announcement - see details at www.hattons.co.uk/hornby2019

LMS Princess Royal 4-6-2

Pre-order from £171. DCC-fitted £184.50
Due in Stock November 2019



R3709 6201 "Princess Elizabeth" in LMS crimson lake
R3711 46206 "Princess Marie Louise" in BR express passenger blue
R3713 46207 "Princess Arthur of Connaught" in BR maroon

Class A1/A1X Terrier 0-6-0T

Pre-order from £81. DCC-fitted £99
Due in Stock May 2019



R3767 32655 in BR black with early emblem
R3768 32636 in BR black with late crest
R3780 655 "Stepney" in LBSCR improved engine green
R3781 5 "Rolvenden" in Kent and East Sussex Railway blue
R3782 751 in South Eastern and Chatham Railway green
R3783 2662 in Southern Railway olive green

Class 5101 'Large Prairie' 2-6-2T

Pre-order from £126. DCC-fitted £144
Due in Stock July to September 2019



R3719 4154 in GWR green
R3721 6110 in GWR green
R3723 6145 in BR black with early emblem
R3725 4160 in BR lined green with late crest

4wDM Ruston 48DS

Pre-order for £72.
Due in Stock July 2019



R3704 269595 in pale green
R3705 458957 in John Dewar and Sons red
R3706 Army 802 in War Department green
R3707 "Queen Anne" in Longmorn Distillery livery

Class B2 Peckett 0-6-0ST

Pre-order from £99. DCC fitted for £117
Due in Stock April 2019



R3693 No.4 "Sherwood" in Sherwood Colliery lined green
R3694 "Westminster" in Associated Portland Cement green
R3695 1455 in National Coal Board lined blue

Mk3 Sliding Door coaches

Pre-order for £31.50.
Due in Stock June to November 2019



36 versions now available to pre-order. Liveries include: GWR, ScotRail and Cross Country. Numerous vehicles types available to allow prototypical formations.

dapol Forthcoming Items

See the full range of forthcoming items from Dapol at www.hattons.co.uk/dapolpreorders

N Gauge

Class 50

Pre-order from £123.21
Due in Stock: March 2019



2D-002-000 D406 in BR blue - unrefurbished
2D-002-001 50043 in BR blue - unrefurbished
2D-002-002 50040 "Leviathan" in BR large logo blue
2D-002-003 50037 "Illustrious" in original Network SouthEast livery

Class 68

Pre-order from £108.79
Due in Stock: June 2019



2D-010-008 67006 "Royal Sovereign" in Royal Trail livery
2D-010-009 67027 "Charlotte" in Colas Rail Freight livery
2D-010-010 67021 in Belmond British Pullman umber and cream
2D-010-010 67029 "Royal Diamond" in DB silver

OO Gauge

Class 43xx GWR Mogul 2-6-0

Pre-order from £135.96
Due in Stock: TBC



4S-043-001 6336 in GWR green with Great Western lettering
4S-043-002 6385 in GWR green with shirtbutton emblem
4S-043-003 GWR green with BR smokebox numberplate
4S-043-004 7324 in BR black with early emblem
4S-043-005 6364 in BR lined green with early emblem
4S-043-006 7310 in BR lined green with late crest

Class 59

Pre-order from £124.43
Due in Stock: Feb/March 2019



4D-005-000 59002 "Alan J Day" in Foster Yeoman livery
4D-005-001 59103 "Village of Mells" in ARC livery
4D-005-002 59206 "John F Yeoman" in DB Schenker livery
4D-005-003 59204 "Vale of Glamorgan" in National Power livery

O Gauge

Class Y3 Sentinel 4wVB

Pre-order from £148.75
Due in Stock: June 2019



7S-005-001 42 in LNER black
7S-005-002 68163 in LNER black
7S-005-003 7164 in LMS black
7S-005-004 7160 in LMS black
7S-005-005 68164 in BR black with early emblem
7S-005-006 2 "Isebrook" in GWR green
7S-005-007 14 in National Coal Board livery

BR Mark 1 coaches

Pre-order for £169.15
Due in Stock: July 2019



BSK, SO, SK and CK coaches available in multiple liveries, including: BR crimson and cream, BR green, BR chocolate and cream, BR maroon and BR blue & grey.
All codes start 7P-001-XXX

Pre-orders accepted
via credit or debit card only
Pre-order prices subject to manufacturer RRP.

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Mk2F Aircon Coaches	hattons.co.uk/mk2f	from £46.71	Mar 2013							
Class 90	hattons.co.uk/c90	from £152.96	Jul 2014							
Class 117 DMU	hattons.co.uk/c117	£254.96	Sep 2015							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
YCV Turbot Ballast wagon	hattons.co.uk/tur	£21.21	Apr 2014							
N Gauge Class 142	hattons.co.uk/c142	from £115.18	Jan 2011							
Bogie Bolster 'E' wagon	hattons.co.uk/bolstere	£25.45	Sep 2018							
Class 59	hattons.co.uk/dapol59	from £124.43	Oct 2015							
GWR Class 43xx 2-6-0	hattons.co.uk/dapol43xx	from £135.96	Dec 2017							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Rail Head Treatment Train (RHTT)	hattons.co.uk/RHTT	from £118	Nov 2017							
FEA Intermodal Wagons	hattons.co.uk/FEA	from £32	Nov 2017							
Class 66	hattons.co.uk/66	from £150	May 2018							
O Gauge Class A3/A4	hattons.co.uk/recordbreakers	£750	Aug 2016							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
O Gauge Class 50 (Refurbished)	hattons.co.uk/hel50	£560	Apr 2017							
O Gauge Class 37/4	hattons.co.uk/hel374	£560	Nov 2017							
Class 86/0	hattons.co.uk/hel86	£145 (EST)	Nov 2018							
Class 25/3	hattons.co.uk/253	£129 (EST)	Jul 2018							
GWR AEC Railcar	hattons.co.uk/gwraec	£115 (EST)	Sep 2018							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Class A1/A1X Terrier 0-6-0T	hattons.co.uk/hornbyterrier	from £81	Jan 2019							
Peckett B2 Class 0-6-0ST	hattons.co.uk/peckettb2	from £89	Jan 2019							
4wDM Ruston & Hornsby 48DS	hattons.co.uk/ruston48ds	£72	Jan 2019							
LMS 'Princess Royal' 4-6-2	hattons.co.uk/princessroyal	from £171	Jan 2019							
GWR 'Large Prairie' 2-6-2T	hattons.co.uk/hornbyprairie	from £126	Jan 2019							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
GER/LNER Class N7 0-6-2T	hattons.co.uk/oxN7	from £87	Jan 2017							
BL 18" Howitzer Railgun	hattons.co.uk/railgun	from £42.50	Jan 2018							
LNER Class J27 0-6-0	hattons.co.uk/oxj28	from £94	Jan 2019							

 Shows the stage the project is at based on the information available to us. CAD: Computer Aided Design. 1st EP: First Engineering Prototype. TBC: Price is yet To Be Confirmed (EST): Price is estimated.

You can view extended lists, preorder & comment on all of these projects at

www.hattons.co.uk/projectupdates

Information correct at the time of going to press on 28/01/19.



17 Montague Road, Widnes, WA8 8FZ
T: 0151 733 3655 E: info@hattons.co.uk

OO Gauge (1:76 Scale) Steam locos



R3612 80th Anniversary of World Steam Record pack gold-plated Class A4 4468 "Mallard" and commemorative box set (Hor)£184



H4-AB14-004 Andrew Barclay 0-4-0ST 14" 1863 in Caledonian Railway lined blue (Hat)£99



H4-AB14-001 Andrew Barclay 0-4-0ST 14" 2047 '705' in BR black early crest (Hat)£99



H4-AB14-003 Andrew Barclay 0-4-0ST 14" 2134 "Coronation" in lined green (Hat)£99



H4-AB16-003 Andrew Barclay 0-4-0ST 16" 2226 "Katie" in lined maroon (Hat) (RRP £99)BARGAIN.....£89



J9410 Austerity 0-6-0ST No 15 in Wemyss Private Railway lined brown - Exclusive to Hattons (DJ) (RRP £95.50)BARGAIN . £69



J9409 Austerity 0-6-0ST No 7 in NCB Littleton Colliery lined blue - lightly weathered - Ltd Ed of 200 (DJ) (RRP £95.50)BARGAIN.....£79



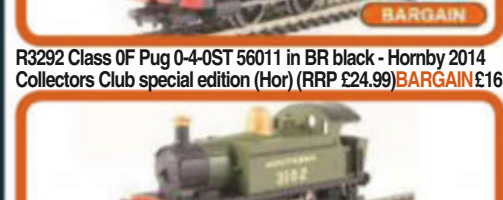
R3525 Battle of Britain Class (Air Smoothed) 4-6-2 S21C159 "Sir Archibald Sinclair" in British Railways malachite green (Hor) .. £149



R2672 Class 0F Pug 0-4-0ST 272 in Caledonian Railway blue - Railroad range (Hor) (RRP £28.49)BARGAIN . £17



R3292 Class 0F Pug 0-4-0ST 56011 in BR black - Hornby 2014 Collectors Club special edition (Hor) (RRP £24.99)BARGAIN£16



R3213 Class 101 Holden 0-4-0T 3102 in SR Olive Green - Hornby 2013 Collectors club limited edition (Hor) (RRP £24.99)BARGAIN.....£16



K2205 Class 136F 0-6-0ST 1365 BR black late crest - heavily weathered (DJ)£124.99



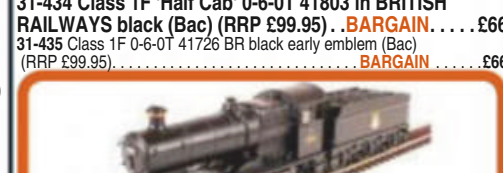
H1415 Class 14xx 0-4-2T 1432 in BR Lined green late crest - Heavily weathered (DJ) (RRP £99)BARGAIN .£74



H1409 Class 14xx 0-4-2T 1470 in BR Lined black early emblem (DJ) (RRP £99)BARGAIN.....£74



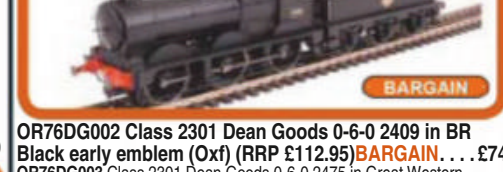
31-434 Class 1F 'Half Cab' 0-6-0T 41803 in BRITISH RAILWAYS black (Bac) (RRP £99.95)BARGAIN.....£66



31-435 Class 1F 0-6-0T 41726 BR black early emblem (Bac) (RRP £99.95)BARGAIN.....£66



32-301A Class 2251 0-6-0 Collett Goods 3212 in BR black early emblem and Collett tender (Bac) (RRP £114.95)BARGAIN.....£78



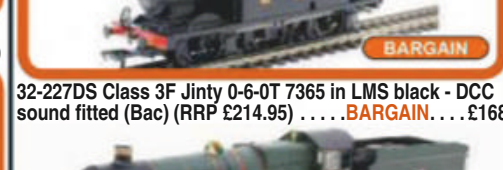
OR76DG002 Class 2301 Dean Goods 0-6-0 2409 in BR Black early emblem (Oxf) (RRP £112.95)BARGAIN.....£74



OR76DG003 Class 2301 Dean Goods 0-6-0 2475 in Great Western green (Oxf) (RRP £112.95)BARGAIN.....£74



31-127 Class 30xx 2-8-0 ROD 3023 in BR black early emblem (Bac) (RRP £129.95)BARGAIN.....£59



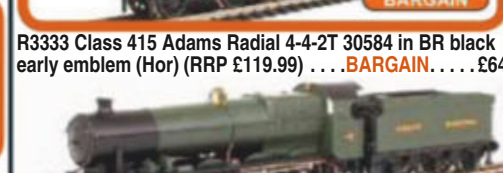
32-227DS Class 3F Jinty 0-6-0T 7365 in LMS black - DCC sound fitted (Bac) (RRP £214.95)BARGAIN.....£168



R3619 Class 4073 'Castle' 4-6-0 5013 "Abergavenny Castle" in BR green late crest (Hor)£144



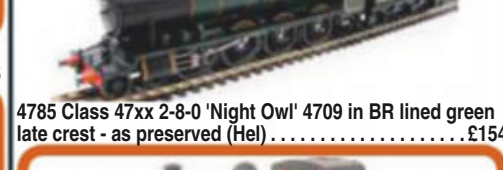
R3334 Class 415 Adams Radial 4-4-2T 30582 in BR black late crest (Hor) (RRP £119.99)BARGAIN.....£59



R3333 Class 415 Adams Radial 4-4-2T 30584 in BR black early emblem (Hor) (RRP £119.99)BARGAIN.....£64



4781 Class 47xx 2-8-0 'Night Owl' 4705 in GWR green Great Western lettering (Hel)£154



4785 Class 47xx 2-8-0 'Night Owl' 4709 in BR lined green late crest - as preserved (Hel)£154



H1403 Class 48xx 0-4-2T 4871 in GWR Unlined green Shirtbutton logo - Lightly weathered (DJ) (RRP £99)BARGAIN.....£89



R3170 Class 49xx 4-6-0 4901 "Adderley Hall" in GWR Green - Railroad range (Hor) (RRP £94.99)BARGAIN .£49

32-580A Class 4MT Ivatt 2-6-0 43014 in BR black late crest - weathered (Bac) (RRP £144.95)BARGAIN.....£108
31-169 Class 5 L&YR 2-4-2T 50705 in BR black early emblem (Bac) (RRP £114.95)BARGAIN.....£65



32-078 Class 56xx 0-6-2T 5637 in GWR green (Bac) £97.71



H1411 Class 58xx 0-4-2T 5801 in BR Unlined green G W R lettering - Lightly weathered (DJ) (RRP £99)BARGAIN £74



31-690 Class 5P4F Stanier Mogul 2-6-0 2965 in LMS lined black (Bac) (RRP £159.95)BARGAIN.....£106



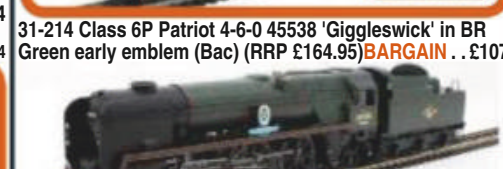
31-692 Class 5P4F Stanier Mogul 2-6-0 42968 in BR lined black late crest (Bac) (RRP £159.95)BARGAIN.....£112



31-210K Class 6P 'Patriot' 4-6-0 45506 "The Royal Pioneer Corps" in BR black - Ltd Ed for Bachmann Collectors Club (Bac) (RRP £164.95)BARGAIN.....£114



31-214 Class 6P Patriot 4-6-0 45538 'Giggleswick' in BR Green early emblem (Bac) (RRP £164.95)BARGAIN . £107



R3618 Class 7P6F Rebuilt Battle of Britain 4-6-2 34050 "Royal Observer Corps" in BR green late crest (Hor) £144



R3682 Class 8P 'Princess Coronation' 4-6-2 46225 "Duchess of Gloucester" in BR express passenger blue (Hor) .. £184.50



R3681 Class 8P 'Princess Coronation' 4-6-2 6241 "City of Edinburgh" in LMS post-war lined black (Hor) ... £184.50



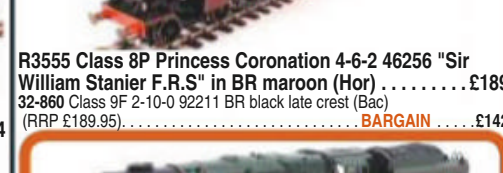
R3623 Class 8P 'Streamlined Coronation' 4-6-2 6221 "Queen Elizabeth" in LMS coronation blue (Hor) £171



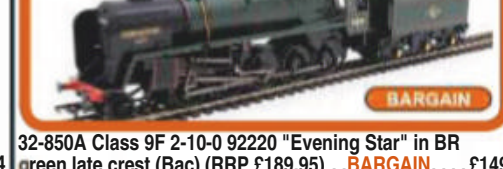
R3555 Class 8P Princess Coronation 4-6-2 46256 "Sir William Stanier F.R.S" in BR maroon (Hor)£189



32-860 Class 9F 2-10-0 92211 BR black late crest (Bac) (RRP £189.95)BARGAIN.....£142



32-850A Class 9F 2-10-0 92220 "Evening Star" in BR green late crest (Bac) (RRP £189.95)BARGAIN.....£149



R3439 Class A1 4-6-2 2554 "Woolwinder" in LNER apple green - gloss finish (Hor)£132.50



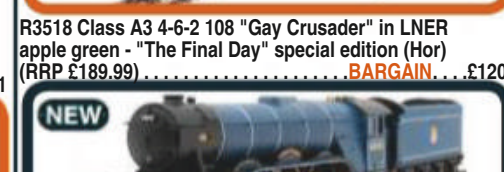
31-531 Class A2 4-6-2 60536 "Trimbrush" in BR lined green early emblem (Bac) (RRP £179.95)BARGAIN .£111



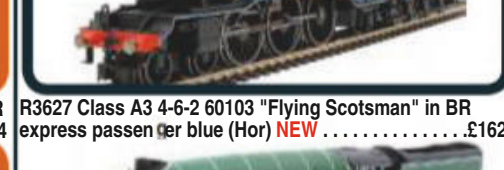
OR76N7001 Class N7 0-6-2T 1002 in Great Eastern Railway wartime grey (Oxf) NEW£87



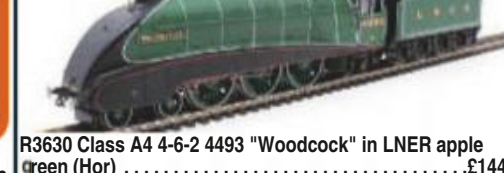
R3518 Class A3 4-6-2 108 "Gay Crusader" in LNER apple green - "The Final Day" special edition (Hor) (RRP £189.99)BARGAIN.....£120



R3627 Class A3 4-6-2 60103 "Flying Scotsman" in BR express passenger blue (Hor) NEW£162



R3630 Class A4 4-6-2 4493 "Woodcock" in LNER apple green (Hor)£144



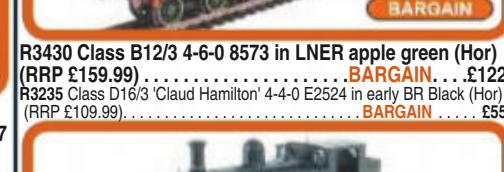
R3676 Class A4 4468 "Mallard" in LNER garter blue - as preserved (Hor)£152



R3430 Class B12/3 4-6-0 8573 in LNER apple green (Hor) (RRP £159.99)BARGAIN.....£122



R3235 Class D16/3 'Claud Hamilton' 4-4-0 E2524 in early BR Black (Hor) (RRP £109.99)BARGAIN.....£55



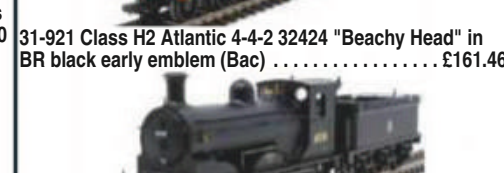
35-077 Class E4 Brighton tank 0-6-2T 32556 in BR black early emblem (Bac) (RRP £109.95)BARGAIN.....£76



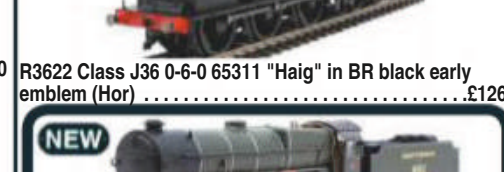
31-481 Class G2A Super D 0-8-0 49106 BR black early emblem - weathered (Bac)£114.71



31-921 Class H2 Atlantic 4-4-2 32424 "Beachy Head" in BR black early emblem (Bac)£161.46



R3622 Class J36 0-6-0 65311 "Haig" in BR black early emblem (Hor)£126



R3634 Class LN 'Lord Nelson' 4-6-0 851 "Sir Francis Drake" in Southern Railway olive green (Hor) NEW .. £153



R3531 Class M7 0-4-4T 30129 in BR black late crest (Hor) . £132



32-166 Class N 2-6-0 1406 in Southern Railway black (Bac) (RRP £159.95)BARGAIN.....£108



32-165 Class N 2-6-0 31874 in BR lined black early emblem (Bac) (RRP £159.95)BARGAIN.....£110



OR76N7001 Class N7 0-6-2T 1002 in Great Eastern Railway wartime grey (Oxf) NEW£87



OR76N7001 Class N7 0-6-2T 1002 in Great Eastern Railway wartime grey (Oxf) NEW£87



**UK P&P £4 per order
£2 per single diecast item
£7 guaranteed Next Day delivery
(Orders before 2pm)**



3911 Class O2/3 Tango 2-8-0 63954 in early British Railways black stepped tender (Hel) (RRP £184.95) **BARGAIN** £84



3922 Class O2/4 Tango 2-8-0 63975 in BR black late crest flush tender (Hel) (RRP £184.95) **BARGAIN** £84



3923 Class O2/4 Tango 2-8-0 63982 in BR black late crest flush tender (Hel) (RRP £184.95) **BARGAIN** £84



3921 Class O2/4 Tango 2-8-0 63983 in BR black early emblem flush tender (Hel) (RRP £184.95) **BARGAIN** ... £89



R3560 Class Q1 0-6-0 33032 in BR black late crest (Hor) £104
R3541 Class Q6 Raven 0-8-0 2265 in LNER black pre-war lettering (Hor) (RRP £160.99) **BARGAIN** £109



R3615 Class W4 Peckett 0-4-0ST 560 in Peckett works leaf green builders lettering (Hor) £90



R3550 Class W4 Peckett 0-4-0ST 883 in Lilleshall Co (Hor) £99.99



R3420 Drummond Class 700 0-6-0 30346 in BR black late crest (Hor) (RRP £124.99) **BARGAIN** £59



R3421 Drummond Class 700 0-6-0 30698 in BR Black early emblem (Hor) (RRP £124.99) **BARGAIN** £59



R3419 Drummond Class 700 0-6-0 693 in Southern Railway black (Hor) (RRP £124.99) **BARGAIN** £69



R3360 Freelance 0-4-0T 87 "Mosley Tarmacadam" in black - Railroad Range (Hor) (RRP £34.99) **BARGAIN** .. £16
35-050 LNWR 0-6-2T Webb Coal tank 1054 in LNWR plain black - as preserved (Bac) (RRP £119.95) **BARGAIN** £83



35-052 LNWR 0-6-2T Webb Coal tank 58900 in BR black early emblem (Bac) (RRP £119.95) **BARGAIN** £87



R3524 Rebuilt 'West Country' 4-6-2 34096 "Trevone" in BR green late crest (Hor) (RRP £174.99) **BARGAIN** ... £136



H4-P-001 SECR P Class 0-6-0T 178 in SE&CR full lined green (with brass) (Hat) £99



H4-P-015 SECR P Class 0-6-0T 27 in SE&CR full lined green (with polished brass) (Hat) £99



H4-P-012 SECR P Class 0-6-0T 323 "Bluebell" in Bluebell Railway lined blue (2010s) (Hat) £99



31-981 Standard Class 3MT tank 82021 in BR lined black early emblem (Bac) £98



32-359A Standard Class 4MT 2-6-4T 80092 in BR black early emblem (Bac) (RRP £139.95) **BARGAIN** £92



R3500 The Sir Nigel Gresley Collection (Hor) (RRP £549.99) **BARGAIN** £474



R9287 Thomas and Friends - 0-6-0T No.1 Thomas the Tank Engine (Hor) £36



32-250A WD Austerity 2-8-0 79250 "Major-General Mc Mullen" in Longmoor Military Railway blue (Bac) (RRP £169.95) **BARGAIN** £115

Diesel locos



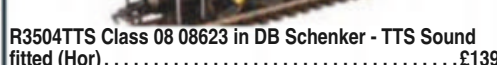
2503 Class 05 Hunslet shunter "Cider Queen" in green wasp stripes (Hel) (RRP £129.95) **BARGAIN** £59



2930 Class 07 shunter 07001 in Harry Needle Railroad Company - Exclusive to Hattons Model Railways (Hel) (RRP £139) **BARGAIN** £95



2903 Class 07 shunter 07010 in BR blue wasp stripes (Hel) (RRP £139) **BARGAIN** £101



R3504TTS Class 08 08623 in DB Schenker - TTS Sound fitted (Hor) £139



32-119 Class 08 Shunter 08907 in DB Schenker red (Bac) (RRP £124.95) **BARGAIN** £71
4D-012-004D Class 22 D6325 in BR green no yellow panels and disc headcodes - DCC fitted (Dap) £146.91



3446 Class 33/1 D6580 in BR green small yellow ends (Hel) £118.96



3530 Class 35 'Hymek' 35017 "Williton" in Civil Engineers 'Dutch' - as preserved (Hel) **NEW** £110.46



3529 Class 35 'Hymek' 7001 in BR blue - weathered (Hel) **NEW** £118.96



3528 Class 35 'Hymek' D7004 in BR blue small yellow panels (Hel) **NEW** £110.46



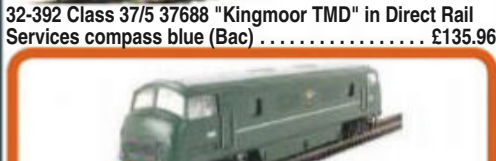
3526 Class 35 'Hymek' D7015 in BR green no yellow ends (Hel) **NEW** £110.46



3527 Class 35 'Hymek' D7088 in BR green small yellow panels (Hel) **NEW** £110.46



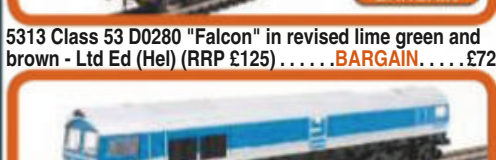
32-377A Class 37/4 37401 "Mary Queen Of Scots" BR large logo blue (Bac) £117.26



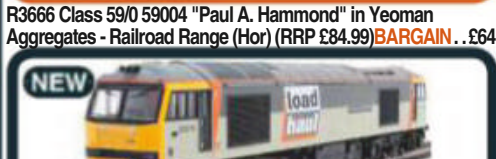
32-376A Class 37/4 37422 "Robert F. Fairlie" in Regional Railways - weathered (Bac) (RRP £169.95) **BARGAIN** £102



32-392 Class 37/5 37688 "Kingmoor TMD" in Direct Rail Services compass blue (Bac) £135.96



R3491 Class 42 Warship D805 "Benbow" in BR green - Railroad Range (Hor) (RRP £64.99) **BARGAIN** .. £34.50



5310 Class 53 D0280 "Falcon" in original lime green and brown - Ltd Ed (Hel) (RRP £125) **BARGAIN** £72



R3666 Class 59/0 59004 "Paul A. Hammond" in Yeoman Aggregates - Railroad Range (Hor) (RRP £84.99) **BARGAIN** .. £64



R3657 Class 60 60070 "John Loundon McAdam" in LoadHaul triple grey (Hor) **NEW** £162



32-737 Class 66 66065 in EWS DB Schenker branding - weathered (Bac) (RRP £154.95) **BARGAIN** £124



R3659 Class 67 67027 "Charlotte" in Colas Rail Freight (Hor) £144
4D-022-008D Class 68 68003 "Astute" in Direct Rail Services compass - DCC fitted (Dap) (RRP £177.84) **BARGAIN** £134



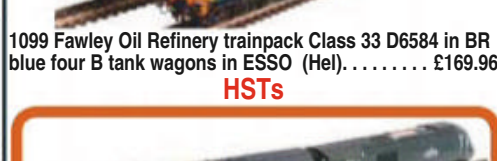
31-590 Class 70 70015 in Freightliner air intake modifications (Bac) (RRP £169.95) **BARGAIN** £133



OLIV002 Class 73/2 73205 "Jeanette" in GB Railfreight blue - Olivias Trains limited edition (Dap) (RRP £140) **BARGAIN** £84



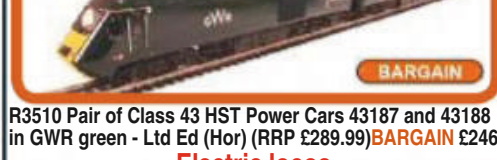
4000 Hawker Siddeley Brush HS4000 "Kestrel" prototype diesel electric loco (Hel) (RRP £155) **BARGAIN** £129



32-993 Type 27 Wickham Trolley and trailer MPP0007 in BR engineers yellow wasp stripes (Bac) (RRP £79.95) **BARGAIN** £55



1099 Fawley Oil Refinery trainpack Class 33 D6584 in BR blue four B tank wagons in ESSO (Hel) £169.96



R3685 Pair of Class 43 HST Power Cars 43041 "Meningitis Trust Support for Life" and 43005 in GWR green (Hor) (RRP £289.99) **BARGAIN** £229



R3602TTS Pair of Class 43 HST Power Cars 43078 and 43079 in Intercity Swallow - TTS sound fitted (Hor) £239



R3510 Pair of Class 43 HST Power Cars 43187 and 43188 in GWR green - Ltd Ed (Hor) (RRP £289.99) **BARGAIN** £246



R3373 Class 71 E5001 in BR Green (Hor) (RRP £170.99) **BARGAIN** £101



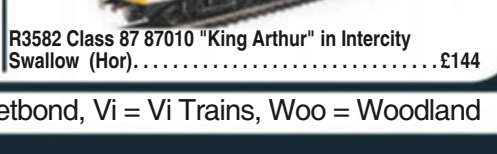
0071-004HAT Class 71 E5013 in BR Blue full Golden Arrow headboards, arrows and flags pre-fitted - Exclusive to Hatton's (DJ) (RRP £139.95) **BARGAIN** .. £96



0071-002HAT Class 71 E5015 in BR Southern Region light green full Golden Arrow headboards, arrows and flags pre-fitted - Exclusive to Hatton's (DJ) (RRP £139.95) **BARGAIN** .. £99



7704 Class 77 EM2 Woodhead electric 27001 "Ariadne" in BR green - Ltd Ed for Olivias Trains (Hel) (RRP £165) **BARGAIN** £99



7702 Class 77 EM2 Woodhead electric 27004 "Juno" in BR electric blue - Ltd Ed for Olivias Trains (Hel) (RRP £165) **BARGAIN** £99

7706 Class 77 EM2 Woodhead electric 27006 "Pandora" in BR electric blue - Ltd Ed for Olivias Trains (Hel) (RRP £165) **BARGAIN** £109

R3582 Class 87 87010 "King Arthur" in Intercity Swallow (Hor) £144

Visit

www.hattons.co.uk/new

for all new releases



R3580 Class 87 87035 'Robert Burns' in BR Blue (Hor) .£144



9002 Metropolitan Bo-Bo electric 1 in London Transport wartime grey (Hel) (RRP £139.95)BARGAIN.£64

DMUs



4D-009-HAT01 Class 121 single car DMU 'Bubblecar' 120 in 'GWR 150' chocolate and cream - Hatton's limited edition (Dap) (RRP £129.95)BARGAIN.£105



4D-009-HAT02 Class 121 single car DMU 'Bubblecar' 121032 in Arriva Trains Wales - Hatton's limited edition (Dap) (RRP £129.95)BARGAIN.£105



4D-009-001 Class 121 single car DMU 'Bubblecar' W55020 in BR green speed whiskers (Dap) (RRP £145)BARGAIN. . .£109



4D-009-002 Class 121 single car DMU 'Bubblecar' W55028 in BR green small yellow panels (Dap) (RRP £145)BARGAIN £109
8920 Class 128 parcels DMU 55991 in BR blue yellow ends "Parcels Service" branding (Hel) (RRP £119.95)BARGAIN£50



8940 Class 128 parcels DMU M55993 in BR Blue full yellow ends and flush fronts (Hel) (RRP £119.95)BARGAIN£59
R3662 Class 153 single car DMU 153368 in GWR green (Hor) NEW. £99

EMUs



R3606 5-BEL Pullman Brighton Belle EMU end vehicles in Pullman umber and cream small yellow panels (Hor) . .£160



R4871 Pack of three centre coaches for 5-BEL Brighton Belle in Pullman umber and cream (Hor) (RRP £179.99)BARGAIN. .£132

Track Maintenance vehicles



B800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap)£64

Train sets - analogue



R1151 Caledonian Belle starter trainset 0-4-0 steam loco in blue 4 wheel coach & open wagon (Hor) (RRP £49.99)BARGAIN.£45



R1176 Class 373 'Eurostar' Train Set (Hor)£118



R1167 Flying Scotsman Train Set 3 x LNER coaches (loco has 3-pole motor) (Hor)£130

Train sets - digital



R1173 e-Link DCC Western Master train set GWR Class 2721 steam loco & 3 wagons (Hor)£130



R1172 e-Link Majestic digital train set Class A1 4-6-2 in BR blue and Class 47 diesel (Hor) (RRP £299.99)BARGAIN. £250



R1125 Somerset Belle train set Class 3F 0-6-0 S&DJR 0-6-0 steam loco & 3 wagons - DCC control (Hor) (RRP £210.99)BARGAIN.£130



R1184 Western Express digital train set eLink TTS sound Hall steam loco (Hor) (RRP £329.99) . . .BARGAIN. . .£199

Coaches



39-576 Hawksworth A38 Auto-trailer W228W in BR maroon (Bac) (RRP £68.95)BARGAIN. . .£48



R4873 LMS Stanier Period III coaches in LMS Coronation Scot crimson lake - pack of three - Railroad Range (Hor) £64



R4817A Maunsell restaurant kitchen and dining car S7858S in BR green (Hor) NEW.£43.50



39-261B Mk1 RMB Miniature Buffet W1816 in BR Maroon (Bac) (RRP £47.95)BARGAIN. . .£31



39-050D Mk1 SO second open M4243 in BR blue and grey (Bac) (RRP £47.95)BARGAIN. . .£35



R4630 Mk1 TSO tourist second open W3796 in BR chocolate & cream - Railroad range (Hor) (RRP £22.99)BARGAIN .£12



R4623 Mk2E FO first open W3244 in BR blue and grey - Railroad range (Hor) (RRP £25.99)BARGAIN. . .£12
39-650DC Mk2F 'Aircor' FO first open in BR blue and grey - DCC fitted interior lighting (Bac)£67.96



OR763CO001 Mk3a CO composite open SC11907 in ScotRail (Oxf) NEW£29



OR763FO005 Mk3a FO first open SC11005 in ScotRail (Oxf) NEW£29
OR763TO001B Mk3a TSO second open M12068 in BR blue and grey (Oxf) £29



OR763TO001 Mk3a TSO tourist second open M12056 in BR blue and grey (Oxf)£29



R4660 Pullman Third Class Kitchen Car- K-Type Pullman Car (Hor) (RRP £49.99)BARGAIN. . .£30

Wagons



37-806 12 ton ventilated van in British Army green (Bac)£16.96



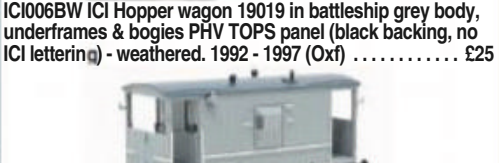
R6888TTS 4-wheel 10 ton vent van in BR bauxite - TTS sound fitted (Hor)£36



R6365 Breakdown Crane pack 20-ton brake van and 8-plank open wagon - Railroad Range (Hor) (RRP £32.99) . . .BARGAIN. .£14.50



4F-026-013 HIA aggregate limestone hopper 369006 in Freightliner green (Dap)£22.52
4F-026-014 HIA aggregate limestone hopper 369012 Freightliner green (Dap)£22.52



ICI006BW ICI Hopper wagon 19019 in battleship grey body, underframes & bogies PHV TOPS panel (black backing, no ICI lettering) - weathered. 1992 - 1997 (Oxf)£25



R6834 LNER 20 ton 'Toad E' brake van E175712 in BR grey (Hor)£19.80



R6887 PTA 102 ton bogie wagon PR26552 in Yeoman Aggregates grey - Railroad Range (Hor)£15



OR76WV006B Warwell Sherman Tank - weathered (Oxf) £34
4F-043-003 YCV 'Turbot' bogie ballast wagon DB978309 EWS maroon (Dap) NEW£21.21

4F-043-001 YCV 'Turbot' bogie ballast wagon DB978363 in EWS maroon (Dap)£21.21

Analogue controllers

36-565 Power Controller (0.7amp) transformer plug and track connections for OO, HO, N and OO9 scales (Bac)£42.46

Digital control accessories

R8232 DCC Electro point clips (20 in a pack - 2 used per point) (Hor) (RRP £6.99)BARGAIN£3

Point motors

R8014 Mark 2 Point Motor (Hor) (RRP £9.99)BARGAIN . . .£5
R8243 Surface Mounted point motor (Hor)£8.50

Switches and levers

R044 Passing contact lever frame switch (for point motors) (Hor) (RRP £11.99)BARGAIN£6

Lighting equipment

CL2 Standard Coach Lighting Strips - Warm White (Tra)£17.50

Cables & Wires

PL-80 Power feed joiners - Code 100/124 (x4 pairs) (Pec)£6

Model railway spares

SL-110 Finescale rail joiners/fishplates (for code 70, 75 & 83) for OO & HO gauge - Pack of 24 (Pec)£2
SL-11 Insulated rail joiners/fishplates (for OO, HO & O gauge code 100 rails incl. Hornby, Peco & Peco Streamline) - Pack of 12 (Pec)£2
SL-10 Metal rail joiners/fishplates (for code 100 rails incl. Hornby, Peco & Peco Streamline) - For OO, HO & O gauge - Pack of 24 (Pec)£2.20
19KADEE NEM362 Kadee coupling - Long (10.76mm) - Pack of four (Kad) . £5
18KADEE NEM362 Kadee coupling - Medium (8.63mm) - Pack of four (Kad) £5
R8087 Track Cleaning Rubber (Hor) (RRP £2.49)BARGAIN . .£1

Buildings - railways

R8000 Complete station kit platforms, fencing and station building (Hor) (RRP £29.99)BARGAIN . . .£19.50
LK-20X Double length overall arched station roof (Pec)£22.50



PO313 Double track brick built engine shed - card kit (Met)£19.50
PO340 Two-bay platform canopy - card kit (Met)£13.50

Man-made scenic structure - railway-related



89121 27.4 metre (90ft) Motorised turntable - ready for installation. For HO/OO scales. DCC ready (Hel) . . .£210
LK-55 76ft Well type turntable (Pec)£41



R083 Box of 6 Buffer Stop (Hor)£9.50
R083 Single (Hor)£1.80
R636 Double track level crossing (Hor) (RRP £28.99)BARGAIN .£14

Signals



DCD-MGS-BR 2-aspect Red/White LMS and BR-style ground signal Alpha Mimic control board - Pack of 12 (DCC) (RRP £99.95)BARGAIN. . .£69
SS3 Sensor Signal - 3 Aspect Home (Tra)£36
4L-001-001 Signal - Motorised, Square post GWR home lower quadrant (OOSIGN1) (Dap)£25

Buildings - general



99660 Art Deco Bus Garage and bus (EFE)£72.21

Track - Code 100 Setrack

R605 1st radius double curve (8 make a circle) (Hor)£2.50
R605 Circle of 8 (Hor)£18
R607 2nd radius double curve track (8 make a circle) (Hor)£2.50
R607 Circle of 8 (Hor)£18
ST-206 2nd radius Double Curve Track (ST-226 x 4) (Pec)£10
R609 3rd radius double curve track (8 make a circle) (Hor)£2.60
R609 Circle of 8 (Hor)£20
R8262 Double 4th radius curve (8 make a circle) (Hor)£3
R601 Double Straight (Hor)£2
R601 Box of 24 (Hor)£47



R070 Electrically Operated Turntable (Hor)£64

R8222 Extension Pack B. Contains 1 x R8073, 2 x R600, 4 x R607, 1 x R606, 1 x R083 (Hor)£26
R8223 Extension Pack C. Contains 1 x R8073, 2 x R600, 4 x R607, 1 x R606 (Hor)£24.50
R8224 Extension Pack D. 1 x R8072, 3 x R605, 1 x R608, 1 x R636, 1 x R083 (Hor)£41.50
R8077 Left hand Express point (Hor)£14.50
R8072 Left Hand Standard Point (Hor)£9.50
R603 Long Straight - 670mm (Hor)£3.70
R8075 Right hand curved point (Hor)£14
R8078 Right hand Express point (Hor)£14.50
R8073 Right Hand Standard Point (Hor)£9.50
36-873 Right-Hand non-isolating Standard Point (Bac) (RRP £9.95)BARGAIN. .£6
ST-245 Setrack curved double radius left handed point insulfrog (Pec) . .£14.50
ST-244 Setrack curved double radius right handed point insulfrog (Pec) .£14.50
ST-241 Setrack No.2 radius left handed point insulfrog (Pec) . . .£9
ST-240 Setrack No.2 radius right handed point insulfrog (Pec) . . .£9
ST-204 Setrack Quad Straight (670mm) (Pec)£3.50
ST-204 Box of 24 (Pec)£76
R610 Short Straight (Hor)£1.20
R621 Single 970mm length of flexible track (Hor)£3
R621 Pack of 24 (Hor)£66
R600 Standard Straight (Hor)£1.50
R600 Box of 24 (Hor)£34



Prices valid until 13/03/19

All prices correct
when going to press.
Errors excepted.

Track - Code 100 Streamline



SL-100 Pack of 25 1 yard (91.5cm) length of Code 100
Wooden-sleeper nickel silver flexible track (Pec) . . . £66
SL-100 Single (Pec) . . . £3
SL-102 1 yard (91.5cm) length of Nickel Silver concrete-sleeper flexible
track (Pec) . . . £3
SL-102 Pack of 25 (Pec) . . . £70
SL-99 3 way medium radius point - insulfrog (Pec) . . . £27
SL-90 Double slip - insulfrog (Pec) . . . £33



SL-E87 Left hand curved point - electrofrog (Pec) . £12.50
SL-89 Left hand large point - insulfrog (Pec) . . . £12



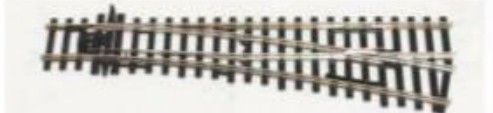
SL-E96 Left hand medium point - electrofrog (Pec) £10.50
SL-96 Left hand medium point - insulfrog (Pec) . . . £10.50



SL-E92 Left hand small point - electrofrog (Pec) . . £9.50
SL-92 Left hand small point - insulfrog (Pec) . . . £9.50
SL-88 Right hand large point - insulfrog (Pec) . . . £12



SL-E95 Right hand medium point - electrofrog (Pec) . £10.50
SL-95 Right hand medium point - insulfrog (Pec) . . . £10.50



SL-E91 Right hand small point - electrofrog (Pec) . . £9.50
SL-91 Right hand small point - insulfrog (Pec) . . . £9.50

Track - Code 75 Finescale



SL-102F Pack of 25 1 yard (91.5cm) length of finescale
Nickel Silver concrete-sleeper flexible track. (Pec) . . £82
SL-102F Single (Pec) . . . £3.30



SL-100F Pack of 25 1 yard (91.5cm) length of Nickel
Silver Finescale flexible track (Pec) . . . £72
SL-100F Single (Pec) . . . £3



SL-E190 Finescale double slip - electrofrog (Pec) . . £38



SL-E189 Finescale left hand large point electrofrog (Pec) £12.50



SL-E196 Finescale left hand medium point -
electrofrog (Pec) . . . £11.50



SL-E192 Finescale left hand small point -
electrofrog (Pec) . . . £10.50



SL-E188 Finescale right hand large point -
electrofrog (Pec) . . . £12.50



SL-E195 Finescale right hand medium point -
electrofrog (Pec) . . . £11.50



SL-E191 Finescale right hand small point -
electrofrog (Pec) . . . £10.50
SL-U1189 Left hand large radius bullhead rail point - unifrog (Pec) . . £26
SL-U1188 Right hand large radius bullhead rail point - unifrog (Pec) . . £26

Railway publications

R8157 Hornby 2019 Catalogue - 65th Edition (Hor) **NEW** . . . £8.50

Buses



76BI004 Beadle Integral Southdown (Oxf) . . . £16
OM46713B Wright Eclipse II - Transdev - "The Shuttle" 662 Bradford via
Bingley (Cor) **NEW** . . . £33

Commercial vehicles



76D28003 DAF 3300 Short Van Trailer - "Pollock" (Oxf)
NEW . . . £19.50



76MB008 Mercedes Actros SSC Tipper Ronnie S
Evans (Oxf) **NEW** . . . £21.50

Tools

SL-43 Loco Lift and storage unit (Pec) . . . £12

N Gauge Steam locos



2S-007-010 Class 57xx Pannier 0-6-0 8700 in GWR green
shirtbutton emblem (Dap) . . . £72



2S-008-011 Class A4 4-6-2 2512 "Silver Fox" in LNER
grey valances (Dap) . . . £128.83



2S-008-008 Class A4 4-6-2 4468 "Mallard" in LNER garter
blue valances (Dap) . . . £128.83

Steam train packs



2S-011-005 Class A3 4-6-2 4472 "Flying Scotsman" in
LNER apple green (as preserved) four Gresley teak
coaches in maroon - light bar fitted (Dap) . . . £198.90

Diesel locos



371-471 Class 37/0 37261 in Direct Rail Services
blue (Gra) . . . £114.71



2D-010-007 Class 67 67005 "Queen's Messenger" in
Royal Train claret DB logos (Dap) . . . £104.67

HSTs



2D-019-006 Class 43 HST 4-car book set in East Coast
silver (Dap) . . . £160.89



2D-019-008 Class 43 HST 4-car book set in GNER
blue (Dap) . . . £160.89



2D-019-009 Class 43 HST 4-car book set in GWR
Green (Dap) . . . £160.89

DMUs



ND116E Class 142 'Pacer' 2 car DMU 142021 in Tyne and
Wear PTE (Dap) **NEW** . . . £115.18



ND116C Class 142 'Pacer' 2 car DMU 142025 in Northern
Spirit (Dap) **NEW** . . . £115.18



ND116B Class 142 'Pacer' 2 car DMU 142081 in Regional
Railways (Dap) **NEW** . . . £115.18
371-629 GWR Railcar 20 in GWR chocolate & cream shirt button
emblem (Gra) (RRP £94.95) . . . **BARGAIN** . . . £75

Model railway spares

SL-311 Insulated Rail Joiners/Fishplates for N & OO9 gauge (12 per
pack) (Pec) . . . £1.70
SL-310 Rail Joiners/Fishplates for N & OO9 gauge (24 per pack) (Pec) £2

Track - Code 80 Setrack

ST-11 Double straight track (Pec) . . . £1.60
ST-6 Setrack left hand point insulfrog (Pec) . . . £8.50
ST-5 Setrack right hand point insulfrog (Pec) . . . £8.50
ST-3011 ST-11 double straight track - 174mm - pack of eight (Pec) £12.50

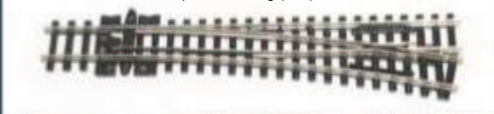
Track - Code 80 Streamline



SL-300 Pack of 25 1 yard (91.5cm) length of Wooden-
Sleeper Nickel Silver Flexible track (Pec) . . . £64
SL-300 Single (Pec) . . . £3



SL-E396 Left hand medium point electrofrog (Pec) . £9.50
SL-396 Left hand medium point insulfrog (Pec) . . . £9.50



SL-E395 Right hand medium point electrofrog (Pec) £9.50
SL-395 Right hand medium point insulfrog (Pec) . . . £9.50

Track - Code 55 Finescale



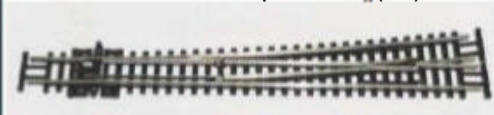
SL-300F Pack of 30 1 yard (91.5cm) length of Finescale
Nickel Silver flexible Wooden Sleeper track (Pec) . . . £84
SL-300F Single (Pec) . . . £3



SL-E387F Finescale curved double radius left hand point
electrofrog (Pec) . . . £11



SL-E390F Finescale double slip electrofrog (Pec) . . . £38



SL-E389F Finescale left hand large point electrofrog (Pec) . £11
SL-U396F Finescale left hand medium point unifrog (Pec) . . . £10



SL-E392F Finescale left hand small point
electrofrog (Pec) . . . £9.50



SL-E388F Finescale right hand large point
electrofrog (Pec) . . . £11
SL-U395F Finescale right hand medium point unifrog (Pec) . . . £10



SL-E391F Finescale right hand small point
electrofrog (Pec) . . . £9.50

OO9 Narrow Gauge Steam locos



9955 Lynton & Barnstaple 2-6-2T "Exe" in L&B dark
green (Hel) **NEW** . . . £209.95



9956 Lynton & Barnstaple 2-6-2T "Taw" in L&B dark
green (Hel) **NEW** . . . £209.95



9950 Lynton & Barnstaple 2-6-2T "Yeo" in L&B dark
green (Hel) . . . £189.95



9951 Lynton & Barnstaple 2-6-2T 760 "Exe" in Southern
Railway green (Hel) . . . £189.95



9952 Lynton & Barnstaple 2-6-2T 761 "Taw" in Southern
Railway green (Hel) . . . £189.95



9954 Lynton & Barnstaple 2-6-2T E759 "Yeo" in Southern
Railway (Hel) **NEW** . . . £209.95



9953 Lynton & Barnstaple 2-6-2T E760 "Exe" in intermediate
Southern Railway (1927-29) (Hel) **NEW** . . . £209.95

Track - Code 80 Setrack



ST-400 Setrack narrow gauge starter track pack - first
radius (Pec) . . . £68

Track - Code 80 Streamline



SL-400 Box of 25 1 yard length of OO9 narrow gauge
flexible track worn wooden sleepers (Pec) . . . £83
SL-400 Single (Pec) . . . £3.50

O Gauge (1:43 Scale) Steam locos



7S-026-001 Class 3F 'Jinty' 0-6-0T 16564 in early LMS
black (Dap) (RRP £225) . . . **BARGAIN** . . . £159



4320 Class 43xx 'Mogul' 2-6-0 4375 in GWR green (Hel)
NEW . . . £662.15

Visit

www.hattons.co.uk/preorder

for all forthcoming releases



4321 Class 43xx 'Mogul' 2-6-0 5322 in BR black - as preserved (Hel) **NEW** £662.15



4300 Class 43xx Mogul 2-6-0 4339 in GWR green Great Western lettering (Hel) **NEW** £662.15



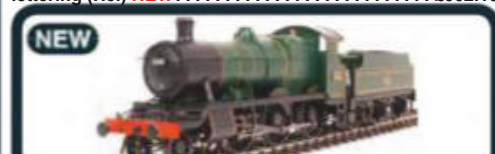
4311 Class 43xx Mogul 2-6-0 4358 in BR lined green early emblem (Hel) **NEW** £662.15



4313 Class 43xx Mogul 2-6-0 5306 in BR unlined green late crest (Hel) **NEW** £662.15



4302 Class 43xx Mogul 2-6-0 5320 in GWR green GWR lettering (Hel) **NEW** £662.15



4312 Class 43xx Mogul 2-6-0 5330 in BR lined green late crest (Hel) **NEW** £662.15



4301 Class 43xx Mogul 2-6-0 5355 in GWR green shirtbutton emblem (Hel) **NEW** £662.15



4310 Class 43xx Mogul 2-6-0 5378 in BR black early emblem (Hel) **NEW** £662.15



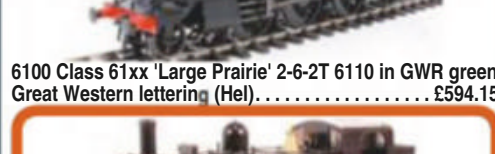
6126 Class 51xx 'Large Prairie' 2-6-2T 5158 in BR lined green late crest (Hel) £594.15



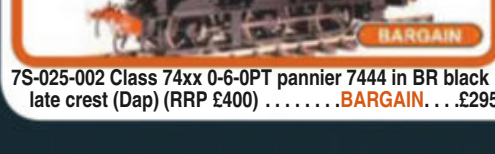
6124 Class 51xx 'Large Prairie' 2-6-2T 5184 in GWR green Great Western lettering (Hel) £594.15



7S-007-001 Class 57xx 0-6-0PT pannier 5717 in BR Black early emblem (Dap) £199.75



7S-007-004S Class 57xx 0-6-0PT pannier L94 in London Transport maroon - DCC sound fitted (Dap) (RRP £428.20) **BARGAIN** £314



6100 Class 61xx 'Large Prairie' 2-6-2T 6110 in GWR green Great Western lettering (Hel) £594.15



7S-010-014 Class A1 'Terrier' 0-6-0T 734 in LSWR green (Dap) (RRP £225) **BARGAIN** £179



GM7210103 Class A1X 'Terrier' 32635 'Brighton Works' in LBSCR improved engine green - weathered - 'Gaugemaster Collection' (Dap) (RRP £225) **BARGAIN** £192

7S-010-008 Class A1X Terrier 0-6-0 5 'Portishead' in GWR Green (Dap) (RRP £225) **BARGAIN** £157

Diesel locos

7D-008-010U Class 08 shunter in BR blue (without ladder) - unnumbered (Dap) (RRP £225) **BARGAIN** £157



2011 Class 20 in BR green full yellow ends and 4-character headcodes (Hel) (RRP £599) **BARGAIN** £320



2015 Class 20 in Railfreight Red Stripe headcode boxes (Hel) (RRP £599) **BARGAIN** £427



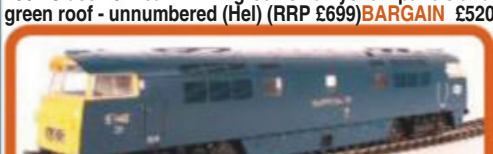
2558 Class 25/3 in BR blue - unnumbered (Hel) .. £446.25



4205 Class 42 Warship 829 'Maggie' in BR blue (Hel) (RRP £699) **BARGAIN** £495



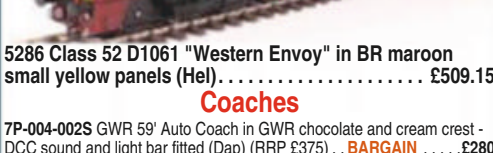
4502 Class 45 'Peak' in BR green small yellow panels and green roof - unnumbered (Hel) (RRP £699) **BARGAIN** £520



5288 Class 52 D1023 'Western Fusiler' in BR blue (Hel) (RRP £599) **BARGAIN** £470

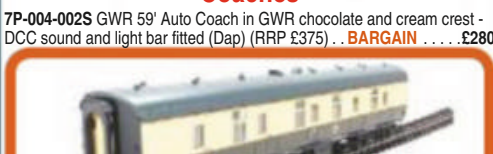


5285 Class 52 D1035 'Western Yeoman' in BR green small yellow panels (Hel) (RRP £599) **BARGAIN** £470

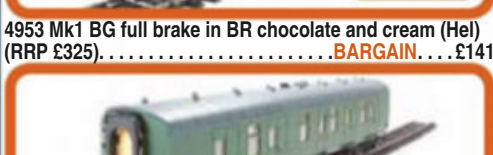


5286 Class 52 D1061 'Western Envoy' in BR maroon small yellow panels (Hel) £509.15

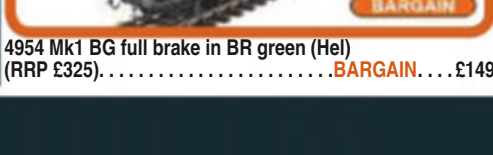
Coaches



7P-004-002S GWR 59' Auto Coach in GWR chocolate and cream crest - DCC sound and light bar fitted (Dap) (RRP £375) **BARGAIN** £280



4953 Mk1 BG full brake in BR chocolate and cream (Hel) (RRP £325) **BARGAIN** £141



4954 Mk1 BG full brake in BR green (Hel) (RRP £325) **BARGAIN** £149



4956 Mk1 BG full brake in Royal Mail red (Hel) (RRP £325) **BARGAIN** £147



4990 Mk1 GUV full brake in Royal Mail Parcels red (Hel) (RRP £325) **BARGAIN** £147



4941 Mk1 RMB mini buffet in BR maroon - unnumbered (Hel) £169.50

Wagons



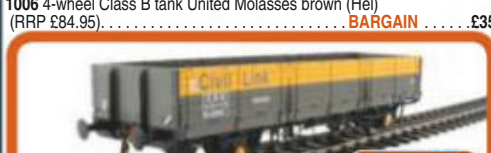
1053 100xx OAA in Railfreight red and grey (Hel) (RRP £84.95) **BARGAIN** £35



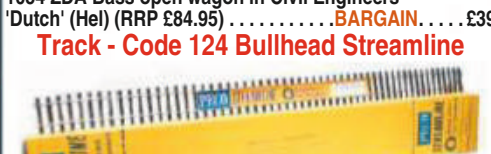
7F-200-004 20-ton standard brake van CAP B951224 in BR bauxite (Dap) £67.96



1041 200xx VBA sliding door van in BR bauxite - late (Hel) (RRP £84.95) **BARGAIN** £39



1006 4-wheel Class B tank United Molasses brown (Hel) (RRP £84.95) **BARGAIN** £35

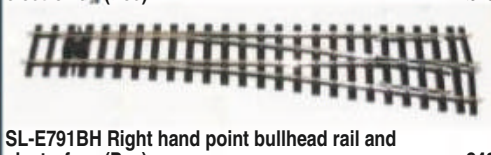


1054 ZDA Bass open wagon in Civil Engineers 'Dutch' (Hel) (RRP £84.95) **BARGAIN** £39

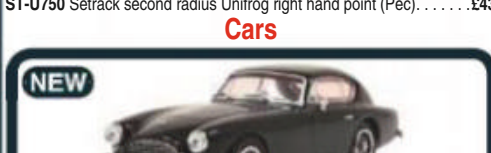
Track - Code 124 Bullhead Streamline



SL-700BH Box of 12 1 Yard O Gauge Flexible Nickel Silver Track (Bullhead Nickel Silver Rail) (Pec) £75



SL-700BH Single (Pec) £6.50



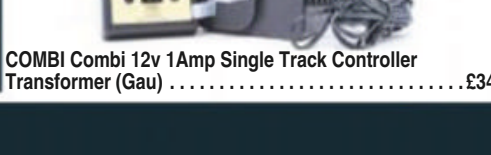
SL-E792BH Left hand point bullhead rail and electrofrog (Pec) £43



SL-E791BH Right hand point bullhead rail and electrofrog (Pec) £43



ST-725 Setrack Bullhead 2nd radius standard curve 410mm (16") (Pec) £6



ST-700 Setrack Bullhead straight 394mm (15.5") (Pec) £6

ST-U750 Setrack second radius Unifrog right hand point (Pec) £43

Cars



43ACE001 AC Aceca Vineyard Green (Oxf) **NEW** £21



VA05212 Ford Granada Mk1 3.0 Ghia, Jade Green (Cor) **NEW** £24

Any or Multiple Scales

Analogue controllers



COMBI Combi 12v 1Amp Single Track Controller Transformer (Gau) £34



D Double/Twin track power controller (Gau) £80

Q Quadruple 4 circuit power controller (Gau) £149

Analogue power supplies

M1 Transformer Output 2 x 16v AC 1A (Gau) £40

Digital decoders

DCR-21Pin-Direct-V2 21-pin 6-function 1.1Amp direct plug decoder back EMF (Hat) £16.50

X9659 4-pin DCC decoder for Sentinels and Peckett locos (Hor) £12

36-568 6 pin DCC decoder Back EMF and Railcom (Bac) £24.61

DCR-6PIN-Direct 6-pin 2-function 1.1Amp direct plug decoder back EMF (Hat) £17

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin (mini) decoder back EMF (Hat) £16

DCR-8PIN-HarnessMini Box of 5 (Hat) £72

DCR-8PIN-HarnessMini Box of 10 (Hat) £128

DCC22 8-pin 2-function 1A (2A peak) very small decoder (Gau) £23

36-553 8-pin 3-function 0.75A decoder back EMF (Bac) (RRP £20.90) **BARGAIN** £12

R8249 8-pin 4-function 2-sided 0.5A (1A peak) decoder (Hor) £16

R8249 Box of 6 (Hor) £92



R8115 TTS DCC Sound Decoder 8 pin plug - 'Merchant Navy' 4-6-2 steam loco (Hor) £38

R8101 TTS DCC Sound Decoder 8 pin plug - Class 31 diesel (Hor) £36

R8110 TTS DCC Sound Decoder 8 pin plug - Class 4073 'Castle' 4-6-0 steam loco (Hor) £36

R8113 TTS DCC Sound Decoder 8 pin plug - Class 9F 2-10-0 steam loco (Hor) £36

R8116 TTS DCC Sound Decoder 8 pin plug - Class S15 4-6-0 steam loco (Hor) £36



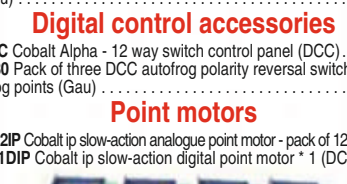
R8107 TTS DCC Sound Decoder 8 pin plug - Gresley Class A4 4-6-2 steam loco (Hor) £36

R8108 TTS DCC Sound Decoder 8 pin plug - Peppercorn Class A1 4-6-2 steam loco (Hor) £36

Digital controllers



50210 ECoS Command Station DCC V2.1 controller full colour LCD touch screen & dual controllers - 6A output (ESU) £600



524-042 NCE Power Cab 2 Amp Digital DCC controller (NCE) £154

DCC49 Prodigy 8 Amp booster unit (Gau) £169

DCC14 Prodigy Advance 2 Backlit Walkaround controller (Gau) £114

DCC01 Prodigy Express 1.6 Amp DCC controller - complete starter pack (Gau) £138

Digital control accessories

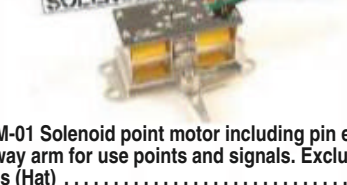
DCD-AEC Cobalt Alpha - 12 way switch control panel (DCC) £111

BPDC80 Pack of three DCC autofrog polarity reversal switches - for electrofrog points (Gau) £13.50

Point motors

DCP-CB12IP Cobalt ip slow-action analogue point motor - pack of 12 (DCC) £169

DCP-CB1DIP Cobalt ip slow-action digital point motor * 1 (DCC) £21



DCP-CB12DIP Cobalt ip slow-action digital point motor - pack of 12 (DCC) £220

DCP-CB6DIP Cobalt ip slow-action digital point motor - pack of 6 (DCC) £118

DCP-CB120MG Cobalt Omega slow-action analogue point motor x 12 (DCC) £165

PL-10 Point Motor (Switch Machine) (Pec) £6

PL-10 Bag of 6 (Pec) £34

PL-10E Point Motor Extended Pin (use PL-9) (Pec) £6

PL-10E Bag of 6 (Pec) £34

PM-2 Seep point motor (Gau) £4

PM-1 Seep point motor accessory switch (Gau) £5

PL-11 Side/surface mounted point motor (Pec) £8

Switches and levers

PL-13 Accessory Switch for fitting to turnout motor PL10 (Pec) £3

Tools

DCM-RRR12 Rolling Road - 12 Axle - For OO, N, HO, TT, OO9, EM and P4 gauges (DCC) £85

DCM-RRR8 Rolling Road - 8 Axle - For OO, N, HO, TT, OO9, EM and P4 gauges (DCC) £68



GAUGEMASTER *Spotlight* Scenic Trees & Hedges



Ready-Made Trees

Our bulk pack of trees are an economical way of filling large areas at a keen price. These trees also make ideal starting points for providing extra detail using the complimentary range of **GAUGEMASTER** Scenics.

The heights of the trees are provided as generally model trees are suitable for all scales, unless where noted.



GM120
Deciduous Trees (25)
9cm to 15cm tall
£23.95



GM121
Mixed Forest Trees (25)
9cm to 15cm tall
£23.95



GM122
Fir Trees (25)
9cm to 15cm tall
£23.95



GM124
Spring Deciduous Trees (25)
9cm to 15cm tall
£23.95



GM125
Spruce Trees (25)
9cm to 15cm tall
£23.95



GM127
N Scale Mixed Trees (10)
4cm to 10cm tall
£10.95



GM128
Spring Trees (10)
8cm tall
£12.95



GM129
Summer Trees (10)
8cm tall
£12.95



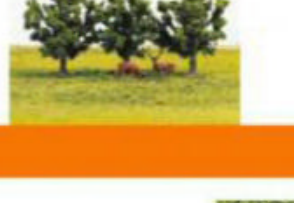
GM132
Tree Pack Mixed (10)
10cm to 14cm
£12.95



GM180
Plum Trees (3)
8cm tall
£8.75



GM181
Plum Trees in Blossom (3)
8cm tall
£8.75



GM182
Fruit Trees (3)
8cm tall
£8.75



GM183
Apple Trees (3)
8cm tall
£8.75



GM184
Birch Trees (3)
8cm to 10cm tall
£8.75



GM185
Weeping Willow Trees (3)
8cm tall
£8.75



GM186
Poplar Trees (3)
12cm tall
£8.75



GM187
Pine Trees (3)
12cm tall
£9.75



GM189
Beech Trees (2)
12cm tall
£8.75

Seafoam Trees



This starter set enables you to create trees, bushes, and hedging with a realistic appearance. Seafoam is a natural product which can be 'planted' straight from the box if you wish, but adding scatter material with spray adhesive is well worth the effort.

GM195 Seafoam Tree Starter Set
£19.95



GM156
Light Green Scenic Leaves
£4.45



GM157
Mid Green Scenic Leaves
£4.45



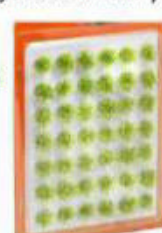
GM158
Dark Green Scenic Leaves
£4.45

Grass Tufts

Ideal for building up vegetation on your layout.



GM162
Grass Tufts Green
6mm (42)
£5.25



GM149
Plants 12mm Green (42)
£5.25



GM163
Grass Tufts Green
12mm (42)
£5.25



GM159
Plants 12mm Yellow (42)
£5.25

Hedgerows and Lichen

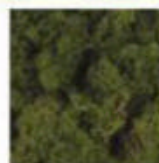
Hedgerows and lichen can be used to add additional green features to your layout right out of the packet! Combined with flocks/scatters you can get some great effects.



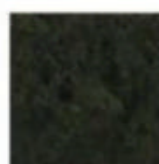
GM160
Light Green Hedgerow
Most suited to OO/HO
Total Length 1 metre.
£7.75



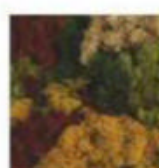
GM161
Dark Green Hedgerow
Most suited to OO/HO
Total Length 1 metre.
£7.75



GM164
Light Green Lichen (80g)
£5.25



GM165
Dark Green Lichen (80g)
£5.25



GM166
Mixed Lichen (80g)
£5.25



GM194
Scenic Starter Set

The perfect way to begin scenic modelling - this pack contains a small selection of trees, flocks, scatters, ballast, glue scenic mat and a puffer bottle, in fact just about everything you need to get started in one convenient starter pack.

£24.95

Full details of our Scenics range can be found in the Gaugemaster Full Catalogue **AVAILABLE SUMMER 2018**. It also contains details of our Analogue and Digital Controllers, Point Control, Electrics and much more in the Gaugemaster range.

It also contains selected items from many of the other brands that we stock.

GM353 Gaugemaster Full Catalogue

£3.95

GAUGEMASTER products are available from your local Model Shop or, in case of difficulty, direct from ourselves.

GAUGEMASTER Controls Ltd, Gaugemaster House, Ford Road, Arundel, West Sussex, BN18 0BN, United Kingdom
tel - 01903 884321 Fax - 01903 884377 email - sales@gaugemaster.co.uk web - www.gaugemaster.com



GAUGEMASTER Spotlight

SEEP Point Motors



SEEP GMC-PM10 Classic Solenoid Point Motor



- Reversible fitting direct to point, or under baseboard.
- Positive throw action with less bounce.
- Low voltage, energy efficient operation (16-24v AC or DC).
- Complete with mounting screws and extension pin.
- In-built terminal block, no soldering.
- OO, N and O Scale compatible.
- Precision-built with high tolerance levels.
- Value Packs of 5 available.
- **Digital version** available, that can be powered by either DC or DCC power sources.



The in-built terminal block means that installing the PM10 is a breeze, with no soldering required. The motor can be fitted either directly to the point, or under the baseboard.

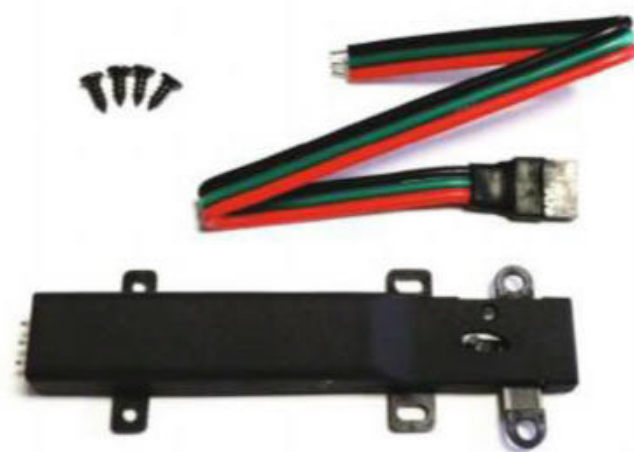
The **GMC-PM10 Classic** Solenoid Point Motor has been created to work with all leading brands of track in the United Kingdom. Designed with easy installation in mind, it has a built-in reversible mounting plate (with adjustment slots and holes), robust plated metalwork frame and fibreglass circuit boards for longer life.

The PM10s magnetic coils are high-efficiency for reliable operation, needing less current than other brands. The PM10 also has easy to use solder-free screw terminals. We have included mounting screws and a throw-bar extension for each motor for easy, simple installation. We even supply a handy screwdriver with the Value Pack, for use with the solderless terminals.

The **Digital version (GMC-PM10D)** comes complete with an accessory decoder and harness, with the same features and flexibility as the **Classic** version. It has built-in connections for manual switch operation, as well as LEDs for your mimic panel for position indicators. All terminals are screw connections.



SEEP GMC-PM20 Surface Mounted Point Motor



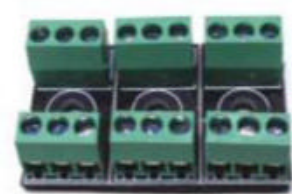
- 'Plug and Play' installation with reversible 3-Way connector.
- Fits parallel to point work - tie-bar linkage drops over tie-bar pin.
- Strong metal body shell construction.
- Complete with mounting screws and pre-terminated harness.
- Low voltage, energy efficient operation (16-24v AC or DC).
- OO, N and O Scale compatible.
- Value Packs of 5 available.
- **Digital version** available, that can be powered by either DC or DCC power sources.

Designed with easy installation in mind, the **GMC-PM20 Surface Mounted** Point Motor is placed parallel to your point-work and operates equally well orientated either way. PM20 works well with all popular modelling scales, and with the leading brands of track in the UK.

The magnetic coils are high-efficiency for reliable operation, needing much less current than most other brands. The **GMC-PM20** also has a plug-in harness that is very easy to use. Mounting screws are included.

GMC-PM20 has built-in connections for manual switch operation, as well as LEDs for your mimic panel for position indicators. All terminals are screw connections.

Installation is simplified with three pin plug socket on the end of the point motor. Simply plug in the pre-terminated harness and connect the wires to your power source.



GMC-PM50 Connection Boxes (3)

Ever find you've cut your run of wire too short or run out before you get to the switch? These connectors will help. They even come with screws to fix them on.



GMC-PM51 Point Motor Wire (Red/Green/Black) 10m Tripled (14 x 0.15)

This is a useful 10m reel of tripled wire; with red, green, and black wires together. Easier, tidier wiring for point motors.



GM09RB Red/Black Twinned Wire 10m (14 x 0.15mm)

10m of Red/Black twinned wire. Ideal for model railway use and when trying to keep wiring tidy.



GM612 45mm Hole Saw & Arbor for Point Motor Fitting

Great for drilling holes in your baseboard if you are fitting your motors directly to the track.

GMC-PM52 Point Motor Accessory Pack Contains 5 spare extension pins and collars, 20 attachment screws, screwdriver, and 5 ballast stickers.

This is a useful pack for anyone using our GMC-M10/PM10D Point Motors. It contains extra extension pins and collars, screws, and a screwdriver which fits the terminal block on the PM-10, as well as ballast stickers to cover the hole in the baseboard.

PRICES

Full details of our Analogue Controller range can be found in the Gaugemaster Full Catalogue **AVAILABLE SUMMER 2018**. It also contains details of our Digital Controllers, Scenics, Point Control, Electrics and much more in the Gaugemaster range.

It also contains selected items from many of the other brands that we stock.

GM353 Gaugemaster Full Catalogue £3.95

SEEP Point Motors

GMC-PM1	Point Motor with Built-In Switch	£5.95
GMC-PM2	Point Motor No Switch	£5.50
GMC-PM4	Point Motor with Latching Mechanism	£6.75
GMC-PM10	Classic Solenoid Point Motor	£7.25
GMC-BPPM10	Classic Solenoid Point Motor (5 Pack)	£32.95
GMC-PM10D	Classic Solenoid Point Motor (DCC-Fitted)	£19.95
GMC-PM20	Surface Mounted Point Motor	£10.25
GMC-BPPM20	Surface Mounted Point Motor (5 Pack)	£47.95
GMC-PM20D	Surface Mounted Point Motor	£23.95

Point Motor Accessories

GMC-CDU	Capacitor Discharge Unit	£14.50
GMC-PM50	Connection Boxes (3)	£4.15
GMC-PM51	Point Motor Wire (Red/Green/Black) 10m Tripled (14x0.15)	£8.50
GMC-PM52	Point Motor Accessory Pack	£3.95
GMC-PM53	Harnesses for PM10D (2)	£4.15
GMC-PM60	Solenoid Point Motor Decoder/Harness	£17.25
GM09RB	Red/Black Twinned Wire 10m (14x0.15)	£6.25
GM612	45mm Hole Saw and Arbor	£3.65

GAUGEMASTER products are available from your local Model Shop or, in case of difficulty, direct from ourselves.

GAUGEMASTER Controls Ltd, Gaugemaster House, Ford Road, Arundel, West Sussex, BN18 0BN, United Kingdom
tel - 01903 884321 Fax - 01903 884377 email - sales@gaugemaster.co.uk web - www.gaugemaster.com

METCALFE

Card Construction Kits

COUNTRY



PARISH CHURCH

00 CODE PO226 - £15.99
N CODE PN926 - £11.00



MANOR FARM BUILDINGS

00 CODE PO252 - £11.50



MANOR FARM HOUSE

00 CODE PO250 - £10.50
N CODE PN150 - £9.00

VILLAGE SHOP & CAFE

00 CODE PO254 - £12.50
N CODE PN154 - £9.00



RAILWAY



DOUBLE TRACK ENGINE SHED

00 CODE PO313 - £23.00



PLATFORM KIT

BRICK 00 CODE PO216 - £12.50
STONE 00 CODE PO235 - £12.50
BRICK N CODE PN110 - £9.50
STONE N CODE PN135 - £9.50



SIGNAL BOX

00 CODE PO233 - £10.00
N CODE PN133 - £9.00

MAINLINE

MAINLINE BOOKING HALL

00 CODE PO320 - £22.99
N CODE PN920 - £20.00

PLATFORM CANOPY

00 CODE PO340 - £15.00
N CODE PN921 - £16.50



ISLAND PLATFORM BUILDINGS

00 CODE PO322 - £19.99
N CODE PN922 - £15.00



PARCEL OFFICES

00 CODE PO321 - £21.00
N CODE PN921 - £15.00

SHOP ONLINE: WWW.METCALFEMODELS.COM

METCALFE MODELS & TOYS LTD, BELL BUSK, SKIPTON, N.YORKS, BD23 4DU
TEL: 01729 830072. POSTAGE £2.50 FOR ORDERS UP TO £19.99 / £4.50 THEREAFTER

Join the conversation on Facebook. Follow @MetcalfeModels and join the official group forum.

METCALFE

Card Construction Kits

A HOBBY
IN ITSELF!

TOWN



L/R TIMBER FRAMED SHOP
00 CODE PO421 - £8.00
N CODE PN190 - £8.50

N VERSION



L/R PUB & SHOPS
00 CODE PO205 - £11.00



L/R CINEMA & SHOPS
00 CODE PO206 - £10.50
N CODE PN170 - £6.50



L/R BANK & SHOP
00 CODE PO271 - £11.50



L/R DEPARTMENT STORE
00 CODE PO279 - £14.00

MINI KITS



00 SHOW JUMPS
00 CODE PO511 - £5.50

NEW! GOODS YARD CRANE

00 CODE PO540 - £6.50
N CODE PN840 - £5.00



MARKET STALLS
00 CODE PO530 - £6.50
N CODE PN830 - £5.50



00 PLATFORM BENCHES
00 CODE PO502 - £5.75



00 PARK BENCHES
00 CODE PO503 - £5.50



FOUNTAINS
00 CODE PO522 - £5.75
N CODE PN823 - £5.75
00 as pictured. N comes with three variations.



GARDEN SHEDS
00 CODE PO512 - £5.50
N CODE PN812 - £5.50



PLAY AREA
00 CODE PO513 - £6.50



PICNIC TABLES
00 CODE PO510 - £5.50
N CODE PN810 - £5.50

MAKE GLUING EASY...

**ULTRA FINE-TIP
GLUE APPLICATORS**
CODE MT907 - £4.00
Glue not included.



NEW! 00 BUS STOP
00 CODE PO525 - £6.50



PILLBOXES
00 CODE PO520 - £5.50
N CODE PN820 - £5.00



RAILS OF SHEFFIELD

railsofsheffield.com



Corporate Partners of

RAILWAY MUSEUM

NEW 2019 RANGES - HORNBY - BACHMANN - FARISH
NOW LISTED ON OUR WEBSITE Take advantage of the many **FREE POSTAGE** offers!



FULL RANGES STOCKED! Please call or see website for full details!

GREAT PRICES ON PECO

SL-100	25 YARDS CODE 100 WOODEN SLEEPER TYPE NICKEL SILVER FLEXIBLE TRACK	£65.00
SL-100F	25 YARDS NICKEL SILVER FINESCALE FLEXIBLE TRACK WOODEN SLEEPER	£72.00
SL-102F	25 YARDS FINESCALE CONCRETE SLEEPER TYPE NICKEL SILVER FLEXIBLE TRACK	£82.00
SL-91/E91/92/E92	SMALL POINTS RIGHT & LEFT HAND INSUL OR ELECTROFROG	£9.50 each
SL-95/E95/96/E96	MEDIUM POINTS RIGHT & LEFT HAND INSUL OR ELECTROFROG	£10.50 each
SL-88/E88/89/E89	LARGE POINTS RIGHT & LEFT HAND INSUL OR ELECTROFROG	£12.50 each
PL10/ PL10X6	PL10 POINT MOTOR (SWITCH MACHINE) INDIVIDUAL OR 6 PACK	£6.00/£34.00
SL-300	25 YARDS CODE 80 NICKLE SILVER FLEXIBLE TRACK WITH WOODEN TYPE SLEEPERS	£63.50
SL-300F	30 YARDS CODE 55 FINESCALE N/S FLEXIBLE TRACK WOODEN SLEEPER	£82.00
SL-395/96-E95/E96	MEDIUM POINTS RIGHT & LEFT HAND INSUL OR ELECTROFROG	£9.50 each
SL-U395F/U96F	MEDIUM RIGHT HAND TURNOUT UNIFROG CODE 55	£10.00 each
SL-388/389/E388/E389	LARGE POINT ELECTROFROG RIGHT & LEFT HAND POINTS	£10.50 each
SL-700BH	12 YARDS O GAUGE FLEXIBLE NICKLE SILVER TRACK (BULLHEAD) WOODEN SLEEPER	£75.00
SL-700FB	12 YARDS O GAUGE UNIVERSAL FINE CODE 143 WOODEN SLEEPER	£75.00
SL-E791/792BH	MEDIUM RADIUS RIGHT & LEFT HAND POINTS WITH BULLHEAD RAIL	£42.50 each
SL-E791FB/E792FB	MEDIUM RADIUS RIGHT AND LEFT NICKEL SILVER ELECTROFROG POINT (CODE 143 FLAT BOTTOM)	£45.50 each

AMAZING OFFERS ON



D	TWIN TRACK POWER CASED CONTROLLER	£78.50
Q	FOUR TRACK CASED CONTROLLER	£149.00
COMBI	SINGLE TRACK CONTROLLER/ PLUG IN TRANSFORMER (1 AMP)	£34.00
DCC01	PRODIGY EXPRESS PACKAGE	£134.50
DCC02	PRODIGY ADVANCE PACKAGE DIGITAL CONTROLLER	£232.50
DCC05	PRODIGY WIFI RECEIVER	£84.00
10LGB5F	SINGLE TRACK CASED CONTROLLER FOR G SCALE WITH FAN	£149.50
100MO	SINGLE TRACK CASED CONTROLLER FOR O SCALE	£76.50
PM10/ BPPM10	SEEP CLASSIC POINT MOTOR INDIVIDUAL OR PACK OF 5	£5.95/£26.00
PM20/ BPPM20	SURFACE MOUNTED POINT MOTOR INDIVIDUAL OR PACK OF 5	£8.00/£36.00
DCC80/BPDCC80	DCC AUTOFROG INDIVIDUAL OR PACK OF 3	£6.25/£13.50



**RAILS ON EBAY 2 STORES,
100'S OF ITEMS ADDED DAILY...**



RAILS-SHEFFIELD
Ebay store!



RAILS-VAULT
Ebay store!

GREAT FOR GIFT IDEAS & MORE...

**SEE OUR WEBSITE FOR FULL LISTINGS
INCLUDING SPECIAL OFFERS & GREAT DEALS!!**

www.railsofsheffield.com

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.

RAILS TV & SOCIAL MEDIA...

Keep up-to-date with the latest Rails news and updates! **Follow** and **like us** on:



railsofsheffield



railsofsheffield



railssheffield



railsofsheffield

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 ORL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.com

Web: railsofsheffield.com

railsofsheffield

railsofsheffield

railssheffield

railsofsheffield



RAILS OF SHEFFIELD

railsofsheffield.com



Corporate Partners of

RAILWAY MUSEUM

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

FULL COLLECTIONS PURCHASED / UK & WORLDWIDE COLLECTION AVAILABLE

**TOP
GUARANTEED
PRICES
PAID**

*We urgently require collections of any size,
featuring products from the following manufacturers:*

**FAMILY
BUSINESS
FRIENDLY
SERVICE**



WE ALSO BUY RAILWAYANA

SIGNAGE AND TOTEMS

AND MORE...

Telephone our Second Hand team on: (0114) 255 1436 or email: secondhand@railsofsheffield.com - Ref: MR2019

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 ORL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.com

Web: railsofsheffield.com

[railsofsheffield](https://www.youtube.com/railsofsheffield)

[railsofsheffield](https://www.facebook.com/railsofsheffield)

[railssheffield](https://www.twitter.com/railssheffield)

[railsofsheffield](https://www.instagram.com/railsofsheffield)



RAILS



railsofsheffield.com
/exclusive

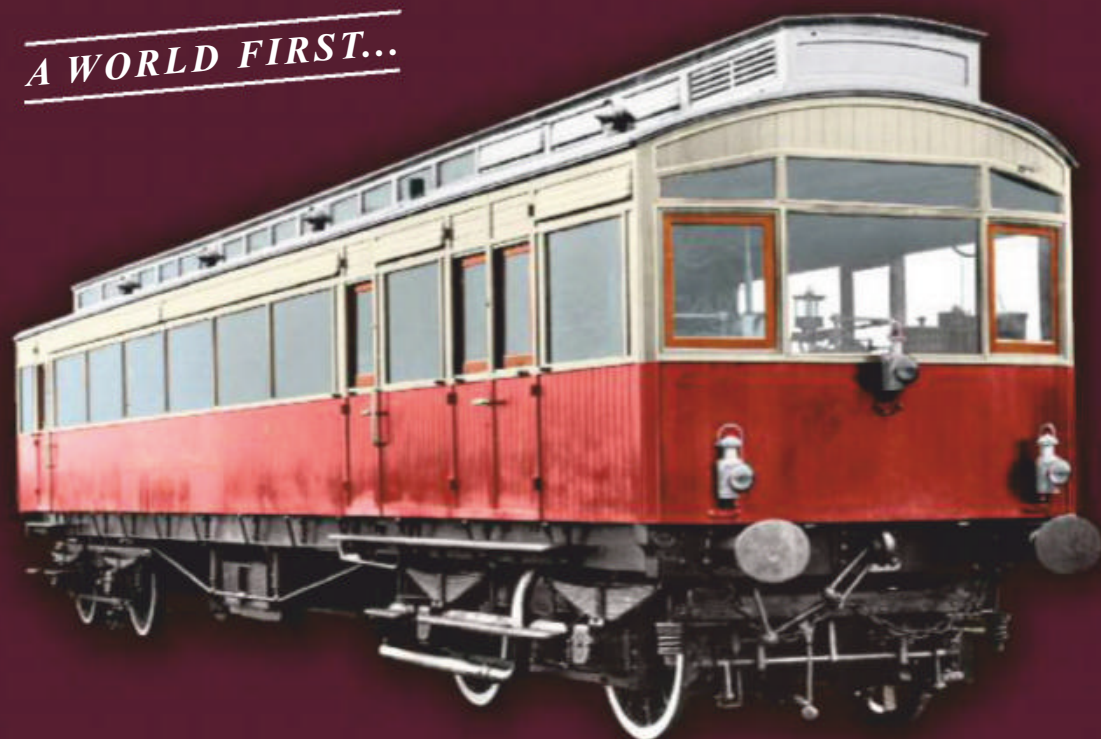


Corporate Partners of

RAILWAY MUSEUM

— NORTH EASTERN RAILWAY — ELECTRIC AUTOCAR

A WORLD FIRST...



Secure yours
for **ONLY**
£30 DEPOSIT

PRE-ORDER PRICE £199.95

OO GAUGE MODEL

3 VERSIONS AVAILABLE

North Eastern Railway red/cream No. 3170 (1904-23)

North Eastern Railway red/cream No. 3171 (1904-30)

LNER brown No. 3170 (1923-31)



IN
ASSOCIATION
WITH



CLASS 37 425 'CONCRETE BOB'
BUY NOW ONLY £129.50



32-384Y

CLASS 66 727 'MARITIME ONE'
BUY NOW £169.99



32-979W

CLASS 66 614 'POPPY'
BUY NOW £169.99



32-726X

*ALL popular
Manufacturers*

ALSO STOCKED AT BARGAIN PRICES!



Electrotren

CORGI Jouef

SCALEXTRIC

Rivarossi

LILIPUT

WOODLAND SCENICS
The World Leader in Model Scenery



METCALFE

model scene

ECC

HARBURN HAMLET



Lenz

ELEKTRONIK GMBH

WILLS-KITS

K&M TREES

KATO

PRECISION RAILROAD MODELS

OXFORD

PLASTIC RATIO

MATHIESON

NEW

NOW STOCKING



REALTRACK



21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 ORL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.com

Web: railsofsheffield.com

[railsofsheffield](http://railsofsheffield.com)

[railsofsheffield](http://railsofsheffield.com)

[railsofsheffield](http://railsofsheffield.com)

[railsofsheffield](http://railsofsheffield.com)



RAILS



railsofsheffield.com
/exclusive



Corporate Partners of

RAILWAY MUSEUM

PRODUCED BY
accurascale

NEWLY TOOLED OO DELTIC

OO GAUGE MODEL



IN
PARTNERSHIP
WITH
RAILWAY MUSEUM
THE DELTIC
PRESERVATION
SOCIETY

SIX VERSIONS AVAILABLE

55015 'Tulyar' in 1980's BR blue livery
D9019 'Royal Highland Fusilier' BR two tone green
D9009 'Alycidon' in BR blue livery
D9002 'Kings Own Yorkshire Light Infantry' two tone green
55 002 'Kings Own Yorkshire Light Infantry' two tone green
D9008 'The Green Howards' ex-works green livery

PRICE £160 EACH
DCC READY

*Secure yours for
ONLY £30 DEPOSIT*

Expected Q4 2019

OTHER VARIANTS ARE AVAILABLE DIRECT FROM ACCURASCALE

STROUDLEY A1 / A1X TERRIER 0-6-0

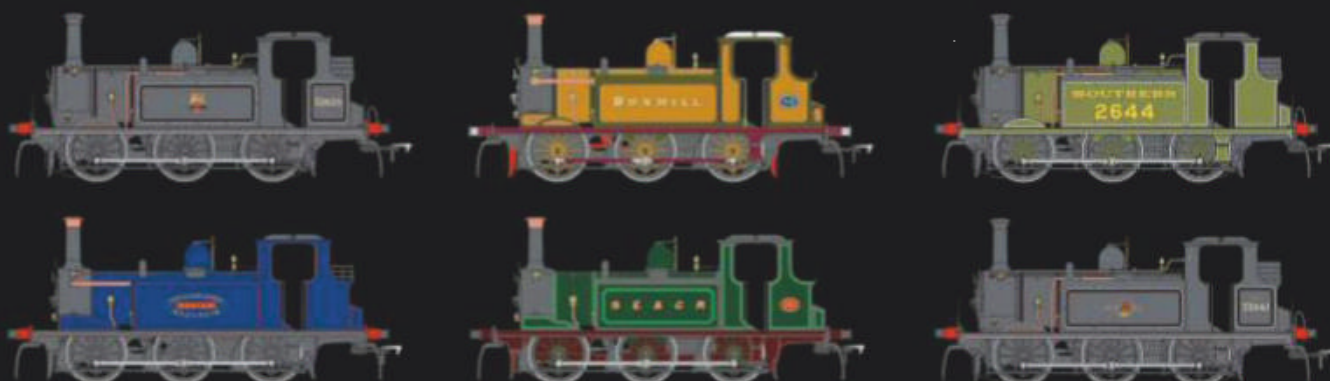
NEWLY TOOLED OO GAUGE MODEL

IN
PARTNERSHIP
WITH
dapol
Model Railway Company

DUE IN SPRING

**ORDER BOOK
FILLING UP
FAST!**

*Secure yours for ONLY
£30 DEPOSIT*



6 VERSIONS AVAILABLE

**DCC READY VERSION
PRE-ORDER PRICE £110**

CALEDONIAN CLASS 812



Courtesy of: Hugh Llewelyn



PRE-ORDER PRICE
£199.95 PREMIUM BLUE
£179.95 BLACK VERSIONS

*Secure yours for
ONLY £30 DEPOSIT*

OO GAUGE MODEL

FIVE VERSIONS AVAILABLE:

Caledonian No. 828 (as preserved)
Caledonian No. 828 (as built)
LMS Black Livery No. 17566
BR Black Early Emblem No. 57565
(weathered)
BR Black Late Crest No. 57566

IN
ASSOCIATION
WITH



21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 ORL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.com

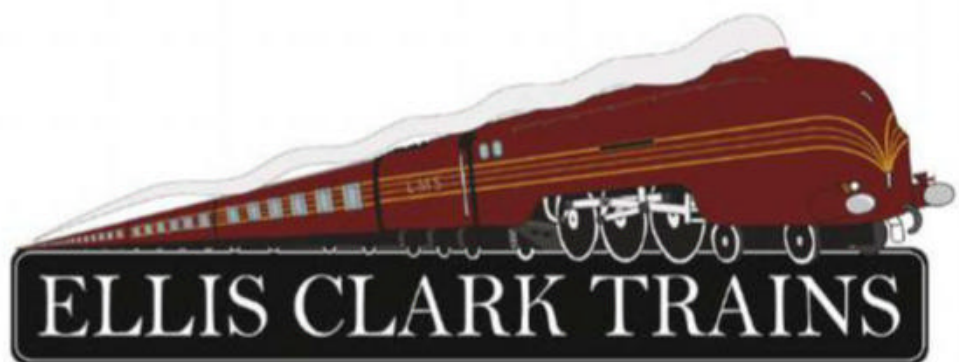
Web: railsofsheffield.com

[railsofsheffield](https://www.youtube.com/railsofsheffield)

[railsofsheffield](https://www.facebook.com/railsofsheffield)

[railssheffield](https://www.twitter.com/railssheffield)

[railsofsheffield](https://www.instagram.com/railsofsheffield)



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

WANTED

**TOP PRICES PAID FOR YOUR COLLECTIONS
OF MODEL RAILWAYS, DIECAST & TINPLATE**
For more info call Ellis on 07799 554491

- ◆ Call, email or post a list
- ◆ All makes, gauges and ages considered
- ◆ British, Continental and American
- ◆ All gauges of kit/scratch built and live steam
- ◆ Diecast & tinplate cars, lorries, planes, soldiers
- ◆ Payment in your preferred method
- ◆ Happy to travel nationwide and view or collect
- ◆ Friendly and professional service
- ◆ Large collections a speciality



T 01756 701451

M 07799 554491

E ellis@ellisclarktrains.com

W ellisclarktrains.com

**VISIT OUR
WEBSITE &
0 Gauge/larger gauges
SHOWROOM**

DARSTAED RTR FINESCALE 'O' GAUGE MK1 COACHES

FEATURING BRASS SIDES, SUPER-DETAILED INTERIORS WITH LIGHTS & MANY MORE FEATURES

ONLY £189 EACH OR £750 FOR 4

NOW IN STOCK

CK Comp
SK Second
BSK Brake 2nd
TSO Tourist 2nd Open
BCK Brake Compo
FK 1st Class
RMB Mini Buffet
RU Restaurant Kitchen
RFO Restaurant 1st Open
RSO Restaurant 2nd Open

**SEE WEBSITE FOR
UP TO DATE STOCK**

AVAILABLE LIVERIES

Blood & custard
Chocolate & cream
Blue/grey
Maroon
Southern green
Intercity
West Highland **NEW!**

"I THINK THE CONSTRUCTION
METHODOLOGY IS A TOUR
DE FORCE."

ROBIN MCHUGH, GOG REVIEWER

FOR PRE-ORDER

57' BGs (now only £169)
Sleepers (maroon & blue/grey)
TSOs & BCKs (in early & late
West Highland livery)



DARSTAED RTR FINESCALE 'O' GAUGE BR 57' MK1 SUBURBAN COACHES

DUE Q1-Q2 2019 - PRE-ORDER TODAY WITH NO UP-FRONT PAYMENTS



T1 sample

**PART-EX
AVAILABLE
on all
DARSTAED**

FEATURING

- ✓ Brass sides
- ✓ Super-detailed interiors with lights
- ✓ Professionally painted & lined
- ✓ Die-cast underframe
- ✓ Compensated all-new MK1 bogies
- ✓ NEW! Brass luggage racks

PRE-ORDER IN MAROON (LINED & UNLINED), CRIMSON & BLUE

- ✓ Composite
- ✓ Composite (with lavatory)
- ✓ Brake Second
- ✓ Open Second
- ✓ Second
- ✓ Second (with lavatory)

For more info visit:
ellisclarktrains.com/pages/darstaed



Produced by:

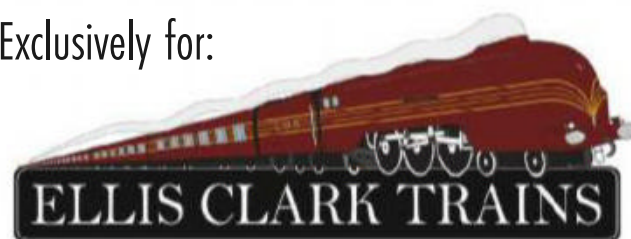
ONLY £169 EACH OR £665 FOR 4

ONLY AVAILABLE THROUGH **ELLIS CLARK TRAINS**

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

01756 701451 ♦ ellisclarktrains.com

Exclusively for:





Create your own docklands



GV2015
Port of London Janus 060



GV6015
Matching Wagon Set



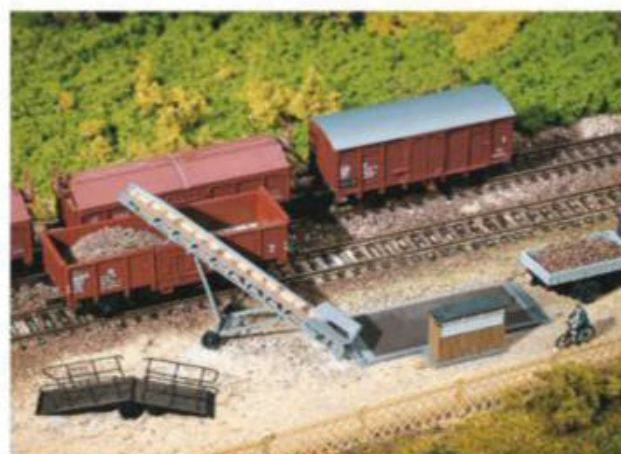
KIBRI 38510
Double Link Gantry Crane
£39.05



KIBRI 38520
Tug Boat
£21.77



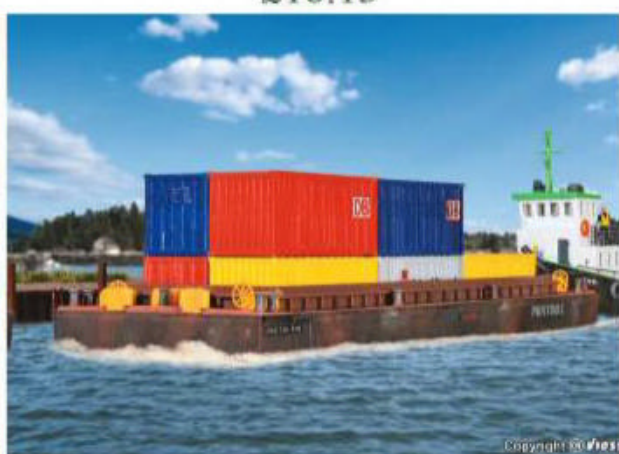
KIBRI 10922
Six 40 Ft Containers
£18.13



AUHAGEN 11414
Loading Ramp
£23.54



KIBRI 39156
Working Pontoon & Excavator
£35.90



KIBRI 38524
Barge
£19.04



KIBRI 38522
Barge
£19.04



KIBRI 10924
8 20 Ft Containers
£16.32



KIBRI 38530
DEMAG Container Crane
£50.87

www.GoldenValleyHobbies.com

Unit 1 Pontrilas Business Park, Pontrilas, Herefordshire, HR2 0AZ
See our website, write or call to order. Trade enquiries welcome. 01981 241 237

www.expressmodels.co.uk

LIGHTING SPECIALISTS

The light at the end of the tunnel could be one of our high intensity headlights fitted to your loco.

We manufacture head and tail lights and coach lighting units for DCC and DC operation. We also make red or yellow oil type lamps for steam locos and flashing tail lights for coaches/wagons.

Why not save on postage and buy your smoke generators and decoders from us at the same time? Visit our website which has secure online shopping.

EXPRESS MODELS, 65 CONWAY DRIVE, SHEPshed, LOUGHBOROUGH, LEICS. LE12 9PP

Tel: 01509 829008 Fax: 01509 560878

Email: express.models@ntlworld.com

modula
layouts

Layouts built & wired
to the
highest standards

READY TO RUN & DELIVERED TO YOUR DOOR



Visit us on stand 119
at The London Festival
of Railway Modelling
23-24 March 2019
ALEXANDRA PALACE

MR MAR19

01277 624741 Mon-Fri 9am- 5pm

Order directly from

www.modulalayouts.co.uk

See a selection
of layouts -
visit our Gallery page at
www.modulalayouts.co.uk

SMART SCREEN FROM TRAIN-TECH!

NEW! Customise your own animated screen!

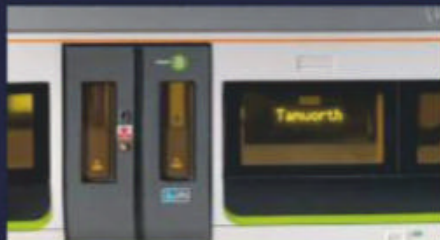
Smart Screen is a real working screen which you can customise with your own messages and control by trains to bring your layout to life!



- 2 Line display - top line can show a clock & the bottom line automatically scrolls!
- Control messages by trains passing, point destinations, switches, cycling etc
- Enter your own multiple messages - up to 10 screens can be programmed!

• Multiple uses - Can be used for: Platform signs, Scoreboards, road signs, bus and coach signs.....

• Also destination signs on board trains which change automatically when the train changes direction!



• Enter your messages using standard DCC controller, but once set up can be used on 12v DC or DCC - just 2 wires!

• Control by Track Sensor, Switch, DCC

• SD1 - Single Smart Screen £50 • SD2 - Twin pack Smart Screen £90
A range of enclosures are also available for platforms and canopies

Plus more new products in our free brochure!



**Ask for new
FREE 2019
Brochure!**

DCP Express
Bryon Court
Bow Street
Great Ellingham
NR17 1JB

01953 457800 / www.dcpexpress.com

sales@dcpmicro.com

£4 UK P&P - this month quote MR258 for £2 off postage!



**18th
ANNIVERSARY**

THE MODEL RAIL SHOW FOR LARGER GAUGES

MIDLANDS GARDEN RAIL SHOW

0 GAUGE, G SCALE, GAUGE 1, 16MM & MORE...



Sponsored by

**ENGINEERING
in Miniature**

**GARDEN
Rail**

**SATURDAY 16th &
SUNDAY 17th MARCH 2019**

Open 10am - 4pm Daily

WARWICKSHIRE EVENT CENTRE



A Leading Garden Railway Exhibition



Over **35 leading suppliers** to help you create your dream garden railway including locomotives, rolling stock, track and accessories. Up to **15 layouts and displays**.

Full restaurant facilities.

FREE car parking for over 2,000 cars.

BOOK YOUR TICKETS NOW!

ADMISSION PRICES	ONLINE TICKETS*	FULL PRICE TICKETS**
Adult	£8.00	£9.00
Senior Citizen	£7.00	£8.00
Child (5-14)	£3.00	£4.00

Children under 5 FREE
when accompanied by a full paying adult/senior

* Tickets are available via our website at discounted prices.

** Full price tickets are available on the day from the ticket office.

Please call SEE Tickets on 0115 896 0154 if you would like to book a ticket by phone. Last admission 1 hour before closing.

**Inspiration
for planning
your garden
railway - see
live steam, gas
and coal fired
locomotives.**

www.midlandsgardenrailshow.co.uk



@MeridienneEx



Meridienne
Exhibitions LTD

Organised by Meridienne Exhibitions LTD



AC Models

Tel. 02380 610100 www.acmodelseastleigh.co.uk

Your one stop shop for the model enthusiast, selling brand new and near-new model trains, slotcars, sets, and diecast toys at very special prices direct from our website or new shop in Eastleigh.

Stockists of

SCALEXTRIC **HORNBY** **LILIPUT**

Spectrum

PECO

AIRFIX

BACHMANN
BRANCH-LINE

and much more!

GIFT
VOUCHERS
AVAILABLE

VISA **PayPal** MasterCard

Models moved to No9 and
Games Workshop/Spares Dept at No7.
We now have a R/C Department at No7

Open 5 days a week 9am-5pm (Both shops closed Wednesday & Sunday)

7/9 High Street, Eastleigh, Hants. SO50 5LB

email: info@acmodelseastleigh.co.uk

PETER'S SPARES

MODEL RAILWAYS LIMITED
MAIL ORDER & REPAIR SPECIALISTS



- ♦ 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

NEED HORNBY SPARES?

Talk to Peter's Spares Over 2000
Different Hornby Spares in Stock.
East Kent Models Parts Are
Being Listed On Our Website.

WE
STOCK
10,000
ITEMS

DON'T FORGET WE SELL:

Locomotives, Rolling Stock, Scenics

and much more!

HORNBY

BACHMANN
BRANCH-LINE

NEW & USED MODEL RAILWAYS

Specialists in Model Trains since 1994 - Servicing, Repairs & DCC Decoder Fitting
2J Brighthouse Business Village, Riverside Park, Middlesbrough, Cleveland TS2 1RT

PECO

BRACHMANN

dapol

Tel: 01642 909794

Open Mon-Sat 10am-5pm

Web: www.petersspares.com

Email: sales@petersspares.com

GAUGEMASTER

TOWNSTREET MODEL ARCHITECTURE AT ITS FINEST

NEW "00" GWR COALING STAGE £67.50

From the stonecast range that brings realism to your layout.
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

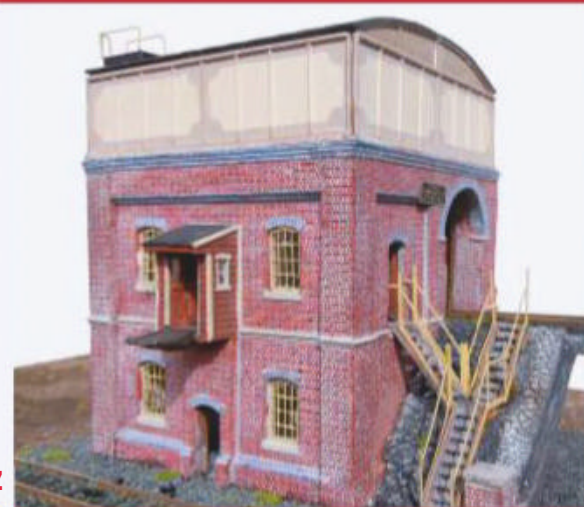
60 page "00" catalogue. Full of buildings, bridges, platforms and ideas for your layout £3.80 post free.

TOWNSTREET

6 KIRKILL, 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

Visit → scalescenes.com

Download → Print → Build

Card kits
that pass
closer
inspection

NEW Industrial Boxfile Layout

A complete micro
layout for ONLY £9.99

Includes choice
of siding colours



Safely 'flat-packs'
away in boxfile

Buy once unlimited prints

00 scale

scale
scenes
.com

Leamington & Warwick Model Railway Exhibition

Sat 2 - Sun 3 March 2019
from 10am

Over 20 layouts and 30 trade stands
Station Shuttle Bus - Free Car Parking
Restaurant - Refreshments - Rest Areas
Admission: Adults £8, Children £2, Family £18

Royal Leamington Spa College
Warwick New Road, Leamington Spa CV32 5JE
More information at www.lwmrs.co.uk

Kimble O Gauge - Featured club layout 2019



2
The Leamington & Warwick
Model Railway Society
C



6 Station Road, Stanley, County Durham DH9 0JL

Tel: 01207 232545

email: sales@durhamtrainsofstanley.co.uk

Opening times: 9.30 - 5.00 Mon, Tues, Fri & Sat, 11-7 Thurs, Closed Wed.

DCC Fitting & Weathering Service

www.durhamtrainsofstanley.co.uk

GREAT WESTERN REPLICAS

N GAUGE WAGON KITS

LASER CUT
OVER 30 DESIGNS

MADE IN BRITAIN

7 HONESTONE ST, BIDEFORD, N. DEVON, EX39 2DL ☎ 01237 423453

WWW.OSBORNSMODELS.COM

- WANTED -
MODEL RAILWAY
AND COLLECTABLES

Small or large collections
in any scale.

Almost anything will be
considered

Top cash prices paid

01302 371623

07526768178

ANORAKS ANONYMOUS

anoraksanonymous@googlemail.com

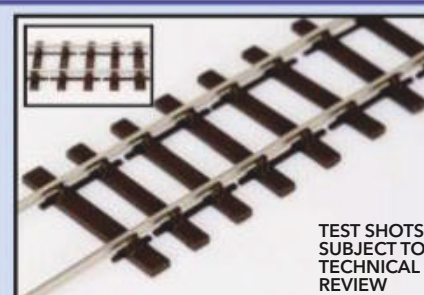


C & L FINESCALE
TRACK BUILDING SYSTEMS

**NEW CODE 75
BULLHEAD FLEXI
TRACK IN 60FT
TRACK PANELS**

We have O Gauge products from Dapol, Peco,
Gaugemaster, Parkside and Slaters Plastikard

For current exhibition listing please
check our website.

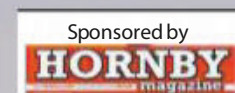


TEST SHOTS
SUBJECT TO
TECHNICAL
REVIEW

Office hours 10.00 to 14.00 Mon, Tues, Thurs. 14.00 to 19.00 Weds. Closed Fri.

C & L Finescale Track Building Systems Ltd, 125 Beaver House, 12 East Street, Epsom KT17 1BX
Telephone 01372 748490 | www.clfinescale.co.uk

Basingstoke Model Rail Show



Probably the biggest model railway show in North Hampshire

9th - 10th March 2019

Sat 10:00 – 17:00, Sun 10:00 – 16:00

Aldworth Science College

Western Way

Basingstoke

RG22 6HQ

Layouts of all popular gauges & era with trade and
society stands including 'Railway Modeller' magazine

Light refreshments, free car parking and a
heritage bus service from the railway station

Booked layouts include

Santa's Holiday
as seen on Channel 5 TV

Copenhagen Fields
from the Model Railway Club

Melton Mowbray (North)
from Leicestershire

Teign House Sidings
from Manchester

Readham
from Gloucestershire



Prices: Adult £6, Ch. £3, Family (2A+3C) £12

www.basingstokemrs.org



www.YorkModelrail.com

Precision laser cut architectural components and scenery detailing; helping you create your models

Unique range of laser cut parts, kits, tools & bespoke design service
Laser cut plastics, timbers & card produce perfect results, with realistic depth, intricate detail and longevity



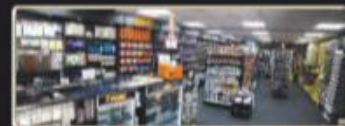
N, OO & O scales. Bespoke service for ALL other scales
Please visit our website to view all our products

York Modelmaking Printed price lists available 01904
Unit 13, Bull Centre, Stockton-on-the-Forest, York, YO32 9LE 400358

MODEL RAILWAY SOLUTIONS

Dorset's Newest Modelling Centre!

- All well known brands stocked.
- Free on-site parking.
- Gift cards available.
- See website for Online Shop, Modular Baseboards & Helix systems.
- We also purchase any unwanted railway items or collections.



Unit 1, 10-12 Alder Hills, Poole, Dorset. BH12 4AL. Tel: 01202 798068

www.modelrailwaysolutions.co.uk

Email: info@modelrailwaysolutions.co.uk

Trains4U.com

27 St. David's Square, Fengate, Peterborough, PE1 5QA

Open Tues-Fri 9:30-5:00, Sat 9:00-5:00, Sunday 10:30-3:30, closed Monday



Huge range of Models in N, OO & O. Used items bought & sold. Free parking

Come & see us at the Cambridge Model Railway Exhibition
On Saturday 6th April
10am - 4pm

At Sawston Village College,
New Road, Cambridge, CB22 3BP
Held by 31A Cambridge Model Railway Club



32-381L Class 37
37419 DB Schenker in OO
from Bachmann Branchline
Was £159.95
Now £139.95
Save £20.00

Options:
For DCC add £25.00 (Bachmann 21 pin decoder)
For Sound Fitted add £120
For Weathered add £35
Renumbering is also available - £POA

kibri NOCH Auhagen Tel: 01733 895989 e-mail: Trains4U@BTConnect.com

COMPLETE LIVERY TRANSFERS & ETCHED PLATES
IN 2MM/N, 4MM/OO + 7MM/O



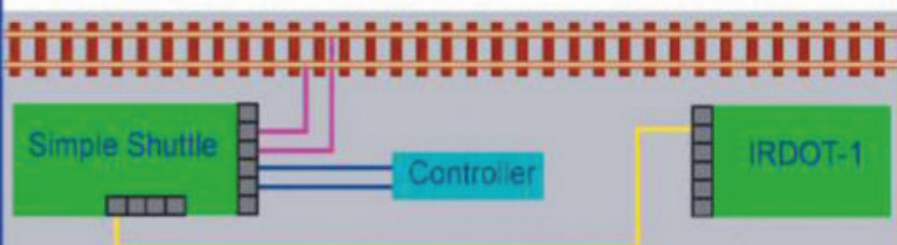
FOX TRANSFERS LTD • TEL +44 (0)116 319 4950

Unit 5, Priory Business Park, Wistow Road, Dept MR
Kibworth, Leicestershire LE8 0RX, ENGLAND callers by appointment
email: mail@fox-transfers.co.uk web: www.fox-transfers.co.uk



www.heathcote-electronics.co.uk

The **SIMPLE SHUTTLE** controls a train running backwards and forwards. Trains pause for an adjustable delay at each end of the line. The Simple Shuttle has built in infra red train detection. An IRDOT-1 provides detection at the other end of the line. Advantages include: works in light or dark and no modifications to track or rolling stock.



Wiring is simple. Apart from connections to a 12 to 16 volt (AC or DC) power supply the diagram shows all the wiring. The Simple Shuttle can also be used where there are sidings at one end of the line. A train arrives in one siding, the points automatically change and a different train departs after the delay. This uses a simple shuttle and an IRDOT-P at the end of every siding. Track power is obtained from a conventional controller.

Special offer, valid for this issue:

Simple Shuttle plus IRDOT-1 £31.50 including post

For fast trains where gradual slowing and acceleration are required we have a range of controls for shuttles with and without sidings, station stops, passing loops, automatic storage sidings etc.

We also have a range of infra red train detectors and signal controls for semaphore and colour light signals.

See our informative website for information about all our products

www.heathcote-electronics.co.uk

email: cah@heathcote-electronics.co.uk phone: 01538 756800
Heathcote Electronics, 1 Haydock Close, Cheadle, Staffs, ST10 1UE

Fully tested and guaranteed for 5 years

MORLEY CONTROLLERS

Experience the ultimate in controller technology!

VANGUARD ZERO ONE

- 2 x 5mtr hand held controllers
- 1 x 12V DC accessory
- O gauge
- Twin track

£127
PLUS £6.90 P&P



VESTA ZERO TWO

- 2 x 2.5mtr hand held controllers
- 1 x 12V DC accessory
- N gauge
- Twin track

£75
PLUS £4.80 P&P



VECTOR ZERO TWO

- 2 x 2.5mtr hand held controllers
- 1 x 12V DC accessory
- OO/HO/N/OO9 gauge (1 amp per track)
- Twin track

£75
PLUS £4.80 P&P



VORTRAK ZERO TEN

- 2 x 5mtr hand held controllers
- OO/HO/N/OO9 gauge (1 amp per track)
- 2 x 12V DC accessories
- Four track

£135
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 separate transformers for each track from 220/240 AC mains and on-board CDU for point motors.

www.morleycontrollers.com

(Secure order site)



01704 533 116
(Overseas enquiries +44 1704 533 116)



jet@morleycontrollers.com



PO Box 501, Southport, PR9 9ZL

Also at PO Box 1230, Wangara BC, Perth, Western Australia 6947

Tel: 0421 359 487. <http://aus.morleycontrollers.com>



Possibly Hampshire's Largest Stockist of Model Railways, Die-Cast, Books, Magazines, Scalextric and much more.

Monday: Closed
Tuesday to Saturday: 9.00am 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, DJ Models, Graham Farish, Heljan, Oxford Rail, Peco, Dapol, Ratio, Wills, Superquick, Metcalfe, Gaugemaster, Parkside, Railmatch, South Eastern Finecast, Woodland Scenics and many, many more.

DCC equipment from DCC Concepts, ESU, Gaugemaster, Hornby and Bachmann. Sound decoders from South West Digital.

Also stockists of Die cast models including:
Corgi, EFE, Oxford Die-Cast, Base Toys & Classix.

Modelling materials & tools.

Vallejo Model Colour
AK pigments and washes

Wide selection of books, DVDs, videos and magazines.

HOWES
MODELS LTD
— 75+! —
1939-2017

UNIT 16B, STATION FIELD INDUSTRIAL ESTATE,
ROWLES WAY, KIDLINGTON, OXFORD OX5 1JD
01865 848000, Open 09:00-17:00 Mon-Fri; close at 16:00 Sat

HOWES THIS FOR SOUND!

PROBABLY THE BEST AVAILABLE AND NOW THE BEST FOR LESS NEW LOW PRICE £99.99!

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.

**BR diesels, electrics, multiple units & steam –
huge choice – just visit us on-line to see
our full selection!**

Sound decoder with speaker - £99.99 for ESU/Howes V4.0
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 £179.99 inc speaker.

www.howesmodels.co.uk



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 FM Models
in South Korea, designed and
developed in conjunction with
L H Loveless*



www.55H.co.uk
www.loveless.co.uk

55H Unit 3 Fulford Business Centre,
35 Hospital Fields Road, York YO10 4DZ
Tel: 01132 761759 / John@55h.co.uk
01423 712446 / Lawrie@loveless.co.uk

55H is a TRADING NAME of FINE SCALE BRASS

9F IN STOCK NOW!



WHY WAIT AND PAY MORE?

4 versions, choice of numbers BR1G, BR1C, BR1D and BR1F tenders, single/double chimney and Tyne Dock, late/early crests.

£2300.00 DC
£2650.00 DCC & sound
£3000.00 DCC, sound &
sync. smoke



NOW IN PRODUCTION!



© Cliff Williams

In production for delivery early-2019 7MT "Britannia" class and 8P Duke of Gloucester, choice of names, tenders, smoke deflectors, front steps and crests. Fully finished by the factory and ready to run on delivery.

£2600.00 DC
£2950.00 DCC & sound (UK fitted)
£3300.00 DCC, sound &
sync. smoke

Harburn Hobbies, 67 Elm Row, Edinburgh EH7 4AQ
Tel. 0131 556 3233 Web. www.harburns.co.uk

P&P £3.00 per order

HARBURN HAMLET
OO & N
Acclaimed Accessories

Ready Made & Painted
Ready to Appreciate!

'OO' scale

HORNBY

Limited stock
order yours
now!

'OO' gauge

FL196 Corrugated hut £17.69

FL195 Foreman's office £18.14

FL186 Admin office £24.60

FL185 Bothy £16.58

Holmes J36 (NBR Class C)

R3621 L&NER lined black 722 £129.99

NEW!

R3622 early BR black 65311 'Haig' £129.99

R3600TTS preserved NB 673 'Maude' DCC & TTS sound £164.99

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 Parkside and Cambrian Kits
P4/EM Wheels available with Parkside Kits
Alan Gibson wagon and coach wheels in OO, EM and P4
Bulk Discounts on kits and wheels
Modelmaster Transfers
And So Much More

Visit our webshop www.eileensemporium.com

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

YouChoos
DCC Sound

BE THERE WITH
immersive Drive

Active braking
Dynamic & exponential inertia
Consistent function keys
Smoothed transitions
More sounds
Realistic shunt mode
Light-engine for steam
Notching for diesel
Mute (fade in/out)
Volume controls
and more...

Isn't it time you dived into the best DCC sound?

01380 530530
www.YouChoos.co.uk info@youchoos.co.uk

FROME MODEL CENTRE
Service and quality the way it should be
Established since 1986

QUALITY MODELLING PRODUCTS

We are one of the largest independent family run model shops in the country situated in the historic town of Frome.

We offer our customers the largest, most diverse range of modelling products under one roof with helpful & friendly service provided by our experienced team.

Model Railway Service & Repairs
Our experienced team are on hand to help with all General Enquiries & Technical Advice.

Buyers & Sellers of Second Hand Railway
One of the Largest Ranges of Model Railway Under One Roof

HORNBY **GRAHAM FARISH** **WILLS-KITS** **PECO** **GAUGEMASTER** **PLASTIC RATIO** **DAPO** **WILLS-KITS** **GAUGEMASTER**

FROME MODEL CENTRE
1-2 Catherine Street,
Frome, Somerset, BA11 1DA

FREE PARKING

OPENING HOURS
Tues-Sat: 10am-5pm
Sun/Mon: Closed

TEL: 01373 465295
Fax: 01373 451468
Email: sales@frome-model-centre.com

www.fromemodelcentre.com

f **VISA** **MASTRO** **PayPal**



Sig-naTrak®

Model railway electronics by GFB Designs

Our DCC controller - new features coming!

- ★ Up to 9999 train and 2044 accessory addresses
- ★ Trains and accessories can be named
- ★ Easy to use - elegant, clearly-labelled touch keys - clear, colour graphical display
- ★ Drive from the touch panel, or optional handsets
- ★ Generous 5A output!
- ★ Integrated USB interface!

The ACE-2 (DCS2044-2H)
 NMRA-compliant DCC controller with full decoder programming and reading.
 Compact: only 220x150x45mm!
 Computer control, XpressNet & LocoNet® under development!

and for accessories.....

The IMP (part no: DSI1001)
 Servo controller - DCC or DC. £16.00

The GEM (part no: DPD2001)
 Point motor - DCC or DC. £19.00

The DRIVER (BHS1204)
 ACE Handset. £28.00

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™

- DAC20 Accessory Decoder - 8 outputs, built-in CDU. £65.00
- 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
- TXC1 Turntable Controller - automatic indexing. £80.00
- MSC8 Scenery Animator - control lights, motors & servos. £30.00

67 Boddens Hill Road, Stockport, SK4 2DG
Tel: 0161 883 2022; fax: 0161 883 2077
 (Callers by appointment only, please.)
Email: info@signatrak.co.uk; Web: www.signatrak.co.uk



C&M Models

1 CROSBY STREET, CARLISLE CA1 1DQ Tel: 01228 514689
Web: www.candmmodels.co.uk E-mail: sales@candmmodels.co.uk
Opening hours: Tuesday to Saturday, 10.00 to 17.00
 Please note that our stocks are constantly changing and some of the models shown may no longer be available

MIKE PETT'S SUPERCASST OO MODEL RAILWAY FIGURES

NEW MODELS £1.99 each unpainted

Steam Era passenger	NEW Moriarty, joins our popular Sherlock Holmes & Dr. Watson figures	Steam Era worker	NEW Postman	Michael Portillo and his NEW Camera man	NEW O Gauge Loco Crew, Fireman & Driver, £9.50 each painted, £8.50 each unpainted
---------------------	--	------------------	-------------	---	---

VOTED WINNER OF MODEL RAIL 2017 NATIONAL AWARDS SCENIC ACCESSORY OF THE YEAR

HAND PAINTED MODELS 'OO' Gauge £4.99 each

VIP Passengers Holmes & Watson	Modern Track Worker	Brunel 00 and 0 gauge	NEW AA/RAC man	NEW Sikh passenger and wife. Painted £4.99 each	Sitting Driver (Seat not included)	Fireman with removable shovel and Loco Driver	NEW Steam Era Policeman
--------------------------------	---------------------	-----------------------	----------------	---	------------------------------------	---	-------------------------

Painted OO Gauge £4.99 each, Unpainted OO Gauge £1.99 each, Painted O Gauge £10.50 each, Unpainted O Gauge £8.50 each
 MINIMUM ORDER 2 FIGURES. Post & Packaging: O Gauge figures £3.99 - OO Gauge figures £2.75 Trade Enquiries Welcome.
 Please make cheques and PO's payable to: Mike Pett, 12 Chatham Street, Ramsgate, Kent, CT11 7PP
 01843 593417 Mob: 07976 724225 Email: mikepettsupercast@gmail.com

MegaPoints Controllers

Awesome layout control system

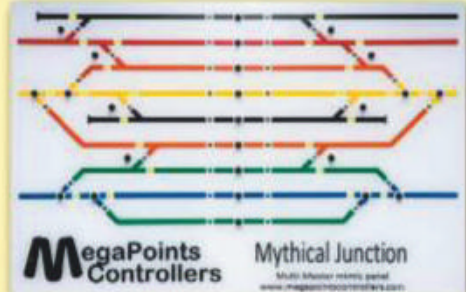
Control your model railway from one or more tactile control panels

- 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.

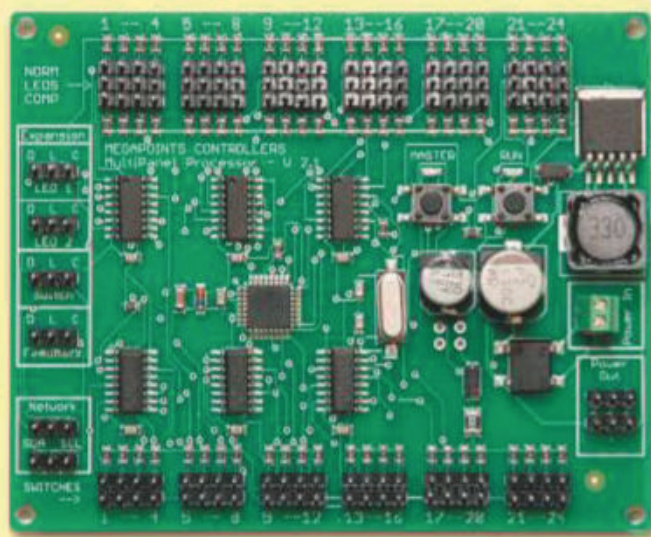
See website videos and product pages for more information.
 Our single MultiPanel control board does it all! →

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.



Your bespoke mimic panel



Size 8cm x 10cm

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

MARCWAY POINTWORK

PROFES
Est.
54
years

RENOWN FOR QUALITY UNRIVALLED EXPERTISE
IN TRACK AND POINTWORK

Ranges available in gauges 1, 0, SM32, 00, EM, HO 0-16.5.
All are ready to run and spray finished. SAE or phone for leaflet.

MARCWAY 0 Gauge Pointwork

Handcrafted with code 125 bullhead nickel silver rail matching Marcway, Peco and C&L 0 gauge track. Built as per all our ready to run pointwork ranges with live frogs, are self isolating and rail built throughout with no cast or moulded parts. Extensive standard range including 3 ways, slips, crossings, curve points etc. L & R point start at £52.50.
Introduction offer 4x72" or 48" points £190.00

MARCWAY 00 & EM Pointwork

Handcrafted in either 00 or EM gauges with code 75 nickel silver Bullhead rail and to match to SMP Scaleway track. The 00 range are built to take Hornby, Bachmann, Lima as well as finescale wheel standards. EM are set to the normal fine settings. Range includes slips, 3 ways, curve points etc. Construction & finish as per 0. Prices start at £29.50 for L or R.
Introductory offer 4 or L or R, hand 36" or 48" points for £108.00.

S
M
P

& MARCWAY
SCALE FLEXIBLE TRACKS

Injection moulded plastic based. Finely detailed and proportioned to capture bullhead trackwork of the British Steam era.

0 Gauge 0 Track 125BH Rail Nickel Silver. Box of 10 yards..... £65.00

J Scaleway 00 Track 75BH Nickel Silver Rail. Box of 10 yards..... ~~AUTUMN OFFER £46.50~~ NOW £39.50

K Scaleway 00 Track 75BH Phosphor Bronze Rail. Box of 10 yards..... £46.50

L Scaleway EM Nickel Silver Track 75BH Box of 10 yards..... £46.50

M Scaleway EM Phosphor Bronze Track 75BH Box of 10 yards..... £46.50

P4 18.88 + 19.33 75BH Rail. Boxes of 10 £49.00

Custom Pointwork

We construct custom pointwork & junctions in any gauge to your required specifications. All gauges from G to 009 including Dual Gauge & American 0 & Narrow Gauges. PHONE MARC ON 01709 542951 (not always manned)

TECHNICAL & CUSTOM POINTWORK

POSTAGE EXTRA COST.

MARCWAY SCALE MODELS

Open 10-4 - 6 days for more information go to marcway.net

Phone or Post your order. Full Marcway Pointwork list

HORNBY & SCALEXTRIC MAIN AGENTS Peco Farish Gaugemaster Bachmann etc. Sets, Train Packs Locos and Rolling Stock. Track Controls and Accessories etc. Also modellers tools, airbrushes, paints, plastic, metal and wood section and sheet.

Secondhand equipment bought and sold. Vast selection combined with helpful & friendly service. Free technical advice by phone or in store.

SITUATED 2 MILES FROM M1 JUNC 34 (Meadowhall Exit) 200yds from Attercliffe Tram Stop
Visit our spacious shop - vast selection of equipment in all gauges

598-600 ATTERCLIFFE ROAD, SHEFFIELD S9 3QS

EM, NARROW GAUGES ETC. - SAE OR TELEPHONE FOR LEAFLET - CRAFTSMAN BUILT IN OUR ON WORKSHOP

Illustrated Catalogues Including Post
OO, 009 (1/76th) Full Colour £6
N (1/148th) Full Colour £5
O (1/43rd) Full Colour £4

Mail Order By Return P+P £4,
over £40 Post Free. Unpainted metal
kits-glue with epoxy glue (£7)

OO SCALE

Guards Band Figs £11.90, Horse & Plough £8.40,
Victorian Upper Class Figs £7.55,
Vic Railway Figures £7.55
loads of kits in our illustrated colour
catalogue or website
www.langleymodels.co.uk

LANGLEY MODELS

166 Three Bridges Road, Crawley, Sussex, RH10 1LE
Tel 01293 516329 www.langleymodels.co.uk

Assorted Garden Greenhouses..... £11.60 Assorted Garden Sheds £11.00 10 assorted Hikers..... £7.40 10 Clergymen & Choirboys..... £7.40 2 Horses (no harness)..... £4.35 8 coal or potato Sacks..... £4.80 Cliff Railway-Coaches,accessories..... £150.75 Pavilion building(cricket, café, scout etc)..... £39.05 Fisherman & Equip (rods, box & shelter)..... £7.90 4 ass. Scooters & riders (Mods)..... £12.55 4 ass. Motorcycles & riders (Rockers)..... £12.75 Suburban Station Building (brass)..... £39.05 6 assorted Golfers & Equipment..... £8.15 assorted Lawn Bowls Teams..... £5.40 First Aid Set (St John Ambulance)..... £6.05 Army personnel - On Fatigues 40/50's..... £6.05 Army personnel - On Parade-Attention..... £6.05 Army personnel - On Parade-At Ease..... £6.05 6 Builders/tradesmen figures..... £5.55 6 Painters & Plasterers..... £5.55 8 Pavers & Fencers..... £7.05 Welders & equipment..... £5.55 Workmen on ladders..... £7.05 Road Repair & Surveying - 6 figs etc..... £5.50 40/50's 6 women working (housewives)..... £5.50 Football match (25 figures inc referee)..... £18.40 Football Supporters (10 figures)..... £7.55 In Bad Taste (adults only) (8 figs, 1dog)..... £7.55	Painted 3 Modern Pillar Boxes £7.40 Painted Horse Trough £6.50 Painted 2 x Village Water Pumps..... £6.05 Painted Single Head Traffic Light..... £6.55 Painted Twin Head Traffic Light..... £6.85 Painted Police Telephone box (resin)..... £14.50 Painted Hunt Scene 2 mounted riders..... £10.20 Painted Hunt Scene 6 Assorted Hounds..... £9.05 Painted Cricket Game 15figs..... £34.05 Painted Cricket Sight Screen..... £15.50 Painted Cricket Score Board..... £8.80 Painted 6 x Seated Cricket Figs waiting..... £14.30 Painted Morris Dancers..... £27.25 Painted Loco Spotters(3) & 8 Kids..... £27.25 Painted Lych Gate..... £13.35 Painted Church Notice Board & Crucifix..... £10.75 Painted War Memorial..... £10.75 Painted Gardeners (4 figs & equipment)..... £13.10 Painted Blacksmith and equipment..... £39.45 Painted 4 Soldiers Marching..... £9.95 Painted 1 Officer for Above..... £2.85 Painted 1 Mounted Officer..... £5.60 Painted 6 Sitting Figures..... £14.30 Painted 6 x Standing Figures set 1..... £14.30 Painted 6 Standing Figures set 2..... £14.30 Painted 6 x Standing figures set 3..... £14.30 Painted Punch & Judy Tent and Figures..... £16.90 Painted 4 Sheep..... £7.35 Painted Shepherd, dog & 4 Ass Sheep..... £11.60
--	---

N Scale Double
Crossing Gates £5.00
Zoo Giraffes &
Camels £8.35
Elephants £8.35
Circus Figures £4.70

Painted Loading Gauge..... £5.60

Painted 2 x Station Seats with 2 figures..... £7.40

Painted Yard Crane..... £7.70

Painted Telephone box x 1..... £4.60

Painted Pillar Boxes 2 off..... £4.60

Painted Single head Traffic Light x 4..... £7.30

Painted Twin head Traffic Light x 4..... £7.40

Painted Police Telephone box..... £5.60

Painted AA Box..... £5.60

Painted Ballast Boxes (two wooden boxes)..... £5.80

Painted trackside relay boxes..... £5.70

Painted War Memorial..... £6.45

Painted 2 Plain Horses (unharnessed)..... £6.35

Painted Loco Crew..... £4.25

Painted Swans & Ducks x 4 each..... £6.85

Painted Washing Line & Figure..... £7.50

Painted Wild Animals..... £7.40

Painted Assorted Seagulls x 8..... £6.95

Painted Dogs 6 off..... £6.85

Painted 6 x Pigs..... £6.45

Painted Sheep 8off..... £6.95

Painted Chickens 10 off..... £6.95

Painted Funeral Scene..... £9.85

Painted Wedding Scene..... £19.25

Painted Cricket Game..... £28.40

Painted Church Notice board & crucifix..... £7.90

Painted Lrg Wooden (Oak) Barrels x 4..... £6.45

White Wedding Scene..... £4.60

Cricket Game Figures..... £6.45

Cricket Sight Screen and Scoreboard..... £6.45

2 Horse Plough and Ploughman..... £5.00

15 ass Loco Lamps (square, round, guard)..... £2.90

30 shell vents (extra detailing for coaches)..... £2.90

20 torpedo vents (extra detail for coaches)..... £2.90

Ass Loco Vacuum Pipes..... £2.90

Childrens Playground & figures..... £9.25

Church Lych Gate..... £4.90

Church Notice Board & Crucifix..... £3.95

Forresters saw horse set and axe..... £4.65

6 Large (50 gallon) Oak Barrels..... £3.95

Water Butt and 5 Tubs..... £3.95

12 Wharfside Bollards..... £3.95

Lifebelts & Stands..... £3.95

12 Chimneys(round/tapered/Hexagonal)..... £3.45

Welding Figures & Equipment..... £4.70

2 Relaxed Loco Crew..... £1.85

5 x Gardeners & Equipment..... £5.00

Flower pots and tubbs & gardening equip..... £5.30

7 x Figures in working poses..... £5.00

9 x Ass Standing Station figures..... £5.20

Gantry Hoist..... £5.50

New Gibbet Crane (wall or floor mounted)..... £4.70

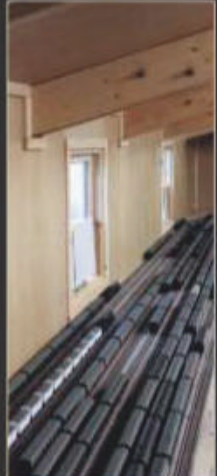
Air Compressor and Electricity Generator..... £6.70

THE PERFECT LOCATION FOR A MODEL RAILWAY

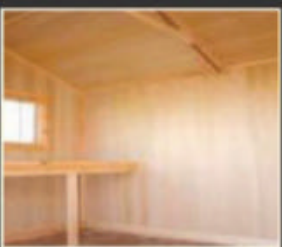
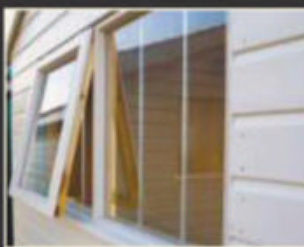
CRANE

GARDEN BUILDINGS





• SHEDS • WORKSHOPS • SUMMERHOUSES • GARAGES • STUDIOS •


Our buildings are exceptionally strong and robust, built with the highest quality timber in either a standard design or one to suit your particular needs. We can line and insulate your building as well as fit an electrical pack and heater for year round use. Our unique security pack ensures total security for your model railway; we fit window bars into the window frames, use non-returnable screws on our hinges and fit a 7 level lock, (anti-prising, anti-cropping, anti-picking, anti-sawing) which uses a unique key.

NATIONWIDE FREE DELIVERY AND
INSTALLATION

www.cranegardenbuildings.co.uk

Telephone 01760 444229

140

DISPLAY TO ADVERTISE CALL GEMMA SMITH ON 01733 366370

Model Rail 258 2019

Colour-Rail photo library
100,000 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



Isinglass
 Isinglass-Models.co.uk

3D printed carriage body kits, updated 2019,
 LNER Scale Drawings.
 Bespoke Components (CAD work and 3D printing)
 New GN Quad-arts kit - Email for info

27 Grange Road, Toddington, Dunstable LU5 6BZ
 Email: Andy@Isinglass-models.co.uk



FMR
 FRIZINGHALL MODELS & RAILWAYS

Hornby & Bachmann 2019 New Releases
 Ready to Pre-Order Now **NEW PRODUCTS**

32-216a GWR 57XX Pannier Tank 5775R BR Black.....	£97.71
31-168a L&YR Class 5 Tank 10730 LMS Crimson Lake.....	£110.46
31-976b BR Std 3MT Tank 82041 BR Lined Green.....	£118.96
32-875a LMS Fairburn Tank 2245 LMS Black.....	£127.46
31-460a Branchline SE&CR C Class 583 Lined Green.....	£191.21
31-932 LMS 4P Compound 41123 BR Lined Black.....	£152.96
31-215 LMS 5P Patriot 5551 'The Unknown Warrior'.....	£161.46
32-852a Class 9F 2-10-0 92069 BR Black 'Weathered'.....	£182.71

HORNBY OO

R3642 BR Coronation Class 'Duchess of Montrose'.....	£170.99
R3693 Sherwood Colliery Co. Peckett B2, 'Sherwood'.....	£98.99
R3694 Associated Portland Cement Peckett B2 Class.....	£98.99
R3695 National Coal Board Peckett B2 Class Era 3.....	£98.99
R3702 PO Tytherington Stone Co. Peckett W4 'Daphne'.....	£89.99
R3709 LMS Princess Royal 4-6-2 'Princess Elizabeth'.....	£170.99
R3716 BR Merchant Navy Class 'Holland America Line'...	£161.99
R3761 Earl Of Dudley's Round Oak Works Peckett W4.....	£89.99

GRAHAM FARISH N Gauge

371-986a GWR 64XX Pannier Tank 6422 BR Black.....	£89.21
372-755 Class 4MT 'Fairburn' 2-6-4 BR Black.....	£123.21
372-403a LNER J39 with Stepped Tender BR Black.....	£114.70
372-065 Class 4F 0-6-0 43931 BR Black 'Weathered'.....	£123.21
371-013 Class 08 13287 BR Green, Early Emblem.....	£93.46
371-184 Class 40 40012 'Aureol' in BR Blue.....	£131.71
391-030 Baldwin 10-12-D Tank Snailbeach District Black...	£144.45

OO9

391-031DS Baldwin 10-12-D Tank Welsh Highland Maroon...	£208.20
391-032 Baldwin 10-12-D 'Sid' SR Maunsell Green.....	£131.70

www.modelrailshop.co.uk
 Tel: 01274 747447
 Email: shop@fmrdirect.co.uk

Discovery House, Unit 8A
 Sapper Jordan Rossi Park, Baildon
 West Yorkshire, BD17 7A

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

DB MODELS LTD.

01778 420 066

07723 336344

email: pre-owned@dbmodels.co.uk

THE MODEL RAILWAY SPECIALISTS

Unit 3 The Arena, Roman Bank, Bourne, Lincolnshire, PE10 9LQ

Visit our website

www.dbmodels.co.uk

LX208-00 Water Tower Kit

LASER CUT OO SCALE KIT



Includes a choice of tank configurations & finishes

Only £10.49 + P&P

scalemodelscenery.co.uk

Order online or call **01530 456952**

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-Fri 10am-5pm & Sat 9am-4pm

TRAINTEES

LEISUREWEAR WITH A RAILWAY THEME



THE WIDEST RANGE OF RAILWAY THEMED LEISUREWEAR IN THE U.K. SHORT AND LONG SLEEVE TEE-SHIRTS, SWEATSHIRTS & POLOS. VIEW & BUY ONLINE OR PHONE 01793 764091 FOR ORDER FORM

www.traintees.co.uk

THE HOBBY SHOP

Est. 1988

www.hobb-e-mail.com **01795 531666** **info@hobb-e-mail.com**



85 Preston Street, Faversham, Kent, ME13 8NU

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, PECO, DAPOL, HELJAN

BICYC-LED
 OO/HO & N Cycles & M/cycles with working lights!!
 See our webshop for details
 Easy Free parking!!
 Open Mon - Sat 9.30 to 5.00

CONTINENTAL RAILWAYS
 FLEISCHMANN, Roco, BRUNO, TRIX, herpa, FALLER, Preiser
 PLUS MANY OTHER RANGES OF SCENIC MATERIALS, BUILDINGS, VEHICLES etc



= TEN COMMANDMENTS =

TRACK CLEANING WAGONS
 PERFECT FOR HIDDEN SIDINGS, TUNNELS ETC. CLEANS YOUR TRACK WITH NO EFFORT. SIMPLY HOOK WAGON UP TO A LOCO AND RUN ROUND. NO CLEANERS / SOLVENTS REQUIRED. CLOTH PADS CLEAN TRACK GRIME AND DIRT. ONCE PADS ARE DIRTY SIMPLY PEEL OLD ONES OFF, CUT REPLACEMENTS FROM THE SHEET PROVIDED (SELF ADHESIVE) AND STICK IN PLACE
OO GAUGE £40 - N GAUGE £40

FOAM LINED STOCK STORAGE BOXES
 WE NOW SUPPLY FOAM LINED STOCK STORAGE BOXES. TOTAL PROTECTION FOR YOUR ROLLING STOCK IN TRANSIT. SEE WEBSITE FOR FURTHER DETAILS
OO GAUGE from £18 - N GAUGE from £20

NEW CCTV & LAMPS RANGE - OO GAUGE
 A NEW RANGE OF HAND BUILT AND PAINTED CAMERAS AND LAMPS (NON WORKING) NO ASSEMBLY REQUIRED. SIMPLY MAKE APPROPRIATE HOLE IN BASEBOARD AND GLUE IN PLACE. SEE WEBSITE FOR FURTHER INFORMATION AND PICTURES

L235	CCTV CAMERA ON POLE	£5.95
L241	CCTV CAMERAS - 2 X WALL MOUNTED	£3.50
L242	LEVEL CROSSING CAMERAS	£6.50
L244	CAR PARK / YARD LIGHTS X 2	£4.00

SEE US AT DONCASTER, MODEL RAIL SCOTLAND, PRESTON AND YORK

TEN COMMANDMENTS, 20 STRUAN DRIVE, INVERKEITHING, FIFE, KY11 1AR
 Tel: 01383-410032 Email: tencommandments@btinternet.com
 TELEPHONE ORDERS MONDAY - THURSDAY 10AM-7PM

www.tencommandmentsmodels.co.uk

SIMON'S TRAINS

The Holsworthy model shop offering a first class service

Simonstrains.co.uk

BRAND NEW WEBSITE
 OO, OO-9, HOe and N
 New and Secondhand
 Plastic kits Balsa Wood
 Paints, glue and more!

HORNBY, PECO, HELJAN, DAPOL, GRAHAM FARISH, AIRFIX

Tel: 01409 255510 Open 10am - 4pm Tuesday to Saturday

6 Bank House, Chapel Street
Holsworthy, Devon EX22 6AR

ST

TO ADVERTISE IN

MODEL RAIL

PLEASE CALL

GEMMA SMITH

01733 366379

MODEL RAIL Marketplace

CALL VICTORIA ON 01733 366395 • victoria.matthews@bauermedia.co.uk

Books & DVD's

Railways Buses **Aviation Canals**

Dereks Transport Books
All Transport Subjects Covered
www.derekstransportbooks.com
Over 8000 Books in Stock On-line
Based in the New Forest
Established 1995

Shipping Commercial **Motoring Vehicles**

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

DCC

Mark's Trains

A RENOWNED SPECIALIST DCC CONVERSION SERVICE

- All scales and budgets • Friendly, reliable service
- Quick turn-around • Servicing and repairs • Weathering
- Resprays • Kit building service • Zimo, ESU & Lenz dealer

www.marks-trains.co.uk

Contact Mark: 07515 436396 • Email: info@marks-trains.co.uk

Fun Day Outs

STOWMARKET RAILWAY CLUB

Model Railway Exhibition
Mid Suffolk Leisure Centre, Gainsborough Road,
STOWMARKET, Suffolk. IP14 1LH
Sunday 28th April 10.30am - 3pm
Admission £5.00 for Adults and £2 for Under 16's.
Wheelchair access, free parking, refreshments,
16 layouts appearing and various trade stands.
Organised by Stowmarket Railway Club
For further information call 01449 672698
www.stowrailclub.org.uk

16TH MARCH 2019
Gateshead Stadium NE10 0EF
Entry £3 Adults, Children
& Seniors £2. Early Entry £5
10am-3pm
Call Jim on 07504035955

Kits

BRANCH LINES

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 £61.00
Drewry '04' diesel complete p/deal £76.50
BR mogul & tender complete p/deal £98.50
City of Truro complete p/dea £99.95
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 £2.25 (value under £30), £3.50 (£30 to £60), £4.50 (over £60).
Non EU and BFPO less VAT. Exports £4.00 minimum.
VISA, MASTERCARD, SWITCH/MAESTRO, SOLO
EXPORTS WORLDWIDE
Hours: Mon-Thursday: 9.30-1, 2-6

I am sorry to say that our website has been hacked and as the provider has failed to help, I have had to withdraw the site. However a temporary site should have been set up by the time that you read this.

We have a number of new items So do come and see these...

Or call 01372 817 504
www.emardee.org.uk

Kits

- 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

Isle of Wight Railway Beyer-Peacock 2-4-0T,
All metal, etched nickel chassis £89.95,
NEW, LBSC 'D3' 0-4-4t, fits M7, £40
LBSC 'J' 4-6-2t, Resin & cast metal, £50
SR 'W' 2-6-4, fits Bachmann 'N' £45
Above not on website, email for invoice
Expert Building, Painting & lining services
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

Online Shops

Triang 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

Repairs

MOTOR REPAIRS
HORNBY, DUBLO, WRENN & TRIANG MOTORS
Repaired, rewound & remagnetised.
Also DCC chips installed and
old Triang wheels updated.
OO Locos serviced from £17.50 plus parts & post

SCALESPEED Est 1966
32 Goldfinch Lane, Lee on the Solent, Hants PO13 8LN
Tel 02392 554107 / 07774 253352
Web www.scalespeed.co.uk
Email scalespeed@btinternet.com

Online Shops

Howard Scenic Supplies
Your first stop for model railway scenery

NOCH FALLER Preiser HORNBY Heki Printers Backscenes

Visit our website to see our large range of
Model Figures, Backscenes, Trees, Model Kits & More!

www.howardscenicsupplies.co.uk

roxeymouldings.co.uk
Loco, Coach & Wagon Kits
Fittings & Accessories
Wheels / Motors & Gears
in OO and O
Tel: 01932 245439

MODEL RAIL

Dealer Directory

Bedfordshire

AGR Model Railway Store Ltd
Order Online today
www.agrmodelrailwaystore.co.uk
9 High Street Mews, 28 High Street,
Leighton Buzzard, Bedfordshire LU7 1EA
01525 854788
sales@agrmodelrailwaystore.co.uk
Monday - Friday 9am-5pm. Saturday 9am-4pm
NOW buying your unwanted model railway collections

Buckinghamshire

P & D MARSH MODELS

PAINTED OO GAUGE	PAINTED N GAUGE
PDZ07 Postman, bike & postbox £8.75	PDX51 Cyclists (2) £7.60
PDZ12 Trackside signs (4) £8.25	PDX56 Gravestones (8) £6.00
PDZ19 Loco crew (2) steam £9.00	PDX68 Forklift truck £7.00
PDZ28 Window cleaner/ladder £7.15	PDX69 Traffic lights single £5.50
PDZ32 Firebuckets on stand (2) £7.50	PDX70 Traffic lights dble £6.50
PDZ36 BP style petrol pumps £8.75	PDX80 Benches (4) £5.80
PDZ39 Coalmen & scales £8.25	PDX82 Water crane platform £6.25
PDZ40 1950/60 Firecrew/hoses £10.45	PDX83 Water crane ground £6.25
PDZ103 1950 motorbike/rider £8.00	PDX351 GWR home signal £8.35
PDZ50 Loaded platform trolley £8.25	PDX354r RH junction signal £15.95
PDZ51 Barrels (6) £6.95	PDX361 Ground signals (5) £8.00

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

Cheshire

TRIDENT TRAINS

No10, The Craft Arcade, Dagfields Craft Centre,
Crewe Road, Walgherton, Nantwich,
Cheshire. CW5 7LG
www.tridenttrains.co.uk
HORNBY • BACHMANN • HELJAN • FARISH • DAPOL • PECO • LENZ
• TCS • GAUGEMASTER • METCALFE • RATIO & MUCH MORE
01270 842400

Cumbria & Lake District

Limited edition OO wagon
North Lonsdale Tar Macadam,
Ulverston

£13.25 & P&P
Only available from
Crafty Hobbies
54 Cavendish Street, Barrow in Furness
Cumbria LA14 1PZ. Tel **01229 820759**

Jacksons Models
and Railways

Hornby, Bachmann, 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

Devon

THE MODEL SHOP

Specialist Model Railway Stockist
4 ST DAVID'S HILL, EXETER EX4 3RG
 Just off the Old Iron Bridge
NOW AGENTS FOR
NCE DCC CONTROLS
www.trainsandtrack.co.uk
Tel: 01392 421906
 Open: Monday-Saturday 9.30-5.00 pm

Isle of Wight

Visiting the Isle of Wight?

Two floors of
 engines, wagons, coaches, buildings,
 scenery, electrics, figures, cars
 and much more!

N/009/HO/00/On30/G

UPSTAIRS DOWNSTAIRS

Pier Street - Sandown - PO36 8JR
 01983 406 616 - www.udlow.com

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

Somerset

EAST SOMERSET MODELS

THE RAILWAY STATION,
 CRANMORE, SHEPTON MALLET,
 SOMERSET, BA4 4QP

"MODEL RAILWAY SPECIALISTS"

We carry comprehensive stocks from the major manufacturers

Bachmann, Farish, Dapol, DJModels, Oxford Rail, Heljan and Peco

We also hold a large range of modelling accessories, vehicles and scenic materials

Wednesdays and Saturdays 10.30am-4pm - Sundays 11am-3pm

(See our Website/Facebook Page for other opening days)

Telephone: 01749 880651 - www.esmodels.co.uk - Email: mail@esmodels.co.uk

Essex

CHELMSFORD

JOHN DUTFIELD

Stockists of: **HORNBY**

• Peco • Bachmann • Lenz • Graham Farish • Wills • Ratio
 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



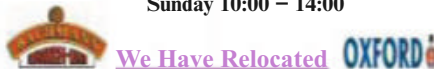
Large stock of new & used railway items

Die-cast, Plastic Kits. Also RC Cars.

Open 7 days a week

Monday - Saturday 9:00 - 17:30

Sunday 10:00 - 14:00



A warm welcome awaits you

Email: modelshop117@gmail.com
 65 Kingston Road, Portsmouth, PO2 7DX,
 Tel No: 023 92738 111

CHURCH STREET MODELS

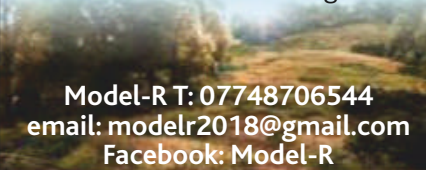
A wide range of New OO & N gauge
 Incl. Hornby, Bachmann, Dapol,
 Farish, Heljan, Oxford & much more
Mon-Sat 09.30-17.30 (Tues Dec Only)

**10A Church Street, Basingstoke,
 Hants RG21 7QE. 01256 358060**
www.churchstreetmodels.co.uk

Norfolk

MODEL - R STUDIOS

Custom built scenics, dioramas,
 model layouts, scale model
 structures and buildings



Model-R T: 07748706544

email: modelr2018@gmail.com

Facebook: Model-R

North Wales

RHUDDLAN MODELS

Model railways,
 Games workshop, Diecast models
 (Corgi-Dinky-Matchbox),
 Plastic kits (Airfix-Revell etc)

**NEW AND USED ITEMS
 BOUGHT AND SOLD**

High St, Rhuddlan

Tel: 01745 590048

www.rhuddlanmodels.co.uk

Staffordshire

TUTBURY MODELS

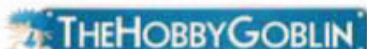
COLLECTABLES **01283 814777** MODELS

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.



New Retail Outlet

STOKE-ON-TRENT

54 Hamil Road, Burslem, ST6 1AU

Hornby, Bachmann, Peco, Dapol, Gaugemaster,
 Graham Farish, Metcalfe and much more!

Telephone: 01782 818433

E-mail: thehobbygoblin-uk@hotmail.com

www.thehobbygoblin.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

Surrey

COACH LIGHTING



DCC kit £4.10 DC kit £4.90 • 4 coach extension kit for above £5.20

Now available 'N' gauge

07801 796864

105 Charlock Way, Burpham, Guildford, Surrey. GU1 1XY

coach-lighting.com

Tyne & Wear

Pooleys Puffers

Model Railway
 Supplies, New &
 Secondhand
 Bought & Sold

Diecast Models
 Kits &
 Accessories
 Proprietors David & Anne Poole

Tele: 0191 4910202 Mobile: 07976 519178

www.pooleypuffers.com e-mail: pooleypuffers@btopenworld.com

382a Jedburgh Court,

Team Valley Trading Estate,

Gateshead, Tyne and Wear NE11 0BQ

Mon-Sat 10am-4pm - Sunday 11am-4pm

When attending exhibitions shop will be

closed FRI/SAT

Please phone for opening times.

All major credit cards accepted.

Part exchange welcome

WE NOW STOCK BACHMANN

PECO HORNBY GAUGEMASTER

DAPOL JAVIS METCALFE

SUPERQUICK WILLS RATIO

Kent

KENT GARDEN RAILWAYS

Specialist suppliers of
**G scale and 16mm
 garden railways**

LGB ♦ Accucraft

Bachmann

Aristocraft ♦ Piko ♦ Pola

Roundhouse

USA Trains, etc.

Large stocks of OO and N
 from all leading suppliers

Hornby ♦ Bachmann

Farish ♦ Heljan

Peco ♦ Dapol

Metcalfe ♦ Ratio

Wills ViTrains

Woodland Scenics, etc.

American HO and N from leading suppliers

www.kgrmodels.com

66 High Street, St Mary Cray, Orpington, Kent BR5 3NH

Telephone: 01689 891668

Shop open: Monday to Saturday 09:00 to 17:00

**Don't miss the next issue of
 Model Rail on sale
 14 March**

MODEL RAIL



Follow us on

twitter



Find us on

Facebook

ADVERTISERS' INDEX

AC Models	134
Alton Model Centre.....	137
Anoraks Anonymous.....	135
Anything Narrow Gauge.....	142
Basingstoke Model Railway Society....	135
C&L Finescale	135
C&M Models	139
Coastal DCC	138
Colour Rail.....	141
Crane Sheds & Summerhouses	140
DB Models	141
Dapol	15
Durham Trains of Stanley	135
Eileen's Emporium.....	138
Ellis Clark Trains	130-131
Express Models.....	133
Finescalebrass	137
Fox Transfers	136
Frizinghall Models & Railways.....	141
Frome Model Centre	138
Gaugemaster	122-123, 148
GFB Designs	139
Golden Valley Hobbies	132
Harburn Hobbies	138
Harder & Steenbeck	20
Hatton's.....	84, 114-121
Heathcote Electronics.....	136
Hornby Hobbies.....	2
Howes Models	137
Intermodellbau 2019	35
Irish Railway Models.....	39
Isinglass Models.....	141
Kernow Model Rail Centre.....	77
KR Models	109
Langley Models	140
Leamington & Warwick Model R'ys	134
Marcway Pointwork	140
Mega Points Controllers.....	139
Meridienne Exhibitions.....	133
Metcalfe Models	124-125
Mike Pett's Supercast.....	139
Model Railway Solutions	136
Modelrailwayscenery.com	142
Modula Layouts	133
Morley Controllers	136
Morris Models	142
Osborn's Models.....	135
Peter's Spares	134
Rails of Sheffield.....	126-129
Ron Lines	142
Scalescenes.com	134
Ten Commandments.....	142
The Airbrush Company.....	113
The Hereford Model Centre	55
The Hobby Shop.....	142
Townstreet	134
Trains4U	136
Train-Tech	133
Train Tees.....	142
Warwick & Warwick	147
York Modelmaking	136
YouChoos.....	138

CLASSIFIED INDEX

Classified advertisers on pages 143-144

AGR Model Railway Store	Modelr
Branchlines	Monk Bar Model Shop
Church Street Models	Nick Tozer Railway Books
Coach Lighting	Orwell Model Railways
Connoisseur Models	P&D Marsh
Crafty Hobbies	Pooley's Puffers
Dave Angell Trains	Redcar Models & Hobbies
Derek's Transport Books	Rhuddlan Models
East Somerset Models	Roxey Mouldings
Golden Arrow Productions	Scalespeed
Howard Scenic Supplies	Stowmarket Railway Club
Jacksons Models	The Hobby Goblin
Jim Corr	The Model Shop (Exeter)
John Dutfield For Model Railways	The Model Shop (Portsmouth)
Kent Garden Railways	The Tutbury Jinny
Mark's Trains	Trident Trains
Model Railway Developments	Upstairs Downstairs



D. TREVOR ROWE

Present your case

If there's a locomotive that you think needs to be offered ready-to-run, here's the place to voice your opinion...

Locomotive: LNER 'J6' 0-6-0

Gauge: '00'

Proposed by: David Somers

What is it?

There are 0-6-0s from all over the country available in '00', including many from LNER constituent companies. But the lack of a Great Northern Railway 0-6-0 is, to me, a glaring omission. For any LNER Southern Area modeller, I feel that the LNER 'J6' (GNR 'J22 - 536 series') is an absolute must.

The 'J6' was the first GNR locomotive with superheater and piston valves, and they entered service in 1911. Nigel Gresley took over from H.A. Ivatt at the end of the year and continued to build 'J6s', but those built under his authority had the boilers positioned further back, with a correspondingly short cab. These were dubbed 'J22 - 536 series' and construction continued until 1922.

BR inherited all 110 of what LNER would refer to as the 'J6'. There were 15 of Ivatt's design and 95 of Gresley's. They were numbered in the 64170-64279 series.

What would make it viable?

Any manufacturer choosing the Gresley 'J6' would be dealing with a class that requires very few detail alterations - essentially Ramsbottom or Ross 'pop' safety valves - despite their 50-year career. They would have three liveries to apply - GNR, LNER and BR - and nearly 100 numbers to choose from.

If a manufacturer chose to produce the original Ivatt version, the biggest difference would be the position of the boiler and the subsequent change of cab. Neither would be impossible to change using today's model manufacturing techniques.

'J6s' would suit layouts set in Nottinghamshire, Lincolnshire, Yorkshire and Greater Manchester, as well as those depicting parts of the East Coast Main Line. They were used on the old M&GN system and visited Norfolk. They also appeared in Tyneside and Scotland during the Second World War. They were hugely versatile machines and were equally at home on heavy goods trains or tightly timed suburban passenger duties. They were often used as emergency replacements for failed locomotives on more important services - so you even have the perfect excuse to put one on at the head of an ECML express!

Can I see a real one?

The first 'J6s' were not withdrawn until 1955 and the whole class disappeared between 1958 and 1962. Sadly, they were all sent for scrap.



Have your say

Do you agree with David's argument? Go to www.facebook.com/modelrail or www.titter.com/modelrailuk and post your verdict.

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.



N. STEAD COLLECTION

Backscene

Musings we couldn't fit into the issue elsewhere, but which seemed very important at the time...

ALL: COLLING TURNER/RAIL ARCHIVE STEPHENSON



Chris Gadsby,
Staff
Writer

The first day back in the *Model Rail* office after Christmas proved to be one of the most expensive days for me since I've started at the magazine. Not only did I buy the paint to complete one of my ongoing projects, but I paid off a model on which I put a deposit in 2017. I'm not complaining at all – these waiting times are to be expected with models that are of such high quality.

I'm fortunate enough in this job to learn of new offerings from manufacturers before they are released into the wider domain. The problem with that is I get excited earlier and have to wait even longer! As well as the model I just paid for, I've also got my eye on two others which have been announced but aren't yet in production. Without saying too much, as I am sure they will be featured in the magazine when the time comes, Bachmann and Hornby shall be getting more of my money in the future.

Modelling hours: One

Note to self: Get those projects finished!



Richard Foster,
Editor

Minerva Model Railways has unveiled images of decorated samples of its 'O' gauge Manning Wardle 'K' 0-6-0ST – see page 14. The Leeds locomotive builder introduced this design in 1864 and it proved popular with light railways and contractors alike.

If Minerva's new offering has got you thinking about possible 'O' gauge micro layouts but you're undecided about what to build, these images from the vaults of Rail Archive Stephenson will soon help you make your mind up!

Brian Stephenson kindly supplied these photographs when Minerva announced its 'K', back in May last year. They were taken by photographer Colling Turner during a visit to capture the remains of the Selsey Tramway in 1935.

The Hundred of Manhood & Selsey Tramway opened in 1897. It was only the second railway to be built by light railway entrepreneur Holman F. Stephens and it linked Chichester with the blossoming seaside resort of Selsey, a distance of just over seven miles. As befitted

a Colonel Stephens line, it was built to a budget and was deliberately built to tramway standards in order to save money.

Most railways of this ilk hit a boom period before the First World War but suffered after it. The tramway was no exception. Before the war it had enough in the coffers to raise the track 10ft above the level of the surrounding land, after serious flooding in 1910. However, by 1924 it was struggling financially. It renamed itself the West Sussex Railway, possibly in an attempt to make itself more attractive for a takeover. The Southern Railway looked into buying the line but to no avail, and it closed in January 1935.

Turner's wonderful photographs capture the post-closure scene at Chichester station. These images are full of atmosphere.

What's particularly striking is how neat everything has been left. Manning Wardle 'K' *Ringling Rock* has been parked in front of the remains of the Shefflex railbuses. The track is tidy, with just a layer of surface rust on the rails.

These images offer a window into a bygone world. The station and even the gas works are long gone, and poor old *Ringling Rock* was reduced to a pile of scrap.

It's hard to imagine that such scenes ever existed. But if you've ordered a Minerva Manning Wardle, you'll at least be able to try to recreate a little slice of what life was like in this part of West Sussex.



Modelling hours: Ten

Note to self: Wiring on 'Gedney' is finished! Time to start on the scenic stuff.



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 staging a series of advisory days and will be visiting the following towns within the next few weeks:

Swanage, Midsomer, Nottingham, Ruislip, Hexham, Tynemouth, Brighton, Chichester, Stoke on Trent, Telford, Llanelli, Newport (South Wales), Camborne, Bodmin, Malvern, Monmouth, Bangor and Liverpool.

Please visit our website or telephone for further 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