

**11 NEW MODELS
REVEALED INSIDE**

**WIN EXCLUSIVE 'OO'
GAUGE CLASS 66**



No. 247 May 2018

MODEL RAIL

RUN MORE TRAINS

30
Pages of
expert ideas
& advice

- ◆ Sliding fiddleyard - ideal weekend project
- ◆ How to get your trains running perfectly
- ◆ Simple ways to wire your layout



REVIEWS SPECIAL!

**21 PAGES OF
NEW MODELS**

- ◆ Hatton's 'P' 0-6-0T
- ◆ Hornby Class 800
- ◆ Bachmann Baldwin 4-6-0PT
- ◆ Heljan 'O' gauge Class 20
- ◆ Oxford Rail Mk 3s
- ◆ Kernow MRC 'Turbot'
- ◆ Hatton's ICI hoppers



IN-DEPTH - INDEPENDENT - UNBIASED

Workbench TRICKS AND TIPS
FROM OUR EXPERTS

- ✓ Re-number EWS diesels
- ✓ Build a plastic coach kit
- ✓ Install passengers
- ✓ Use textured paints
- ✓ Store models safely



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

April releases

CLASS 43 HST

NEW!



2D-019-008 - Class 43 HST GNER Blue 43106/43109



2D-019-006 - Class 43 HST East Coast 43309/43306

These are 1st Decorated Samples Copyright Dapol Ltd.

NEW!

MJA



These are 1st Decorated Samples Copyright Dapol Ltd.

4F-025-005 - MJA Freightliner Heavy Haul Bogie Box Van 502019 & 020

4F-025-006 - MJA Freightliner Heavy Haul Bogie Box Van 502005 & 006

4F-025-007 - MJA Freightliner Heavy Haul Bogie Box Van 502011 & 012

4F-025-008 - MJA GBRF Bogie Box Van 502023 & 024

4F-025-009 - MJA GBRF Bogie Box Van 502025 & 026

4F-025-010 - MJA GBRF Bogie Box Van 502031 & 032

PANNIER

NEW!



This is a 1st Decorated Sample Copyright Dapol Ltd.

7S-007-003/D - Class 8750 Pannier GWR Green 9659/DCC & Sound

7S-007-003U/UD - Class 8750 Pannier GWR Green Unnumbered/DCC & Sound

7S-007-004 - Class 57xx Pannier L94 London Transport

7S-007-004/D - Class 57xx Pannier L94 London Transport/DCC & Sound

7S-007-005/D - Class 8750 Pannier BR Black Late Crest 3716/DCC & Sound

7S-007-005U/UD - Class 8750 Pannier BR Black Late Crest Unnumbered/DCC & Sound

7S-007-006 - Class 57xx Pannier L92 London Transport

7S-007-006/D - Class 57xx Pannier L92 London Transport/DCC & Sound

All product release dates correct at time of going to press

2F-013-059 - Gunpowder Van - BR M701055

2F-013-060 - Gunpowder Van - BR M701055 Weathered

2F-036-037 - Bulk Grain - SGD 18

2F-036-038 - Bulk Grain - SGD 18 Weathered

4F-012-017 - Ventilated Van - BR Bauxite B768110

4F-012-018 - Ventilated Van - BR Bauxite B768110 Weathered

4F-038-112 - 20T Steel Mineral - Blaenavon 2445

4F-038-113 - 20T Steel Mineral - Blaenavon 2445 Weathered

4F-051-029 - 5 Plank - Barnsley Main 350

4F-051-030 - 5 Plank - Barnsley Main 350 Weathered

4F-080-120 - 8 Plank - SPC 5007

4F-080-121 - 8 Plank - SPC 5007 Weathered

7F-051-045 - 5 Plank - BR Grey M318250

7F-051-045W - 5 Plank - BR Grey M318250 Weathered

COMING SOON....

• MK3 Variants to accompany the HST sets

• GWR & BR Autocoaches

Product Scale Key

O Gauge

OO Gauge

N Gauge

dapol

15% DISCOUNT ON ALL DAPOL PRODUCTS PURCHASED THROUGH DAPOL

collectors

ANNUAL OPEN DAY

club

4 NEWSLETTERS PER YEAR

ONLY £25 PER YEAR (Plus p&p)

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

Welcome



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

MODEL RAIL

brought to you by



Richard Foster

Richard's obsession with remote parts of Scotland continues - he's off to the Outer Hebrides this spring.



George Dent

George is heading off to the South Coast... but he's spending his week passing on his airbrushing skills!



Chris Leigh

Having not been to Canada last year, Chris feels the pull of Toronto again... but needs to think of a train trip to do.



Chris Gadsby

Chris is having a weekend in Paris ahead of travelling to Scotland for a golf competition in July.



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



TREVOR OWEN/COLOUR RAIL



It's funny how an off-the-cuff comment can get the brain thinking. The East Coast Main Line cropped up in an office conversation when Chris Leigh commented that, if you disregard scale and era, then pretty much the whole of the ECML has been modelled in one form or another.

Why, we mused, isn't the same true for the West Coast Main Line? Or the Western Region main line?

Most GWR modellers tend to model branch lines, and yet Hornby continues to produce 'Castles', 'Kings' and 'Stars', so they must be going somewhere. But where are the Western Region main line layouts? It's the same with the West Coast Main Line. The only layout of a specific location that sprang to mind is Graham Nicholas' re-creation of Shap (coming soon to MR). Compare that to Gainsborough MRS' 'King's Cross', The Model Rail Club's 'Copenhagen Fields', Gilbert Barnatt's 'Peterborough North' and Tony Wright's 'Little Bytham' - that's covering fewer than 100 miles of ECML, with 300 modellable miles to go!

Can you imagine the racing stretch of the LSWR main line being given the 'Stoke Summit' treatment, circa 1966/67, with Bulleid 'Pacifics', Standard '5MTs', Class 33s, Class 47s and '4-VEP' EMUs?

So come on, show us your main line layouts!

Richard Foster Editor

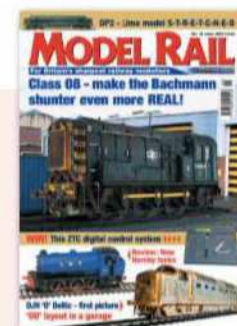
Subscribe now and get 2 years of Model Rail for the price of 1!

Choose from print, digital or a combo deal and get *Model Rail* for less. See p18.

COVER LAYOUT

'9F' *Evening Star* on Julian Birley's 'O' gauge layout 'Evercreech New', now owned by Yeovil Model Railway Group. See MR's August 2011 issue for more.

Turn to page 48 to see how 'Evercreech New' inspired Richard's 'Gedney' layout.



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 range of exclusive models - see p110.

From the archives MR32, June '01

We get a first look at Heljan's very first 'OO' gauge model, the Class 47. Apparently, the "recommended price of £89 is high by British standards". Dave Lowery stretches Lima's 'Deltic' to create DP2 and the MR office is rocked by the disappearance of Davey the dog...

Star review: Dapol's 'Terrier' and 'J94', now under Hornby **Masterclass:** BR Class 08 0-6-0DE

Contents

95



Julian Birley's 'O' gauge layout 'Evercreech New'.
CHRIS NEVARD

Opening the box

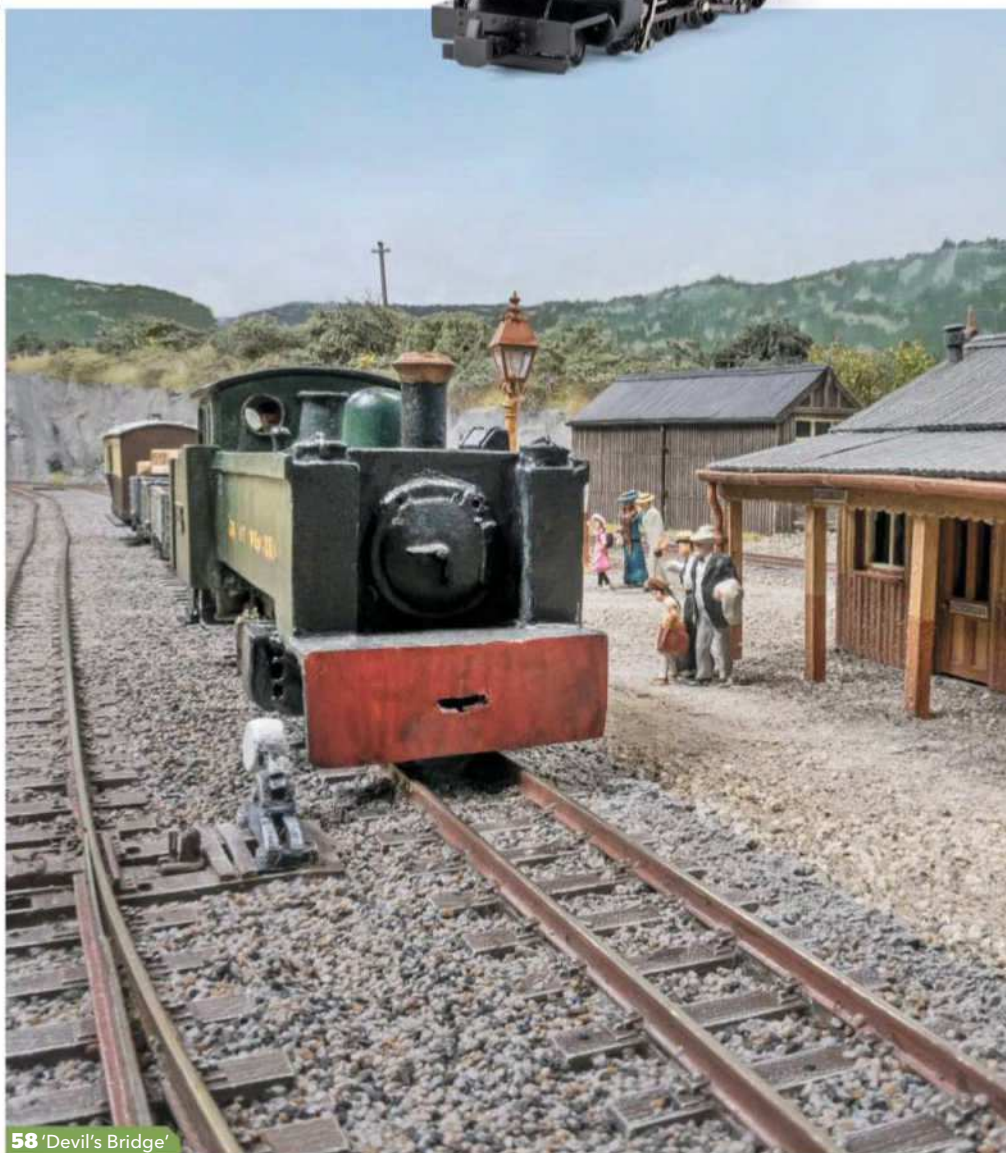
- 6 The Big Picture**
Our top ten facts about the Vale of Rheidol railway, plus all the latest news.
- 12 Model of the Year results**
You've been voting for your model and product of the year and the results are in, but who will come out on top?
- 15 According to Chris...**
Chris has been contemplating whether change is always a good thing on the railways as he goes chasing the new Class 800.
- 17 Modelling Lives**
Matt Turner started with a small layout, but ended up owning a successful firm selling modern signalling equipment.

Features

- 20 A Medley of memories**
Nostalgia was the driving force behind Alexander Warren's semi-fictional layout based on a run-down station in Cambridgeshire.
- 58 The Devil's in the detail**
A family holiday led Eddie and Rachael Field to discover an untapped seam of modelling inspiration - Devil's Bridge.



- 70 Class 66 competition**
We've got a GBRf Class 66 in BR Blue with 'large logo' to give away to one lucky reader this month. Turn to page 70 for details.



58 'Devil's Bridge'

81 Reviews

Hatton's 'P' Class 0-6-OT, Hornby's GWR Class 800 five-car train pack, Heljan's Class 20, Bachmann's Narrow Gauge Baldwin '10-12-D', Oxford Rail's Mk 3 coaches, Kernow's 'Turbot' ballast wagon and Hatton's/Oxford Rail ICI Hopper Wagon.



Looking for a previous article?

Search the online index at:
www.ukmodelshops.co.uk/modelrail



20 'Diddington'



32 Build a sliding traverser

Workbench

32 Build a sliding traverser

George Dent builds his first traverser fiddleyard using cheap components from a hardware store.

38 Store models... safely

After finding a nasty surprise in a box of models, George Dent tells you how to protect your collection.

40 Clean your locomotives

George clears the dust out of some motive power and gives it a service.

42 Detail a streamliner

Chris Leigh makes a few simple tweaks to improve the look of Dapol's new GWR Streamlined Railcar.

44 Make cassette fiddleyards

George Dent, Chris Nevard and Chris Leigh build space and cost-saving fiddleyards.

48 Wire fiddleyard points

Richard Foster has devised his own solution to avoid spending a lot of money making a fiddleyard.

52 Construct a sector plate

Dave Lowery and Peter Marriott harness the potential of this simple space-saving device on their layouts.

56 Build a 'OO9' coach kit

Chris Gadsby sinks his teeth into a Vale of Rheidol kit and shows that it is still possible to model well on a budget.



40 Clean and maintain models



44 Make cassette fiddleyards



48 Wiring fiddleyard points



72 Compact control panel



76 Build a laser-cut kit

Regulars

18 Subscribe to *Model Rail*

Turn to page 18 for this month's special offer.

72 Know Your Stuff

The *Model Rail* team answer your questions and offer top tips and advice.

104 The Club Room

The section that's all about you, the *Model Rail* reader. Includes the Exhibition Diary.

110 *Model Rail* offers

Turn to page 110 to order your 'Sentinel', 'J70' and 'USA Tank' plus other exclusive models and publications.

114 Next Issue

A sneak preview of the next issue of *Model Rail* - in shops on May 10.

145 Present Your Case

Got an idea for a model you want to see? This is the place to voice your opinion.

146 Backscene

Miscellaneous meanderings from the *Model Rail* team.

Opening the box

The latest happenings from the world of model railways

The Big Picture

It'll be fifty years ago this summer that the Vale of Rheidol railway became BR's last steam operation. Twelve days after BR's '15 Guinea Special' ran, No. 7 *Owain Glyndŵr* makes a spectacular departure from the Vale of Rheidol's new Aberystwyth station on August 23 1968.

Turn to page 58 to see Eddie and Rachael Field's pre-war 'OO9' take on the Vale of Rheidol's Devil's Bridge terminus.

PICTURE: DAVID ROSTANCE



TOP TEN VoR FACTS

- 1** The Vale of Rheidol Railway opened in 1902. At over 11 miles, it was built to exploit mineral and timber resources in the Rheidol valley.
- 2** The line was taken over by the Cambrian Railways in 1913 and thus became part of the GWR in 1923.
- 3** BR's Western Region management looked kindly on the VoR and painted its locomotives lined green. But the line was transferred to the London Midland Region in 1963.
- 4** BR management wanted to close the VoR, but Divisional Manager George Dow saw it as a viable tourist attraction. He petitioned government ministers and, after Parliamentary Question Time on November 6 1967, the line was saved.
- 5** During the spring of 1968, BR converted the redundant Carmarthen bay platforms at Aberystwyth into a new narrow gauge station.
- 6** BR's last standard gauge steam train, the '15 Guinea Special' ran on August 11 1968 but the VoR kept the flag flying for BR steam for another 20 years until it was privatised in 1988.
- 7** The VoR's first new locomotives were designed by William Szlumper, who also designed the Lynton & Barnstaple Railway's 2-6-2Ts. They were the only locomotives built by injector maker Davies & Metcalfe.
- 8** The GWR built two new 2-6-2Ts in 1923 - Nos. 7 and 8 - and heavily rebuilt one of the originals (No. 9). How much of the original No. 9 survived the rebuild is the subject of debate.
- 9** The VoR famously hired the Festiniog Railway's 0-4-0STT *Palmerston* in 1912 and 1913 to cater for an unexpected upturn in traffic.
- 10** The VoR's three 2-6-2Ts became Class 98/0 under BR's TOPS system.

Workbench

5 skills you can master this issue

- ◆ Cut and join wood p32
- ◆ Oil your locomotives p40
- ◆ Install passengers p42
- ◆ Wire solenoid point motors p48
- ◆ Build a plastic kit p56



The Bluebell Railway's No. 641/77 *Sharpthorn* is one of two Manning Wardle 'K' O-6-OSTs that survive. BOTH: IAN SMITH

A 'K' FOR CHRISTMAS

Minerva Model Railways is set to produce the Manning Wardle 'K' O-6-OST in 'O'... and it's anticipated to be in stock by Christmas 2018.

The diminutive 'K' was introduced by the Leeds builder in 1864 and proved popular with both light railways and contractors, with some entering main line service.

There were many variations of the 'K', and Minerva is planning to cover all of the different styles of cabs, buffers and sandboxes. Three liveries are planned: lined

crimson, lined blue and lined black. The model will sport a high-torque flywheel-equipped motor and sprung buffers, and will be available either DCC-ready, fitted with a decoder or with sound.

Design work is almost complete and the Manning Wardle is expected to be available before the end of the year.

Price: From £255

Availability: Minerva Model Railways

Tel: 02920 531246

Web: www.minervamodelrailways.co.uk



The other is No. 865/82 *Aldwyth*, now in store at Leeds Armley Mills museum.

CROWDFUNDED APT-P IS GO!

West Coast's 'OO' gauge APT-P will happen - it's official!

The crowdfunding project to produce the Class 370 tilting train is just 22 pledges short of the required total, but promoter

Durham Trains of Stanley and manufacturer DJModels have decided to go ahead anyway.

If you haven't placed an order get in quick - those final 22 pledges are unlikely to hang

around for long. West Coast intends to produce at least 20 extra sets and will offer them for general sale... but that will be all.

Surviving Class 370 vehicles at Crewe Heritage Centre will be

scanned on June 2. Meanwhile, DJModels has started work on designing the tilt mechanism.

To order your APT-P, go to www.durhamtrainsofstanley.co.uk or call 01207 232545.



STRUCTURES REACH STOCKISTS

00
GAUGE

The first of Oxford Rail's Oxford Structures range of resin 1:76 scale buildings should have reached stockists. Received in the *Model Rail* office is this station building, based on Moreton-in-Marsh.

Product code: OS76R001

Price: £44.99

Availability: Oxford Rail stockists or www.oxforddiecast.co.uk



BACHMANN'S NEW MODELMAKER RANGE

ModelMaker is a new range of modelling tools from Bachmann. The initial release comprises pliers, tweezers, diamond files, dual grit flexible sanding boards, a magnifier and a track cleaner block. The top of the range item is a 25-piece Essentials tool kit that includes paint brushes, pliers, sprue cutters, razor saw and knives. All Model-

Maker tools come in neat packages.

ModelMaker provides nearly all of the tools required for the majority of modelling tasks, from plastic and card kit construction to maintaining your layout. They're available from Bachmann stockists. Prices start from £2.95 for three sanding sticks. (PM)

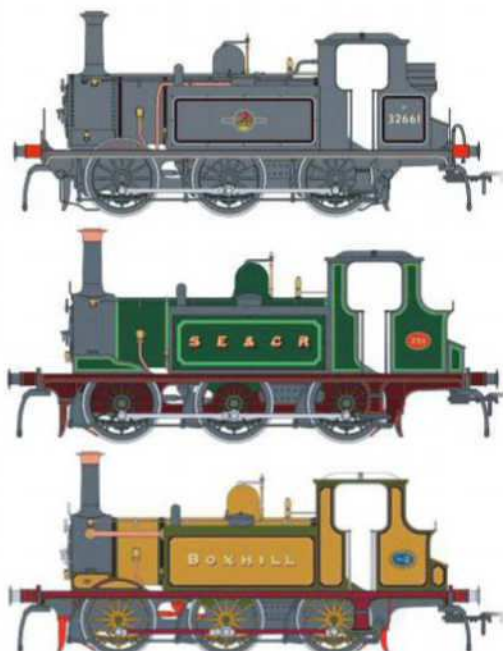


NEW LBSCR 'TERRIER' IN 'OO'

Rails of Sheffield has commissioned Dapol to produce an LBSCR 'Terrier' in 'OO' gauge. Dapol has much experience in modelling William Stroudley's cheeky little 0-6-0T: it has produced fine 'N' and 'O' gauge models, as well as making the first 'OO' gauge 'Terrier' - now part of Hornby's range - in 1988.

The new tooling, also produced in conjunction with Locomotionmodels, will allow original 'A1', rebuilt 'A1X' and extended Isle of Wight bunkers. The model will sport a sprung centre axle, a Next18 decoder socket and a five-pole skew-wound motor. Sound-fitted models will have Dapol's RealDrive braking control.

Decorated samples are expected to be available in time for Warley 2018. You can pre-order yours for just £30.



Rails/Dapol/LBSCR 'Terrier' 0-6-0T

What's planned?

- ◆ 4S-NRM-001: 'A1' No. 82 *Boxhill*, LBSCR ochre (gloss finish)
- ◆ 4S-010-001: 'A1' No. 82 *Boxhill*, LBSCR ochre (standard finish)
- ◆ 4S-010-002: 'A1' No. 3 *Bodiam*, KESR blue
- ◆ 4S-010-003: 'A1' No. 751, SECR lined green
- ◆ 4S-010-004: 'A1X' No. 2644, Southern green
- ◆ 4S-010-005: 'A1X' No. 32655, BR lined black early emblem
- ◆ 4S-010-006: 'A1X' No. 32661, BR lined black late emblem

Price? £110.00, £140.00 (DCC-fitted), £239.00 (sound-fitted)

When's it due? 2019

Where can I find out more?

www.railsofshffield.com



News in brief

THAT LIVED-IN LOOK...

The Weathering Service has become the latest addition to the ranks of companies offering custom weathering.

Proprietor Jack Chalkley is just 27 years-old but has been weathering models for the past 11 years. As well as locomotives and rolling stock weathered in his studio – different options are available – TWS offers other services, from custom repaints to kit-building and even scratchbuilding commissions.

Contact: The Weathering Service, 80 Bishopric, Horsham, West Sussex RH12 1QN **Web:** www.theweathering.service.co.uk

BRAZILIAN BUILDINGS

Holzmann Modelismo LTDA is a Brazilian manufacturer with a range of 'HO' buildings. Though of overseas outline, items in its CityLine range will be suitable for 'OO' outline layouts. The Form Line range includes roof tile sheets, stone sheets and cobblestones for tramways. To see more, go to www.holzmann.net.br

SCENERY 'TASTER DAY'

Need advice on creating model railway scenery? If so, why not get yourself down to Norwich on May 4 for Great Eastern Model Railways' 'scenic taster day'. The event is free to attend but you will need to register your interest. To do so, e-mail: gemodels199@gmail.com or call 01603 434157.

'122' IN 'O'



Dapol is to complete its hat-trick of Class 122s by offering it in 'O' gauge. It already offers 'N' and 'OO' gauge versions of the 20 Gloucester RC&W railcars and its forthcoming 7mm:1ft scale model will complement

the '121' planned by Heljan.

Dapol's model will feature three buffer types, three types of exhausts, different grab handle positions and two roof types to complete a wealth of fine detail, dual motors and

full DCC functionality.

An engineering prototype has been produced. However, guises and prices have yet to be confirmed.

Price: TBC **Availability:** Dapol stockists or www.dapol.co.uk

DAPOL'S YEOMAN HOPPERS

Dapol is to produce the ideal item of rolling stock to complement its forthcoming 'OO' gauge Class 59 – the Foster Yeoman 102t bogie hopper. Foster Yeoman ordered these vehicles from Orenstein & Koppel and they were designed to run in rakes with outer vehicles (with conventional buffing gear) and inner wagons with just buckeye couplers. They were originally coded PHA on TOPS, but are

now classified as JNA.

Six inner and four outer vehicles will be produced, with different running numbers. The outer wagons will come with a DCC-controlled flashing taillamp plus NEM couplers and sprung buffers. The inner wagons come with just buckeye couplers.

Computer design work is well under way and the model should be in stock by the end of the year.



JOHN CHALCRAFT

Stop Press: HUO in colour

Accurascale has unveiled decorated samples of its forthcoming 'OO' gauge HUO coal hopper. The first production run will comprise wagons in pre-TOPS condition, complete with 'HOP24' lettering. Production was to have started by the time this issue of *Model Rail* hit the newsstands. To order your wagons, go to accurascale.co.uk



COAL COMFORT

TMC has commissioned the 24½t mineral wagon from Bachmann. BR built 3,395 of these 12ft wheelbase, steel-bodied coal opens between 1952 and 1962 to Diagrams 1/115 and 1/118. They were built primarily to serve coal-fired power

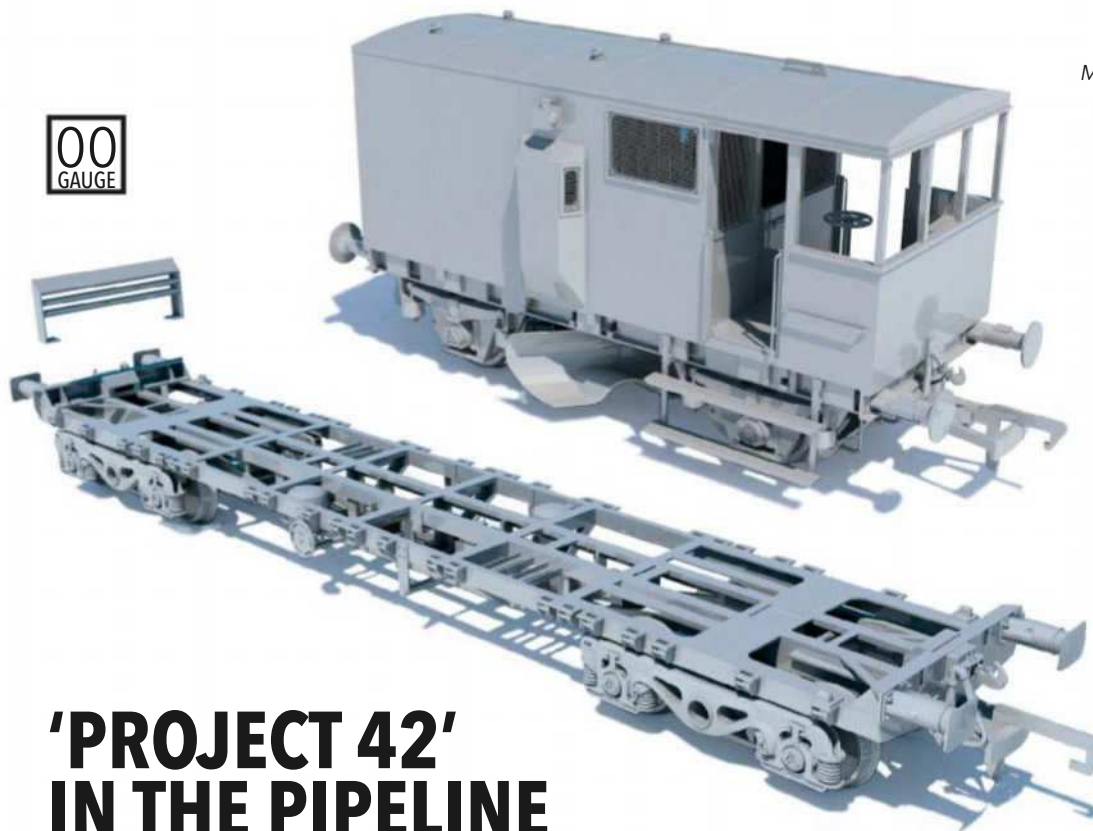
stations and became MEO under TOPS.

The 'OO' gauge model will feature two axlebox types, three types of buffers and three different bodies. Nine liveries/guises are to be produced. Prices are yet to be confirmed.



PAUL BARTLETT

OO
GAUGE



'PROJECT 42' IN THE PIPELINE

Irish Railway Models has unveiled plans to produce six new Irish outline wagons, which are set to be released over the next year. Five of the sextet are based on the CIÉ/Irish Rail 42ft-long chassis.

Leading the 'Project 42' series is the CIÉ/IÉ bogie fertiliser wagon, 90 of which were built to carry palletised fertiliser from IFI's plant near Arklow, County Wicklow.

The remainder feature the 42ft chassis with a variety of different bodies: these include the version with cages for carrying Guinness kegs, a low body for carrying spoil, and a weed-killing train which will have tank and container modules.

IRM has joined forces with container specialist C-Rail Intermodal to develop the CIÉ/IÉ container flats, introduced in 1971. Modellers will be able to buy C-Rail 40ft containers with liveries and guises unique to IRM.

All 'Project 42' wagons will come in twin packs and IRM is planning to produce different running numbers for each in



FRAN BURKE



FRAN BURKE

order to enable modellers to assemble prototypical length trains. They're all planned for release towards the end of 2018.

Last but not least is the CIÉ/IÉ ballast plough. Four of these ploughs were built by CIÉ in 1978 and ran with the 20t hopper wagons, the subject of IRM's first release (MR237). These charismatic little vans will sport interior and external lighting, but numbers will be limited. They're due in the third quarter of 2018.

Prices for all models had still to be confirmed at the time of writing.

Keep an eye on www.irishrailwaymodels.com for regular updates.



NEIL DINNEN



www.model-rail.co.uk

Keep up to date with
Model Rail News online.



On the road

March has been a rather quiet month for Oxford Diecast – it has only released three new items of 1:76 scale tooling!

New to stockists are the JCB JS220 excavator, JCB 531-70 Loadall telehandler and Sherman tank Mk 3.

Viking, meanwhile, has released six new 1:87 scale road vehicles that would be suitable for British outline 'OO' gauge layouts. The new collection comprises a new VW Beetle, Amarok crew-cab pick-up truck and T2 camper, Land Rover Defender 110 station wagon, Range Rover Classic, Ford Mustang saloon and Claas Xerion tractor. New in 'N' from Viking is a handy little mini excavator.

Bachmann's EFE release for April is London Transport RT RT2177 with Route 12 destination blinds (below).



WEBSITE OF THE MONTH

Forget Wikipedia, here's the best place to browse this month: www.stationcolours.com

Peter Smith's superb website is THE place to go if you're planning or building a station on your layout. Not only do you get chapter and verse on the history of a livery scheme so that you know what is correct for the period you're modelling, but recommended paints too!



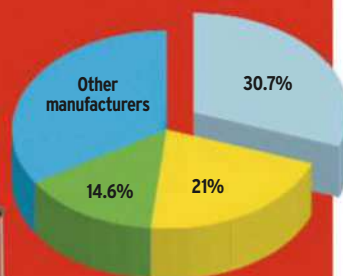


THE RESULTS

Every year, *Model Rail* asks you to vote for your favourite models that we have reviewed over the previous 12 months. The votes for MOTY 2017 have been counted - including those for our new 'Tools & Accessories' category - and so, without further ado, here are the results...

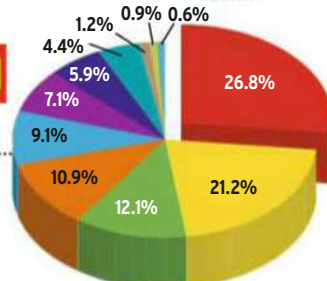
OVERALL MANUFACTURER OF THE YEAR 2017

Winner Hornby	30.7%
2. Bachmann	21%
3. Dapol	14.6%
Other manufacturers	33.7%



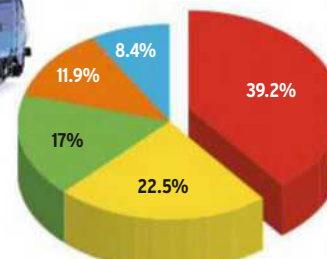
1:76 Scale: Steam Locomotive

Winner Hornby Peckett 0-4-0 ST	26.8%
2. Hornby Merchant Navy No. 21C3 Royal Mail	21.2%
3. Kernow GWR '1361' 0-6-0ST	12.1%
4. Hatton's '58XX' 0-4-2T	10.9%
5. Bachmann Stanier 2-6-0	9.1%
6. Dapol Black Label 'A4' 4-6-2	7.1%
7. Oxford Rail 'Dean Goods'	5.9%
8. Bachmann 'Coal Tank'	4.4%
9. Heljan '1366' 0-6-0PT	1.2%
10. Minitrains Bagnall 0-4-0 IST	0.9%
11. Heljan '1361' 0-6-0ST	0.6%



'OO' Gauge: Diesel & Electric Locomotives

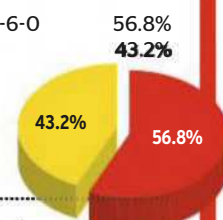
Winner Dapol Class 68	39.2%
2. Bachmann Wickham Trolley	22.5%
3. Dapol Class 122	17%
4. DJ Models Class 71	11.9%
5. Golden Valley Hobbies 'Janus' 0-6-ODE	8.4%



'N' GAUGE

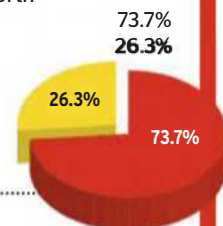
'N' Gauge: Locomotives

Winner Graham Farish 'Castle' 4-6-0	56.8%
2. Graham Farish Class 40	43.2%



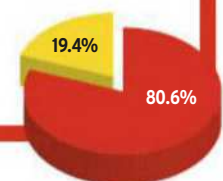
'N' Gauge: Rolling Stock

Winner Graham Farish Hawksworth Autocoach	73.7%
2. DJ Models 'Mermaid'	26.3%



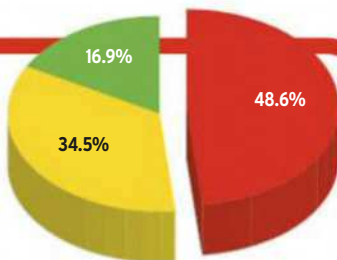
'N' Gauge: Manufacturer of the Year

Winner Graham Farish	80.6%
2. DJ Models	19.4%



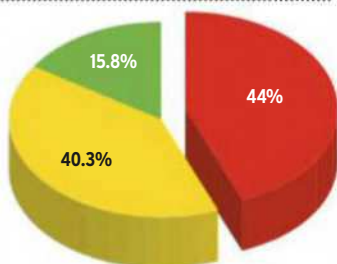
'OO' Gauge: Multiple Units

- Winner** Bachmann/Kernow '4-TC' 48.6%
2. Realtrack Class 156 34.5%
3. Bachmann Class 450 16.9%



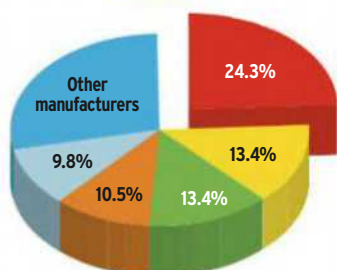
'OO' Gauge: Coaches

- Winner** Kernow MRC LSWR 'Gate Stock' Twin Pack 44%
2. Bachmann 60ft 'Birdcage' Coaches 40.3%
3. Bachmann Thompson Coaches 15.8%



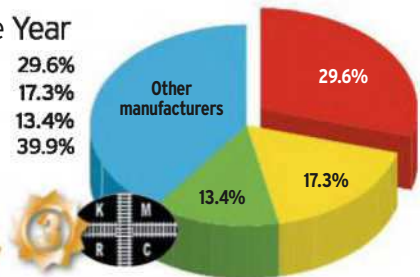
'OO' Gauge: Wagons

- Winner** Hatton's 'Warwell' Wagon 24.3%
2. Hornby Maunsell Cattle Wagon 13.4%
2. Kernow 'Tiger' China Clay Hopper 13.4%
3. Irish Railway Models Ballast Hopper 10.5%
4. Oxford Rail 'Warwell' 9.8%
 Other manufacturers 28.2%



1:76 Scale: Manufacturer of the Year

- Winner** Hornby 29.6%
2. Bachmann 17.3%
3. Kernow 13.4%
 Other manufacturers 39.9%



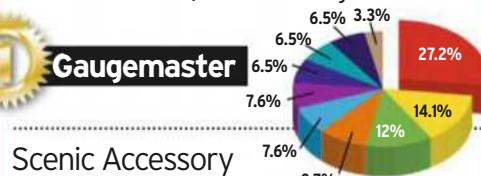
TOOLS AND ACCESSORIES

Modelling Tool of the Year

- Winner** Gaugemaster Wheel Cleaning Brush 27.2%
2. Pross BS-HO-02 Ballast Spreader 14.1%
3. Pross LB902 Rotating Loco Cradle 12%
4. Pross SS-01 Snap and Glue magnetic clamps 8.7%
5. 3CP Curve Plotting Tool 7.6%
6. Gaugemaster Solder Station 7.6%
7. Golden Valley Hobbies Voltage and Polarity multi-tester 6.5%
8. Pross T-HO-01 Flexible Track Holding Clamps 6.5%
9. Sparmax pistol trigger airbrushes 6.5%
10. Pross VT-001 DC/DCC Track Voltage Tester 3.3%



Gaugemaster

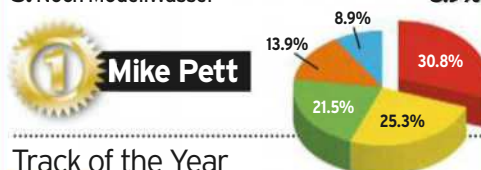


Scenic Accessory of the year

- Winner** Mike Pett Supercast figures 30.8%
2. Dapol Modelling Water 25.3%
3. Deluxe Materials Making Waves 21.5%
4. Sankey Scenics Deep Pour Water 13.9%
5. Noch ModellWasser 8.9%



Mike Pett



Track of the Year

- Winner** Peco Code 75 Bullhead Track 87.1%
2. DCCconcepts Lecacy Bullhead Track 12.9%



Peco

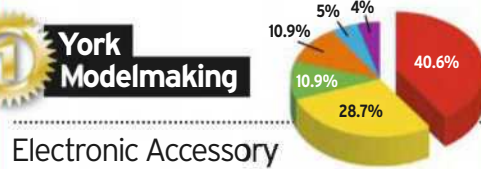


Structure of the Year

- Winner** York Modelmaking laser-cut building accessories 40.6%
2. Gaugemaster GWR Gas Taper Post Lamps 28.7%
3. 4Ground Handford Crossing Signal box 10.9%
3. 4Ground Spear Point Fencing 10.9%
4. Osborn's Austerity Signal box 5%
5. Dawson Hall Glenfinnan Station and Signal box 4%



York Modelmaking



Electronic Accessory of the Year

- Winner** Woodland Scenics Just Plug Streetlights 45.1%
2. Bachmann RailController 34.1%
3. Heathcote Electronics Single Track Crossing Kit 20.7%



Woodland Scenics



Kit & Rolling Stock Accessory of the Year

- Winner** Precision Decals Waterslide Transfers 60%
2. Just Like The Real Thing 21t Mineral Wagon 22.4%
3. MARC Models LNER/Belgian Coal Wagon 17.6%



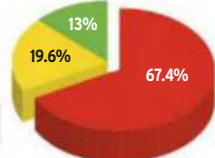
Precision Decals



'O' GAUGE

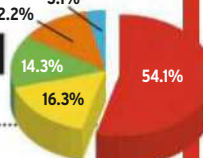
'O' Gauge: Steam Locomotives

- Winner** Dapol 'A1X' 0-6-OT 67.4%
2. Minerva '57XX' 0-6-OPT 19.6%
3. Minerva Kerr Stuart 'Victory' 0-6-OT 13%



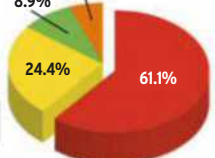
'O' Gauge: Diesel & Electric Locomotives

- Winner** Dapol Class 08 54.1%
2. Heljan Class 37 16.3%
3. Heljan Class 45 14.3%
4. Little Loco Company Class 15 12.2%
5. Heljan Class 05 3.1%



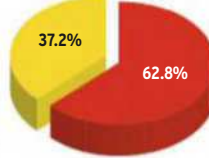
'O' Gauge: Manufacturer of the Year

- Winner** Dapol 61.1%
2. Heljan 24.4%
3. Minerva 8.9%
4. Little Loco Company 5.6%



'O' Gauge: Rolling Stock

- Winner** Dapol GWR Collett non-gangway Stock 62.8%
2. Dapol 12t Vent Van 37.2%



News Real What's happening on Britain's railways...

Highland Speed Trains

Brush Traction has completed the overhaul of ScotRail's first two Class 43 power cars. 43033 and 43148 have already moved to Craigentinny depot, sporting a new ScotRail livery. It includes the new 'Inter7city' logo that blends the InterCity brand with the intention that the refurbished HST sets will serve Scotland's seven cities. The refurbished Mk 3s will sport sliding doors.



STEVE DONALD

Trains from Spain

The first of Northern's Class 331 electric multiple units has been unveiled at CAF's Spanish factory. The 43 sets are split into two sub-classes: 31 three-car Class 331/0s and 12 four-car Class 331/1s. The first '331' is due to arrive in the UK in spring. Northern's outwardly similar diesel multiple unit, the Class 195, is already undergoing testing and will enter service before the EMUs.



NORTHERN

Douglas gets its wings

The Tallylyn Railway celebrated the 100th birthday of its Andrew Barclay 0-4-0WT No. 6 *Douglas* in fine style on February 21. The locomotive was built for the Air Service Constructional Corps, and as the RAF celebrates its centenary this year, the TR outshopped it in RAF blue, complete with roundel.



RICK WILSON

Tunnel vision

Here's a driver's eye view of Britain's newest stretch of railway, which opened in late February. Canal Tunnel, on the approaches to King's Cross, links the East Coast Main Line with the Midland Main Line and allows through-trains from the East Midlands/East Anglia to the South Coast.



NIGEL HARRIS/RAIL

Broadway dream comes true

Meanwhile, Britain's newest station is nearly ready for business. This is Broadway, the new northern terminus of the Gloucestershire Warwickshire Steam Railway, which was due to reopen in late March. The original station closed in 1963. The footbridge came from Henley-in-Arden - everything else has been built from scratch.



IAN CROWDER



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!

I've never been fond of going back to places that I knew years beforehand, because I always find that they've changed, and it's usually not for the better. However, one of the great things about this job is that alongside all the nostalgia for the 'good old days' there are constant reminders that the railway is still an exciting, interesting place. Old and new were brought into sharp focus for me just recently, when I took delivery of a Hornby Class 800.

The Class 800 is Great Western's new flagship train. I had not been anywhere by train on the old BR Western Region for a while and, in order to write an 'informed' review of the new Hornby model, I needed to have seen and, if possible, ridden on one. The Worcester line apparently had several regular Class 800 diagrams and that suited me well because I could call at Moreton-in-Marsh and check out the station, which is the subject of Oxford Rail's new resin model.

So, on a Thursday in early March, I drove out to Moreton. As I arrived at the station, Class 800s on Up and Down services crossed in the platforms. My gamble had paid off, and I took a ride to Oxford aboard unit 800005. We stopped at Kingham and Charlbury, having whizzed past the site of Adlestrop and the basic modern halts which have replaced those wayside stations that Beeching wanted to close. Shipton, Finstock and Combe have scarcely one train a day, while it was fascinating to stop at Hanborough (see MR245) at which these express services now call once an hour. Indeed, Hanborough's proximity to traffic-gridlocked Oxford means that it brought more passengers to our train than either Kingham or Charlbury.

My return to Moreton-in-Marsh was by HST, so I was able to make a direct comparison. The new units have received their fair share of criticism, but I like them. True, the seats are hard but I did not find them uncomfortable. Acceleration is quick and smooth, and I deliberately chose a motor coach so I could hear the noise level. There wasn't much.

As I retraced my journey back to Moreton in a Mk 3 coach I couldn't help recalling that my first trip over this route had been in a Hawskworth Corridor Second in 1964, the 1.25pm (Saturdays only) Oxford-Moreton-in-Marsh-Evesham being just two coaches behind 'Grange' No. 6868 *Penrhos Grange*. At Moreton it had reversed into a siding to allow a 'Hymek'-hailed express to overtake, before emerging and continuing on its way. Remarkably, that siding is still there. So too is the signal box, the goods lock-up and even a couple of walls of the



old GWR stables alongside the trackbed of the branch to Shipston-on-Stour.

Those relics put me in a nostalgic mood and as I drove home, a few miles out of Moreton on the A429 (the Roman Fosse Way), I noticed a three-storey red brick property which immediately looked familiar. At Stretton-on-Fosse, the Shipston branch crossed the Fosse Way. Before it became a minor GWR branch this had been part of the Stratford-upon-Avon & Moreton Tramway, a horse-drawn line so old that it even pre-dated the Stockton & Darlington. The building I had seen was the former Golden Cross Inn which stood beside the ramshackle wooden Stretton-on-Fosse station. The adjacent 'Station House', actually a crossing keeper's cottage, is still there and the course of the railway is not hard to spot between these two surviving buildings.

From 1820 to the 20th century, I'd unwittingly encompassed the whole story of the railways in that part of the world in a single day.

Above: Traditional infrastructure, including a GWR signal box and lower quadrant signals, surround a Class 800 as it departs Moreton-in-Marsh for Paddington on March 8 2018. CHRIS LEIGH



Above: This was once the Golden Cross Inn, at Stretton-on-Fosse station on the Stratford & Moreton Tramway. The railway crossed the road through the trees on the right. CHRIS LEIGH



Left: Fifty four years ago, 'Grange' 4-6-0 No. 6868 *Penrhos Grange* brings the mid-afternoon Down local from Oxford out of the Down siding at Moreton-in-Marsh, and into the station, before calling at all stations to Evesham and Worcester. ROGER LEIGH

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

DISCOUNT 'O' GAUGE

TOWER BRASS LOCOMOTIVES

R.T.R. in unpainted brass/factory painted	
GWR/BR Railcar 19-33.....	£550.00
GWR/BR Parcels Railcar No.34.....	£550.00
GWR 1361 Early black chassis.....	£525.00
GWR/BR 1361 Late black chassis.....	£525.00
LY/LMS/BR Pug black.....	£450.00
LNER/BR J39 0-6-0 black.....	£925.00
GWR/BR 8750 Pannier black chassis.....	£525.00
GWR City of Truro.....	£1650.00

TOWER BRASS COACHES

Fully assembled in unpainted brass
GWR/BR Collett D127 brake 3rd..... £235.00

FULLY FINISHED R-T-R LOCOS

L&Y/LMS/BR Pug 0-4-0T.....	from £525.00
GWR/BR 1361 0-6-0ST.....	from £695.00
GWR/BR 8750 Pannier tank.....	from £695.00
GWR/BR Razor Edge railcar.....	£835.00
GWR/BR Parcels railcar.....	£810.00
LNER/BR J39 0-6-0.....	£1075.00
LMS/BR Original Patriot.....	£1650.00
Over 100 R-T-R locos available off the shelf	

GLADIATOR LOCO KITS

GTR3 LNER/BR J11 0-6-0.....	£320.00
GTR18 LMS/BR de-streamlined Duchess.....	£415.00
GTR20 LMS/BR Princess.....	£415.00
GTR21 LMS/BR Rebuilt Royal Scot.....	£355.00
GTR24 LMS/BR Original Patriot.....	£355.00
GTR25 LMS/BR Rebuilt Patriot.....	£355.00
GTR28 LMS/BR 2P 4-4-0.....	£315.00
GTR36 LBSC/SR/BR H2 Atlantic.....	£370.00
GTR50 LNER/BR Beyer Garratt 2-8-8-2.....	£620.00
GTR61 LBSC/SR/BR H1 Atlantic.....	£370.00
GTR62 SR/BR Urie King Arthur.....	£415.00
FT3 LNER/BR B16/1 4-6-0.....	£355.00
F4 LNER/BR D17/1 D17/2 4-4-0.....	£300.00
FT9 NER/LNER/BR G6/BTP 0-4-4T.....	£215.00

JAVELIN LOCOMOTIVE KITS

JK5 SEC/SR/BR D Class 4-4-0.....	£325.00
JK6 G.W.R. Dean Goods 0-6-0.....	£315.00
JK11 LMS/BR Long Fire Box Black Five.....	£355.00

MERCIAN LOCO KITS

SG5 LNER/BR J94 Austerity 0-6-0ST.....	£180.00
GW2 GWR/BR 14xx Autotank.....	£175.00

TOWER COLLECTION (D.J.H.) BEGINNERS KITS
Includes wheels, gears and motor

TC1 Class 02 0-4-0 Diesel Shunter.....	£240.00
TC3 Andrew Barclay 0-4-0 Steam Shunter.....	£240.00

TOWER COLLECTION LOCO KITS

Require wheels, gears and motor

TC2 LMS streamlined Coronation.....	£550.00
TC4 LMS/BR not streamlined Duchess.....	£550.00
TC5 LMS/BR de-streamlined Duchess.....	£550.00
TC6 LMS/BR Sir William Stainer.....	£550.00
TC7 LMS/BR Black Five 4-6-0.....	£550.00
TC14 LMS/BR Stainer 8F 2-8-0.....	£550.00
TC16 LMS/BR Duchess with sloping firebox.....	£550.00

D.J.H. LOCO KITS

K300 B.R. Standard 84xx 2-6-2T.....	£362.00
K301 B.R. Standard 2MT 2-6-0.....	£415.00
K302 LMS/BR Ivatt 2-6-2T.....	£362.00
K303 LMS/BR Fairburn 2-6-4 T.....	£362.00
K310A LNER/BR A3 with Corridor tender.....	£595.00
K317A BR Britannia with BR1/1A tender.....	£595.00
K324B B.R. 9F 2-10-0 BR1B/BR1C.....	£595.00
K326 B.R. Class 03 complete kit.....	£415.00
K336 LNER/BR J Peppercom A2.....	£562.00
K338 LNER/BR G5 0-4-0T.....	£415.00
K340 B.R. Class 14 complete kit.....	£415.00
K344 NEW LNER/BR Hunt Class 4-4-0.....	£499.00
K345 NEW LNER/BR Thompson A2/1.....	£584.00

PECO LINESIDE KITS

LK704 Wooden lineside hut kit.....	£19.95
LK705 Brick lineside hut.....	£19.95
LK709 Ground Level Signal Box.....	£28.75
LK735 GWR Yard Crane.....	£21.50
LK741 GWR spear fencing.....	£11.00
LK742 GWR spear fencing ramps.....	£11.00
LK743 Field fencing and gates.....	£9.95
LK747 Telegraph Poles (4).....	£6.50
LK749 Loading Gauges (2).....	£12.45
LK750 Single track level crossing gates.....	£20.25
LK758 Platelayers tools.....	£6.45
LK759 Platform lamps (4).....	£8.75
LK760 Telephone boxes (2).....	£8.75
LK761 GWR Station seats (4).....	£8.30
LK762 MR/NER station seats (4).....	£8.30
LK763 SR/BR Station seats.....	£8.30
LK764 Bicycles (8).....	£8.30
LK790 GWR home or distant signal.....	£18.65

SLATERS BR WAGONS AND VANS KITS

7062 B.R. 12ton Vanwade.....	£38.00
7063 B.R. Standard Van.....	£38.00
7064 B.R. 12ton Standard/Flat Van.....	£38.00
7065 B.R. Meat Van.....	£38.00
7066 B.R. Insulated Van.....	£38.00
7067 B.R. 13 ton confiat 'A'.....	£34.00
7069 B.R. Lowfit Wagon.....	£34.00
7070 B.R. 12 ton Palvan.....	£38.00
7071 B.R. 13 ton High Goods Wagon.....	£34.00
7033 LNER/BR 20T Brake Van.....	£49.00
7033 LNER/BR 20T Brake Van.....	£53.00
70202 SEC/SR/BR 4 wheel PLV/GUV.....	£79.00
70021P SR/BR Bogie Van.....	£126.00
70022 SR/BR 4 wheel BY.....	£80.00

PECO WAGON KITS

W601 GWR Toad brake can.....	£40.50
W602 GWR Permanent Way brake.....	£40.50
W603 GWR 6 wheel brake.....	£42.30
W604 GWR 4 plank open.....	£34.00
W605 GWR Steel Open.....	£34.00
W606 GWR 10 ton Van.....	£41.65
W607 BR 16 ton Mineral wagon.....	£42.30
W608 BR 27 ton Iron Ore wagon.....	£41.65
W609 BR 20 ton Pig Iron wagon.....	£41.65

PECO 'O' GAUGE TRACKWORK

SLE786BH Curved R/H Point.....	£54.75
SLE787BH Curved L/H Point.....	£54.75
SL700BH 12 yards flexitrack.....	£80.00
SLE791BH Right Hand Point.....	£43.75
SLE792BH Left Hand Point.....	£43.75
SLE797BH Y Point.....	£43.75
SLE790BH Double Slip.....	£92.25
SL10 24 metal railjoiners.....	£2.80
SL11 12 insulated railjoiners.....	£2.80
SL740BH Buffer stop.....	£2.80
TP1 Long Track pins (15mm).....	£3.25
ST700 Box (6) 393mm straight.....	£45.50
ST725 Half circle 1028mm radius curves.....	£48.75
STU750BH R/H Setrack Point.....	£41.95
STU751BH L/H Setrack Point.....	£41.95

HELMSMAN CONTROLLERS

CF5A Sump Single Controller.....	£169.00
RM5 Remote handset for above.....	£45.00

H.M.R.S. TRANSFERS

H1 L.M.S. gold loco and coach.....	£20.00
H2 L.M.S. yellow loco and coach.....	£20.00
H2A L.M.S. black style/Crews loco.....	£20.00
H3 L.M.S. loco lining.....	£20.00
H3A L.M.S. coach lining.....	£20.00
H4 L.N.E.R. green loco and coach.....	£20.00
H4A L.N.E.R. black loco and Gill Sands.....	£20.00
H5 L.N.E.R. loco lining.....	£20.00
H6 L.M.S. goods wagon lettering.....	£18.50
H7 G.W.R. loco and coach lettering.....	£20.00
H8 G.W.R. loco and coach lining.....	£20.00
H9 S.R. Maunsell loco and coach lettering.....	£20.00
H10 S.R. Bulleid loco and coach lettering.....	£20.00
H11 G.W.R. goods wagon lettering.....	£18.50
H12 L.N.E.R. goods wagon lettering.....	£18.50
H13 S.R. goods wagon lettering.....	£18.50
H14 BR steam loco and coach lettering.....	£20.00
H15 BR blue diesel and coach lettering.....	£18.50
H16 L.NWR/WCJS loco coach & wgn.....	£21.00
H17 LTSR/MR/SD/LY/MCR gds lettering.....	£20.00
H18 N.E.R. loco and coach lettering.....	£21.00
H20 CB/NB/GSWR/HR/GNSR wgn lettering.....	£20.00
H22 B.R. mixed traffic/L.N.W.R. loco lining.....	£20.00
H24 MR/SDJRLTSR/MGN loco & coach.....	£21.00
H25 B.R. pre-TOPS wagon numbers etc.....	£18.50
H26 B.R. pre-TOPS wgn instructions etc.....	£18.50
H31 Pullman crests, names and numbers.....	£21.00
H32 Pullman lining.....	£18.50
H40 G.N.R. coach lettering.....	£21.00

PARKSIDE WAGON KITS

PS14 BR Grampus Ballast wagon.....	£33.00
PS15 BR 21 Ton Mineral wagon.....	£33.00
PS16 LNER Loco Coal wagon.....	£33.00
PS17 BR 12 ton Pipe wagon.....	£33.00
PS23 GWR/BR 13 ton open wagon.....	£33.00
PS24 GWR/BR 12 ton unfitted van.....	£33.00
PS25 BR 24.5 ton mineral wagon.....	£33.00
PS26 GWR/BR 12 ton fitted van.....	£33.00
PS27 GWR/BR 12 ton open with tarp bar.....	£33.00
PS28 GWR/BR 12 ton plywood van.....	£33.00
PS29 GWR/BR Fruit van.....	£33.00
PS30 BR 16 ton mineral wagon.....	£33.00
PS31 BR 16 ton slope sided mineral.....	£33.00
PS32 BR 16 ton mineral (ex SNCF).....	£33.00
PS33 BR 8 Plank wooden mineral.....	£33.00
PS42 LMS/BR 12 ton open wagon.....	£33.00
PS45 LNER/BR 12 ton goods van.....	£33.00
PS46 LNER/BR 12 ton fruit van.....	£33.00
PS49 GWR/BR Mica van.....	£33.00
PS100 SR/BR Banana van.....	£33.00
PS101 SR/BR Meat van.....	£33.00
PS104 BR 21 ton coal hopper.....	£33.00
PS106 SR/BR Cattle truck.....	£33.00
PS112 GWR/BR Gunpowder van.....	£33.00
PS114 LMS/BR Banana van.....	£33.00
PS115 LNER/BR Brake Van.....	£39.15

BACHMANN SCENECRAFT BUILDINGS

47040 Diesel Refuelling Point.....	£39.95
47047 Hampton Hill Platelayers Hut.....	£19.95
47203 Low Relief Corner Shop.....	£19.95
47004 Provender Store.....Special offer	£30.00
47009 Single Engine Shed.....Special offer	£60.00
47036 Sectional Lineside Hut.....	£20.50

NEW DAPOL 14/48/58xx

0-4-2T G.W.R. or B.R.
Available in various G.W.R. & B.R. liveries, autofitted or not, numbered or un-numbered, basic, DCC or DCC sound fitted.
BASIC RRP £225.00 OUR PRICE £191.25
Sound fitted RRP £400.00 OUR PRICE £345.00
Available late 2018 Reserve yours now

LIONHEART SUBURBAN COACHES

Fully finished superb quality with interior details and lights.
Single cars (3 types) B.R. Maroon
RRP £265.00 OUR PRICE £225.00
2 car 'B' set G.W.R. or B.R. 6 types
RRP £470.50 OUR PRICE £399.99
4 car D set G.W.R. or B.R. 4 types
RRP £823.50 OUR PRICE £699.99

NEW DAPOL SENTINEL Y1/Y3

LNER, LMS, GWR, B.R. or N.C.B.
Basic RRP £175.00 OUR PRICE £148.75
DCC fitted RRP £205.00 OUR PRICE £174.25
Sound fitted RRP £350.00 OUR PRICE £297.50
Available late 2018 Reserve yours now

DAPOL (EX LIONHEART) PANNIERS

64XX and 74XX G.W.R. or B.R.
List Price £399.00 OUR PRICE £340.00
Sound fitted RRP £550.00 OUR PRICE £467.50

NEW DAPOL 57XX/8750 PANNIERS

57XX in GWR, BR & London Transport
8750 in GWR and BR Liveries
Basic Version **RRP £235.00 OUR PRICE £199.75**
Sound Fitted **RRP £420.70 OUR PRICE £357.50**

NEW DAPOL 10 FOOT W.B. WAGONS

B.R. Open Wagons (various)
RRP £45.00 OUR PRICE £38.50
B.R. VEA, VBA, MEAT, INSULATED AND STANDARD VANS (12 TYPES)
RRP £49.95 OUR PRICE £42.50

NEW DAPOL

B.R. Standard 20T Brakevan 8 versions including Grey or Bauxite, numbered or un-numbered
RRP £79.95 OUR PRICE £67.95

DAPOL HEA & HAA COALWAGONS

4 Types of each
RRP £49.95 OUR PRICE £42.50
Available mid 2018.
Reserve yours now

NEW DAPOL B.R. MARK 1 COACHES

Available as CK, SO, SK and BSK in crimson & cream, S.R. green, blue & grey, chocolate & cream and maroon, numbered or un-numbered
Basic RRP £199.00 OUR PRICE £169.15
DCC fitted RRP £234.00 OUR PRICE £198.90
Available late 2018 Reserve yours now

DAPOL (EX LIONHEART) 45XX PRAIRIE

Superb quality fully finished with diecast body and excellent detail. Choice of six liveries, numbered and un-numbered.
RRP £495.00 OUR PRICE £420.75
Sound fitted **RRP £650.00 OUR PRICE £552.50**
Available mid 2018 Reserve yours now

IXION HUDSWELL CLARKE

R.T.R. 0-6-0 LOCO
Lined forest green
RRP £299.00 OUR PRICE £225.00
OR FITTED WITH DCC SOUND £375.00

IXION FOWLER

0-4-0 DIESEL SHUNTER
GWR No1 lined green
or private owner plain green
RRP £299.00 OUR PRICE £225.00

HELJAN CLASS 128 PARCELS RAILCAR

6 Versions
See website for details
RRP £599.00 OUR PRICE £475.00
Available NOW

NEW HELJAN CLASS 121

Passenger Railcar
Available in a range of liveries from Cats Whiskers to N.S.E
RRP £599.00 OUR PRICE £475.00
Available mid 2018. Reserve yours now.

NEW HELJAN CLASS 117

3 Car D.M.U.
Available in a range of liveries from Cats Whiskers to N.S.E
RRP £1100.00 OUR PRICE £875.00
Available late 2018. Reserve yours now.

NEW HELJAN CLASS 120

2 and 3 Car D.M.U.
Choice of blue or green liveries
2 car set **RRP £800.00 OUR PRICE £640.00**
3 car set **RRP £1100.00 OUR PRICE £875.00**
Available late 2018. Reserve yours now.

NEW HELJAN 61XX PRAIRIE TANK

HJ6100 6110 Great Western
HJ6101 6106 G.W.R.
HJ6102 6114 B.R. unlined black
HJ6103 6111 B.R. unlined green
HJ6104 6132 B.R. lined green
HJ6120 un-numbered Great Western
HJ6121 un-numbered B.R. unlined black
HJ6122 un-numbered B.R. unlined green
HJ6123 un-numbered B.R. lined green
HJ6124 5184 Great Western
HJ6125 4144 B.R. unlined black
HJ6126 5158 B.R. lined green
RRP £649.00 OUR PRICE £500.00
Available mid 2018 Reserve yours now
See our website for full details

NEW HELJAN 43XX MOGUL

7 standard versions in G.W.R. and B.R.
all un-numbered and
3 limited editions numbered
List Price £779.00 OUR PRICE £630.00
Available 2018 Reserve yours now

NEW HELJAN CLASS 45

6 versions from original green to later blue
RRP £699.00 OUR PRICE £550.00
LAST FEW

NEW HELJAN CLASS 03

Several versions from original green to later blue
Price to be confirmed
See our website for details

NEW HELJAN CLASS 05

HJ2590 B.R. Plain Green
HJ2591 B.R. Green with chevrons early
HJ2592 B.R. Green with chevrons late
HJ2593 B.R. Blue with chevrons
HJ2594 CEGB Yellow
HJ2595 NCB Green
HJ2596 Industrial Maroon
RRP £395.00 OUR PRICE £315.00
AVAILABLE NOW

HELJAN READY TO RUN WAGONS

Class B tankers 4 types
VAA vans 4 types
OAA open wagons 5 types
RRP £84.95 OUR PRICE £70.00
Mix and match any ten for £65.00 each

NEW HELJAN CLASS 37 CENTRE HEAD CODE VERSION

Green with yellow ends
Blue large logo
Dutch livery
Railfreight 3 versions
RRP £599.00 OUR PRICE £475.00

HELJAN CLASS 40

B.R. Blue with yellow ends
RRP £649.00 OUR PRICE £500.00
Last few

HELJAN DIESEL DEPOT

Two Road Shed **RRP £89.00 OUR PRICE £75.00**
Extension Pack **RRP £39.00 OUR PRICE £35.25**
Spare Ends (3) **RRP £19.00 OUR PRICE £16.00**
See website for details and sizes

HELJAN DELTIC

Green with yellow panels
Ltd Edition original green
RRP £599.99 OUR PRICE £475.00
Last few

HELJAN AC RAILBUS CLEARANCE

Light green with speed whiskers
Dark green with yellow panel
List Price £495.00
SPECIAL OFFER £299.95

NEW HELJAN CLASS 52

Six versions available late 2018
RRP £599.00 OUR PRICE £475.00
RESERVE YOURS NOW

NEW HELJAN CLASS 20

5 Types
List price £599.00 CLEARANCE £475.00
VERY FEW LEFT

Modelling Lives

Tales from the miniature world.



GBRf driver Matt Turner started building a layout, but ended up owning a successful firm selling a range of modern signalling equipment...

We all get asked about the spark that ignited our interest in model railways. For me it was my parents, with one of my earliest memories being of a trip to the superb Bekonscot Model Village in Buckinghamshire. I can still recall the loving but stern tone of my mother as she warned "No, no, no, Matthew, don't touch", as my ice cream-covered fingers reached for a passing train.

My parents also funded a small train set but I didn't take it too seriously – I once burned out the motor of a Class 08 by running it into a pile of uncooked rice. This, I can only assume, was placed on the tracks in an attempt to recreate an episode of *Thomas the Tank Engine*.

Fast forward a few years and I joined the railway, straight after my 18th birthday, as a platform assistant at Dorking. This was quickly followed by a position as a depot driver/shunter at Wimbledon before progressing onto my main line career at Woking. Although I had already driven a locomotive – albeit confined to a yard – I can still recall my trepidation as I took power for the first time, leaving Waterloo's Platform 1 just two weeks after my 21st birthday.

It was during my time at Woking that Bachmann brought out the '4-CEP'. I hadn't been interested in models since those 'rice-ramming' days but, as a Southern Region driver who was born too late for the slam door units, it really appealed to me to turn back the clock. Furthermore, I had the precious opportunity to pick the brains of all my senior colleagues.

After setting about building my first layout, I naturally required some signals. Impressed by the craftsmanship of Roger Murray's colour light signals, I soon returned for another batch. When Roger informed me that he was looking to sell his business, along with one-to-one training, I had virtually bought the company by the end of the phone call, and I was already coming up with ideas for expanding the range.



“My parents funded a small train set, but I didn't take it too seriously – I once burned out the motor of a Class 08 by running it into a pile of uncooked rice”

Subsequently, Absolute Aspects was formed in 2011 and has gone from strength to strength. We have expanded on Roger's designs, using up-to-date technology and manufacturing processes, while retaining his renowned hand-crafted detail. We've also worked hard to develop our modern multi-aspect range (with accurate colour representation) and our new Banner Repeaters, all alongside our famous colour

light signals and bespoke gantries. Alas, an inevitable consequence of ensuring Absolute Aspects' success is that my original layout never came to fruition.

I have, however, been very lucky with what I call 'the railway butterfly effect', ending up with a successful railway career and a booming business that supplies hobbyists around the globe. With 11 years of working on the 'big' railway under my belt, I've been fortunate enough to experience everything from driving heavy freight trains to Pullman services, as well as testing the ultra-modern Intercity Express Project Class 800s, as part of GBRf's newly formed link of Rail Services drivers.

Now even the industry itself is getting involved. We've received commissions for retirement presents, project demonstrations and training layouts for the next generation of railway staff. We've also been asked to produce a commemorative gift for the Duke of Gloucester's visit to a signalling firm's HQ.

An important factor in the success of Absolute Aspects is based on the re-creation of fully working signals, using the knowledge that I've gathered through my driver's eye. And yet it all started from the humblest of beginnings on that childhood outing with my parents.

MODELLER'S CV

Matt Turner is a driver for GBRf and proprietor of Absolute Aspects – supplier of a range of high-quality modern signalling equipment for 'OO' and 'O' gauges and 'G' scale.

Web: www.absoluteaspects.com

Facebook: AbsoluteAspects

Get 2 years of *Model Rail* for the price of 1!*

Every issue is packed with superb photography and behind-the-scenes articles about Britain's best model railways, in-depth reviews of new models, real-life inspiration and expert 'how to' advice.

Don't miss out - subscribe today!

SUBSCRIBE TODAY AND BENEFIT FROM:

- Free UK delivery to your door
- Instant access to your digital magazine whenever, wherever you are
- Get 2 years for the price for 1!



PRINT

- One-off payment of £55.90 for 26 issues



DIGITAL

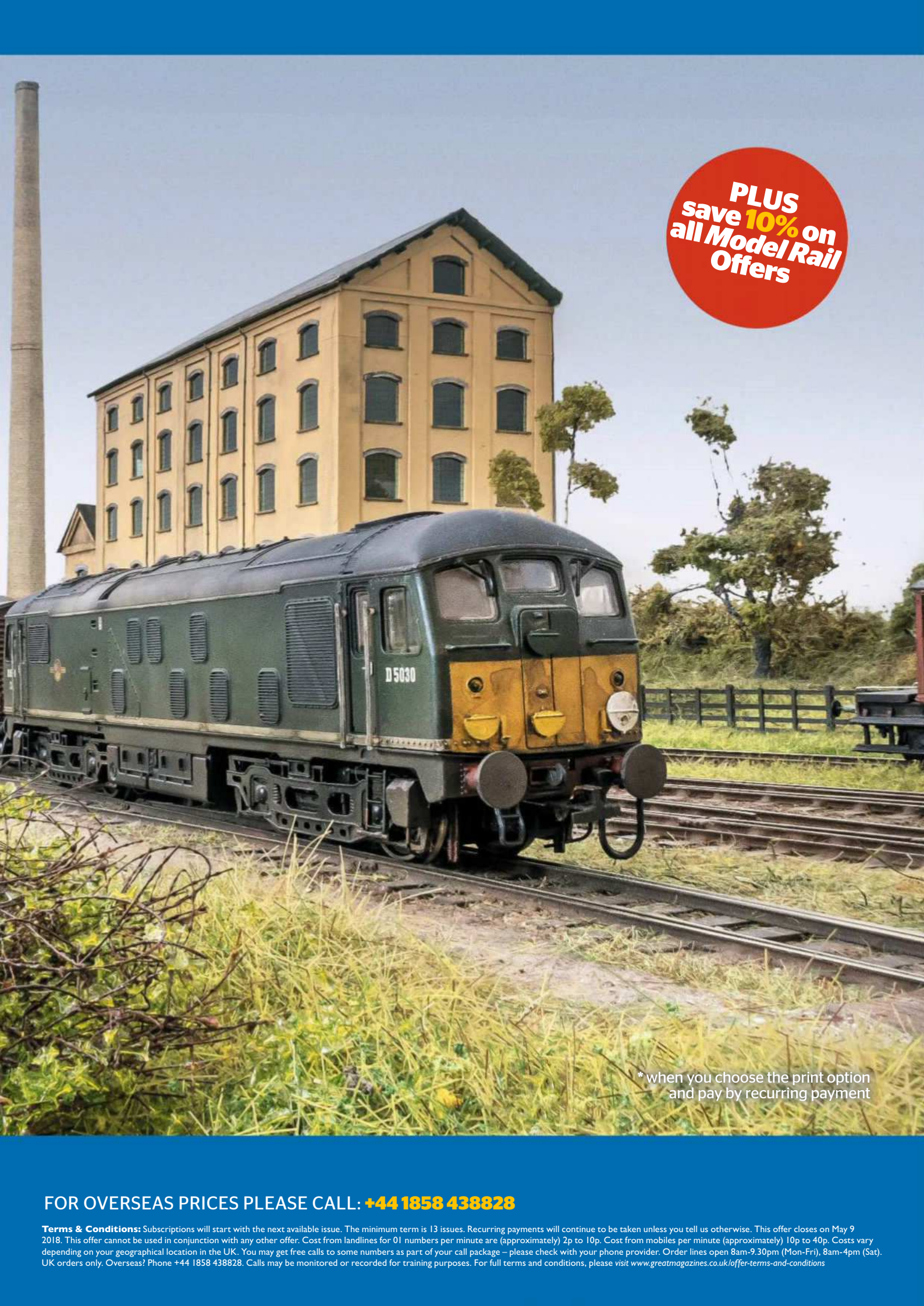
- One-off payment of £26 for 26 issues

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

01858 438884

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

www.greatmagazines.co.uk/modelrail



PLUS
save **10%** on
all **Model Rail**
Offers

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

FOR OVERSEAS PRICES PLEASE CALL: +44 1858 438828

Terms & Conditions: Subscriptions will start with the next available issue. The minimum term is 13 issues. Recurring payments will continue to be taken unless you tell us otherwise. This offer closes on May 9 2018. 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 your geographical location in the UK. You may get free calls to some numbers as part of your call package – please check with your phone provider. Order lines open 8am-9.30pm (Mon-Fri), 8am-4pm (Sat). UK orders only. Overseas? Phone +44 1858 438828. Calls may be monitored or recorded for training purposes. For full terms and conditions, please visit www.greatmagazines.co.uk/offer-terms-and-conditions

A medley of **memories**

Nostalgia was the driving force behind **Alexander Warren's** semi-fictional depiction of a run-down station in south Cambridgeshire.

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



LAYOUT 'DIDDINGTON'

VITAL STATS

Layout:

'Diddington'

Size: 11ft 10in by

13ft 1in

Gauge: 'OO'



A

side from highly detailed and accurate representations of real locations, the most popular scenes to model are ones from childhood memories. The thought of 'recapturing youth' appeals to many modellers, but for some the lure is an enabler, allowing them to accurately run the locomotives they remember seeing as they watched the trains go by.

'Diddington' is a hybrid layout featuring representations of significant childhood memories for Alexander Warren, but the creation of Grafham Water in 1965 has given him the freedom to model the area how he pleases.

"I like the fact that Diddington Brook was flooded because it means I had the freedom to design the layout how I wanted it without being restricted by comparisons to 'the real thing'. In real life there was

no Diddington station, so I was free to create it however I liked.

"For me 'Diddington' is a nostalgia project, as a lot of the places on the layout are renditions of locations I visited as a child. The turntable is from Huntingdon East, while the crossing bridge is a replica of the one at Godmanchester.

SIMPLE OPTIONS

"I wanted to keep things simple wherever I could and so the baseboards are just sheets of plywood on top of L-shaped girders with crossbeams on the curve to help create the L-shape of the layout. For the way I operate it I don't need DCC control so I have kept the layout analogue-controlled, and operated from my Gaugemaster controller."

Diddington station would have been in decline in ➤

2



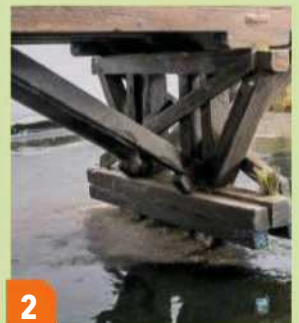
“‘Diddington’ is a nostalgia project, as a lot of the places on the layout are renditions of locations I visited as a child”

3 things we like



1

The homemade pointwork blends in nicely with the flexible track.



2

The water level below the bridge supports, indicating low tide level.



3

Diddington Mill chimney towering above the rest of the layout.

What makes this layout great?



Even though Alexander had the freedom to model ‘Diddington’ however he wanted, he has still managed to create a realistic setting for a line in decline.



3



4





the 1960s, one of the reasons why it would have been part of the flooded area when Grafham Water was created, and this has allowed Alexander to depict a station at the end of its life.

"I've modelled the 1960s as that was the era of my childhood, but it also gave me the opportunity to portray the station in a run-down state. To create that ambience there is little activity on the layout, and I've placed static grass in between the rails on the rarely used tracks.

"I started the layout in 1998 but I then left it for about ten years when I got heavily involved in boats. I'm a slow worker anyway and the track took a long time to complete as I handmade the pointwork using copper-clad sleepers, alongside SMP Flexitrack. Unfortunately, I developed some eye problems which slowed me down even further, and prevented me from making the track by hand."

There are three focal points on the 'Diddington' layout: the river, the scenic crossing at Godmanchester and the mill, a hybrid of the ones at Godmanchester ➤



and St Ives. Realistic water is hard to model in even the smallest of streams, but Alexander has modelled the Great Ouse, with more than 30 layers of varnish.

"I haven't used any of the specialist products for the river because, to model what I wanted, it would have proved too expensive. Instead, I began with a thin coat of Artex to seal the grain, and then applied a mixture of green and brown paints, getting progressively greener as I approached the centre to give the impression of depth in the murky waters. After that I just applied lots of coats of varnish. The first few layers were diluted 50/50 with white spirit and left to settle before adding the subsequent layers, reducing

the shine on the finish each time. One of the things that made the varnish method so appealing to me is that whenever I decide the river needs refurbishing I just rub it down with some wet and dry paper and put a new coat on the top."

The Kettering-Cambridge line crossed the River Great Ouse at Godmanchester on a low, wooden trestle bridge. This structure imposed speed and weight restrictions on the line and was demolished when the A14 by-pass was built.

"I drew the outline for the timber supports onto paper as a template and then pinned all the pieces in place while the balsa cement set. I wanted to make ►

"Whenever I decide the river needs refurbishing I just rub it down with some wet and dry paper and put a new layer on the top"









sure that the bridge could be removed for transport, so in the base the bridge is screwed in place rather than glued, enabling me to easily remove it when necessary.

"The majority of the mill was built for me by Dave Measey using Exactoscale self-adhesive brickwork sheets, and partial interiors. Initially we couldn't really decide on which bits of each mill to incorporate, so in the end I decided on using the main body from St Ives and the loading bay from Godmanchester. I also bought a Scalescenes chimney to increase its overall height. Had I left it as it was, the top two floors of the factory would have become very smoky!

HIGH POINT

"People ask me which part of the layout I enjoyed making the most. But I enjoyed making all of it for different reasons. The station throat was a highlight, purely because it features the largest amount of track and pointwork and I found it very therapeutic. I found nothing particularly difficult, although there is one building behind the signal box which is a bit of a headache. No matter how hard I try I cannot make the angle of the roof look correct!"

Cameo scenes are a common feature of layouts and are becoming a popular way of attracting added interest, aside from the trains themselves. Alexander has included a few figures that make for interesting viewing but has steered away from overdoing it.

"I'm not really one for cameo scenes but I do like the man waiting by the telephone box and the gentleman fishing on the Ouse near the bridge, just beyond the 'No fishing' sign."

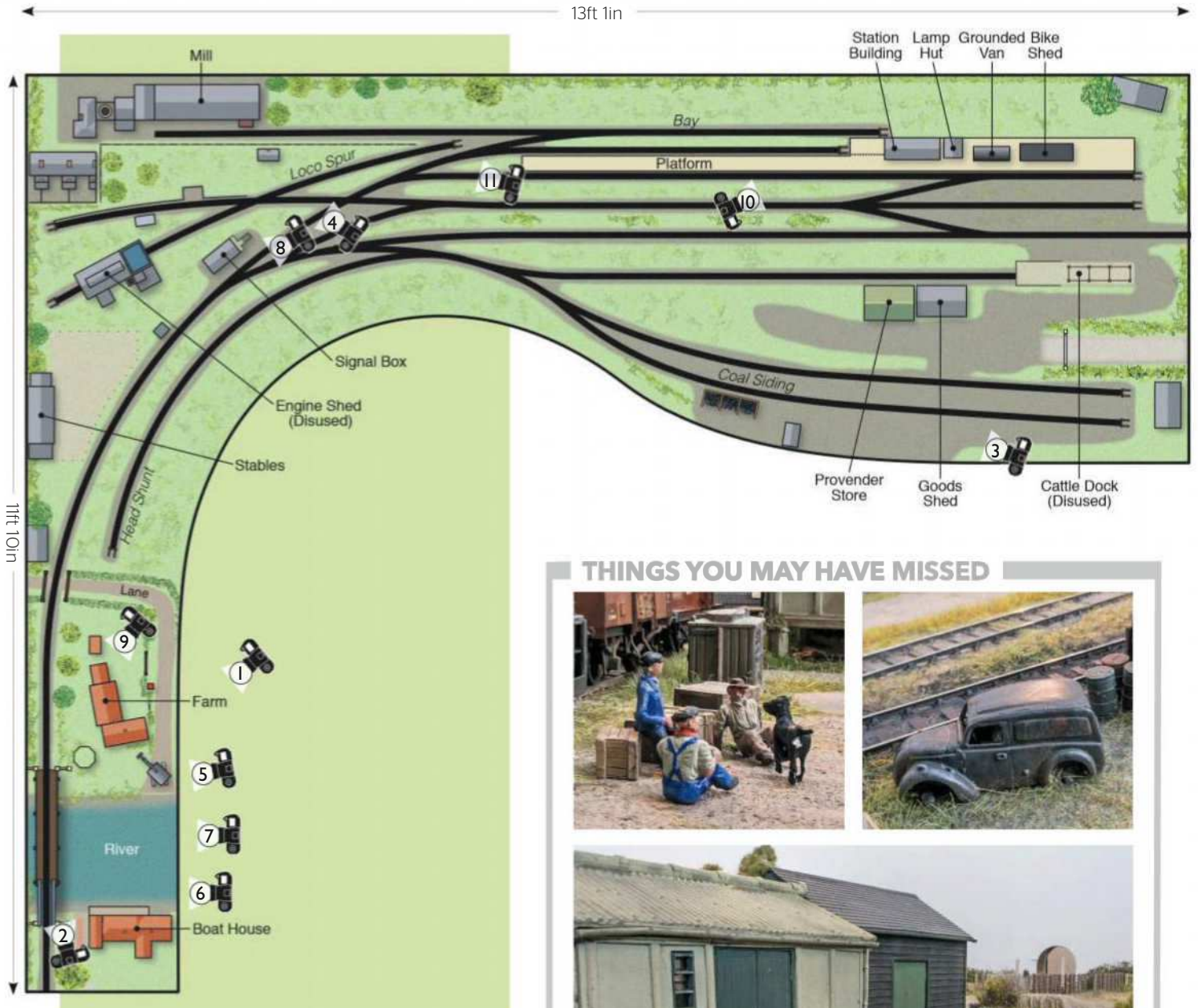
Alexander continues to improve the layout as his skills improve and new products become available. He is currently working on an extension to the layout called 'Upwell Drove' which will connect to 'Diddington' in the future. 

Cambridgeshire trains

If there's one thing that really places 'Diddington' as being in the east of England it's the combination of ER locomotive passing through typical Cambridgeshire scenery. There's a pleasing array of green diesels: Bachmann '08', '24' and '105' DMU, Hornby Class 31 and Heljan Class 15 complement a Dapol Class 04 plastic kit mounted on a Bachmann Class 03 chassis and fitted with Impetus parts to create a Wisbech & Upwell example, a Lima Class 37 fitted with a Bachmann chassis and an old Airfix '31' fitted with a Bachmann chassis.

The steam fleet is smaller and comprises of a 'K1' (modified Replica Railways 'B1' body on a Bachmann 'K3' chassis), Hornby 'J15' 0-6-0 and two Ivatt '2MT' 2-6-0s, one from Bachmann and the other built from a Comet kit. There's a distinctly non-East Anglian profile on the layout in the form of a Hornby 'Terrier'. This has been given a grubby, nondescript finish suitable for industrial service as the old LBSCR 0-6-0T shunts the mill sidings.





THINGS YOU MAY HAVE MISSED



MODELLER CV: ALEXANDER WARREN

I'm a very keen cyclist, and I've been involved in bike racing for many years. In recent times I have cycled the RideLondon race and pedalled to France to spectate there. I used to do a lot of sailing, but that was a very time-consuming pastime, compared to cycling.



32
Build a sliding
traverser



38
Store models...
safely

Workbench

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



40
Service your
locomotives



44
Make cassette
fiddleyards



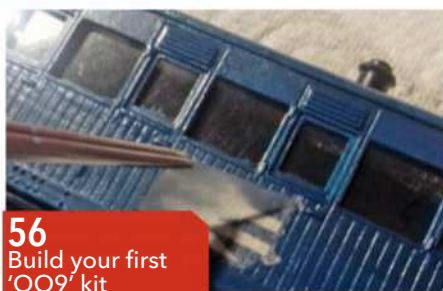
52
Save space with
a sector plate



42
Detail a Dapol
Streamliner



48
Wire fiddleyard
points



56
Build your first
'OO9' kit

Meet the Model Rail Expert Modellers



Richard Foster
Determined to make his first 'proper' layout right first time.



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



Chris Leigh
What Chris doesn't know about modelling isn't worth knowing!



Dave Lowery
Professional model maker with a lifetime's experience.



Chris Gadsby
Loves to get his hands busy with a good kit.



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



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

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

HOW TO

BUILD A SLIDING TRAVERSER

George Dent builds his first traverser fiddleyard using £7 components from Screwfix.

Having covered the building of the main baseboard and a set of legs in last month's issue, my attention soon turned to creating a suitable non-scenic fiddleyard. As this micro layout will mostly feature smaller locomotives and rolling stock, I initially considered a simple cassette arrangement.

However, even small RTR 'O' gauge locomotives are pretty hefty and, with a few wagons in tow, the length required would make handling a loaded cassette a little perilous.

Instead, I decided on a sliding traverser, which will be another first for me and something that I've wanted to experiment with for a long time. Offering a more secure option to removable cassettes, it should hopefully make for easy, quick and reliable operation, while also providing plenty of storage space.

There are a number of vital factors to



consider when designing a traverser. The most immediate is the need for accurate alignment of the fiddleyard with the main baseboard.

While the main scenic baseboard - a Tim Horn laser-cut plywood structure - is 3ft deep, my fiddleyard is 1ft shallower, sitting flush with the front face of the layout. That meant that the pre-formed alignment holes on the main 'board were unsuitable and new apertures would need to be drilled.

The mating face of the fiddleyard board was, therefore, cut first and married up to the main baseboard edge. After checking alignment of the upper edge, the parts were clamped together before the marking out and drilling of holes for a quartet of M6

bolts, washers and wingnuts that will hold the two sections together.

UPTURNED BOARD

The main structure of the fiddleyard resembles that of an upturned baseboard, with a sheet of 9mm plywood forming the bottom face, strengthened by a framework of timber on the upper surface. Suitably sized slots were cut into the plywood, allowing access to the mounting bolts at the baseboard joint, as well as for the attachment of the legs.

A short lead-in section allows the curved tracks to transition smoothly into parallel straight sections before reaching the traverser, the bed of which has to be aligned so that it remains at exactly the right height as it moves laterally.

The entire fiddleyard board is 4ft long and 2ft deep, with the traverser's large drawer runners offering a maximum travel

George's 'O' gauge layout is taking shape, with a traverser fiddleyard added to the main baseboard.



PHOTOGRAPHY: GEORGE DENT

STEP BY STEP

1

The outer edges of the 4ft by 3ft Tim Horn baseboard (MR246) feature pre-formed holes to match a similarly sized board. But my fiddleyard will be narrower, so new connecting holes are required.

3

The holes need to be just large enough for the M6 bolts to pass through snugly but freely. A 6.5mm bit was used and the debris cleaned out before test-fitting the bolts.

2

Having cut the mating face of the fiddleyard board, it was aligned and clamped to the baseboard before the drilling of four holes. Scrap wood was clamped to the inner face to prevent the plywood splintering.

4

Offcuts of plywood reinforce the bolt positions on the inside face of the fiddleyard end. They were fixed in place, clamped by the bolts and wingnuts while the glue dried.

What you will need

SHOPPING LIST

- ◆ Wood screws
- ◆ M6 bolts (60mm)
- ◆ M6 washers
- ◆ M6 wingnuts
- ◆ 550mm ball-bearing drawer runners (ref. no. 20420)
- ◆ Straight door bolts
- ◆ PVA glue

Availability: Screwfix Tel: 03330 112112
Web: www.screwfix.com

TOOLS NEEDED

- ◆ Hammer
- ◆ Screwdrivers
- ◆ Straightedge
- ◆ Set square
- ◆ Clamps
- ◆ Drill and bits
- ◆ Spanner
- ◆ Jigsaw
- ◆ Spirit level
- ◆ Tenon saw
- ◆ Sandpaper

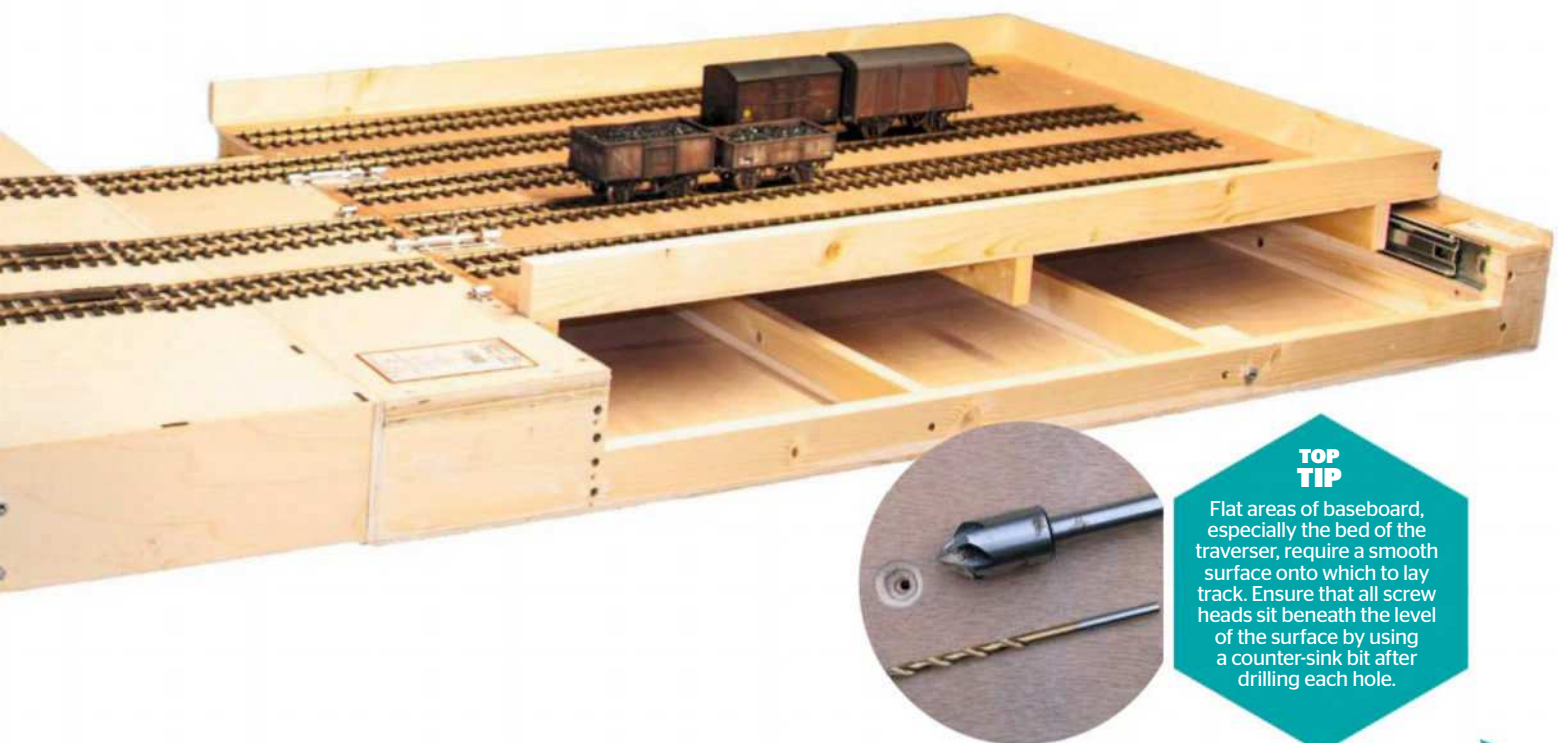
of 430mm (approximately 2ft 5in). This is adequate for my simple track plan and should ensure that most - if not all - of the storage tracks can mate up with each of the running lines.

The modest depth of the traverser also ensures that coupling or 'manual'

marshalling is easily achieved, without having to overreach myself.

While it took me a little time to refine the design on paper, assembly proved straightforward. A set of high-quality ball-bearing drawer runners provide ultra-smooth movement for the traverser

and are capable of supporting a substantial load. Obtained from Screwfix, the runners are available in various lengths and, at just under £7 per pair, they offer great value. Furthermore, if maintained correctly, they should last for the lifetime of the layout.



TOP TIP

Flat areas of baseboard, especially the bed of the traverser, require a smooth surface onto which to lay track. Ensure that all screw heads sit beneath the level of the surface by using a counter-sink bit after drilling each hole.



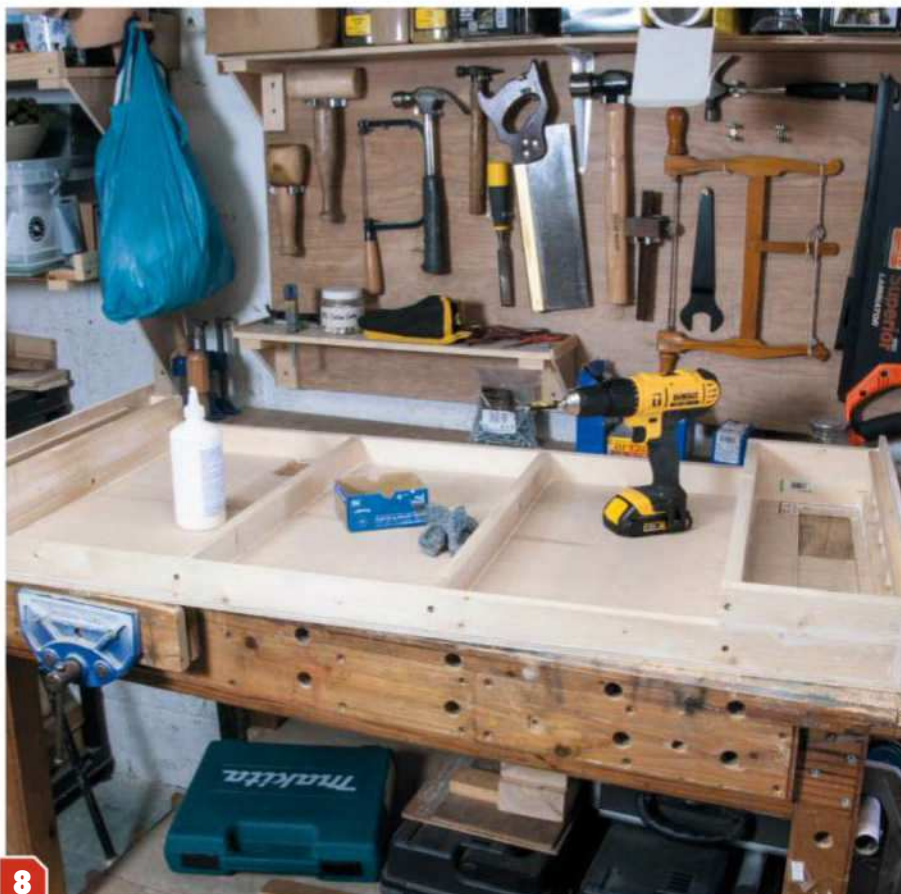
5 Slots needed to be cut in the plywood base in order to access the baseboard alignment bolts and to house the pair of legs at the opposite end. Use a large drill bit at each corner and remove the waste with a jigsaw.



6 Always use a sharp blade in a jigsaw to help cut accurately without overheating the tool and splintering the plywood. To protect your hands, dress the cut edges of plywood with sandpaper.



7 The softwood framework consists of 18mm by 44mm sides and cross-braces, with 9mm plywood employed for each outer end. The frame was assembled 'dry' first, checking that all angles were square.



8 When I was happy with the assembly, the framework was dismantled and secured permanently with glue and countersunk screws, clamping where necessary and cleaning up excess adhesive.



9 The 18mm by 44mm framing was doubled up in height at each end, glued, screwed and left clamped overnight. The plywood outer ends were reinforced at each corner with internal timber blocks, glued and screwed for strength.



10 At the end that mates with the main baseboard, layers of 12mm and 9mm plywood were needed to bring the tracked to the correct height. In order to save weight, I cut large slots into the lower layer of plywood.



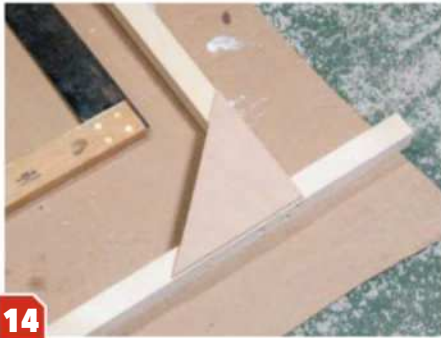
11 The mating end of the fiddleyard board will house short lengths of fixed track which must be the same height as those on the main baseboard. All screws were fully countersunk to keep the top face flat.



12 At the other, terminal end of the fiddleyard board, a single layer of 5.5mm ply sits atop the framework, providing a recess over which the end of the traverser will hang.



13 A pair of legs was needed, created from 34mm by 34mm planed timber, in the same manner as those for the main baseboard (MR246), only with shorter stretchers to match the width of the fiddleyard board.



14

After assembling the uprights and horizontal stretchers, 9mm plywood corner brackets were glued and nailed to the outer face of the legs, which will add stability to the framework.



15

The legs fit through slots cut into the base, with sufficient space for my hand to operate the nuts and bolts once the traverser bed is installed. Clamp in position, check for uniform height and drill mounting holes.



16

Fix the fiddleyard to the main baseboard, finger-tightening the wingnuts via the slots cut into the base. Leave a little slack in the bolts while any fine adjustments are made.



17

Check that the deck of each baseboard is flat and meets as closely as possible, using a spirit level or straightedge. When satisfied, tighten the wingnuts and bolts. Large washers distribute the compression force.



18

A pair of horizontal bracings link the legs of the fiddleyard with those of the main baseboard. Check that the legs are standing vertically before drilling the mounting holes for the bolts.



19

Sets of ball-bearing-fitted drawer runners are available from Screwfix in 350, 450, 500 or 550mm lengths, with or without a soft-close feature. I opted for the largest size, without the soft-close option.



20

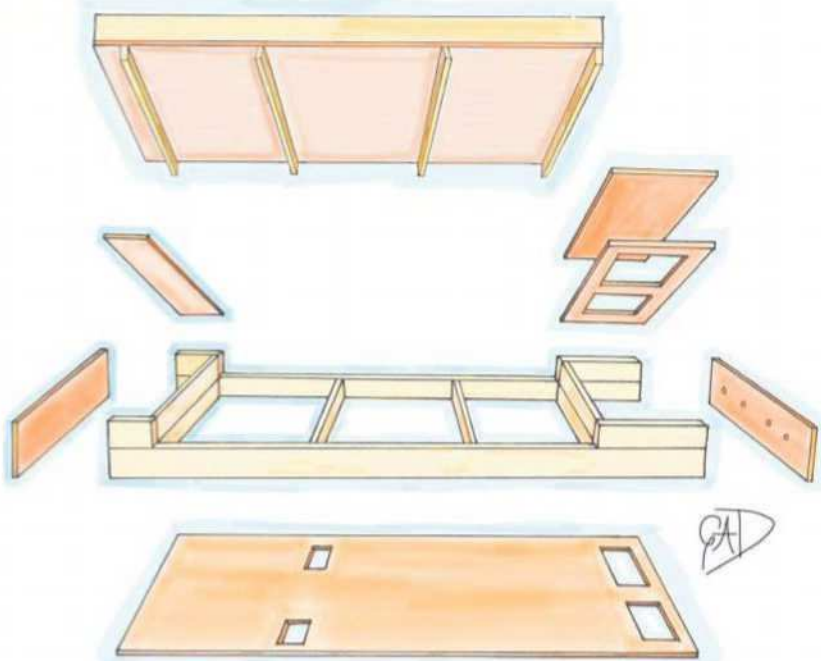
Disconnect the outer layer of the runners via the small lever trigger and fix the base section to the inside of the traverser bed, with the end stop of the runners at the front of the layout.



21

The outer frames of the runners are secured to the outer timber framing of the traverser bed. Horizontal and vertical slots allow for fine-tuning of the runners' position, until the deck is aligned exactly.

Sliding traverser fiddleyard Exploded diagram





22

The traverser bed was formed from 6mm plywood, with 44mm by 18mm PSE timber framing to the upper face of the sides and outer end. A central brace beneath complements the outer braces on which the drawer runners sit.



23

The outer lateral braces are slotted onto the drawer runners before the traverser bed is laid on top. Double-check the height of the deck before drilling and screwing the bed to the braces.



24

Further checks were made of the rail height across the transition from baseboard to traverser, while also testing whether the bed could move freely from side to side. The drawer runners are very smooth and quiet.



25

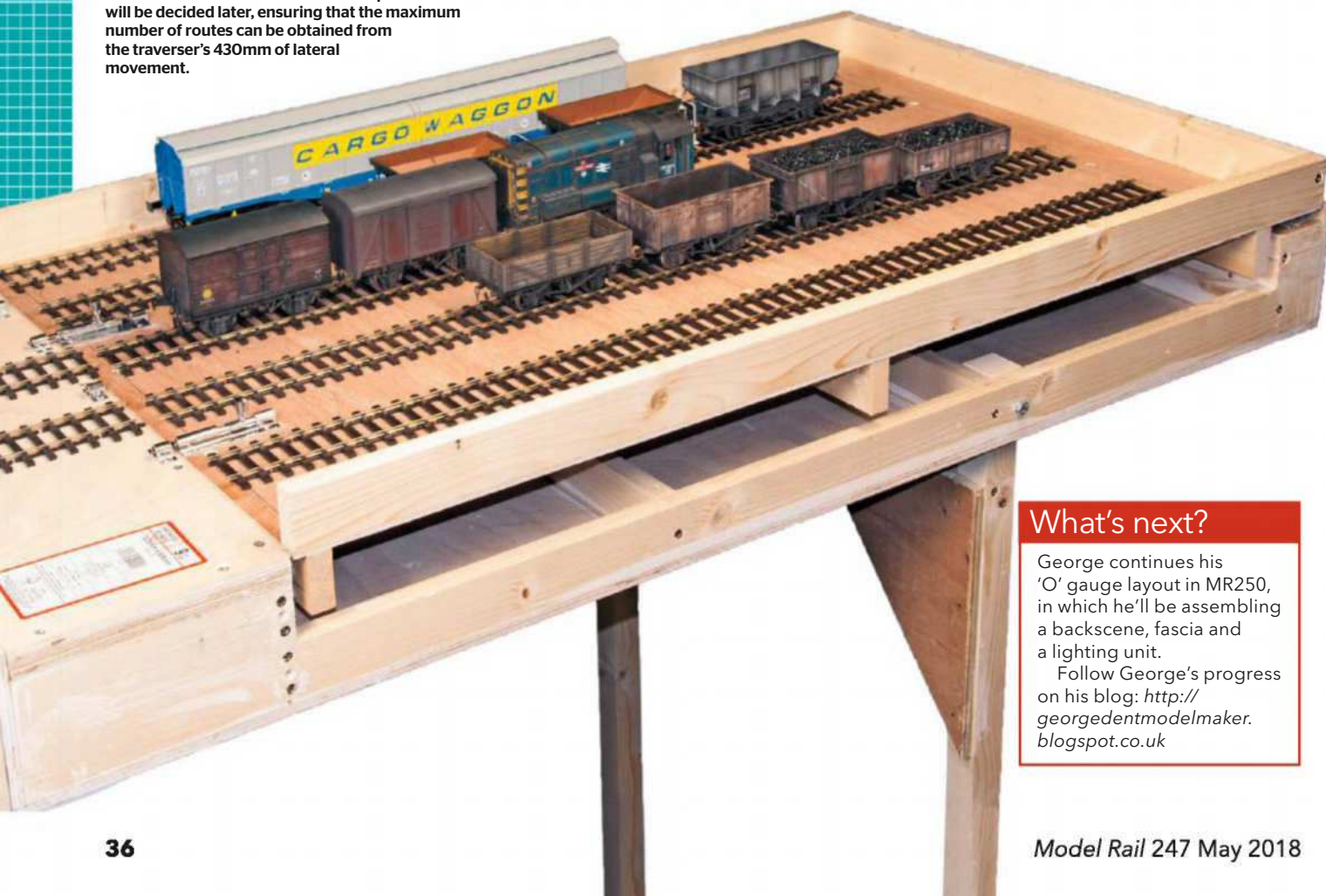
A number of straight door bolts will hold the bed in position while the train enters or exits the traverser. Their exact positioning will be determined once the track has been laid.



26

At the outer end, the traverser overhangs the recessed base, thus maximising the length of each storage track. Adequate clearance must be provided for the traverser to move freely.

The number of tracks and their exact positions will be decided later, ensuring that the maximum number of routes can be obtained from the traverser's 430mm of lateral movement.



What's next?

George continues his 'O' gauge layout in MR250, in which he'll be assembling a backscene, fascia and a lighting unit.

Follow George's progress on his blog: <http://georgedentmodelmaker.blogspot.co.uk>

Olivia's Trains of Sheffield

'OO' Gauge UK DCC
Sound Specialists.



25a Mansfield Rd,
Intake, S12 2AE

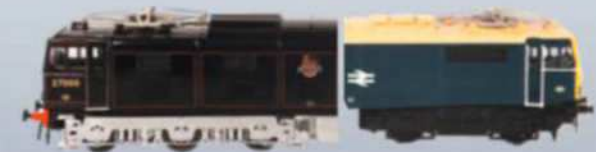
Extensive UK sound library utilising the Loksound decoders.

DCC/ Sound Fitting Whilst You Wait.



Heljan Class 58's Available Now.

Bachmann Class 66 111 Available Now!



Heljan EM2 Class 77 / EM1 Class 76 - Available Now.



Heljan "Falcon" 4 Versions.



Heljan "Kestrel" Available Now.



Dapol Class 73's
Available Now.



Coming 2016 - Class 73 In EW&S, Fragonset & Network Rail.
pre-order now!

For More details on the above & all our stock visit:

www.oliviastrains.com

Tel: 0114 3216 160 Tel: 0114 2647 449 Mob: 0755 7126 651

e-mail: oliviastrains@blueyonder.co.uk



HOW TO

STORE MODELS... SAFELY

After finding a nasty surprise within a box of models, **George Dent** resolved to take a few simple steps to organise and protect his collection.

As a modeller with somewhat eclectic tastes, I've managed to amass a modest collection of locomotives and rolling stock, many of which get only occasional use on layouts.

By and large, I'm a modeller who looks after his collection, but I encountered a few surprises when I opened a box that had been stored in the attic for the past few years. Some items had fared better than others, with physical damage arising from the odd dropped box or inappropriate packaging material.

Loose detail fittings, glazing, footplate crew and broken buffers were the most common issues and were easily remedied with a little glue and a touch-up of paint.

However, a more serious issue also became apparent, in the form of heavily corroded steel wheels and axles on a number of 'O' gauge wagon kits. Luckily, the problem was discovered early enough to make the repair straightforward, but it was frustrating to know that the problem could have been easily avoided.

ATTIC ATTACK

Lofts are not the ideal place to store delicate and valuable models for long periods. Dusty and prone to wide fluctuations in ambient temperature and humidity levels, attics can be unbearably hot in summer and freezing cold in winter. In such conditions, materials can expand and contract, and lubricants may dry out or lose their viscosity and seep away.

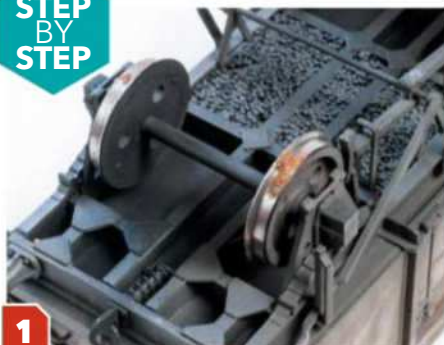
Condensation forms in colder conditions and this moisture can have detrimental effects, being absorbed and retained by porous paper or card packaging, which greatly exacerbates the problem. Indeed, the worst of the corroded steel wheels were found on wagons that had been wrapped in paper kitchen towels and boxed for 'protection' (not by me, I hasten to add!).

Once these were discovered, I resolved to unpack my entire collection and check on the health of every item, ensuring that each was safely packaged before returning it to storage. A modest investment in sturdier plastic boxes, with secure-fitting lids, plus moisture-absorbing silica gel sachets, should be rewarded by improved security and accessibility.



Above: Stackable, sturdy and with locking lids, these storage boxes should keep George's prized model collection safe.

Top: Slipping a small sachet of silica gel inside every box will help to avoid problems when storing models in less-than-ideal conditions.

STEP
BY
STEP

1

The inevitable result of storing bare steel components, wrapped in kitchen towel within cardboard packaging and kept in a damp environment: corrosion. Caught early enough, we can remedy such issues easily enough.



3

WEAR EYE PROTECTION!

Thin abrasive strips (www.albionhobbies.com) are held against the wheel nearest the chuck, working from medium to ultra-fine grades until the metal is polished. Swap the axle around and treat the other wheel.



5

Add a small drop of light oil such as Labelle 108 into the brass axle bearings before refitting the wheels into the vehicle. Check that your choice of oil is safe for use near plastics.



7

Silica gel sachets can be obtained in various sizes and their presence helps minimise most problems associated with humidity and temperature fluctuations – essential if storing your stock in an attic, shed or garage.



2

These 'O' gauge wheels feature long pinpoint axles, allowing them to be retained securely in a mini drill. This Proxxon universal holder clamps the drill safely, allowing hands-free operation. Set the drill to the lowest speed.



4

Clean away any debris and residue from the wheel and axle using cotton buds dipped in a track cleaning fluid such as Track Magic. Set the wheels aside to dry naturally for an hour or so.



6

Carefully install the wheels and check that the axles turn freely in their bearings. If the axle stubs have also rusted, treat them in the same way with fine abrasives and cleaning fluid as necessary.



8

I use 10g sachets, with one or two slipped into the box of each locomotive, coach or wagon. They should be renewed every couple of years and must be kept away from children and pets.

Box clever

The Really Useful Box range offers a wide variety of tough, plastic containers with sealable lids. Made in the UK, they're ideal for housing model trains and scenic items. The clear material makes it easy to see what's inside and they can be safely stacked.

Web: www.reallyusefulproducts.co.uk



With silica gel sachets added and the box lids locked tightly in place, these boxes create a more stable environment.

Selling your models

Do you have too much model railway stuff? If you've decided to streamline your collection you have a number of options: either sell the items yourself directly, via eBay or other similar websites, trade in your stock at your local model shop for cash or credit towards new models, or sell them to a retailer who will offer a free valuation, and may even cover the cost of collection.

Listed here is a number of specialist companies that deal in pre-owned models, which can be contacted directly with a list of your unwanted locomotives, rolling stock, buildings and kits.

DB Models

Tel: 01778 420066

E-mail: dbmodels@live.com

Hatton's

Tel: 0151 733 3655

Web: www.hattons.co.uk

Ellis Clark

Tel: 01274 809317

Web: www.ellisclarktrains.com

Rails of Sheffield

Tel: 0114 255 1436

Web: www.railsofsheffield.com

Ron Lines

Tel: 0238 077 2681

Web: www.ronlines.com

HOW TO

CLEAN YOUR LOCOMOTIVES

George Dent clears the dust and debris out of some long-stored motive power and treats it to a service and an oil change.

Model locomotives are miniature, precision-made machines and they require regular servicing to ensure that they perform correctly. Moving parts such as gears and drive shafts will eventually wear out unless they're properly lubricated.

Oils and greases do not last forever: models that run on a regular basis are at risk of the lubricants becoming life-expired, while the oil may dry out in those left in store for long periods.

Moreover, dirt is readily picked up from dusty layouts, being captured by sticky lubricants and drawn into the mechanism. Power contacts can also become clogged with dirt or contaminated with leaking oil, seriously impairing performance.

A full strip-down of motor and gears is only required in extreme cases, with most servicing possible by removing access plates on the chassis and bogies only. Be sure to read your locomotive's service sheet for details of where and how often to lubricate parts. If you've lost the instructions, they can generally be downloaded free from manufacturer's websites.

USE THE RIGHT OIL

Choosing the correct oil and grease is important. Thin, penetrating oils are ideal for axle and motor bearings, while electrically conductive oils, such as Peco's Power Lube, reduce friction on power contacts. Worms, gear wheels and universal joints, on the other hand, require a thicker, more tenacious grease that will stay put as the parts rotate at high speed.

We also need to check that an oil or grease is compatible with plastics and painted finishes. Using the right amount of lubricant is also imperative, as an excess can have a negative effect on performance and lead to spillage onto wheels, contacts and rails.

Cleaning agents are available for motors and gears, while most track-cleaning agents are also suitable for treating wheels and power contacts.

As for the bodywork, a sweep with a large, soft-bristled brush is usually enough to clear



TOP TOOL

Speed up the wheel-cleaning process with this handy device from Trix. Simply place it over your track and hold the model as the powered wheels spin. A track-cleaning fluid can be added to the brass brushes to improve performance. Available in various gauges, see www.gaugemaster.com

This shelf-bound model hadn't run for years but, after a little TLC it was soon in fine fettle.

ANY GAUGE



2 hours per locomotive



What you will need

SHOPPING LIST

- ♦ Labelle oils and motor cleaner fluid Availability: Golden Valley Hobbies Tel: 01981 241237 Web: www.goldenvalleyhobbies.com
- ♦ Hob-e-Lube Gear Lube and Precision Model Oils Availability: Peter's Spares Tel: 01642 909794 Web: www.petersspares.com
- ♦ Microbrushes Availability: Albion Hobbies Tel: 01202 511232 Web: www.albionhobbies.com

TOOLS NEEDED

- ♦ Mini screwdrivers
- ♦ Tweezers
- ♦ Paintbrushes
- ♦ Microbrushes
- ♦ Swabs

Fix any loose or broken parts after the model has been serviced and run in. Decant cyano glue onto a scrap of card and apply a tiny amount with a cocktail stick for neat bonds.

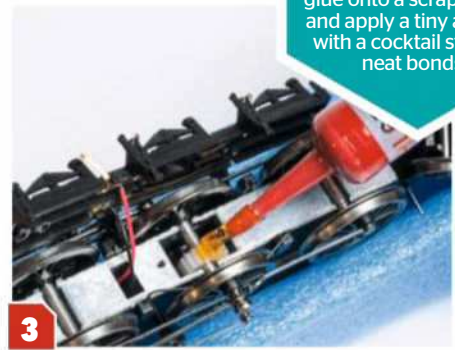
STEP BY STEP



1 Surface dust can be swept away with a clean, dry brush - preferably one with long soft bristles. However, to treat the mechanical elements, some degree of dismantling may be necessary.



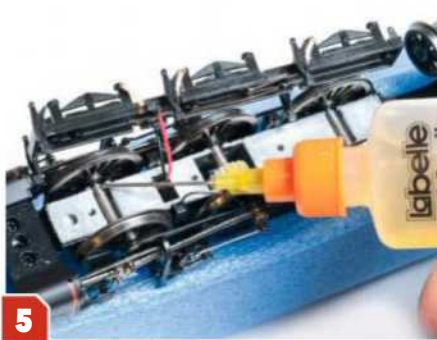
2 Having removed the lower chassis cover, the drive gear can be treated with Labelle's 901 Motor Cleaner fluid. This removes old, dried lubricant. Apply with a microbrush and wipe surfaces clean with swabs.



3 Clean power collectors of debris and grease with a swab or microbrush dipped in track-cleaning fluid. Check that the copper strips are not distorted, and re-shape gently if necessary.



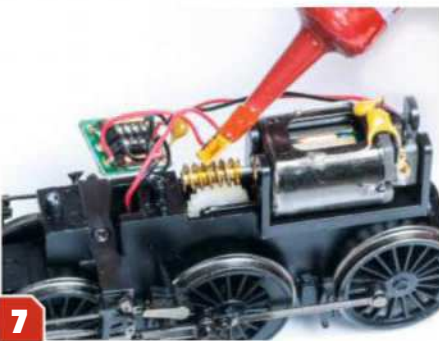
4 A small amount of Hob-e-lube Gear Lube is applied to the gear wheel's teeth. The lubricant will be dispersed during running-in shortly, so don't worry about covering the whole of the gear.



5 Use only high-quality light model oil such as Labelle 108 to lubricate the axles and bearings. Just a small drop will suffice. If the axles transmit power direct to the chassis, use Peco Power-Lube instead.



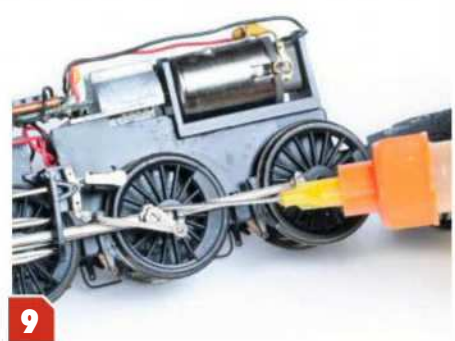
6 Dental picks and flossers are handy for cleaning out life-expired grease from between gear wheel teeth, helped by the Labelle 901 cleaning fluid. Take care not to contaminate the motor's armature.



7 A circuit board and metal cover had to be removed from the Bachmann 2-6-4T in order to access the worm and upper gear wheel for cleaning. Another pea-sized drop of Gear Lube was applied.



8 Many diesel and electric-outline models employ horizontal gear trains, accessed from beneath, and these can be checked, cleaned and re-greased as necessary. Remember to clean any power contacts.



9 A single drop of light oil (such as Labelle 108) applied to each crank pin, coupling rod joint, piston rod and slide bars will reduce friction and promote smoother running. Wipe away any excess with swabs.



10 Give the wheels a good clean with a swab dipped in track-cleaning fluid, before running the mechanism on a rolling road or test track for at least 30 minutes. This will help to disperse the lubricant.



11 If the bodyshell and painted areas of the chassis frames need a thorough clean, use a weak alcohol-based cleaner (see main text), brushed on in small areas. Wipe dry with cotton swabs.



12 Finally, give the wheels and power contacts another clean to ensure that oil and grease haven't contaminated them. A microbrush dipped in a track-cleaning agent is ideal.



HOW TO

DETAIL A DAPOL STREAMLINER

Dapol's new GWR Streamlined railcar is a good-looking model, but **Chris Leigh** thinks it could be much better with a few simple tweaks.

There hasn't yet been a model that you can't improve or personalise and the Dapol 'flying banana' is no different. I reckon it needs passengers to distract the eye from that hump that covers the motor. The interior needs a little paint, although I could find little in my reference books to confirm such things as the seat or carpet colours. A driver would be good too - and the correct number of horns on the ends.

The only other body detail that's missing is the destination board. With today's high-quality printing, it would not be difficult to print this component and it would make a real difference. These cars ran a lot of stopping services in the West Midlands and, judging from photographs, the destination boards were usually displayed. The cars had standard-style boards, as used by the GWR on locomotive-hauled secondary stock. The board was a wooden plank, 32in long, which fitted in two brackets. On the railcars these were at waist level, below the window to the left of the door.

I found some good quality colour images in a Great Western Railwayana Auctions



MODEL Dapol 4D-011-003 Streamlined railcar, BR lined carmine & cream ♦ **Price** £140.50

AVAILABILITY
Dapol stockists



A gleaming W14 at Birmingham Snow Hill in the 1950s on a local West Midlands service. The sunlight is clearly picking out the four angled horns under the right-hand end. The destination board can be seen to the left of the door, directly under the window. COLOUR RAIL



STEP BY STEP



1

The body just unclips and lifts off, but in order to get to the seats you'll need to unscrew the ceiling-level lighting board. Two screws above the cabs at each end hold it in place.



2

With the lighting board still tethered by its wires, I held it to one side while I painted the motor cover matt black and picked the seats out in dark green.



3

I scanned a picture of a GWR carriage destination board from a railwayana auction catalogue and reduced it on computer to a scale 2ft 6in long. It was glued under the window to the left of the door.



4

These Noch seated workmen had been intended for a Bachmann Wickham trolley but their job got cancelled. The lower floor in the streamliner means that some passengers won't need to have their legs trimmed.



5

I added seated passengers from Noch and Preiser, trimming off their legs as necessary. I also cut one or two at a suitable angle to fit up against the motor cover.



6

I could not find a photograph of the cab interior for Nos. 8-16, so I based it on No. 1, using a US freight car handbrake wheel, a signal lever and a Peco track pin for the gear lever.



7

I made extra horns from 1/8in brass rod turned in the chuck of a minidrill against a semi-circular profile needle file. I bent the plastic horns down at an angle and drilled angled holes for the new horns.

catalogue. These were in crimson and cream, so they suited the livery of my model but it would be more difficult to find them in GWR colours. These boards are not

uncommon at railwayana auctions and the catalogues usually have nice square-on photographs. For several years Egham & Staines Model Railway Society actually had a Staines branch destination board displayed in the clubhouse. I never photographed it, and the owner took it with him when he left the club. Making your own destination



I found a high-resolution colour photograph of a suitable destination board in an auction catalogue, scanned it and reduced it to scale length. The catalogue gave the length of the real thing as 32in. GWRA

boards on the computer, in Microsoft Word, would not be too difficult.

I put drivers in both cabs using two of my own cast figures. These are no longer in production so you will need to obtain suitable motormen or seated driver figures from Langley Models or Dart Castings.

All the pictures I can find show four horns

angled downwards, not two horizontal ones, as supplied on the model. The existing horns can be gently bent downwards but I could not find any available horns that were large enough, so I made four more out of 1/8in brass rod. I shaped it in a minidrill, using various needle files, and then trimmed it off the 'stem' with a razor saw.



HOW TO

MAKE CASSETTE FIDDLERYARDS

George Dent, Chris Nevard and **Chris Leigh** offer advice on building simple fiddleyards that save space – and money.

Unless you're modelling a static diorama, the purpose of model railways is to recreate the movement of trains within a landscape.

Therefore, the locomotives and rolling stock need to shift from one place to another.

This may involve remaining within a scenic setting but, in most instances, we prefer to move our trains 'off stage' where they can be re-marshalled, turned or exchanged for a different set of 'performers'.

The fiddleyard is the conventional means of sorting and storing trains away from the visible scenic area. Most conventional fiddleyards contain a fan of sidings or loops, but this demands a considerable amount of space and they may even turn out to be bigger than the layout itself.

For end-to-end layouts, locomotives or entire trains may require turning so that they can run back 'on stage', but excessive handling of delicate models is seldom a good idea.

Cassette-type fiddleyards remove much of the need for handling the trains directly, as well as offering savings on the cost of points. They're also ideal for maximising the available space.

Cassettes can be made in various lengths



to suit your own operating needs, although there are limits in terms of length and weight that can be easily handled. They can take the form of a simple tray crafted from plywood, MDF, or even foamboard, with protective sides and removable ends (to stop trains rolling out while in transit).

SAFER OPTION

Using several cassettes on the same layout keeps handling of models to a minimum, although rotating a cassette of more than 3ft in length can be tricky, especially in a confined space, or an exhibition hall where other people are milling about.

Once a train has rolled into a cassette, it can be slid to one side, or lifted away and stored safely elsewhere in the fiddleyard or on adjacent shelves. Indeed, creating stackable cassettes, with removable tops and ends, is a fairly straightforward task.

If there's no need to turn the entire train, be sure to allow room for locomotives and brake vans to be uncoupled on each tray

and repositioned at opposite ends. Space for fingers to reach around models is a good idea anyway, as it helps when correcting derailments.

FLAT-BOTTOMED

The fiddleyard baseboard simply requires a purpose-built flat-topped surface set to the correct height to match the rest of the layout. Allowing for the depth of the cassette tray, the board may need to be set a little lower, to ensure consistent rail height across the transition from scene to storage.

Track alignment with the main baseboard is also simple, especially when compared to traversers or sector plates. Regular rail joiners (fishplates) soldered to the ends of the rails in the cassette are a popular option and power transfer to the rails may be either through joiners or, for greater reliability, via separate leads and crocodile clips.

While audio cassettes may have been rendered obsolete, the humble cassette fiddleyard remains a relevant device for space-starved modellers. Offering many practical and economic advantages, it's a system that's surely here to stay!

STEP BY STEP

1

The fiddleyard base is a traditional baseboard-type construction, although it's worth making the surface as smooth as possible to allow the cassettes to slide; MDF is an ideal material for this.

2

Be sure to countersink all screws in the top surface. Countersink bits are available to fit power drills, but this hand-operated version works equally well and offers more control - ideal for softer materials like MDF.

3

The fiddleyard board, mounted on a pair of legs and bolted to the end of the layout. The board has been made slightly longer than the largest cassettes that will be used, ensuring a little extra working space.

4

Check that the fiddleyard board is sitting level with a set square. Free-running rolling stock can roll around unless the boards are set up on a level footing. Adjustable feet on the baseboard legs are helpful.

5

Chris Nevard prefers to build cassettes from lightweight foam board, with 2mm thick plywood sides fixed with PVA glue. It's easy to build and surprisingly tough - if you drop one (without a train!) it will bounce rather than break.

6

This 'OO' gauge cassette uses a length of Code 100 track bonded to a length of 6mm foam board using PVA or impact adhesive. It's 60mm wide to enable finger access to either side of the rolling stock.

7

This smaller fiddleyard board features raised sides to prevent items of rolling stock from ending up on the floor. The left-hand side connects to the layout, with a short, fixed lead-in section of rail.

8

An alternative is to use plywood or MDF for the cassette base, adding aluminium angle for the sides to give it rigidity without making the unit too heavy. Mark out and cut the aluminium with a junior hacksaw.

9

Remove any burrs from the cut edge with a flat file. The aluminium angle can then be glued to the plywood or MDF base with a strong impact adhesive (an adhesive such as Evo-Stik is ideal).

10

The track should also be glued in place, using a steel rule to ensure that it's straight and parallel to the sides. Regular PVA wood glue will do the job, brushed onto the surface and the track placed on top.

11

Clamp the track with weights while the PVA cures. When it's dry, check that the heights of the rails match those of the main layout. Alignment aids and power feeds will be needed (see panel on page 47).

12

Simon and Chris Challis employ aluminium angle, screwed onto plywood bases, to form the rails, gauged appropriately. Note the lozenge-shaped inserts that serve to re-rail any rogue items of rolling stock.



Above: Neil Sullivan's 'Carrick Road' features a simple yet impressive cassette fiddleyard system.
CHRIS NEVARD

What you will need

SHOPPING LIST

- ◆ Hornby R910 rail joiners
Availability: Hornby stockists or www.hornby.com
- ◆ 6mm foamboard
Availability: Craft shops or www.foamboardonline.co.uk
- ◆ 2mm birch plywood
Availability: Cornwall Model Boats
Tel: 01840 211009
Web: www.cornwallmodelboats.co.uk

TOOLS NEEDED

- ◆ Knife
- ◆ Tweezers
- ◆ Drill and bits
- ◆ Screwdrivers
- ◆ Junior hacksaw
- ◆ Files
- ◆ Soldering iron and equipment



TOP TIP

Remember to build more cassettes than you have trains - you will need a couple of empty ones too for trains to run onto.



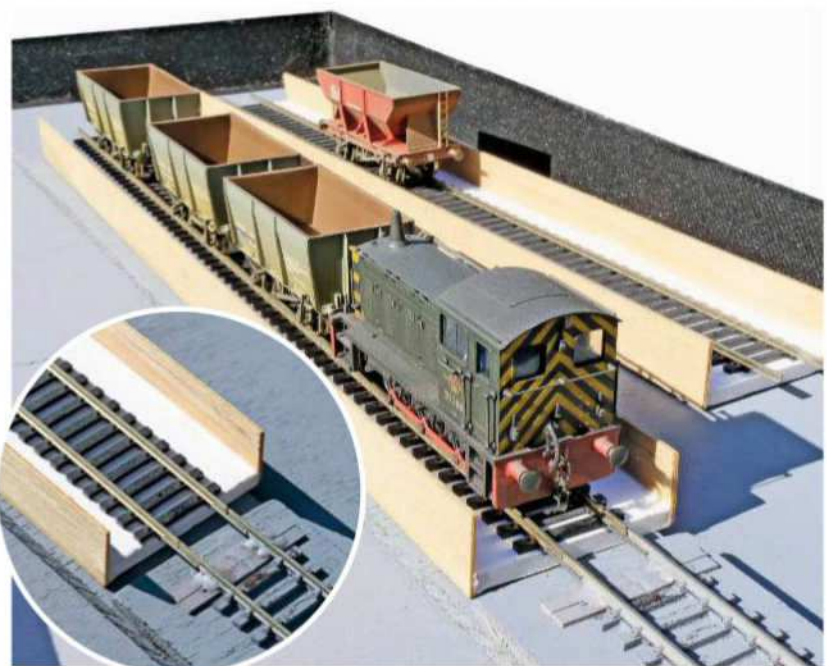
EXPERT TIP: ALIGNMENT & POWER TRANSFER

Chris Nevard says...

Small cassette fiddleyards are simple to build and are particularly suitable for shorter trains. Operation is easy: the train is run off the layout onto a removable tray which is easily turned around or replaced with another. With this fiddleyard board, a lead-in stretch of track (about 4in long) is permanently fixed to the base and a thin strip of plywood brings the cassettes up to the required height to marry up the rails, which protrude beyond the ends of the cassettes by about 10mm at each end.

Alignment and power transfer is achieved via a pair of Hornby rail joiners (more robust than Peco's), soldered to the end of the fixed lead-in rail section. The joiners have been opened out a little on the outer side to help the cassette's rails slide into place. The copper-clad sleepers on the approach track are there to add a little extra resilience against the regular changing of the cassettes.

No extra wiring or switches are required. If the rail connections work loose over time, a light grip of the Hornby rail joiners with a set of pliers usually remedies any problems.



HOW TO

WIRE FIDDLEYARD POINTS

You can spend a lot of money building a fiddleyard, but **Richard Foster** devised his own solution that suits his needs and doesn't break the bank.

There's no 'right' or 'wrong' way to design a layout. You have to go with what works best for you. Some layouts will benefit from a sector plate fiddleyard. Others suit a sliding traverser.

I enjoyed using the fan of sidings-style fiddleyard during the few times I was lucky enough to operate Julian Birley's 'O' gauge re-creation of Evercreech New (MR159).

I really liked how you could easily flow trains on to the layout, and I realised that that's the arrangement I wanted for my 'Gedney' layout.

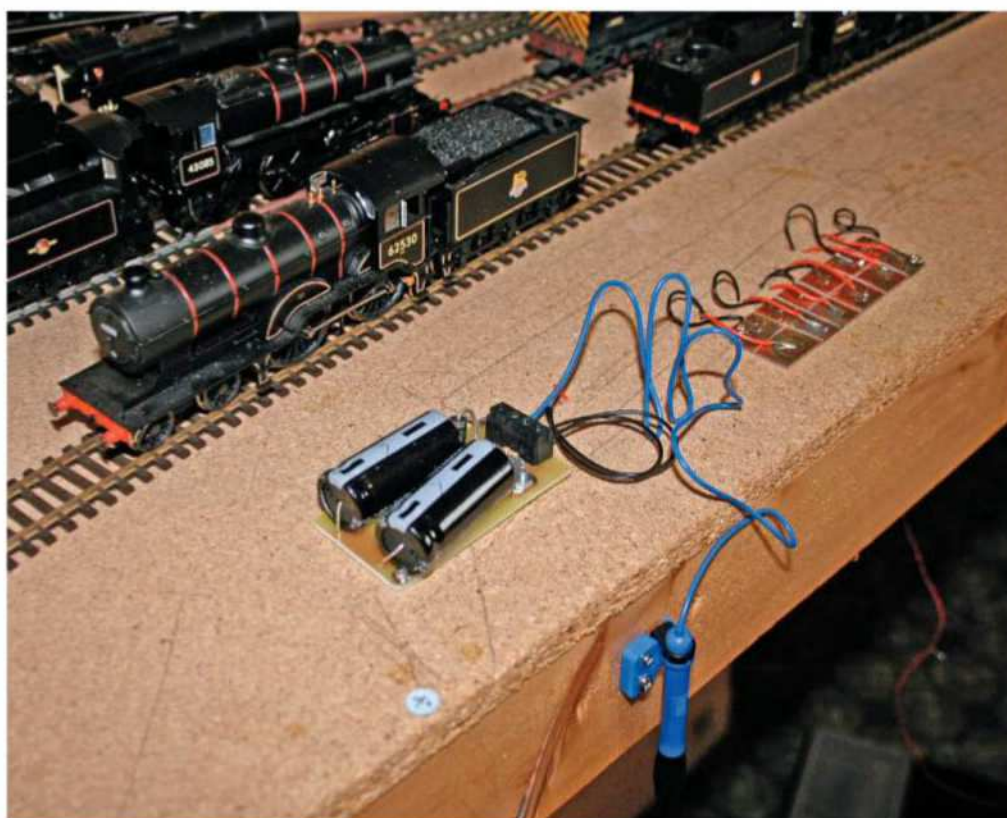
'Gedney's' fiddleyard comprises seven loops, eight dead-end sidings and 23 points. I initially controlled it by throwing each point by hand, but this got to be too tiresome, so I decided to electrify all 23 turnouts. It was a long and laborious job.

PRICE POINT

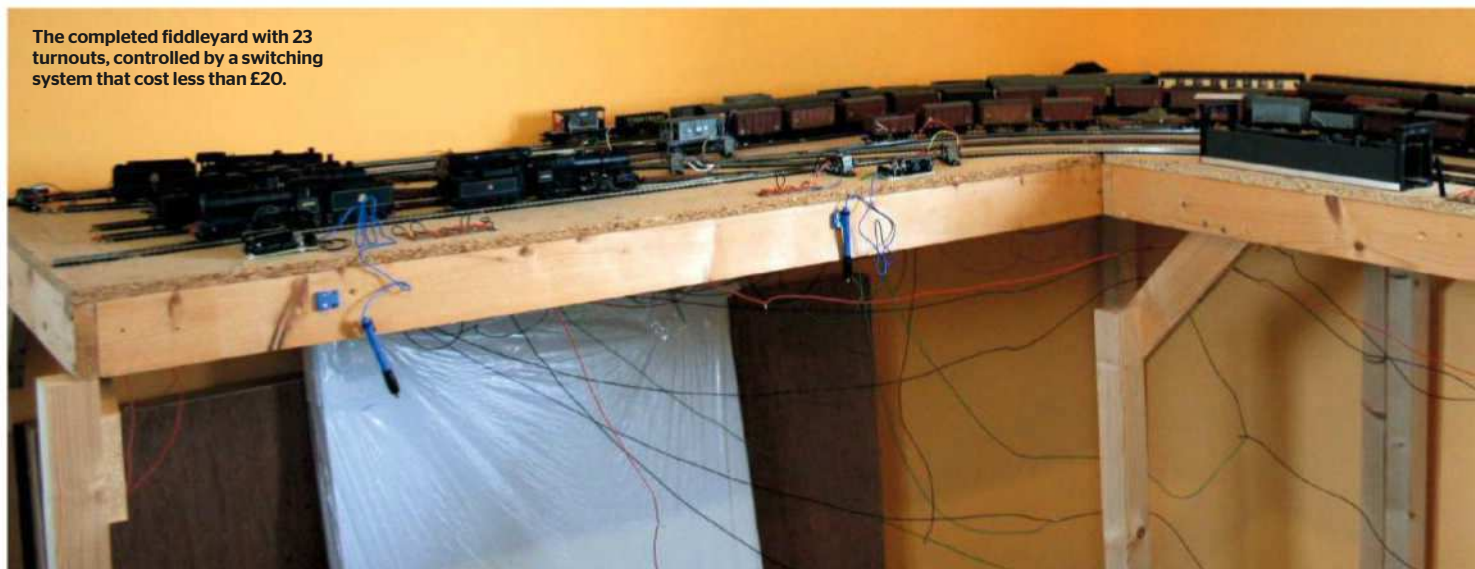
The biggest issue isn't time but cost. I already had quite a stack of old Peco and Hornby solenoids in stock.

To keep things simple, I topped these up with some Gaugemaster surface-mount point motors, as I figured these would be a lot easier to fit.

The biggest issue for me was the cost of providing switches for 23 points. Something



The completed fiddleyard with 23 turnouts, controlled by a switching system that cost less than £20.



like DCCconcepts' excellent levers would be lovely, but at £18 per point there's no way I could justify that cost.

Even Peco's little PL-26s retail at just under £7 each, which doesn't sound like a lot but would still cost me over £160...

I decided to have a go at making my own budget switching system using a Peco probe (less than £5) and a sheet of copperclad glass fibre board, which only set me back the princely sum of £3.63 (plus P&P!).

STUD AND PROBE SOLUTION

Stud and probe point control sounds complicated but it's not.

You run a wire from each half of the solenoid to a stud and connect the probe to the power supply (via a capacitor discharge unit).

Moving the probe between studs acts as the switch. Simple!

I have made a stud and probe control panel before, but I found it difficult to solder the wire to my chosen studs (some 1in nails).

So for my cut-price system I chose to solder the wire to the copper board, something that I knew I could do.

The result is not pretty but it's cheap and effective and doesn't take too much time to install.

What you will need

SHOPPING LIST

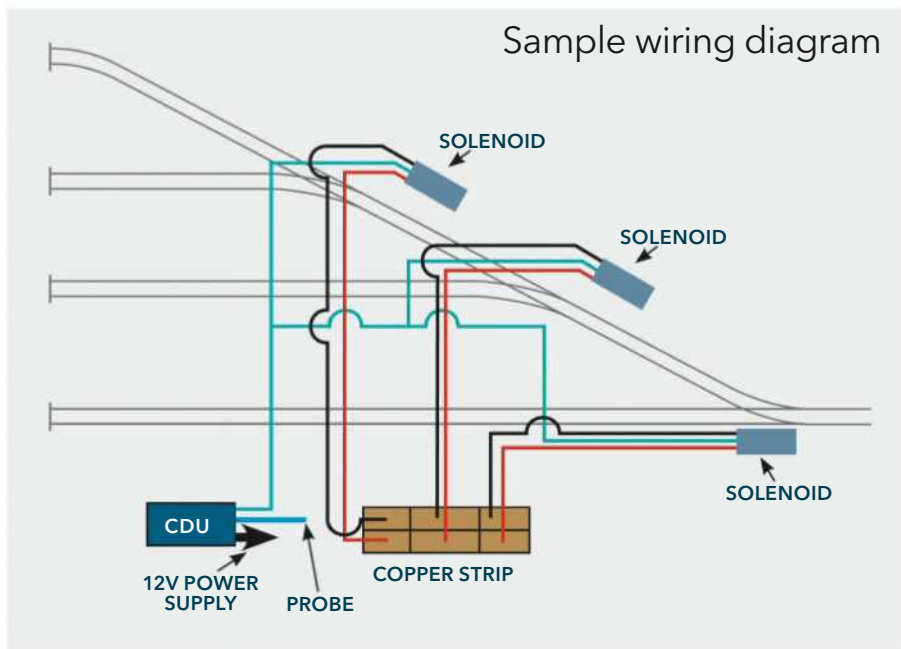
- ◆ RVFM Copper Clad Single Sided FR4 Fibre Glass Board 203mm by 305mm, £3.63
Availability: Rapid Electronics Ltd
Tel: 01206 751166
Web: www.rapidonline.com
- ◆ Gaugemaster GMC-PM20 Surface Mount Point Motor, £10.25;
Gaugemaster CDU, £14.50; Peco PL-17 Probe For Studs, £4.60
Availability: Gaugemaster
Tel: 01903 884488
Web: www.gaugemaster.com



Touching the probe against the black wire switches the solenoid - and thus the turnout - one way...



...while touching the probe against the red wire switches the solenoid back the other way.



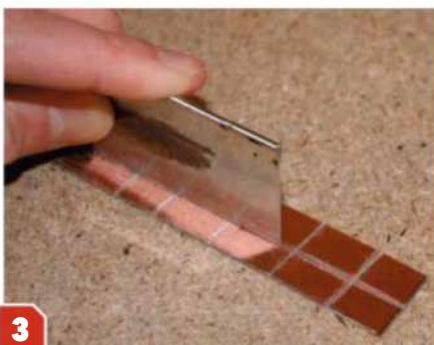
STEP BY STEP



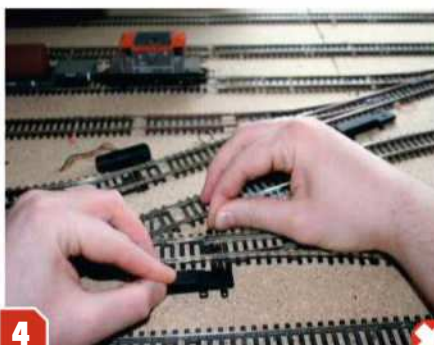
1 Cut a strip from the copper-clad glass fibre sheet. A razor saw or junior hacksaw works well, though be aware that the sheet's edges can be sharp.



2 Use a sharp blade - a razor saw in this case - to score through the copper. Divide the strip into six.

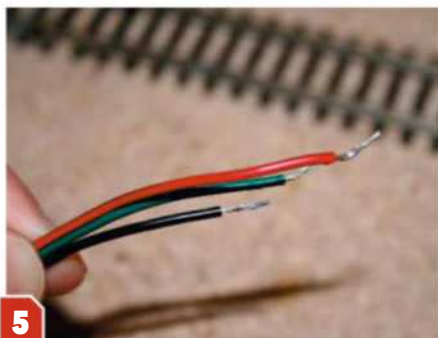


3 Divide the six strips in half to create 12 segments. Ensure that your scoring has cut completely through the copper - if not, you'll create short circuits.



4 Hold the solenoid against the point and ensure that it allows the point blades to engage on both sides.





5 The wires on the supplied harness are all the same length. Split the ends and cut them back so one is progressively shorter than the other.



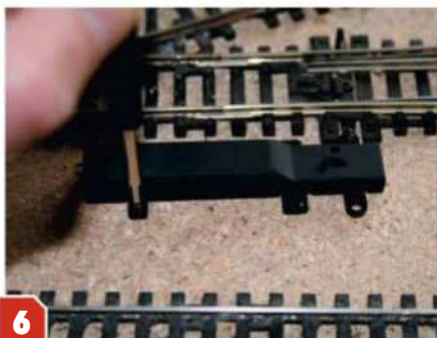
7 Plug the harness into the solenoid and feed the wires through the holes. The green wire is the power feed, the red and black wires are the switch wires.



9 The two power feeds go to the two screw terminals on the left. I've used black wire elsewhere and should have selected a different colour for ease of identification.



11 Screw the copper to the board and drill the seed wire feed holes. Apply flux to each segment and tin with solder. The red and black switch wires feed directly to the solenoid. With one end soldered to the wiring harness, tin the other end, with lots of flux, solder to the segment. Each vertical segment is for one point.



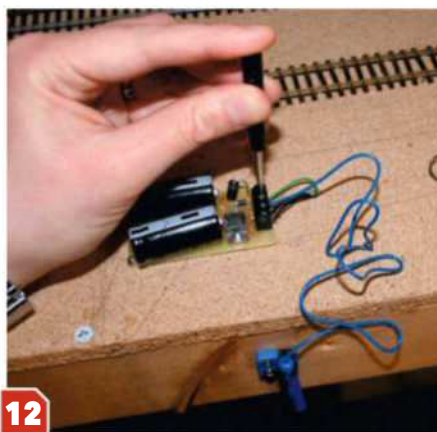
6 Mark the solenoid mounting holes, then drill them and screw the motor into place. Drill a hole nearby to accept the harness.



8 Position the Capacitor Discharge Unit, mark the holes and then drill them. Screw the CDU on to the baseboard, but not too tightly.



10 The two right-hand terminals supply power to the solenoids. The green wire is the direct feed to the solenoid - I've wired all mine in series (see panel).



12 The heart of the system is Peco's PL-17 probe. Screw this into the last remaining terminal on the CDU. The probe also comes with a handy little holster.

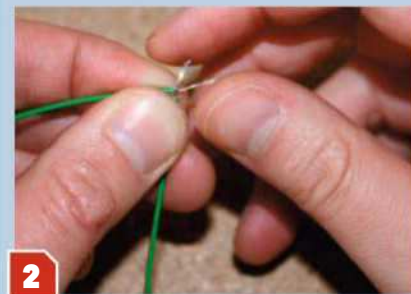
Joining wires

Some solenoids require one power feed wire whereas others, like Peco's venerable PL-10, require two. You can wire the power feed 'in series' - one after the other in a chain - but this will require three wires to be joined together: one from the previous solenoid, one to this solenoid and one to the next solenoid. It sounds complicated but joining three wires together is actually quite straightforward.

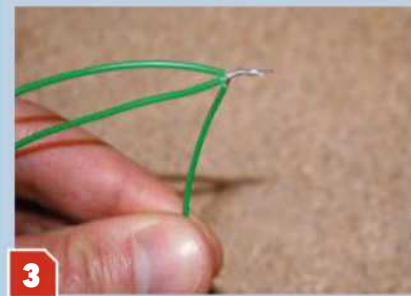
STEP BY STEP



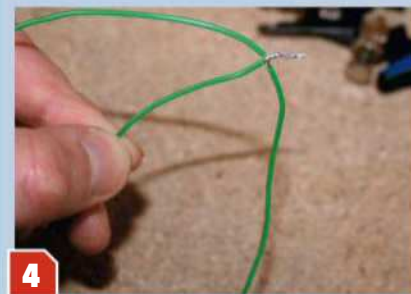
1 Use a pair of good quality wire strippers to remove a decent amount of insulation from each of the three wires.



2 Take the first pair of wires and twist the exposed ends together, wrapping them really tightly.



3 Now take your third piece of wire and twist the exposed end tightly around the first pair of wires.



4 Run flux over the three wires and solder the joint. You can help prevent shorts by wrapping the joint with insulation tape.



Kernow Model Rail Centre

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

UK POSTAGE & PACKING = £4 PER ORDER. ORDERS OVER £175 = POST FREE



NEW RELEASES - OO GAUGE

BACHMANN OO LOCOMOTIVES + COACHES



KMRC EXCLUSIVE

31-657Z Class 47 Diesel Locomotive No. 47 701 "Old Oak Common" £159.99

31-657ZDC Class 47 Diesel Loco No. 47 701 "Old Oak Common" DCC Fitted £179.99

31-657ZDS Class 47 Diesel Loco No. 47 701 "Old Oak Common" DCC Sound Fitted £259.99

31-660A Class 47/4 Diesel Locomotive No. 47 444 "University of Nottingham" BR £135.95

32-304A Collett Goods Diesel Locomotive No. 2251 GWR Green livery £97.99

32-819 Class 47/4 Diesel Locomotive No. 47 814 "Totnes Castle" Virgin livery £135.95

34-385 Thompson 3rd Class Corridor Coach No. 1090 LNER Teak livery £46.95

34-485 Thompson 1st Class Corridor Coach No. 138 Simulated LNER livery £46.95

BACHMANN OO SCENECRAFT

44-537 Caged Gas Bottles £10.00

44-586 Ground Lever Frame and Board £14.00

DAPOL OO WAGONS

4F-010-005 JNA Falcon Open Wagon No. NLU29001 Network Rail Yellow £22.99

4F-010-006 JNA Falcon Open Wagon No. NLU29002 Network Rail Yellow £22.99

4F-010-007 JNA Falcon Open Wagon No. NLU29046 Network Rail Yellow £22.99

4F-010-008 JNA Falcon Open Wagon No. NLU29198 Network Rail Yellow £22.99

HELJAN OO SHUNTERS

1409 Class 14 Diesel Shunter No. D9531 BR Green livery £109.99

1410 Class 14 Diesel Shunter No. D9537 Desert Sand livery as preserved £109.99

1411 Class 14 Diesel Shunter No. 4 NCB Ashington Blue livery £109.99

HORNBY OO LOCOMOTIVES + DECODERS

R3452 6800 Grange Class Steam Loco No. 6825 "Llanfair Grange" BR Green L/C £132.99

R3516 King Class Steam Locomotive No. 6000 "King George" GWR Green £162.99

R3534 King Class Steam Locomotive No. 6023 "King Edward II" GWR Green £158.99

R3540 Wainwright H Class Steam Locomotive No. 1324 Southern Green £119.99

R3552 6800 Grange Class Steam Loco No. 6860 "Aberporth Grange" GWR Green £133.99

R3577 Sentinel 0-4-0 Diesel Locomotive "Graham" £63.99

R3579 Class 800/0 Hitachi B1-Mode 2 Car Unit in Hitachi livery £267.99

R3588 Railroad B17 Class Steam Locomotive No. 2864 LNER Green livery £81.99

R8113 TTS Sound Decoder: Crosti Class 9F £36.99

R8118 TTS Sound Decoder: Class 20 £36.99

HORNBY OO COACHES + WAGONS

R4822 Mk1 Brake Second BSO Coach No. W9264 BR WR Chocolate & Cream £35.99

R4823 Mk1 Brake Second BSO Coach No. E9248 BR Crimson & Cream £35.99

R4845 Mk1 BG Gangwayed Brake Coach No. M80584 BR Crimson & Cream £35.99

R4846 Mk1 Corridor Second SK Coach No. M25633 BR Crimson & Cream £35.99

R4847 Mk1 Corridor Composite CK Coach No. M15185 BR Crimson & Cream £35.99

R4848 Mk1 Corridor Brake Second BSK Coach No. M34466 BR Crimson & Cream £35.99

R4849 Mk1 Second Open SO Coach No. M4365 BR Crimson & Cream £35.99

R4850 Mk1 Tourist Second Open TSO Coach No. M4428 BR Crimson & Cream £35.99



KMRC EXCLUSIVE

R4869 Mk3 Driving Van Trailer No. 82124 Network Rail livery £69.99

R6852 Trout Ballast Hopper Wagon No. 12 National Coal Board £20.99

R6883 GWR Horse Boxes in GWR Brown livery. Pack of 3 £55.99

BARGAINS - OO GAUGE

BACHMANN OO LOCOMOTIVES

30-325 Ambulance Train Pack £129.99

31-085 3200 Earl Class 4-4-0 Steam Loco No. 9022 BR Black E/E, weathered £99.99

31-679 Class 85 AL5 Electric Loco No. E3095 Electric Blue £79.99

BACHMANN OO WAGONS + VANS

37-932 3 Plank Wagon No. 473449 LMS Bauxite £8.99

37-933 3 Plank Wagon No. 471405 LMS Grey £8.99

38-052 MTA Open Box Wagon No. 395083 EWS £9.99

38-146 29 Tonne ex VDA Sliding Door Box Van ZRA No. ADC200654 BR, weathered £15.95

38-210B JJA Mk2 Auto-Ballast Generator Unit Ex-Railtrack, weathered £29.99

38-260Y Delabole Slate Presflo Wagon Triple Pack, BR Bauxite £49.99

BACHMANN OO COACHES

39-129C BR Mk1 CK Composite Corridor W15060 BR (WR) Choc & Cream, withrd £23.99

39-340A Mk2A FK First Corridor No. E13468 BR Blue & Grey £24.99

39-380A Mk2A BSO Brake Second Open No. E9418 BR Blue & Grey £24.99

39-426 BR Mk1 POS Post Office Sorting Van No. W80304 BR Blue & Grey with nets £38.95

BACHMANN OO SCENECRAFT

44-0001 Two Road Brick Engine Shed £34.99

44-0002 Stone Engine Shed with Tank £34.99

44-0006 Wooden Village Hall £32.99

44-0010 Two Wooden Platforms £24.95

44-0011 Two Wooden Platforms Ramps £8.99

44-0014 Post War Platform Shelter £13.99

44-0015 Post War Station Canopy £16.99

44-0017 Double Rail Over Road Bridge £36.99

DJ MODELS OO LOCOMOTIVES

O071-097 Class 71 Electric Locomotive No. E5002 £99.99

O071-098 Class 71 Electric Locomotive No. E5019 £99.99

O0J94-003 Class J94 0-6-0 Steam Locomotive No. 8064 BR Black £69.99

O0J94-004 Class J94 0-6-0 Steam Locomotive No. 8023 BR Black £69.99

HELJAN OO LOCOMOTIVES

26601 Class 26 Bo-Bo Diesel Locomotive No. D5300 BR Green £79.99

26611 Class 26 Bo-Bo Diesel Locomotive No. D5301 BR Green £79.99

HORNBY OO LOCOMOTIVES

R1177 Gloucester City Pullman Express Train Set £119.99

R2670 GWR Steam Freight Train Pack £29.99

R3304 Drummond 700 Class No. 30316 BR Black E/E, weathered £89.99

R3311 Schools Class No. 30908 "Westminster" BR Green E/E £94.99

R3312 A3 Class Steam No. 60062 "Minnow" BR Green E/E & GN Tender £129.99

R3313 4F Class Steam No. 4323 LMS Black £79.99

R3318 B17/6 Class Steam No. 61646 "Gilwell Park" BR Green E/E £99.99

R3332 King Class Steam Locomotive No. 6029 "King Edward VIII" BR Green L/C £89.99

R3414A 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 £22.99

R3361 Railroad Ex-SR 0-4-0 Steam Locomotive 36 Hogarth Steep £22.99

R3368TTS Class 67 Diesel 67 004 "Cairn Gorm" Caledonian Steeper. DCC Sound £139.99

R3390TTS Class 43 HST Pack - Virgin Rail East Coast with TTS Sound £179.99

HORNBY OO COACHES + VAN + WAGONS

R4353 Railroad BR Mk1 Corridor Composite Coach No. W15162 BR £17.00

R4603 Mk3 Buffet Coach No. W40008 BR Blue & Grey livery £19.99

R4627 Railroad Mk1 Second Open SO Coach No. M4478 BR £17.00

R4629 Railroad Mk1 Tourist Second Open TSO Coach BR £17.00

R4680 All Steel K-Type Pullman Third Class Kitchen Car No. 72 £34.99

R4661 All Steel K-Type Pullman Third Class Parlour Car No. 73 £34.99

R4663 All Steel K-Type Pullman First Class Kitchen Car "Lorraine" £34.99

R4664 All Steel K-Type Pullman First Class Parlour Car "Agatha" £34.99

R6365 Railroad Breakdown Train Pack - Crane with two wagons £19.99

R6368 Railroad Brake Van No. B952042 BR Bauxite £4.99

R6731 LMS 20 Ton Coke Hopper Wagon No. 299957 LMS Grey £16.99

R6731A LMS 20 Ton Coke Hopper Wagon No. 299958 LMS Grey £16.99

R6733 LMS 20 Ton Coke Hopper Wagon No. B448672 BR Brown £16.99

R6766 Toad Brake Van No. W68724 BR Grey "Princes Risborough RU..." £9.99

HORNBY OO SKALEDAL

R9730 Disused Signal Box £8.00

NEW RELEASES - N GAUGE

DAPOL N LOCOMOTIVES

2D-019-005 Class 43 HST BR Blue & Grey ER Book Set £160.99

2D-022-001 Class 68 Diesel Locomotive No. 68 002 "Intrepid" DRS £119.99

2D-022-002 Class 68 Diesel Locomotive No. 68 005 "Defiant" DRS £119.99

2D-022-003 Class 68 Diesel Locomotive No. 68 010 Chiltern £119.99

2D-022-004 Class 68 Diesel Locomotive No. 68 014 Chiltern £119.99

DAPOL N COACHES

2P-004-009 Autocoach No. 188 GWR Chocolate & Cream - Twin Cities £16.00

2P-004-010 Autocoach No. 196 GWR Chocolate & Cream - Shributton £16.00

2P-004-011 Autocoach No. 190 GWR Chocolate & Cream - Crest £16.00

GRAHAM FARISH N WAGON

373-657 14 Ton Tank Wagon "Ronuk" £19.95

GRAHAM FARISH N SCENECRAFT

42-0033 Two Lane Engine Shed £64.95

42-0061 Twin Track Footbridge £36.95

BARGAINS - N GAUGE

DAPOL N LOCOMOTIVES

ND203AD Class 56 Diesel No. 56 005 Railfreight Grey livery £89.99

ND205BD Class 27 Diesel No. D5381 BR Green livery. DECODER REMOVED £79.99

GRAHAM FARISH N LOCOMOTIVES + COACHES + SCENECRAFT

372-310 Merchant Navy Steam No. 35024 "East Asiatic Company" BR Blue E/E £109.95

372-311 Merchant Navy Steam No. 35023 "Holland-Africa Line" BR Green E/E £109.95

372-313 Merchant Navy Steam No. 35021 "New Zealand Line" BR Malachite £109.95

372-750 Fairburn 2-6-4 Steam Tank Loco No. 2691 LMS Black £81.95

374-807 BR Mk1 RFO Restaurant First Open Coach No. E10 BR Crimson & Cream £14.99

374-808 BR Mk1 RFO Restaurant First Open Coach No. M1 BR Maroon £14.99

42-031 Hampton Heath Colliery Woodstacks £1.99

42-196 Rail Interchange Shed £19.99

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

KERNOW MODEL RAIL CENTRE EXCLUSIVE MODELS

BACHMANN OO LOCOMOTIVES

31-650L Class 47 Diesel No. D1670 "Mammoth" BR Two Tone Green £149.99

31-650LDC DCC Fitted £169.99

31-650LDC Class 47 Diesel No. 47 829 Police £149.99

31-650QDC DCC Fitted £169.99

31-650QDC Class 47 Diesel No. 47 973 "Midland Counties Railway 150 1839-1989" £149.99

31-651ZDC DCC Fitted £169.99

31-650QDS DCC Sound Fitted £249.99

31-653ZDC Class 47 Diesel No. 47 706 ScotRail NSE branding, weathered £159.99

31-653ZDC DCC Fitted £179.99

31-653ZDS DCC Sound Fitted £259.99

32-066ZDC Class 43 Warship Diesel No. D845 "Sprightly" BR Green, DCC Fitted £184.95

32-135X Class 4575 Prairie Tank Steam 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

32-640Z Class 491 4-TC Unit No. 416 BR Blue with small yellow warning panel £269.95

32-641Z Class 491 4-TC Unit No. 404 BR Blue & Grey £269.95

32-642Z Class 438 4-TC Unit No. 8022 BR Blue & Grey Network SouthEast branding £269.95

32-643Z Class 438 4-TC Unit No. 8023 Network SouthEast £269.95

32-644Z Class 438 4-TC Unit No. 410 Premier Charter Blue £269.95

32-646Z Class 438 4-TC Unit No. 8007 BR Research Department £269.95

32-727W Class 66 Diesel No. 66 709 "Sorrento" GBRI £169.95

32-727WDC DCC Fitted £189.95

32-727WDS DCC Sound Fitted £279.95

32-762Z Class 57 Diesel No. 57 305 Network Rail known as "Sand Castle" £169.95

32-762ZDC DCC Fitted £189.95

32-762ZDS DCC Sound Fitted £269.95

32-777W Class 37 Diesel No. 97 304 "John Tiley" Network Rail, weathered £159.99

32-777WDC DCC Fitted £179.99

32-777WDS DCC Sound Fitted £259.99

32-780U Class 37 Diesel No. 37 261 DRS £149.99

32-780UDS DCC Fitted £169.99

32-976Z Class 66 Diesel No. 66 418 Debranded DRS Freightliner, weathered £174.95

32-976ZDC DCC Fitted £194.95

32-976ZDS DCC Sound Fitted £274.95

BACHMANN OO VANS + WAGONS + COACHES

33-300W 20 Ton Toad Brake Van ZTO No. DW35377 BR Departmental Green £16.99

33-300X 20 Ton Toad Brake Van No. 68642 GWR Grey "Penzance" £15.99

33-300Y 20 Ton Toad Brake Van No. W6366 BR Grey "Gwinear Road" £15.99

33-825X 25 Ton Queen Mary Brake Van No. AD56289 BR Engineers Grey £24.95

33-825Y 25 Ton Queen Mary Brake Van No. LD556293 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

38-140W 29 Ton ZXA (ex VDA) Sliding Door Box Van No. ADC201055 Serco £27.95

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 Blazezy Stores", withrd £24.95

39-000G Cornish Riviera Coach Pack BR (WR) Chocolate & Cream £114.99

39-001T Network SouthEast Mk2 BR Blue & Grey Coach Pack £59.99

39-001U ScotRail Mk2 BR Blue & Grey Coach Pack £59.99

39-273Z BR Mk1 GUV Coach S88804 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

BACHMANN OO SCENECRAFT

44-007Z Cornish Roundhouse. For use with 44-008Z £69.99

44-008Z Cornish Roundhouse External Walls. For use with 44-007Z £27.99

44-011X GWR Type 7 Signal Box £59.99

44-011Z LSWR Type 3 Signal Box in SR decoration £44.99

44-059Z China Clay Dries. For use with 44-060Z £73.95

44-060Z China Clay Dries Chimney & Furnace. For use with 44-059Z £43.95

44-061Z LSWR Brick Signal Box £29.99

44-062Y Single Track Engine Shed £59.99

44-097Z GWR Water Tower based on the water tower used at St Ives £49.99

44-120Z SR Boom Water Column & Arm £22.99

44-125Y Cornish Terraced Cottages £39.95

44-500Y Holmans Compressor Twin Pack £19.99

DJ MODELS OO LOCOMOTIVES

K2056 2-4-0WT Beattie Well Tank Steam No. 30587 BR Black L/C £109.99

K2056DC 2-4-0WT Beattie Well Tank Steam No. 30587 BR Black L/C. DCC Fitted £129.99

K2102 0-4-4T Class 02 No. 24 "Calbourne" BR Black E/E £124.99

K2102 0-4-4T Class 02 No. 16 "Ventnor" BR Black L/C £124.99

K2103 0-4-4T Class 02 No. 30182 BR E/E & push-pull equipment £124.99

K2104 0-4-4T Class 02 No. 30225 BR Black L/C £124.99

K2105 0-4-4T Class 02 No. 225 Southern Black (1949) £124.99

K2106 0-4-4T Class 02 No. 30193 BR Black E/E £124.99

K2201 0-6-0 1361 No. 1361 BR Black L/C £134.99

K2201A 0-6-0 1361 No. 1361 Photographic Grey £134.99

K2202 0-6-0 1361 No. 1362 BR Black E/E £134.99

K2203 0-6-0 1361 No. 1362 GWR Shributton Emblem £134.99

K2204 0-6-0 1361 No. 1364 GWR with GWR Lettering £134.99

K2205 0-6-0 1361 No. 1365 BR Black L/C, weathered £134.99

K9001 Fire Iron Accessory Pack £2.99

DJ MODELS OO GATE STOCK + WAGONS

K1001 1914 LSWR Push-Pull Gate Set No. 374 SR Lined Maunsell Green £129.99

K1002 1914 LSWR Push-Pull Gate Set No. 373 SR Unlined Malachite Green £129.99

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

SB002E/F/G/H PBA TIGER China Clay Wagons ECC International white, withrd £49.99 EACH

SB002J/K/L PBA TIGER China Clay Wagons ECC International blue £44.99 EACH

SB002M/N/O/P JIA 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

HELJAN OO LOCOMOTIVES

K4101 Dogfish BR Black, weathered. Pack of 4 £99.99

K4102 Dogfish BR Olive, weathered. Pack of 4 £99.99

K4103 Dogfish BR Civil Engineers, weathered Dutch. Pack of 4 £99.99

HORNBY OO LOCOMOTIVES

R3672 Class 50 Diesel No. 50 010 "Monarch" BR Large Logo. EXPECTED JUNE 2018 £169.99

R3673 Class 50 Diesel No. 50 007 "Sir Edward Elgar" GW150. EXPECTED JUNE 2018 £169.99

R3674 Class 31 Diesel No. D5579 Golden Ochre... EXPECTED JUNE 2018 £169.99

R3675 Class 31 Diesel No. 97 204 BR Research livery... EXPECTED JUNE 2018 £169.99

KERNOW MODELS OO LOCOMOTIVES + WAGONS

K2701 Bulleid 1-Co-Co-1 Diesel No. 10201 BR Black E/E... PRE-ORDER £169.99

K2701DS Bulleid 1-Co-Co-1 Diesel No. 10201 BR Black E/E. DCC Sound. PRE-ORDER £294.99

K2702 Bulleid 1-Co-Co-1 Diesel No. 10202 BR Black E/E... PRE-ORDER £169.99

K2702DS Bulleid 1-Co-Co-1 Diesel No. 10202 BR Black E/E. DCC Sound. PRE-ORDER £294.99

K2703 Bulleid 1-Co-Co-1 Diesel No. 10203 BR Black E/E... PRE-ORDER £169.99

K2703DS Bulleid 1-Co-Co-1 Diesel No. 10203 BR Black E/E. DCC Sound. PRE-ORDER £294.99

K2704 Bulleid 1-Co-Co-1 Diesel No. 10203 BR Green L/C... PRE-ORDER £169.99

K2704DS Bulleid 1-Co-Co-1 Diesel No. 10203 BR Green L/C. DCC Sound. PRE-ORDER £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

OXFORD DIECAST OO VEHICLE

SBP47 Land Rover Series 1 Registration English China Clays International £4.99

GRAHAM FARISH N MODELS

371-465Z Class 370 Diesel Locomotive No. 37 207 "William Cookworthy" BR Blue £129.95

374-130Z BR Mk1 GUV No. E86247 BR Maroon with Parcels Express branding £34.99

377-476Z China Clay 5 Plank Wagon Triple Pack. Tent style tarpaulin, weathered £34.99

377-490Z China Clay 5 Plank Wagon Triple Pack. English China Clays £46.99



HOW TO

SAVE SPACE WITH A SECTOR PLATE

Dave Lowery explains how he harnessed the potential of this simple space-saving device.

Most of us try to cram as much as possible into our layout plans, and this is when space-saving solutions can come in handy. One of the simplest options is a sector plate.

A sector plate is a pivoting section of track that allows trains to run from one line onto another without the need for points. Acting in a similar way to a turntable, many diverging routes can be laid to permit trains to access a fan of storage sidings or to re-emerge onto

the scenic section on a parallel line.

Sector plates can also act as one end of a run-round loop, allowing a locomotive to change tracks off-stage. They can be built to almost any length, to help shunt a locomotive alone, or entire trains.

So useful is the idea that I built a whole layout around a sector plate. 'Bevet' is a compact 'P4' gauge layout, built in the mid-1980s and based on the London & North Western around the turn of the 20th century.

In 'front of house' is the scenic layout, with

station, goods yard and small engine shed. Two lines - the main running line and the route into the cattle dock - run under an overbridge and out of view.

The sector plate is rotated to line up with either of these two lines while the train leaves the scenic section. The plate is then moved and the train reversed onto one of the hidden storage tracks behind the layout, or onto the adjacent scenic line during shunting operations.

The process is simply reversed to allow



Sector plates can be made to almost any length. Smaller plates can handle locomotives only, replacing the need for points and a headshunt in a run-round loop.



The sector plate feeds the scenic layout by rotating between three storage sidings at the rear. Note how the control panel is fixed above the storage sidings to maximise space.



A set of brass W-irons and a set of wheels is secured to the bottom of the sector plate, supporting the track as the plate pivots on its fixed axis.



An overbridge disguises the entrance to the sector plate, which services the main running line and the tracks to a goods siding (right). A card blanking panel, fixed to the sector plate, blocks the viewer's gaze under the bridge.

trains to move from storage onto the layout in the opposite direction.

The sector plate is simply a length of plywood, about 2ft in length, secured to a pivoting point a few inches from the outer end by a standard wood screw. The screw is tightened only enough to keep the wood in place, while being loose enough to allow the sector plate to rotate on this axis.

A means of aligning the tracks is essential for reliable operation. One simple solution is a small brass bolt and socket that will lock into place and hold the plate in position while the trains run back and forth.

ENSURING ACCURACY

As my layout is built to 'P4' standards, the tolerances of rails and wheels are finer, and the alignment, therefore, must be as accurate as possible. My solution was to place an etched brass W-iron unit from a wagon kit under the end of the sector plate, fitted with a set of brass bearings and a set of small wheels.

Within the sector plate's well are strategically placed pairs of phosphor-bronze strip, fixed securely to the wood base. As the sector plate moves, the wheels drop into the groove between the metal strips and align with the tracks above perfectly.

Furthermore, to help smooth transition across the gap, the ends of the rails flare very slightly outwards on the sector plate and the running lines.

As for the wiring, all you need to do is add

A view from the storage sidings across to the sector plate. The blanking 'wall' is just visible, fixed to the side of the sector plate.



a power feed to each rail on the sector plate. Only if the plate revolves more than 180° do you need to worry about polarity reversal, as you would with a turntable.

Finally, a piece of black card is fixed to the side of the sector plate so that it blocks off the view through the bridge from the front aspect

as the plate is moved. Thus, the happenings 'off-stage' are hidden from view.

The principle is a simple one and the idea has been in use for many years. However, it's still very effective and offers plenty of operational potential for space-conscious modellers.

SECTOR PLATE SHORT-CUT

Save time and avoid hassle with Noch's three-way segment turntable, says **Peter Marriott**.

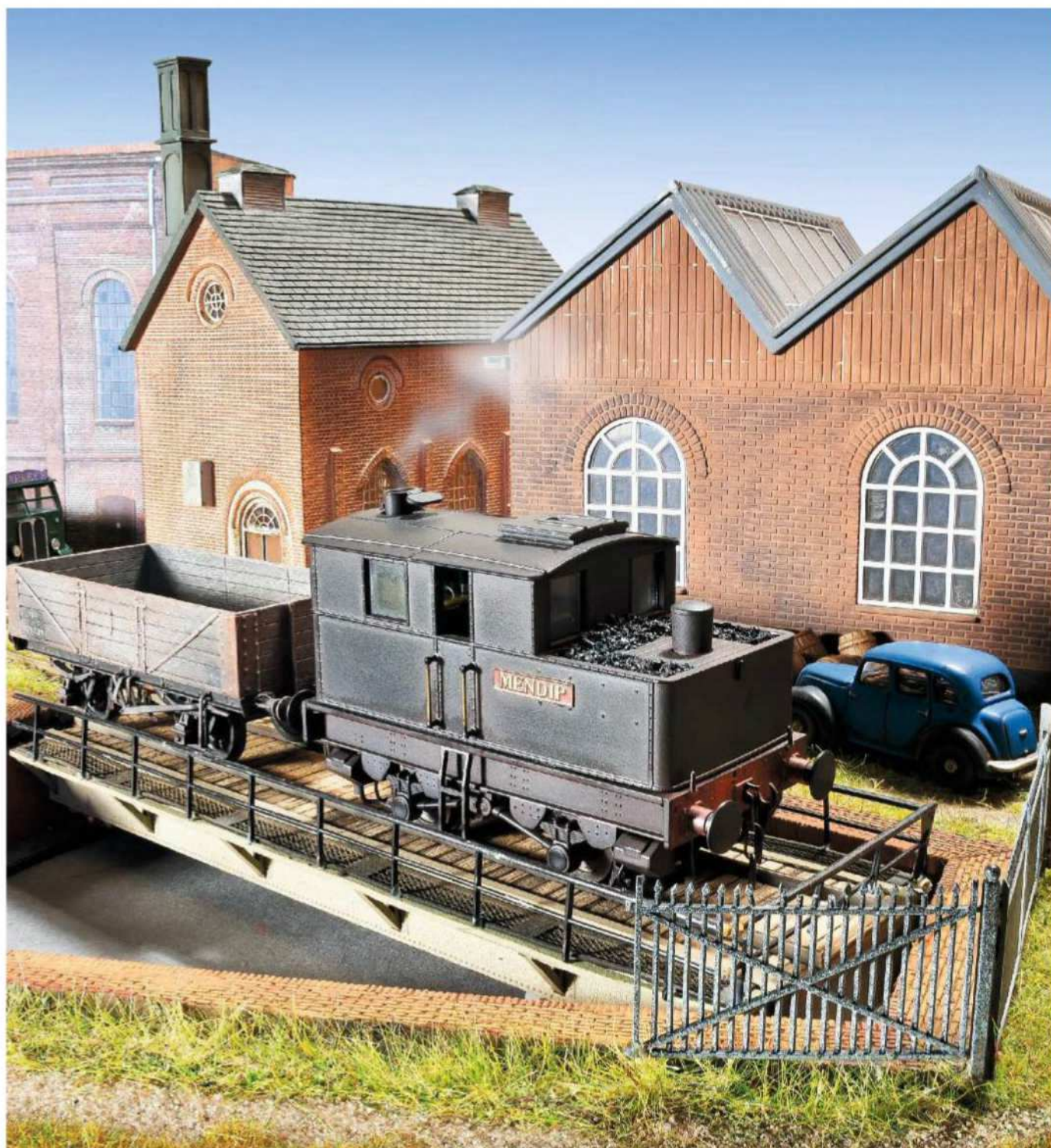
Released back in 2013, Noch's 'HO/OO' segment turntable is a real boon to those planning a minimum space layout. It will hold a locomotive that's up to 14cm long (or a small shunting engine and a single short-wheelbase wagon) and does away with the need for points and a headshunt.

While designed primarily for Continental-themed subjects, it could easily be used 'off-stage' as a shunting sector plate if you don't fancy building your own from scratch.

Supplied ready-assembled and pre-wired for either analogue or digital operation (with a decoder already installed),

a template is provided for marking out the recess required in the baseboard.

Although not currently in production, new and pre-owned examples can still be found. It's not a cheap option, but the plug-and-play convenience will appeal to those of us with limited time or less confidence in our carpentry skills.



STEP BY STEP

00 GAUGE

MODEL Noch 66250 three-way segment turntable ♦ Price RRP £195.00

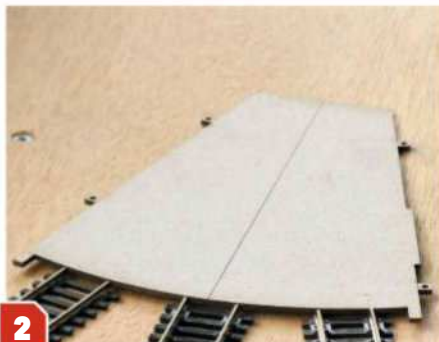
AVAILABILITY Not currently in production, but available second-hand

4 hrs



1

Noch's turntable is ready-assembled and pre-wired with an operating switch. It can be powered from a standard DCC supply or the 16V AC accessory outlet from an analogue controller.



2

Place the card template onto the baseboard, working out its rough position in relation to the track plan. Leave laying the tracks on the segment turntable until later.



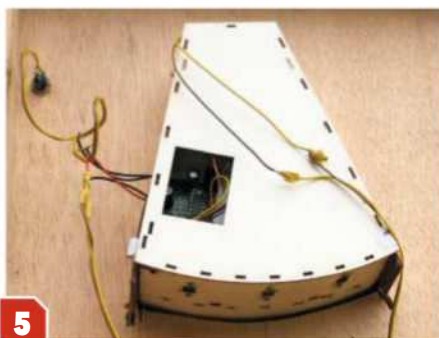
3

Ensure that there are no cross-members beneath the proposed location. Draw around the template carefully with a pencil. Also, mark the four mounting screw positions.



4

Drill a number of holes through the baseboard top with a bit large enough for an electric jigsaw blade to pass through, then cut away the waste wood carefully. Tidy the edges with a wood file and abrasives.



5

Drop the turntable into the holes and use the card packing pieces supplied to fine-tune the height of the rails. Connect the power and mount the operating switch in the desired position.



6

Align the middle track with the turntable's central location, followed by the other lines, after powering the 'table to rest in the other two positions. Check that the rail heights match, shimming where necessary.

Taking things up a Noch

Although it's not something normally associated with UK railways, Noch's sector plate offers an easy-to-fit and simple-to-operate solution.

TOP TIP

Don't forget to ballast and weather the track on the sector plate for as far as is visible from the front of the layout.

What you will need

TOOLS NEEDED

- ♦ Hammer
- ♦ Chisel
- ♦ Pliers
- ♦ Drill and bits
- ♦ Electric jigsaw
- ♦ Craft knife
- ♦ Files and abrasives



HOW TO

BUILD YOUR FIRST 'OO9' KIT

WEEKEND PROJECT

Inspired by Eddie & Rachael Fields' 'Devil's' Bridge, **Chris Gadsby** built a Vale of Rheidol coach, an ideal subject if you're just getting started in 'OO9'.

Prior to this project, I'd only ever made one kit - a 1923 open coal wagon I made and reviewed for my job application to *Model Rail* last autumn.

As things stand, I'm still hampered by a lack of storage space for both materials and models, and I don't have the funds to buy an airbrush or any other new equipment. Nevertheless, this month I have set out to prove that it's still possible to create a good-looking kit without spending a fortune.

Twelve identical bogie coaches were built for the opening of the Vale of Rheidol line in 1902, and while some underwent modifications to open coaches during their lifetime, it's still possible to model any VoR coach that takes your fancy from this Dundas kit.

STEP BY STEP

009 GAUGE

MODEL Vale of Rheidol Bogie Coaches Nos. 1-12 ♦ Price: £16.70

AVAILABILITY Dundas Models stockists



2 days incl. drying time



1

Remove the parts carefully with a sharp craft knife, ensuring that you make the cut as close as possible to where they meet the plastic support. File the edges smooth with a small needle file to avoid gaps in the final model.



2

Some of the pieces will have raised sections from the moulding injection. The plastic is quite soft so it's only a few minutes' work to smooth these down with a needle file. They will be disguised on the finished model.



3

I prefer to paint the panels before I glue them together as it makes them easier to hold and easier to paint the insides. They needed two coats each with at least four hours between coats; 12 hours is ideal.



4

Two long strips of acetate are provided with the model for the windows. Trim them down to the correct length and place along the inside of the window frames. Any overhanging acetate can be disguised with interior paint.



5

Glue each end to a side, supporting both pieces during the initial bonding. Glue both halves together to create the coach 'box', and leave it under pressure while the glue sets (I used a heavy book and a wall to do this).



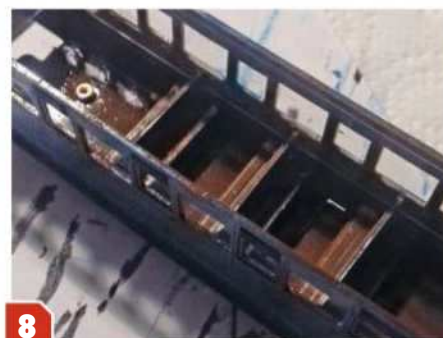
6

The bogies come pre-formed but will need painting black. The axles clip into the bogies easily. Ensure that the small recess where they are located is free from paint or they will jam on the model.



7

You can push the bogie along a table to check that the wheels rotate freely. Screw the bogies to the underside of the floor. Don't worry about the nut being visible in the coach as it will be covered by the seats.



8

Glue the floor to the underside of the ridge that runs under the windows in the coach and then glue the seats to the upper side of the ridge. The seats are located in between the doors all the way along the coach.



9

Fix the roof in place. It should sit on the top of the four sides of the coach with a very slight overhang at each end, although this should be extremely minimal. Once that has been glued, touch up any areas that need it.



10

The kit comes with a choice of fixings; either oil lamps or gas lamps. Remove and file your choice, glue the two halves together and then glue them to the roof - one above the endmost door on each side and one in the middle.



11

The smaller vacuum pipe should be fixed 9mm from the right-hand side and the steam pipe should be glued 6mm from the left-hand side. Support them while they bond as the surface area on which they're affixed is small.



12

I used HMRS Pressfix transfers for the coach decals. Cut them out and press firmly in place. Use wet kitchen roll to dampen the tissue and tweezers to pull it away, leaving the decal in place. Dry the area after applying each transfer.

What you will need

SHOPPING LIST

- ◆ Humbrol enamel paints (black, white, red and brown)
- ◆ Humbrol enamel paint thinners
- ◆ Humbrol poly cement
Availability: Humbrol Tel: 01843 233512 Web: www.humbrol.com
- ◆ Phoenix Precision Paints P132 BR Rail blue (1966-1985) Availability: Phoenix Precision Paints Tel: 01268 730549 Web: www.phoenix-paints.co.uk
- ◆ Historical Model Railway Society Pressfix transfers Availability: Historical Model Railway Society Tel: 01773 745959 Web: www.hmrs.org.uk

TOOLS NEEDED

- ◆ Paintbrushes and paints
- ◆ Craft knife
- ◆ Tweezers
- ◆ Flathead screwdriver
- ◆ Small files



TOP TIP

When screwing the bogies to the underside of the coach, do not tighten the screw all the way - a little bit of vertical play will allow the coach to cope better with undulations



Mix and match

The VoR stock went through a number of livery changes throughout its working life, but the interior did not always match the exterior. For example, the chocolate and cream interior remained when the exterior went to BR blue.

LAYOUT **DEVIL'S BRIDGE**

VITAL STATS

Layout:

'Devil's Bridge'

Size: 2ft by 7ft

Gauge: 'OO9'



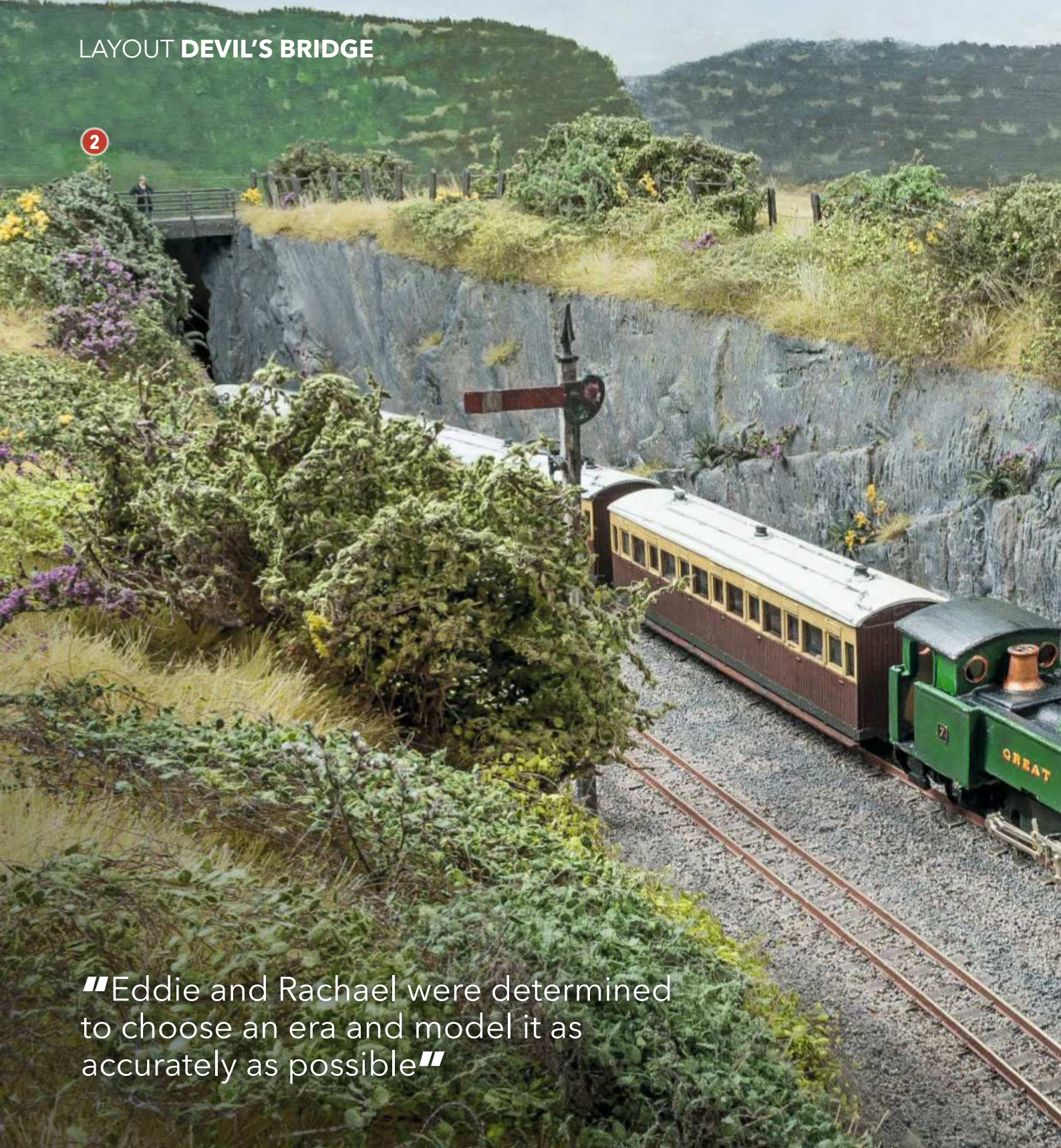
The Devil's **in the detail**

A family holiday led **Eddie** and **Rachael Field** to discover an untapped seam of modelling inspiration – the Vale of Rheidol Railway at Devil's Bridge.

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



2



“Eddie and Rachael were determined to choose an era and model it as accurately as possible”

The Vale of Rheidol railway has a significant place in British railway history, but layouts based on this unique Welsh narrow gauge line are comparatively few and far between. Eddie and Rachael Fields’ is one, and happens to be one of the best. It was the lack of VoR layouts that led to its construction.

“We went to the area a few years ago and travelled on the line while we were there,” explains Rachael. “On arrival at Devil’s Bridge we were both captivated by the look of it, and it was at that point that Eddie remarked how surprised he was that nobody had yet modelled it.”

Eddie had only begun in the hobby shortly before the visit, and had only previously built one layout; ‘Devil’s Bridge’ would be his second.

To get Devil’s Bridge station into a suitable space, Eddie and Rachael chose ‘OO9’ but still had to use a little selective compression to get into a manageable 7ft by 2ft space. ‘OO9’ layouts have traditionally used Peco’s ‘Crazy Track’ range but the industrial style of sleepers was not suitable for a railway operated by British Rail. Luckily, Peco has recognised this and has produced the ‘Mainline’ range of ‘OO9’ track for railways such as this.

The VoR has as many eras worth modelling as it



3 things we like



1

It's clear to see why Rachael gets so many plaudits for her rhododendrons.



2

The rock face is accurately modelled from Eddie's photographs of the real thing.



3

Just in case one sand bucket wasn't enough, Devil's Bridge has six!

has classic and picturesque locations. Eddie and Rachael were determined to choose an era and model it as accurately as possible. They eventually settled on the Great Western era of the late 1920s/early 1930s.

"I bought *The Vale of Rheidol Light Railway* by C.C. Green, and Rachael refers to it as my 'bible'. It's full of useful information about the period and, crucially, numerous pictures.

NO HALF MEASURES

"I would really like to thank the people at the Vale of Rheidol Railway as they were extremely helpful throughout the entire build process. We went there ►

Devil's Bridge is one terminal of the Vale of Rheidol line after the line climbs for almost 12 miles from Aberystwyth, emerging from between the sheer rock faces at the last moment.

What makes this layout great?



You've got to admire the commitment to accuracy, and it's all down to Eddie and Rachael's extensive use of the tape measure. Also, just look at that cliff face. It's a strikingly realistic representation of the location.

3 Even today, Devil's Bridge station is quite bare, with a minimal amount of track. The layout is DCC and is controlled using an NCE PowerCab system.





a few times in the three years the layout took to build and they allowed us to take measurements and ensure everything was correct. I was even allowed to measure the height underneath the bridge as the track falls away to head towards Aberystwyth. They also dug through their archives to provide us with pictures taken in the late 1920s to further assist us. We were delighted in 2016 when they invited us to the Warley Exhibition with them and their locomotives."

Work began on the layout in 2014, and for Rachael the building of 'Devil's Bridge' was a steep learning curve as it was the first piece of railway modelling she had ever done.

"The very first piece of modelling I did was the rhododendrons at the station, and whenever we take 'Devil's Bridge' to exhibitions they seem to be the things that draw people's attention the most, which for me is quite a nice feeling! Even for Eddie, who had made a layout before this, we sometimes can't believe how many people are so impressed by the model, particularly his hard work with the cliff face and the painted backscene."

The deep rock cutting and the backscene were the two largest sections of 'Devil's Bridge' – and the two items that took Eddie the longest to complete. "The cliff face was modelled by hand and it took me around two and a half weeks," he recalls. "It was a relatively simple process though, as I sculpted the rocks with DAS modelling clay mixed with PVA glue to stop it cracking. I could ►



6 The locomotives on 'Devils Bridge' are Chivers whitemetal kits using the newer Farish O8 chassis with RT models running gear, built by Ben Powell. Zimo chips were then squeezed into the model by John Gymer from YouChoos.

work from the photographs that I took myself and had been supplied with to make sure that I had all the undulations and cracks in the real rocks accurately modelled on the layout.

"I deliberated for a while about whether to use a photographic backscene or to paint one myself. In the end it was decided for me. I couldn't get photographs of the 1920s that would look right when scaled and there are now houses built on the hills behind the halt. As a result, any photographic

backscene would completely ruin the era, so out came the paintbrushes. I painted straight onto the hardboard with enamel paint tester pots – they are so useful for modellers."

BALLAST KICK

Rachael, on the other hand, took pleasure in a part of layout construction that others dread.

"I did enjoy making the flowers, but I especially enjoyed the ballasting," she admits, "which I know is



something the majority of modellers find tedious.”

Devil's Bridge station had rather minimal facilities, which it still does today. Eddie built the station building and goods shed from plastic card, covered in plastic corrugated sheet, cut to scale 6ft by 4ft panels. The weighbridge hut required a different technique:

“It was also based on a carcass of plastic card,” Eddie recalls, “but I then scribed individual bricks onto it. I went back to Devil's Bridge after I'd made ➤

“I did enjoy making the flowers, but I especially enjoyed the ballasting”



THINGS YOU MAY HAVE MISSED



these buildings and discovered that if I was to scale them up to full size they would be accurate to within an inch! I couldn't help but feel very pleased with myself."

The layout features three of the VoR's distinctive 2-6-2Ts. There are Nos. 7 and 8, built by the GWR in 1923, and No. 1212. This was originally VoR No. 1 *Edward VII*, which was scrapped at Swindon Works in the 1930s. All three are painted in unlined GWR mid-chrome green.

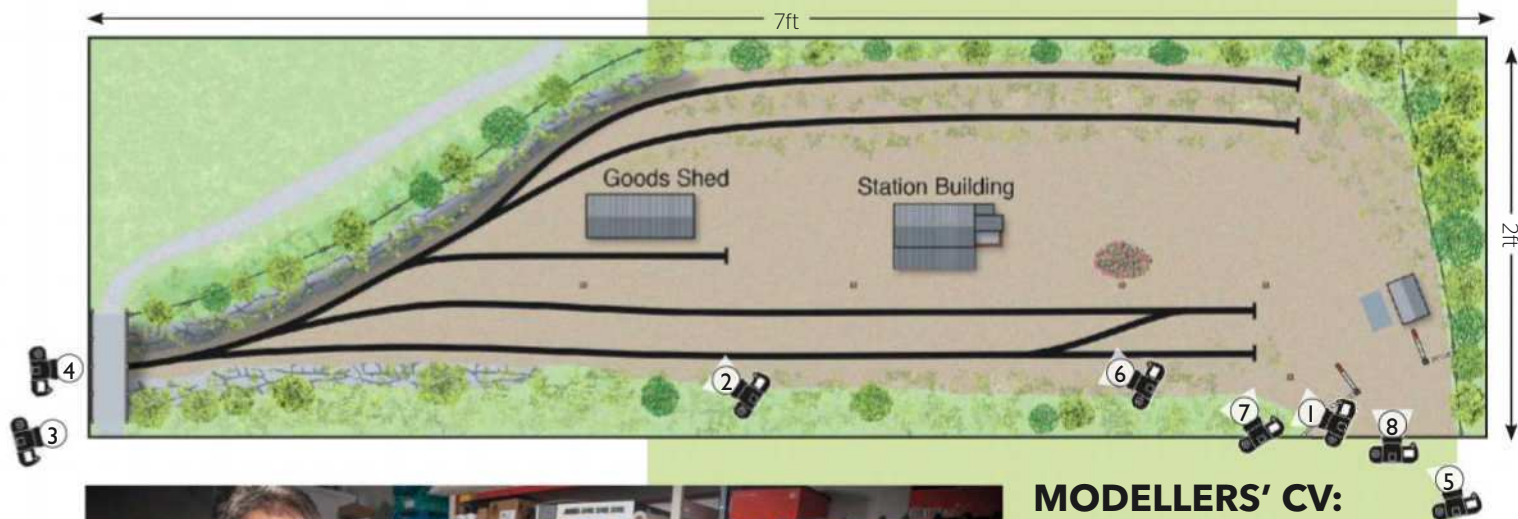
'Devil's Bridge' is currently off the exhibition circuit as Eddie and Rachael are in the process of moving house, but they are hoping to be at Warley in 2019.

"Warley has some good memories for us, particularly the year when the Mayor of Birmingham came to view the layouts. We exhibit 'Devil's Bridge' on a platform that raises the layout to four-and-a-half feet off the ground, so people can view it from a realistic angle. We also provide a stool, so children climb up and see it. The Mayor found it quite useful as well, as she was too short to see over the top!" **MR**



The line was initially designed for transporting timber and lead ore from the mines, but tourism became the principle traffic.





MODELLERS' CV: EDDIE AND RACHAEL FIELD

"We don't watch much TV. Both of us collect Lego, and Eddie prefers Star Wars Lego, while I like the Harry Potter kits. We both enjoy cooking and I am also fond of reading and gardening. Taking our dog for a walk is one of my favourite pastimes, and Eddie enjoys making military models."



Eddie's 54mm model of a 95th rifleman and a soldier from the 52nd Infantry.



SALES LINE
01432 352809

Email - 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

009/HOE IN STOCK

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

NEW RELEASES

32-304A GWR 2251.....	£97.70
31-663 BR Class 47 Rft.....	£135.95
31-660A BR Class 47 L/L.....	£135.95
R3452 BR Grange.....	£119.25
14091 Class 14 Green.....	£109.95
14101 Class 14 Desert Sand.....	£109.95
14111 Class 14 NCB.....	£109.95

HORNBY

R2744	Schools Blundells BR.....	£84.95
R2784X	Mallard.....	£85.00
R2917	2800 Class BR.....	£103.99
R3003	B17/6 Barnsley.....	£116.45
R3003X	B17/6 Barnsley DCC.....	£121.95
R3004	Serlby Hall.....	£116.45
R3004X	Serlby Hall.....	£133.45
R3229	British Monarch.....	£119.25
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
R3316	Fowler 2P SDJR.....	£87.45
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
R3335	LSWR Adams.....	£107.95
R3356	Br Crosti 9F Weathered.....	£104.45
R3371	Mallard Railroad version.....	£74.00
R3385TTS	BR Black 5.....	£169.45
R3405	LNER J50.....	£78.50
R3407	BR J50.....	£78.50
R3411	SR S15.....	£125.95
R3413	S15 BR Late.....	£119.45
R3419	SR 700 Class.....	£99.45
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

Mail Order Service

All prices valid to 30.04.18
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.

R3432	B12 BR Late.....	£127.95
R3414	LNER J15.....	£99.45
R3445	BR W.C. Camelford.....	£147.45
R3453	BR Black 5.....	£134.00
R3454	Drysilwyn Castle.....	£134.95
R3455	GWR Star Class.....	£119.45
R3456	N15 BR.....	£137.45
R3457	SR T9.....	£116.45
R3463	52xx BR.....	£106.45
R3465	LNER N2.....	£82.95
R3467	SECR Terrier.....	£64.45
R3468	BoB 603 Sqdn.....	£144.45
R3499	BR Hall Class.....	£72.45
R3517	The Final Day LMS Scot.....	£149.00
R3522	BR A4 Miles Beevor.....	£134.45
R3525	BoB Archibald Sinclair.....	£131.99
R3533	J94 Lord Phil.....	£67.45
R3553	LMS Duchess.....	£159.45
R3559	SR Q1.....	£89.45
R3558	BR Late Royal Scot.....	£134.00
R3560	Q1 BR Late.....	£89.45
R3566	BR Merchant Navy.....	£154.95
R3564	BR 8F with Fowler tender.....	£134.00
R3565	LMS 8F.....	£134.00
R3586	BR Schools Class.....	£75.99

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
R3059	Tornado Train Pack.....	£128.45
R3093	Tornado Train Pack.....	£116.99
R3299	1945 Going Home.....	£259.45
R3302	Return from Dunkirk.....	£229.75
R3397	LMS Suburban Train pack.....	£220.25
R3399	EWS Freight train pack.....	£184.99
R3402	Queen of Scots pack.....	£263.99
R3670	72xx Freight pack.....	£138.95
R3671	K1 F freight 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
R3394TTS	BR Class 20 Sound.....	£84.45
R3473	Class 56.....	£135.99
R3479	Class 60 DRAX.....	£134.45

R3483	Sentinel Crossley.....	£51.45
R3484	Class 08 BR Green.....	£109.45
R3485	Class 08 Laira Blue.....	£109.45
R3573	Class 66 GBFR.....	£79.45
R3585	Class 90 Intercity.....	£75.00
R3591	Railroad Class 73.....	£56.75

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
R660	Elevated Track Side Walls.....	£18.95
R909	Track Supports.....	£8.65

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
R8004	Engine Shed.....	£18.35
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
31-170	BR Black Lyr Tank.....	£93.45
31-435	Class 1F BR Early.....	£81.55
31-480	Class G2A LMS.....	£101.95
31-434	Class 1F BR Early.....	£81.55
31-088	BR Black Earl.....	£118.95
31-089	GWR Earl.....	£118.95
31-128	BR ROD Weathered.....	£102.45
32-154A	N Class BR Black weathered.....	£99.10
31-136DC	D11/2 BR.....	£115.90
31-318A	LNER J11.....	£127.45
31-465	C Classs BR.....	£93.46
31-461A	C Class SR Black.....	£106.20
31-462A	C Class BR Early.....	£106.20
31-481	Class G2A BR Early.....	£114.70
32-176	BR Crab.....	£123.20
32-178A	LMS Crab.....	£123.20
32-227B	LMS 3F Jinty.....	£72.20
32-235	BR 3F Jinty.....	£80.70
31-614	V3 BR Late.....	£110.45
31-615	V3 BR Early.....	£110.45
31-626A	Class 3F BR.....	£71.25
31-628DC	3F BR Black Weathered.....	£93.20
31-690	LMS Stanier Mogul.....	£135.95
31-691	BR Early Stanier Mogul.....	£135.95
31-782	Thirlestaine Hall BR.....	£114.70
31-783	Fountains Hall BR.....	£114.75
31-980	Standard 3MT Green.....	£110.45
32-233	3F Jinty SDJR.....	£62.00
32-085	Class 56XX BR Early.....	£76.45
32-880	Fairburn LMS.....	£106.20
32-882	Fairburn BR Late.....	£106.20
32-550B	Tornado BR Green.....	£127.95
31-933	BR Compound Late Crest.....	£112.88
31-127	CL3000 BR ROD.....	£118.45
31-932DC	BR Compound.....	£127.75

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
31-364	Class 03 BR Green weathered.....	£76.45
31-366	Class 03 BR Green.....	£70.50
31-679	Class 85 Electric Blue.....	£118.45
32-067	A Class 43 BR Blue.....	£127.45
32-533	Class 55 Green weathered.....	£131.70
32-981	Class 66 Freightliner.....	£127.45
32-982	Class 66 DRS.....	£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

DAPOL/OXFORD/HELJAN/DJM

4D-011-001	GWR Railcar 12.....	£123.25
4D-011-002	BR Railcar W10.....	£123.25
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
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



WIN! AN EXCLUSIVE

BR blue '66' model

No, your eyes are not deceiving you – this is a Class 66 in BR 'Large Logo' blue.

Freight operator GBRf likes to celebrate our railway's past in the form of new names and liveries for its Class 66 fleet. 66715's *Valour* nameplate invokes the spirit of the Great Central Railway's 4-6-0 No. 1165, while 66725/726/729/736 and 738's football nameplates are in the style of the LNER's 'B17's'. It symbolically painted 66779, the final '66' built for use in the UK, in BR lined green, and named it *Evening Star* in homage to final '9F' No. 92220.

66779, however, is no longer the last Class 66 in the GBRf fleet. The company bought ten '66s' from DB towards the end of 2017. The

locomotives, formerly 66008/016/046/058/081/132/141/184/238 and 250 have been overhauled at Eastleigh Works and re-numbered in the 66780-789 range.

66789 is now the highest numbered '66' in the GBRf fleet, so what better subject to carry a commemorative livery to mark 70 years since Britain's railways were nationalised, and 21 years since BR ran its last train?

'Large Logo' blue is one of BR's most popular liveries, particularly as it was applied to Class 37/4s roaring through Scottish Highlands and Class 50s speeding their way along the old LSWR main line to Exeter. GBRf's Engineering Director Bob Tiller has cleverly reworked the scheme to suit the '66s' angular lines and corrugated sides. 



Immaculate 66789 British Rail 1948-1997 stands in the holding sidings at Eastleigh, having run there with newly overhauled classmate 66788 on March 5 2018. This was EWS' last '66', 66250. MARK PIKE



THE PRIZE

as painted by Dave Lowery

GBRf commissioned Dave Lowery to produce a series of commemorative models of 66789 in its new guise – and he has produced an extra one for one lucky *Model Rail* reader to win!

Dave has used a Bachmann Branchline model of a Class 66/0, finishing it with RailMatch paints, and has commissioned John Peck at Precision Labels to produce the logos, numbers and GBRf lettering.



Don't have the internet? Don't worry: send your answer, plus contact details, to 66789 Competition, *Model Rail*, Media House, Peterborough Business Park, Lynchwood, Peterborough PE2 6EA. For full terms and conditions, go to www.bauerlegal.co.uk/competition-terms.html Closing date is May 12 2018.

To be in with a chance of winning a 'OO' gauge version of 66789 British Rail 1948-1997, go to www.model-rail.co.uk/class-66-comp and answer the following question:

Q: GBRf Class 66 66752 was named *The Hoosier State*. But which US state is the 'Hoosier State'?

A. Georgia **B.** New Jersey **C.** Indiana

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 can draw on over 30 years' worth of modelling experience.



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...



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

SPACE-SAVING CONTROL PANEL

With limited space to work with, IAN CAIRNS devised a way of incorporating a full control panel into the layout itself, having the trains running through it.

Although I have lived in California for the past 35 years, I was born and raised in the Newcastle upon Tyne area and my railway roots are still based there.

I developed the idea for this novel, space-saving control panel while building my freelance 'N' gauge layout, 'Ferryhill'. This is a North-Eastern Region layout set in the steam/diesel transition era.

'Ferryhill' is built on baseboards measuring 8ft by 2ft 3in, featuring a double-track continuous run. Being analogue/DC controlled, quite a bit of wiring is involved.

Many fixed control panels are built separate from the layout, either sticking out awkwardly or positioned at an angle to the layout.

With 'Ferryhill' I didn't want to give up any track space for the control panel, nor did I want the panel to project out from the baseboard edge. With the layout housed in a bedroom, any projection would have encroached into the walkway around the room, leaving it at risk of damage. The control panel is, after all, the 'heart' of the whole layout, so it needed to be accessible yet safe.

After much thought, I decided to site the panel in one corner of the layout, running the track through it. The panel, in effect, forms a tunnel.

A timber frame houses the panel, with its controller, switches, probe-

and-stud contacts and associated wiring. Adequate clearance had to be factored in to allow the trains to pass through unimpeded.

The top of the panel was fabricated from 2.4mm-thick clear plastic cut to size to fit inside the panel box, with the face lying flush with the timber frame. The fiddliest part of the whole project then followed: setting out the track plan onto the panel.

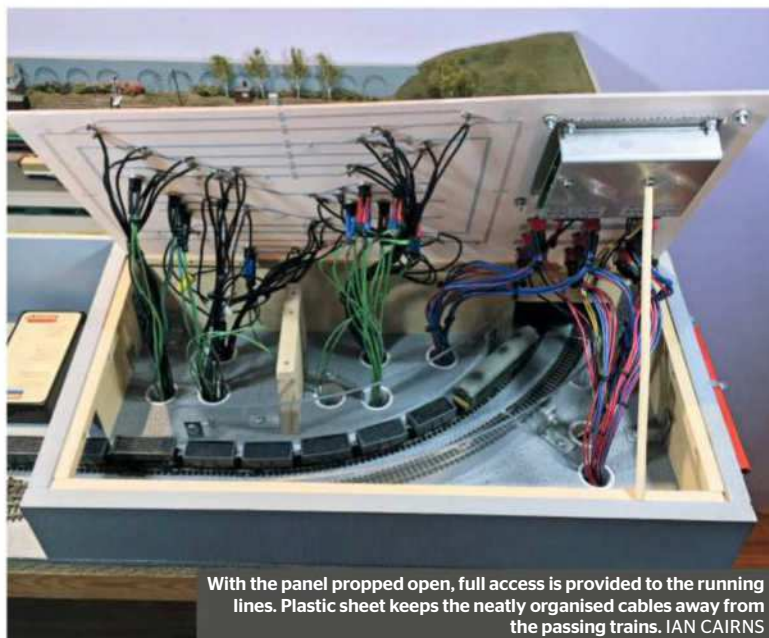
'Prostripe' coloured vinyl tape was employed, which is available from auto parts stores here in the United States for creating stripes on cars. It came in rolls 1/8-inch (3mm) wide and in multiple colours. Similar products are available in the UK.

I used red for the outer track circuit, blue for the inner circuit and black for section breaks. Care was needed when drilling holes into the plastic, to avoid splitting the material. An effective method was to clamp the plastic firmly onto a sheet of plywood before drilling through both materials at the same time.

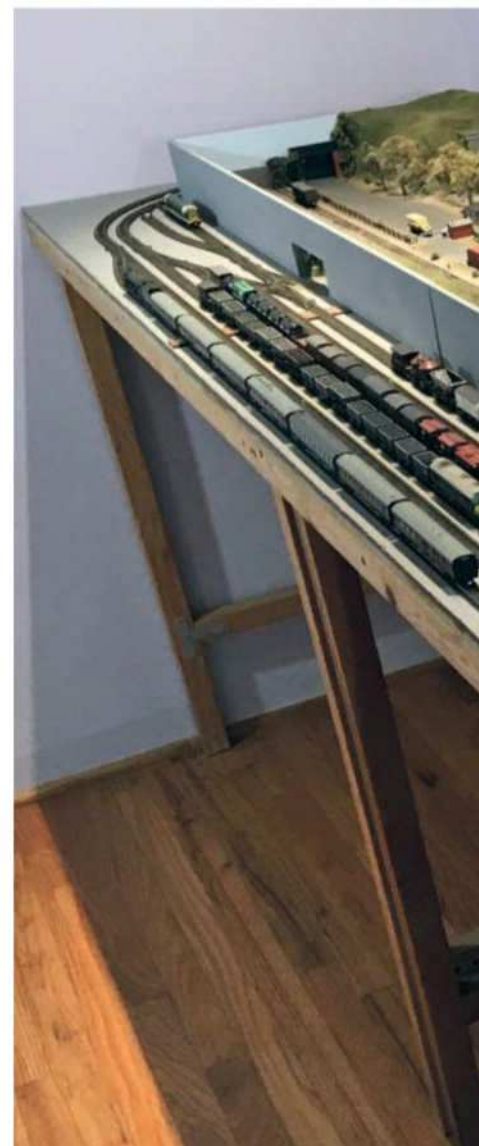
The panel top is not attached to the timber frame, but can be lifted for maintenance, or in the event of a derailment inside the enclosure. It's simply propped open with a length of wooden dowel.

Because there's a lot of wiring inside, a method had to be devised to ensure that the cables didn't interfere with the trains running beneath.

Therefore, strips of the same clear



With the panel propped open, full access is provided to the running lines. Plastic sheet keeps the neatly organised cables away from the passing trains. IAN CAIRNS



plastic sheet used for the panel were fixed vertically, either side of the running tracks, secured by metal angle brackets. Thus, when the panel top is in position, the wires rest on top of the plastic strips, staying well clear of the trains.

Colour-coded cables pass through multiple 3/16in holes drilled through the baseboard, each fitted with plastic ferrules to prevent wear on the cables' insulation. It's a good idea to include more holes than initially needed, for potential future use.

The snug fit of the panel within the frame negates the need for fasteners. Access to the interior is simply by means of lifting the front of the panel top. Accordingly, there needs to be enough slack in the cables (say 6-9in) on the underside of the baseboard to allow the panel to open up freely.

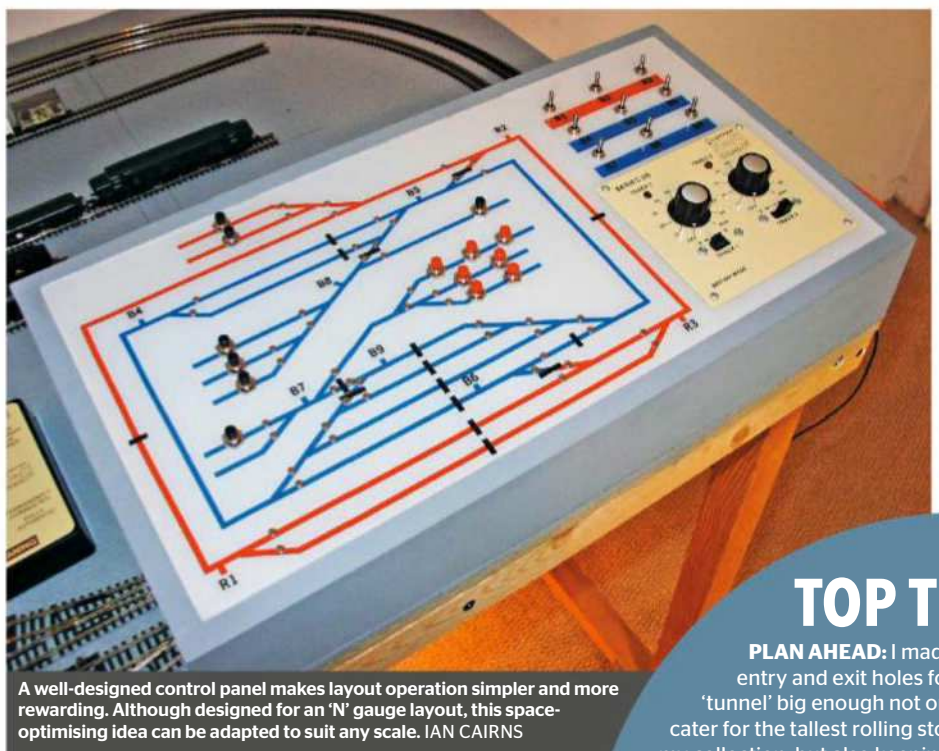
The control panel was very satisfying to build, using readily available materials. After several years of service it has proved to be reliable, and has fulfilled its original objective of allowing maximum flexibility in the layout's design, thus optimising the available space.



PANEL BUILDING



The panel enclosure is 18in long by 9.5in deep and stands 3.5in high at the rear, reducing to 2.5in at the front. This gives a nice sloping top onto which the controllers, switches and push buttons could be mounted. The panel was built from ½in thick timber, with the track entrance and exits cut before assembly. Quarter-inch square strip wood was pinned around the interior of the frame, set just below the upper edges, to support the plastic top and allow it to sit flush within the enclosure.



A well-designed control panel makes layout operation simpler and more rewarding. Although designed for an 'N' gauge layout, this space-optimising idea can be adapted to suit any scale. IAN CAIRNS

TOP TIP

PLAN AHEAD: I made the entry and exit holes for the 'tunnel' big enough not only to cater for the tallest rolling stock in my collection, but also keeping any possible future acquisitions in mind.

Technique of the month

Renumbering EWS locomotives

Q I have a few EWS diesel locomotives to renumber, but have been struggling to remove the digits without damaging the gold band. How do I do it?
Cliff Blackstone, by e-mail

The job can be done with a little T-Cut and lots of patience. Original formula T-Cut is available from auto stores and it must be shaken thoroughly before use. The process may take up to 30 minutes per set of numbers but, by avoiding excessive pressure and working through plenty of swabs, a neat finish can be achieved. (GD)



Dip a clean cotton bud into the T-Cut and rub over the numbers very gently, in a circular motion. When the tip fills with paint, switch to a clean swab and a little fresh T-Cut and repeat the process.



Keep rubbing gently as the painted characters continue to diminish, switching to fresh swabs and T-Cut regularly. The same process applies to factory-printed nameplates too.



With clean, dry swabs, polish the surface to remove traces of the T-Cut and leave an even shine to the surface, ready for the new decals.



Textured soil and grit-effect paints offer a subtle and easy-to-use alternative to scatter materials.

EASY TEXTURED DIRT TRACKS

Q Can you give me any tips for creating realistic muddy tracks for a farmyard? I've tried scatter material but it never looks right and usually involves lots of mess.
James Barnes, Cardiff

George says: Textured acrylic paints offer a quick and easy solution to creating realistic ground cover, especially for farm tracks and yards. Tamiya and Wilder offer a range of suitable brown shades, which can be combined for authentic tonal variation.

These paints require a thorough stir before use and application is best with a flat brush. Build up a number of layers until the desired amount of 'grit' is achieved, allowing each layer to dry in turn, which should take about an hour, depending on the thickness.

By adding several layers, or sculpting the medium into piles, we can avoid an overly flat appearance and replicate the look of a heavily rutted track.

Another tip is to run a suitable model car, tractor or truck over the wet paint to create tyre tracks. The model can then be cleaned with water if necessary.

We can also create our own textured paints



Employing a range of shades creates an authentic appearance.

by mixing dry weathering powders with acrylic paints, choosing suitable shades of each to produce the desired colours. If the mixture becomes too thick to brush effectively, simply dilute it with acrylic thinners or water.

Puddles or a wet look can be achieved by adding patches of clear gloss varnish to strategic areas.

Web: www.scalemodelshop.co.uk
www.airbrushes.com

WHAT'S THE BEST FILLER FOR METAL?

Q What's the best filler for use on metal locomotive kits?
James Martin, Essex

George says: My first choice for unpainted metal surfaces is Milliput two-part epoxy putty, white Superfine formula. This highly versatile material adheres well to most metals, including brass, nickel silver and whitmetal, provided that the surface is clean and degreased. It cures rock-hard overnight and can be built up into thick layers. It can also be drilled, cut, sawn and filed, and is easy to sculpt, helping to replicate missing or damaged kit parts.



PROTOTYPE QUESTION OF THE MONTH

GET YOUR HAZCHEM CODES RIGHT

Q I'm detailing and repainting a rake of TTA wagons to carry crude oil to an oil refinery. I'll need to add some hazard warning panels, but which codes are appropriate for this kind of traffic in the 1980s era? Roy Parkinson, Horwich.

George says: Introduced in the 1970s, Hazchem warning panels are compulsory for road and rail vehicles that convey hazardous materials. Made up of four sections, each panel reveals essential information for operatives and emergency staff.

On the right is a pictorial symbol related to the potential hazard, such as 'corrosive', 'radioactive' or 'flammable'. The panels on

the left provide an alpha-numerical Emergency Action Code (EAC) relating to the recommended means of extinguishing a fire, and a four-digit Substance Identification Number (SIN) denoting the exact contents. Below all of this information is usually a telephone number from which specialist advice can be obtained, and sometimes a company logo.

For your rake of modified TTAs, you'll need Hazchem panels with 'flammable liquid' logos, and a '3WE' EAC and SIN of '1267' to denote a cargo of crude oil. Other common SIN codes include 1202 (diesel/gas oil) 1223 (kerosene) and 1203 or 1270 for petroleum. Fox Transfers offer a range of suitable decals in various scales.

Web: www.fox-transfers.co.uk



The data on the Hazchem label indicates the type of material being conveyed. The 3YE and 1270 legends on this TTA show that it's carrying petroleum.

Form perfect wire handrails...



Renowned for its plastic aircraft and military model kits, Trumpeter also offers a selection of innovative modelling aids. This pack of six wire forming tools takes much of the hassle out of forming fine handrails in 3, 4 or 5mm lengths.

Each tool consists of a pivoting pair of plastic jaws, featuring rows of recessed guides to grip 0.3mm or 0.4mm soft brass or copper wire.

When the tool's jaws are compressed, the wire is forced into the recess, creating consistent profiles with a universally neat appearance. The tapered recess allows for handrails of varying depths to be achieved. Although the sizes are limited, they're a real boon for detailing and scratchbuilding work, making a fiddly, tedious job much easier.

Price: £6.75 per set

Web: www.scalemodelshop.co.uk



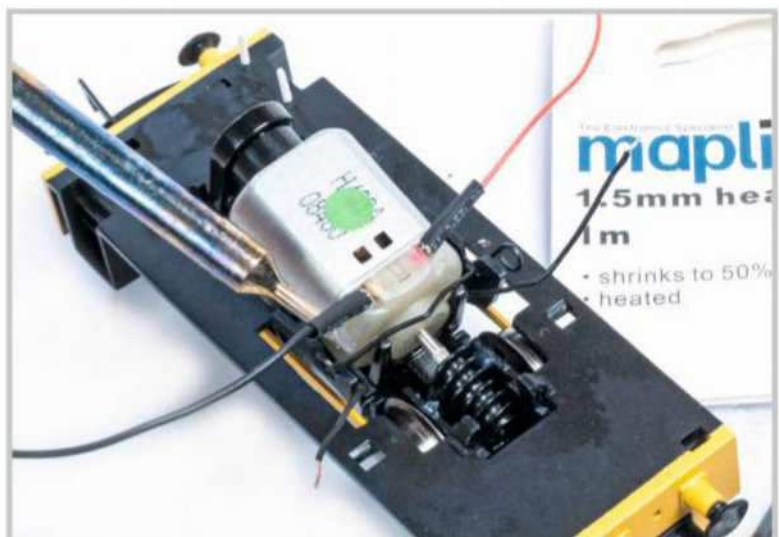
QUICK FIX – USING HEAT-SHRINK TUBE INSULATION

Q I'm replacing the power connections on a number of old models. I usually insulate the exposed wires and contacts with tape, but I assume that heat-shrink tubing would be neater. What's the best way of shrinking it? Ben Randalls, Huddersfield

George says: Heat-shrink tubing is far neater than insulating tape. However, its permanence means that the insulation must be cut away with great care if subsequent access to the connections is needed.

Make the soldered joints, then clear up any flux residues and test the model thoroughly. When you're certain that everything is working correctly, push the tubing over the joint. Gently rub the outer edge of the hot iron tip (not the face of the tip) against the tube, moving it along its length until the plastic shrinks around the cable. It should only take a few seconds and dawdling with the iron for too long may melt the insulation. Ideally, practise on scrap lengths of cable first to get the hang of the technique.

Remember to choose the correct size of tube to give a snug fit over the contacts – most sleeves shrink to about half their original size.



Above: Heat-shrink insulation offers many benefits. Remember to thread the tube over the cables before making the soldered bonds, but only shrink it into position after testing.

BUILD A LASER-CUT HORSE-DRAWN VAN



I'm looking for some easy-to-build horse and cart kits for my Edwardian-era layout, especially covered delivery carts. What's available in 'OO'?

Jim Henry, by e-mail

Peter says: There are numerous ready-to-plant horse-drawn vehicles in 'HO/OO', from the likes of Noch, covering a range of vehicle types, from hearses to flat carts. Langley Models (www.langleymodels.co.uk) offer some lovely whitmetal kits of all manner of horse-drawn vehicles that simply require gluing together and painting. Suitable horses are also supplied to match the vehicles. For example, you can get immaculately groomed light horses for a funeral hearse or a pair of Shires for a heavy brewer's dray cart.

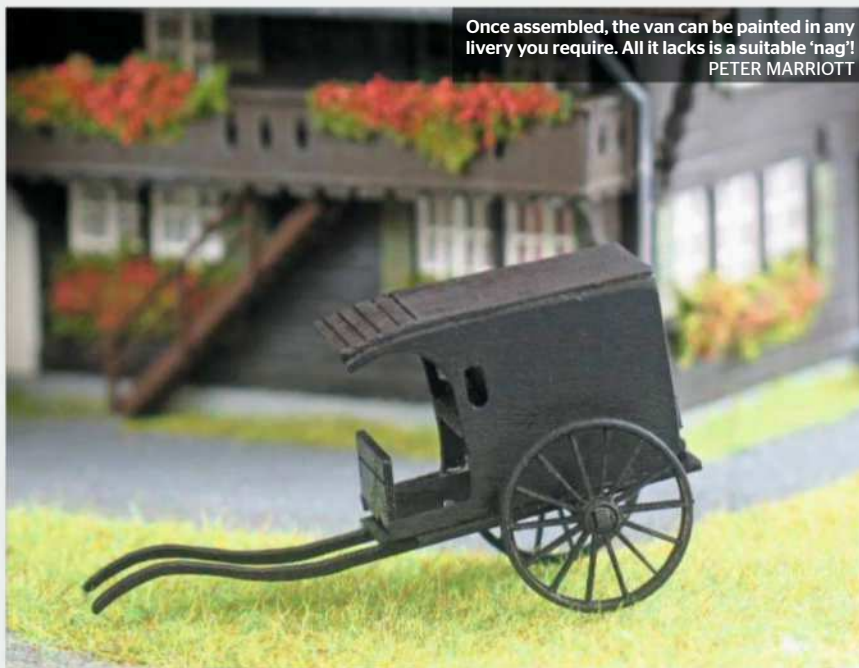
An easier building option lies in a new range of laser-cut horse-drawn vehicles from Arch Laser, retailed via Osborn's Models of Bideford. Along with a traditional gypsy caravan, there's also a small one-horse van that can be painted to represent all sorts of delivery vehicles, from a mail carrier to a fresh bread and provisions merchant.

Rendered in micro plywood - which is a strong material - the parts need cutting from the fret with a fresh blade and tidying up a little with abrasives before gluing together. Illustrated instructions are supplied and the kit goes together very well, providing an enjoyable project.

The instructions recommend using a fast-setting glue and I agree, as a regular formula of PVA-type wood glue would take far too long to dry. The delicate nature of some of the parts makes them difficult to clamp together while the glue sets, so either cyano-type 'superglues' could be employed, or Busch's special glue for laser-cut kits is another option.

The kit took about an hour to assemble and I was pleased with the completed model, which made for a nice addition to a vintage station forecourt.

No horse or driver is supplied, but suitable animals can be obtained from Langley or Dart Castings (www.dartcastings.co.uk), with harnesses cut from strips of paper or cotton thread.



Once assembled, the van can be painted in any livery you require. All it lacks is a suitable 'nag'!
PETER MARRIOTT

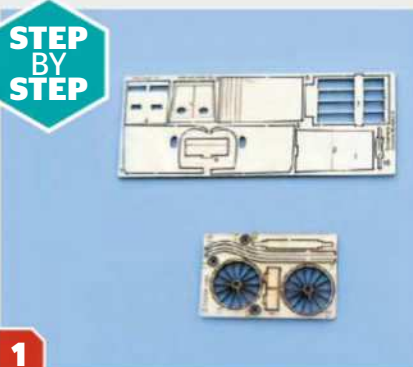
'OO'
GAUGE



60
mins



STEP
BY
STEP



1

All of the parts of the laser-cut kit are shown here, rendered in micro plywood. The parts are held in the frets by small 'tang's which need to be cut through, using a fresh, sharp scalpel blade over a cutting board.



2

The sharper the blade, the easier the cut will be and any remaining material can be sanded flush with abrasives. Sanding sticks or pads are recommended, especially for smaller, delicate parts.



3

Slot the body together and secure with a small amount of glue. Carefully score the lines on the roof several times before bending it gently with your fingers.



4

The chassis is easy to assemble, creating a surprisingly robust structure. Fix the wheel nuts to the axle ends with a dab of glue, leaving the wheels to spin freely.

What you will need

- ◆ Arch Laser ALOO-010 one-horse van
Availability: Osborn's Models
Tel: 01237 423453
Web: www.osbornsmodels.com
- ◆ Busch Laser-cut kit adhesive
Availability: Gaugemaster
Tel: 01903 884488
Web: www.gaugemaster.com



Tail lamps add an extra touch of realism to the rear of freight wagons, brake vans and carriages.

TEMPORARY BONDS FOR LAMPS



I'd love to add tail lamps to some of my wagons and brake vans, but I don't want to fix them permanently. Is there a way of fixing them neatly, but temporarily, so I can re-marshal trains and exhibit the lamps according to the BR rule book?

E. Dawson, Kendal

George says: There are a number of options for illuminated lamps. Train-Tech and Express Models offer a variety of excellent, easy-to-fit packages for traditional oil lamps and modern flashing lamps, taking power from the rails or via small button-cell batteries. The Train-Tech units also feature motion sensors to automatically switch the lights on and off.

However, these invariably demand a permanent (or at least semi-permanent) fitting, with a battery pack and circuit board being accommodated within or below the vehicle in question. There's also bound to be a need to drill holes into the body for the lamp's leads to pass through.

Alternatively, non-working lamps with coloured 'jewel' lenses can also be attractive, as they catch and reflect ambient light effectively. Springside Models offers a choice of lamp patterns - to suit different railway company and period styles - and colours, with red or white lenses for tail or head lamps respectively.

They can be bonded temporarily with

a tiny blob of Tacky Wax from Deluxe Materials. This non-staining adhesive provides a bond strong enough for everyday layout operation, but allows for easy repositioning (while the vehicle or locomotive remains on the track) without damaging the paintwork.

Any traces of the wax can be wiped away with a cotton swab dipped in hot, soapy water.

Web: www.springsidemodels.com
www.train-tech.com
www.expressmodels.co.uk
www.gaugemaster.com



Tool of the month

No need to fret about etched details with a set of metal snips.

These super-sharp shears feature a set of 2in-long stainless steel jaws and sprung handles for comfort and economy of effort. They can also be locked closed to protect the cutting edges while stored in the toolbox.



Designed for slicing through thin sheet metal (up to 0.015in/0.4mm), especially brass, nickel silver and stainless steel, they're ideal for use with etched kit parts, detailing components and nameplates. Delicate parts can be cut from the fret without the risk of distortion, leaving little, if any, tidying up to do with files.

Other materials can also be cut, such as plastic, paper, card and wood veneer, while a sharpening tool is also available to keep the shears in perfect condition.

Treated properly, a set of these cutters should last a lifetime.

Availability: DCCconcepts

Price: £9.95

Tel. 01729 821080

Web: www.dccconcepts.com



THREE CAMEO IDEAS FOR YOUR LAYOUT...



1

'Coldrennick'

Messing about with boats: Fancy rowing out into the bay and fishing for mackerel? This handsome little craft looks like just the job - let's get the tackle aboard...



2

'Croydon North'

Pay and Display: A ubiquitous feature of the modern urban environment - a parking machine and noticeboard - brings this modern station scene to life.



3

'Two Sisters Farm'

Clucking about: This innovative layout features countless cameos, but we love the free-range hens, pottering happily about the undergrowth.

Exclusive to
Model Rail

Model Rail's 'U

Model Rail's BR lined green 'USA' 0-6-0T, produced exclusively by Bachmann, is a beautiful representation of the real thing and a worthy addition to your collection.

SR roof ventilator

SR cab window

SR bunker

'USA' of the Month

MR-104A

'USA' 0-6-0T No. 30064, in BR lined green

Built at the Vulcan Ironworks in 1943 as USA Transportation Corps No. 1959, it was in service with SR in June 1947 where it became No. 64. It spent much of its life in and around Southampton docks.

At nationalisation, it became No. 30064 but remained on the south coast, apart from a brief spell at the Meldon Quarry in Okehampton to the West of Exeter, when it was needed to cover for repairs to No. 30062. Although No. 30064 remained there idle for the duration, the quarry

closed soon after and it was returned to Eastleigh. Despite being noted as dilapidated, and withdrawn in October 1962, it was repainted in green in February 1964, together with No. 30073, and it became a popular choice for railtours in the late 1960s.

It was withdrawn on the last day of Southern Region steam, on July 9 1967. It is now part of the collection at the Bluebell Railway.

ORDER AT
WWW.MODELRAIOFFERS.CO.UK

SA' 0-6-0Ts

Only £129.95

DCC-ready

£116.95 price for subscribers

**RESERVE MR-104A
NOW AND PAY ON
DELIVERY**

Later style
clack valves

Later style
tank-top grab stanchions

Six-pin
decoder socket

NEM coupler
pockets

Enlarged
step

SR bufferbeam footsteps

Front platform
(supplied separately)

**MORE TO
CHOOSE FROM**

ALL IN STOCK NOW



MR-101 No. 1968, USATC black



MR-107 No. 36, National Coal Board black



MR-110 No. DS237 Maunsell, BR Departmental green



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



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

**ALL IN STOCK
NOW AND ONLY**

Price: **£124.95** £112.46 price for subscribers

OR 01209 613984



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 305 1755 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



82



86



92



95



98



100

Reviews

In-depth and unbiased reviews of the latest products

82 Hatton's 'P'
Another month, another exclusive steam locomotive from Hatton's.

86 Hornby Class 800
Chris Leigh examines Hornby's striking new model of GWR's equally striking new train.

92 Heljan Class 20
George Dent gives Heljan's latest 'O' gauge diesel offering the once-over.

95 Bachmann Baldwin
This new 'OO9' locomotive is a head-turner, but will it impress under closer inspection?

98 Oxford Rail Mk3
Finally - Mk 3 coaches to modern standards. But have they been worth the wait?

100 Kernow 'Turbot'
Kernow surprised many with this announcement - and now it's in stock.

102 Hatton's ICI hopper
Hatton's has commissioned Oxford to produce these long-lived hoppers.



102

Our reviewers

Richard Foster

His forte is steam locomotives, regardless of region or era.

George Dent

A modern image expert.

Chris Leigh

Wrote his first review in 1964!

Chris Gadsby

Focuses on value for money.

Ben Jones

Model Rail's former editor.

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, as well as running 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.





Hatton's 'P' class 0-6-0T

◆ **SCALE** 'OO' ◆ **MODEL** Hatton's H4-P-006 SECR 'P' 0-6-0T No. 1558, SR black 'sunshine' lettering; H4-P-010 SECR 'P' 0-6-0T 'Pride of Sussex', Hodson flour mill green; H4-P-011 SECR 'P' 0-6-0T No. 27 'Primrose', Bluebell Railway lined black ◆ **PRICE** £99.00 each ◆ **AVAILABILITY** www.hattons.co.uk

Harry Wainwright's little 0-6-0T for the South Eastern & Chatham Railway was something of a poor man's 'Terrier'. The little 'P' was designed for push-pull work and was inspired by William Stroudley's little 'A1' but with some economies made; the 'Terrier' always had the edge in terms of performance.

Despite its somewhat lacklustre performance, the 'P' is a bit of a favourite with

enthusiasts, and there was always a dumpy, angular hole in the ranks of ready-to-run 'OO' gauge Southern Region models... until Hatton's decided to fill it.

What's remarkable about the 'P' is that out of the eight that were built, four survive. Even more remarkable perhaps, Hatton's has found 12 liveries for a class of just eight locomotives.

We received three of the 12 for review: No. 1558 in unlined black with Bulleid 'sunshine' lettering;

'Pride of Sussex', the livery that No. 31556 carried when used at Hodson's flour mill at Roberts-bridge; and No. 31027 in Bluebell Railway lined black as No. 27 'Primrose'.

FEAST FROM THE FAR EAST

Hatton's has produced the 'P' directly with a factory in China



and, as we saw with the Andrew Barclay 0-4-OST that we reviewed in the last issue (MR246), the results are excellent.

Like the Barclay,

Hatton's has produced a really good-looking little model with great attention paid to detail differences.

The overall shape is excellent.

When comparing the model to prototype photographs and drawings we couldn't tell whether it was an optical illusion that made it look just a little under-scale in places or if it actually was a little on the small side. To settle the argument we sent a sample to Kent & East Sussex Railway Service Delivery Manager Andy Hardy.

No. 31556 is based at the KESR and Andy was instrumental in the model's development. He declared it to be "spot on".

The 'P' is a very pretty model and small, just like the real locomotive. The distinctive pagoda cab is well shaped and the 'face' captures the character, although there's some debate as to whether the smokebox door is dished enough.

It's the combination of good looks and lots of fine detail that impresses the most. There's plenty of fine pipework, particularly around the Westinghouse air pump, and the handrails are better produced than those on the Barclay. The coupling rods are immediately noticeable and very slim and refined.

The cab is a miniature work of art. All the fixtures and fittings are where they should be and well painted. It's a shame that the roof ventilator doesn't open because that would allow a bit more light onto the footplate.

The glazing unit for the front spectacle glasses has been disguised by incorporating pressure gauges and their associated pipework. The thick rear glazing unit is a bit on the crude side, even when painted, and detracts from the good work elsewhere, but it's difficult to see how the rear spectacles could be glazed otherwise.

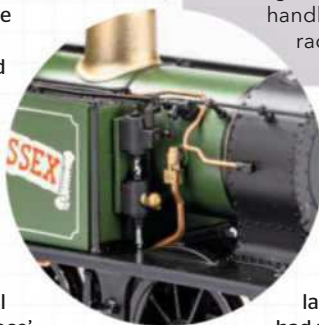
MINOR QUIBBLES

There are a couple of other niggles. The tap next to the safety valves could be better and the

Performance

The 'P' has the 'wow' factor from a visual sense but would their performance live up to the necessary requirements demanded by today's modeller? In a word, yes. They ran beautifully on our test track, being smooth and quiet. They pulled more than typical loads on the flat and even managed two coaches on our tough 1-in-30 incline.

Unlike the Barclay, there was no hesitation over insulated frog points, even at slow speed. All six wheels have brass wiper pick-ups, so at anything other than dead crawl the running is flawless. Its short wheelbase does allow the 'P' to handle tight point work and crossovers - and even first radius curves - with aplomb.



one by the cab door is heavier than it appears in photographs.

A couple of our samples had lost lamp irons and one had misaligned buffers.

We don't know if this occurred during transit or if it was a factory error, but a dab of glue should rectify both issues.

As expected, each model comes with the 'bag of bits'. Inside are two coupling hooks with cosmetic screw links, two

you simply remove the two screws between the bufferbeams at each end and the chassis drops away.

FINISHING TOUCHES

One aspect that helps to make the 'P' look so good is the livery application. All three of our samples had a rather plain background colour - black or green - that had been applied well with a good level of sheen and lustre. 'Primrose's' yellow lining and lettering isn't the most attractive, but Hatton's has done

a good job.

No. 1558's Bulleid green and yellow lettering looks spot-on and the works plate is legible under a magnifier. Strictly speaking, the number shouldn't have the same black lining as the lettering, and photographic evidence suggests

that No. 1558's number ought to be carried on the front buffer-beam too.

'Pride of Sussex' is arguably the pick of the bunch. The scrollwork and medieval-style lettering looks really effective and though the heraldic shield depicting Sussex's six martlets appears to be crudely printed, it's an accurate depiction of how the real thing looked.

This model evokes a feeling of being an announcer at the stock exchange - you want to shout "Buy! Buy! Buy!". With an RRP of just £99, Hatton's delightful 'P' isn't likely to hang around for long. (CG/RF)



steam heat pipes, three oil cans, a Southern Railway-style lamp and four route indicator discs.

The 'P' is also DCC-ready, with a six-pin decoder socket. There is space for a sound speaker, but if you are planning on fitting the 'P' with sound then be aware that the speaker uses the space where the decoder goes and you'll need to undertake a little minor surgery to mount the decoder inside the cab. Hatton's suggests that you get a professional to do this if you're not confident in your ability.

We found installing a DCC decoder in the Andrew Barclay somewhat problematic. There were no such issues with the 'P';

3 things we like



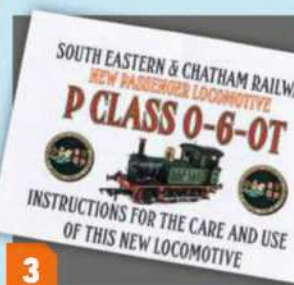
1

The detailing inside the cab - it just needs a crew.



2

Accuracy of the printing, which does justice to the prototypes.



3

The colour instruction sheet provides clear indications.

“The cab is a miniature work of art. All the fixtures and fittings are where they should be and well painted”

Six-pin socket



Reviews



Factfile: Prototype notes

South Eastern & Chatham Railway Locomotive Carriage & Wagon Superintendent Harry Wainwright proposed using separate tank locomotives and push-pull coaches in 1907 to replace the troublesome Kitson railmotors on some of its branch lines. Permission was granted and Ashford Works turned out these new 0-6-0Ts, No. 753 and 754, in February 1909. After trials, six more, Nos. 27, 178, 555, 558, 323 and 325, entered service in 1910.

All eight 'Ps' became Southern Railway stock after the Grouping in 1923. They all received an 'A' prefix to their numbers and six received Maunsell passenger green livery. To make way for new 'L1' 4-4-0s, No. 754 became No. A557 and No. 753 became No. A556. The whole fleet later lost its 'A' prefix but '1000' was

added to its numbers after July 1931.

British Railways inherited all eight and the class survived intact until 1955 when No. 31555 was withdrawn. By the end of 1961, the whole class had been withdrawn.

Four survive: Nos. 31027 and 31323 were bought by the Bluebell Railway; No. 31178 was sold to Bowaters paper mill in June 1958 and was repainted in a quasi-SECR livery, but gained the name *Pioneer II* (it was sold in 1969 to the Bluebell Railway); and

No. 31556 was purchased by James Hodson (Millers) & Sons Ltd in 1961 for use at its flour mill. It was transferred to the Kent & East Sussex Railway in 1971, where it still resides.

DID YOU KNOW?
'Ps' Nos. 27 and 753 shunted the War Department's Boulogne depot between April 1915 and October 1916.



1: Wainwright 'P' No. 1558 in Southern Railway black with 'sunshine' lettering. Some views reveal that the number has been painted onto the bufferbeam. MIKE MORANT COLLECTION

2: The Bluebell Railway's 'P' No. 31027, running in lined black lettering with the name 'Primrose' in 1961. COLOUR RAIL

3: No. 31556 was sold by BR to James Hodson's flour mill at Robertsbridge, where it worked until the early 1970s. GORDON EDGAR



RECOMMENDED READING

◆ *The Locomotive History of the South Eastern & Chatham Railway* by D.L. Bradley (RCTS, 1980).

System builder

Other items to complement this model...

LOCOMOTIVE

Fill your SECR locomotive shed with Bachmann's 'C' 0-6-0. **Price:** RRP £124.95

Availability: Bachmann stockists



LOCOMOTIVE

...and Hornby's hugely popular 'H' 0-4-4T, if you can find one! **Price:** RRP £119.99
Availability: www.hornby.com



COACHES

Give your 'H' something to pull with Bachmann's 'Birdcage' coaches. **Price:** From £64.95 **Availability:** Bachmann stockists



REVIEW VERDICT

PROS. Flawless running, beautiful looks, costs under £100.

CONS. Little of note.

LOOKS	9.5
PERFORMANCE	9
FEATURES	9
DECORATION	8.5
VALUE FOR MONEY	10

92%

HATTON'S 'P' CLASS 0-6-0T

OVERVIEW

Manufacturer: Hatton's

Ref. No: See p86

Unit No: See p86

Scale/gauge: 1:76, '00'

Body: Metal/plastic

Chassis: Metal/plastic

Weight: 122g

Min. curve radius: R2, 438mm

Wheel back-to-back: 14.7mm

ELECTRICS

Electrical system: 12V DC two-rail

Motor type: Five-pole skew wound

Lights?: No

DCC ready?: Six-pin socket

MECHANISM

Drive system: Worm drive to rear axle

Flywheel(s): No

Traction tyres: No

POWER

Max. speed: 0.2A

Stalled: 0.5A

DIMENSIONS

Length (over buffers)

Height (over chimney)

Width (over footplate)

Wheel diameter

Wheelbase

PROTOTYPE

24ft 2½in

10ft 9¼in

7ft 8in

3ft 9½in

11ft 0in

1:76 SCALE

96.7mm

44mm

31.3mm

15.6mm

44mm

MODEL

95.8mm

44.3mm

30.7mm

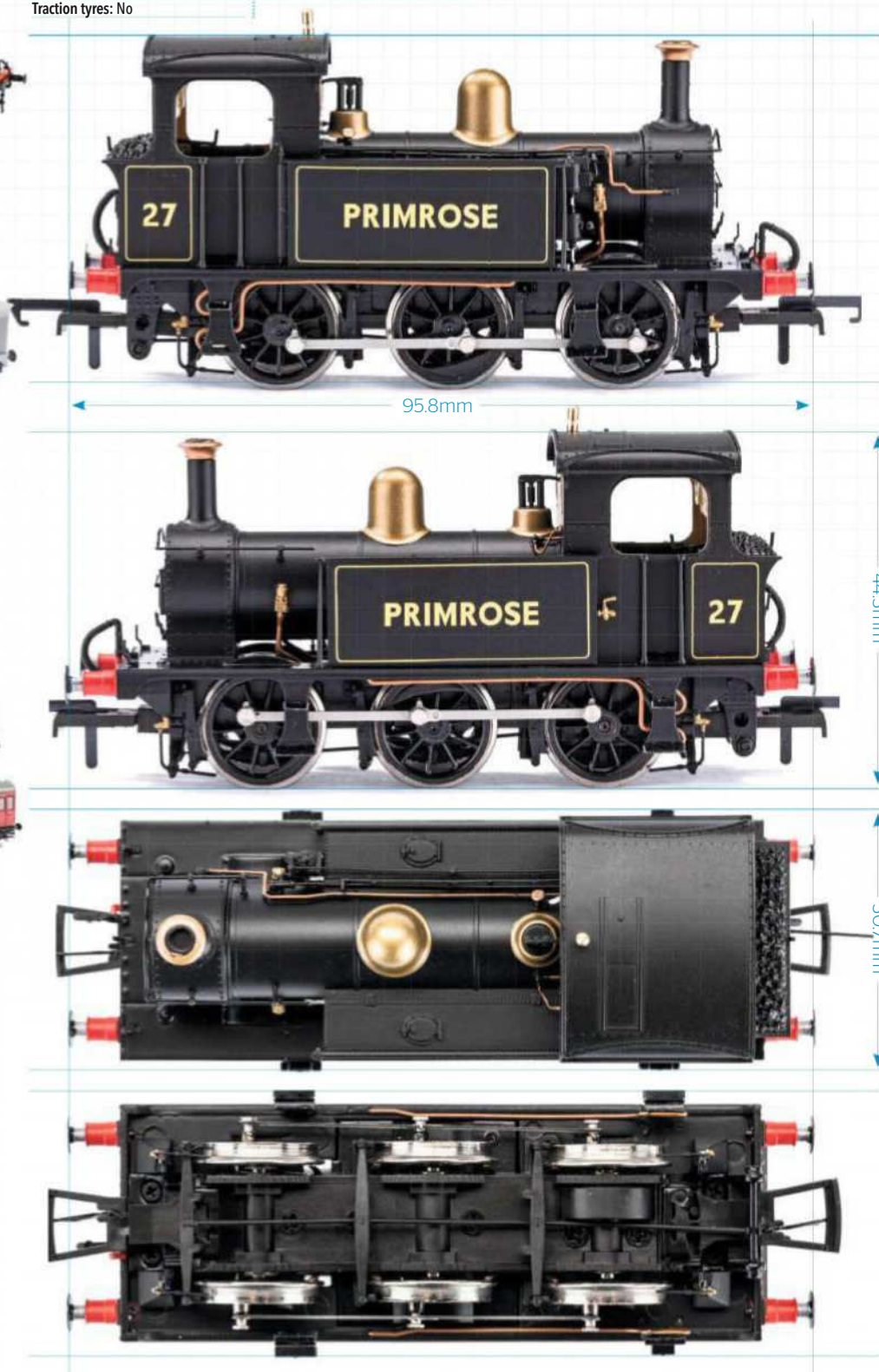
14.9mm

44mm

SERVICING

How to dismantle: Body unscrews.

Where to oil: Factory-lubricated.





Hornby GWR Class 800 five-car train pack

◆ SCALE 'OO' gauge ◆ MODEL Hornby R3514 GWR Class 800 ◆ PRICE £393.99 ◆ PERIOD present ◆ REGION GWR ◆ AVAILABILITY Hornby stockists

The need to replace the fleet of IC125 High-Speed Trains, dating from the mid-1970s, has been recognised for a long time. Successive refurbishments of the coaches and re-engining of the power cars put off the inevitable while work on developing a successor took place.

A deadline of 2020 was set for

the elimination of any HSTs that had not been upgraded with centrally controlled doors and disabled accessible toilets. Promised electrification of trunk routes, including the London-Bristol, Cardiff and part of the West of England main lines, led to the development of an electro-diesel multiple unit - now called 'bi-modes'. This 125mph

unit would be capable of 25kV operation where available and would be powered by on-board diesel engines beyond the extremities of electrification. Such units would also be suitable to replace HSTs and Class 91/Mk 4 trains on the East Coast Main Line, where they would use their diesel engines on services beyond Edinburgh.

The Hornby Class 800 is an important model. Indeed, it is one of the most important models of recent years, representing the replacement for the iconic 1976 High Speed Train.

Modelling a five-car train of 26m coaches to suit train set curves was never going to be easy, and the Class 800, with a price tag of over £300, was





“On the track and coupled, this is an impressive model”

never going to sit easily in the train set end of the market. Accordingly, the new Class 800 is a flagship, top-of-the-range model. Nevertheless, it is capable of negotiating second radius 438mm curves, although certain other aspects of Hornby's train set ranges, such as the sharper points and the incline piers, are beyond its capability for reasons I will explain later.

RIGHT TIME

Hornby has timed the arrival of its GWR Class 800 train pack to coincide with increasing appearances of the class in public service. In so doing, it continues its long tradition of modelling the latest in eye-catching new trains right alongside the launch of the real thing. Only once has this come unstuck, with the InterCity Advanced Passenger Train (APT-P) which was summarily abandoned by BR within weeks of its launch, leaving Hornby with something of a red herring as its flagship model. Despite the almost customary debacle around the public launch of a new train, it is unlikely that any such disastrous fate will befall the Class 800s.

The model represents unit 800004 *Sir Daniel Gooch/Isambard Kingdom Brunel* which was the unit employed for the inaugural trip. It has yet to enter

public service and lacks the 'coin' motifs over the names, each 'coin' being unique to the name it accompanies.

The five-car train pack contains two polystyrene trays, one holding the two driving cars and the other the intermediate cars. The immediate impression is that this is a heavy model. Indeed, once the two trays are separated it is clear that the powered car is heavy but the non-powered models are no lightweights either.

The model lacks the shine of earlier GWR green liveries because the Class 800 has a largely vinyl exterior finish,

while earlier GWR re-liveries used high-gloss paint. There is no pack of customer-fit details and just the customary instruction leaflet which includes a diagram showing the order in which the cars are coupled. This is actually quite straightforward, being in numerical order of the third digit of each carriage number, thus 814xx is positioned between 813xx and 815xx. A 'male' and 'female' coupler on each car ensures that they are coupled in the correct orientation.

Once on the track and coupled, this is an impressive model. At 5ft 8in long (1.7m) the five-car

3 things we like



1

The superb roof fan detail.



2

Glazed end vestibule doors.



3

High-quality decoration.

Performance

One bogie of each car is fitted with phosphor-bronze wiper pick-ups to power the interior lights but the couplers are not wired.

The driving cars have direction-controlled front and rear lights but the lack of any through-wiring means that DCC users will have to fit two decoders and reconfigure the one in the trailing car to reverse its 'forward' and 'reverse' functions just to operate the lights. That is the down side of this otherwise nice, simple coupling system.

Unlike the real thing, which has diesel engines in the non-driving cars, Hornby has used the blanked-out window area in car 815004 to conceal a beast of a mechanism, weighing in at a whopping 494g (just over 1lb 1oz) thanks to a metal chassis and floor and an extra slab of

weight above the motor. Within the 'kitchen' area is a motor and two flywheels, from which two steel prop shafts drive both axles of both bogies.

This mechanism is extremely quiet and smooth. Even on my own layout with curves of over 3ft radius and a backscene which would prevent a mishap, I was reluctant to unleash the Class 800 at full speed. *Model Rail's* test track is on a balcony above a 20ft drop and has much sharper curves! However, regardless of the curve radius, the IET looks much better when operated at speeds appropriate to the curves on which it is running.

And it does look good! It is smooth and quiet straight from the box and the distinctive head and tail lights, set behind their moulded glass fairings, really do look the business.



Factfile: Prototype notes

The Intercity Express Project (IEP) led to the development of a range of bi-mode multiple units based on Hitachi's successful Class 395 'Javelin' trains which operate the high-speed line from St Pancras into Kent. The first of these to enter service are the five-car Class 800s for the Great Western Railway franchise which are gradually being phased into operation on services from Paddington to South Wales, Bristol and Worcester. They will be joined in due course by nine-car Class 803 units. Similar units destined for the East Coast Main Line franchise (currently Virgin Trains East Coast) will be Class 801.

As has been widely reported, delays to overhead line installation and cancellation of electrification on some lines has led to the bi-mode trains having to operate on diesel power much more than was originally intended.

The Class 800 unit consists of a pair of streamlined driving trailer cars sandwiching three non-driving motor cars. First Class accommodation, plus crew and kitchen/trolley catering contained behind three blanked-out windows, are provided in one driving trailer, while the other contains just Standard Class accommodation. The three non-driving cars comprise a motor open composite and two motor open standards. At 26m long, the cars are 3m longer than the Mk 3s and the modern uncluttered interiors offer more seats than the HSTs which they replace.

Initially, GWR is using pairs of Class 800s coupled together for services to Swansea and Bristol, with single five-car units on the Worcester line.



800005 arrives at Moreton-in-Marsh with an Up, morning Paddington service. CHRIS LEIGH



unit is a couple of inches longer than Bachmann's six-car Midland Pullman. The coaches are 26m long, which is 3m longer than a BR Mk 3 coach. The bogie centre spacing remains much the same, however, the extra length in the body being at either end. This results in a vehicle with considerable overhangs. This could cause problems on layouts with sharp curves, closely spaced curved tracks or, as in my case, a closely placed backscene around the outer curve.

DEVILISHLY DETAILED

The smooth, aerodynamic exteriors of the Class 800 vehicles don't provide an opportunity for a wealth of separately fitted detail and what's present is mainly confined to the roof and underside. However, the shape has been well captured and there are some neat touches, such as the digital destination displays

showing 'Cardiff Central 1400 Swindon' (the 12.56 off Cardiff Central to Paddington), and the nose cone, which can be removed to reveal a dummy coupler. This is attached to the cast metal chassis block and is not pivoted, so it cannot be used to couple two units together.

It is difficult to believe that, given the cost and the length of the model, many modellers might want to couple two together. Indeed, even a single Class 800 does dominate all but the largest of layouts. My layout is not what I would consider small, at around 8ft wide and 15ft long, and my main station platform is only just long enough for a single five-car unit.

The roof recess carries a posable plastic pantograph but this is not sprung, nor is it capable of collecting current.

I suspect the majority of purchasers will take the opportu-



HORNBY R3514 GWR CLASS 800 FIVE-CAR TRAIN PACK

OVERVIEW

Manufacturer: Hornby
Ref. No. R3514
Unit No. 800004
Scale/gauge: 'OO'
Body: Plastic

Chassis: Metal/plastic
Weight (powered car): 494g
Min. curve radius: R2, 438mm
Wheel back-to-back: 14.5mm

DIMENSIONS

Length over gangways
Height
Width
Wheel diameter
Bogie centres
Bogie wheelbase

PROTOTYPE

85ft 4in
N/A
8ft 10in
N/A
N/A
N/A

1:76 SCALE

341mm
50mm
35mm
11mm
223mm
34mm

MODEL

342mm
50mm
35mm
11mm
223mm
34mm

ELECTRICS

Electrical system: 12V DC two-rail
Motor type: Sealed

Lights?: Head, tail, interior
DCC ready?: Two decoders required

MECHANISM

Drive system: Centrally placed motor with prop-shaft drive to both bogies

Flywheel(s): Two
Traction tyres: No

SERVICING

How to dismantle: Body unclips.
Where to oil: Axle bearings at six months/100 hours.

CURRENT CONSUMPTION

Max. speed: 0.2A Stalled: 0.8A



nity to operate the model in 'pan down' diesel mode in order to avoid the need for overhead line equipment. The roof detail is the best that I've seen on a ready-to-run plastic model and the fans (there are two on each car) are exquisite. An incredibly fine mesh covers a detailed eight-bladed fan and it is all done so well that it is difficult to see exactly how Hornby did it!

Under the appropriate car ends there are separately fitted toilet retention tanks which are neatly detailed and sprayed in a metallic silver finish. Car 812004 does not



have this fitting as this Standard Class coach is sandwiched between the toilet ends of two adjacent vehicles. The equipment module under the power car includes a recess designed to take a DCC sound speaker, but it seems that while this area can be used to house a regular DCC decoder, with a speaker installed there is insufficient space for a top-of-the-range sound decoder. Some users have resorted to housing the sound decoder inside the vestibule/toilet section of the car.

The bodysell of each car unclips using the simple method

of inserting three or four card or plastic strips between body and chassis to release the side clips. I use strips of old credit cards for this as it avoids the risk of scratching the bodysides with a knife or screwdriver.

With the body removed, the one-piece interior unit moulded in grey plastic is revealed. This is a graphic illustration of just how many seats are available in these new trains, the majority of them

laid out airliner style. The seats are modelled with their distinctive armrests and, where appropriate, there are end bulkheads. In the driving cars there's a representation of the distinctive curved wall of the disabled accessible toilet but no detail is included inside areas where it cannot be seen.

Also modelled correctly in the three motor coaches is the floor which rises with a gentle slope over the engines. I considered doing my usual painting job on the interior but little work is needed as the interiors of the real thing are substantially pale grey. One could, perhaps, pick out the First Class seats in dark grey and red, but the darkened glazing restricts what can be seen from outside. This is also true of the LED lighting in the ceiling of each car, which is rather more subdued than it is on the real thing. Cab detail is restricted to the desk unit and two seats.

The separately fitted flush glazing is clear where appropriate and 'smoked' in the saloons and passenger doors. The cab doors with their deeply recessed handles are separate fittings and are particularly effective. Within the gangway connections, the twin fully glazed sliding doors are also accurately modelled. Another striking detail feature is the faces of the metal wheelsets, with their shiny brake discs beautifully reproduced.

REALITY CHECK

At this point I decided it was time to take a look at the full-size Class 800, so I went for a ride from Moreton-in-Marsh to Oxford. These new trains are impressive and there's no doubt that Hornby has captured the good looks and the detail spot on.

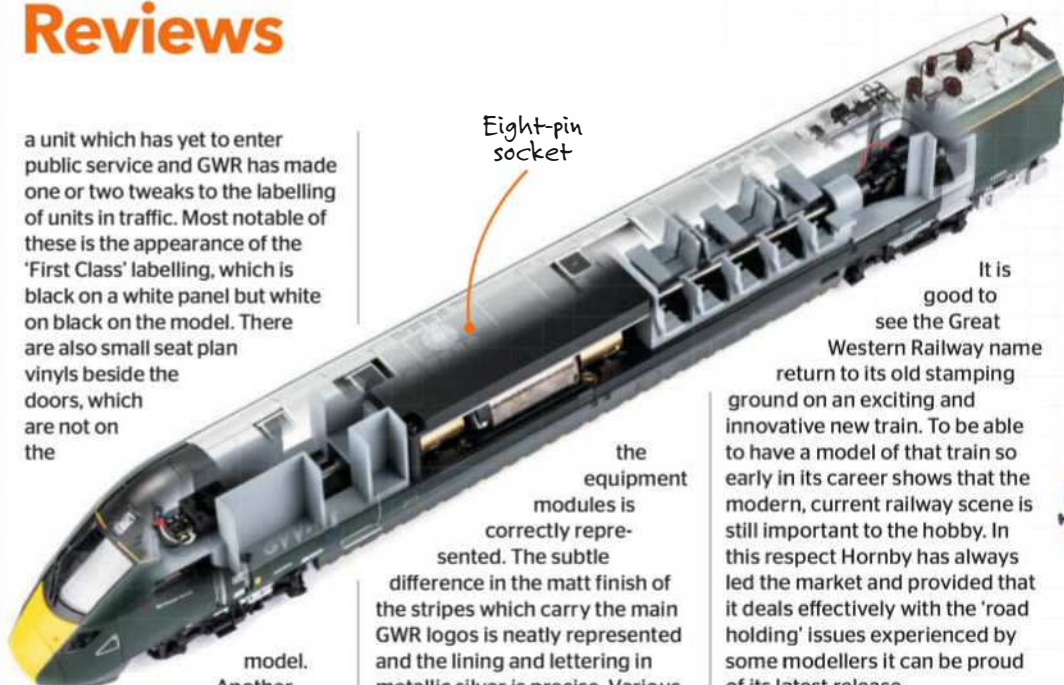
The Hornby model represents ▶

“An incredibly fine mesh covers a detailed eight-bladed fan - done so well that it is difficult to see exactly how Hornby did it!”



Reviews

a unit which has yet to enter public service and GWR has made one or two tweaks to the labelling of units in traffic. Most notable of these is the appearance of the 'First Class' labelling, which is black on a white panel but white on black on the model. There are also small seat plan vinyls beside the doors, which are not on the



model. Another change between the original and 'in-service' liveries is the painting of the doors in dark grey. The launch units and the Hornby model have the doors in silver. Otherwise the finish and livery detail of the model is spot on. Even the subtle difference between the pale grey of the roof and the silver-grey of

the difference in the matt finish of the stripes which carry the main GWR logos is neatly represented and the lining and lettering in metallic silver is precise. Various bodyside labels are all neatly printed with tiny lettering.

The pantograph is moulded in black and dark grey, and the insulators and cabling are brown. One thing that cannot be represented on a model that is to operate over sharp curves is the wealth of heavyweight cabling that connects the car ends. Nevertheless, the models carry the full array of cable sockets on each end, each with its own live wire warning sign - nine of them on each vehicle end!

It is good to see the Great Western Railway name return to its old stamping ground on an exciting and innovative new train. To be able to have a model of that train so early in its career shows that the modern, current railway scene is still important to the hobby. In this respect Hornby has always led the market and provided that it deals effectively with the 'road holding' issues experienced by some modellers it can be proud of its latest release.

At over £300 it is not cheap but what you're getting is, in my view, worth every penny. (CJL)



System builder

Other items to complement this model...

CLASS 57

Bachmann 32-756 Class 57 GWR *Tintagel Castle* Price: RRP £169.95 Availability: Bachmann stockists



SLEEPING CARS

Hornby R4868 GWR sleeping cars three-pack. Price: RRP £89.99 Availability: Kernow Model Railway Centre



STATION

Oxford Structures OS76R001 GWR station Price: RRP £44.99 Availability: Oxford Rail stockists



REVIEW VERDICT

PROS. Superb detail, smooth and powerful.
CONS. See panel (right)
Minor livery details, otherwise nothing of note.

LOOKS 10
PERFORMANCE 8
FEATURES 8
DECORATION 9
VALUE FOR MONEY 8

86%

Coupling Achilles heel

I had noted that some modellers had reported derailments on curved track. During test-running on my own layout, the third car derailed three times at the same spot. There were no further problems until I tried a test run on the *Model Rail* test track.

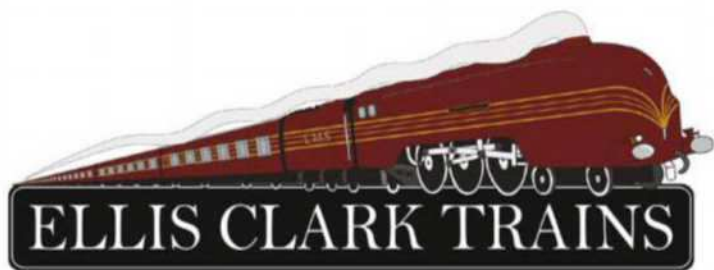
Here it ran without derailment on the outside circuit with the widest radius curves but derailed as soon as it was diverted over pointwork. I then took the bodies off a couple of cars in order to examine the interiors. When I next ran the unit at home it would not complete a circuit without at least one of the unpowered cars derailed. I checked that the car bodies I'd removed had been refitted precisely. I then conducted a test-run with car 813004 minus its body. This showed that at the point of derailment the car was actually suspended, off the rails, by the couplings at either end, thanks to a very slight sag in the baseboard. No other train has, however, derailed at this point.

The couplings are in the style of an NEM pocket turned on its side. Coupling two cars together provides a rigid bar 56mm long. Each part of the bar is engaged in a close coupling slot which allows it to open out on curves by

5mm per car, giving a rigid bar 66mm long when fully opened out. Within that 66mm there is little or no vertical flexibility.

To be fair, we should expect our track to be well-laid and in tip-top condition if we are running fast trains. In practice, we all know the shortcomings of our own layouts and here it's necessary to decide whether we fettle our track to perfection or whether a minor tweak to the model will resolve the issue.

Initially, I felt that a very close interface between the yaw-damper arm on the bogie and the associated bracket on the body might be the problem. Checking that the body has been fitted precisely and that the clips are fully engaged should resolve this. Having decided that a lack of free movement and vertical flexibility in the couplings might be the problem, I slackened each of the coupler screws by no more than one full turn. On four of the cars it is necessary to remove the toilet retention tank mouldings (held by two screws) in order to access the coupling screw. As I completed each car I tested it. I had no further derailment problems, the close couplers move freely, and I can run the unit at close to full speed round my 3ft radius curves.



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, buses, 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

**BUY
ONLINE**
at our new
WEBSITE



Illuminated
headcode
panels

Heljan Class 20

◆ SCALE 'O' gauge ◆ MODEL Heljan 2012 Class 20 diesel ◆ PRICE (rrp) £599.00 ◆ AVAILABILITY Tower Models, 01253 623797, www.tower-models.com

The original, disc headcode-fitted version of the venerable Class 20 appeared in 2010 (MR142), with Heljan doing a grand job of capturing its looks and character. Nearly a decade later, the Danish firm has finally portrayed the later batches of Class 20s, equipped from new with four-character headcode boxes.

Six livery options are available, encompassing BR green, Rail blue and the fetching 'Red Stripe'

version of Railfreight grey from the early 1980s. Our sample sports the handsome Rail blue livery with full yellow ends, alphanumeric headcodes and double arrow logos applied to the cab sides, all typical features of a '20' in the pre-TOPS era.

It certainly looks the part, with the revised nose and cab ends capturing the ungainly look of the 'box-fitted' 'Choppers' well. There's a pronounced moulding seam around the edge of the nose, accentuated by the wraparound

yellow warning panel, but it doesn't detract from the overall appearance.

The finish is good, although the shade of yellow is a little patchy, bleeding onto the surrounding bodywork in places. Legible Vulcan Foundry builders' plates adorn the frames and all other printed characters are sharply executed.

As is the norm with Heljan, the model comes un-numbered with



no transfers supplied. The headcode boxes come pre-fitted with a different four-character code at each end, with no alternatives offered.

The codes refer to typical duties for a late 1960s/early 1970s-era Type 1: a 'Class 9' unfitted trip working and a 'Class 8' inter-regional duty destined for the Western Region. While the '20s' were not frequent visitors to the WR, there is an

Working radiator fan and finely etched grille

Detailed cab interior

Tidy flush glazing

Impressive bogie and underframe detail

3 things we like



1

Bufferbeam detail and screw couplings.



2

Legible Vulcan Works plates.



3

Powered radiator roof fan.

“The model is rather hefty and its mass helps to ensure plenty of pulling power”

image of 20176 carrying this headcode as late as 1980, in *Profile of the Class 20s*, by J. Vaughan (OPC, 1984).

UPGRADE OPTIONS

Sharing the same chassis as the original version of the Class 20, no DCC socket is provided. Instead, a screw terminal is provided atop the main circuit board to make it a little easier to alter the wiring for digital operation. Space for a speaker is provided within the battery boxes slung between the bogies.

Accessing the

interior proved to be a challenge, not least as the screw couplings must be removed before the body shell can be lifted away. The fit of the body on our sample was rather tight at the cab end, putting the delicate footsteps at risk of breakage, particularly during reassembly.

Once the body had been refitted, reattaching the springs, washers and split pins to the drawhooks required patience and plenty of change for the swear box.

As with previous releases, twin five-pole motors deliver

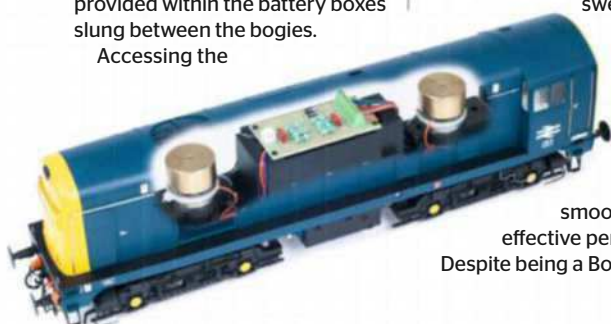
smooth and

effective performance.

Despite being a Bo-Bo of ➤

CLASS 20s WITH HEADCODE BOXES

The English Electric Class 20 first appeared in 1957, with a total of 228 locomotives rolling off the production line until 1968. Built originally with disc headcodes, four-character, centrally mounted headcode boxes were subsequently installed to D8128-99 and D8300-27 (20129-228 under TOPS).



Reviews

modest proportions, the model is still rather hefty and its mass helps to ensure plenty of pulling power.

LEDs illuminate the headcode boxes and tail lamps, while there's another separate motor in the roof to operate the radiator fan.

A bag of detailing parts is supplied, consisting of a pair of three-piece miniature snowploughs and a set of lamp brackets to be fitted into the top of the buffer shanks. A full array of bufferbeam hoses and cables is provided, revealing that the locomotive has received air and vacuum brake equipment.

The model comes packaged in a foam-lined box, screwed to an MDF base for added security. Alas, the MDF has not been sealed, resulting in copious amounts of fibre dust coating the wheels and bogies, which must be cleaned away before operation.

Apart from a few reservations about the packaging and interior access, this is another splendid addition to Heljan's impressive – and great value – range of 'O' gauge diesels. **(GD)**



HELJAN CLASS 20

OVERVIEW

Manufacturer: Heljan	Chassis: Metal with plastic parts
Ref. No. 2012	Weight: 1,570g
Unit No. N/A	Wheel back-to-back: 28.8mm
Scale/gauge: 1:43 scale, 'O' gauge	Min. curve radius: 1,028mm
Body: Plastic	

ELECTRICS

Electrical system: 12V DC two-rail	DCC ready?: No DCC decoder socket, screw terminals on PCB for easy conversion
Motor type: Twin five-pole can motors	
Lights?: Directional head/tail lights	

MECHANISM

Drive system: Nylon gears to each axle	Traction tyres: No
Flywheel(s): Two, brass	

DIMENSIONS

	PROTOTYPE	1:43 SCALE	MODEL
Length (over buffers)	46ft 9in	332mm	327mm
Height	12ft 7in	88mm	90mm
Width	8ft 9in	61mm	61.5mm
Wheel diameter (driving)	3ft 7in	25mm	25mm
Bogie wheelbase	8ft 6in	59mm	60mm

SERVICING

How to dismantle: Body unscrews from chassis (screw couplings must be removed first).

Where to oil: Gears accessed via plate under bogies.

System builder

Other items to complement this model...

Wagons

Virtually any general freight wagons of the late steam/early diesel era, plus air-braked stock of the later BR era, such as Heljan's VAA vans and OAA opens. Also, Dapol's forthcoming HAA merry-go-round hoppers.

REVIEW VERDICT

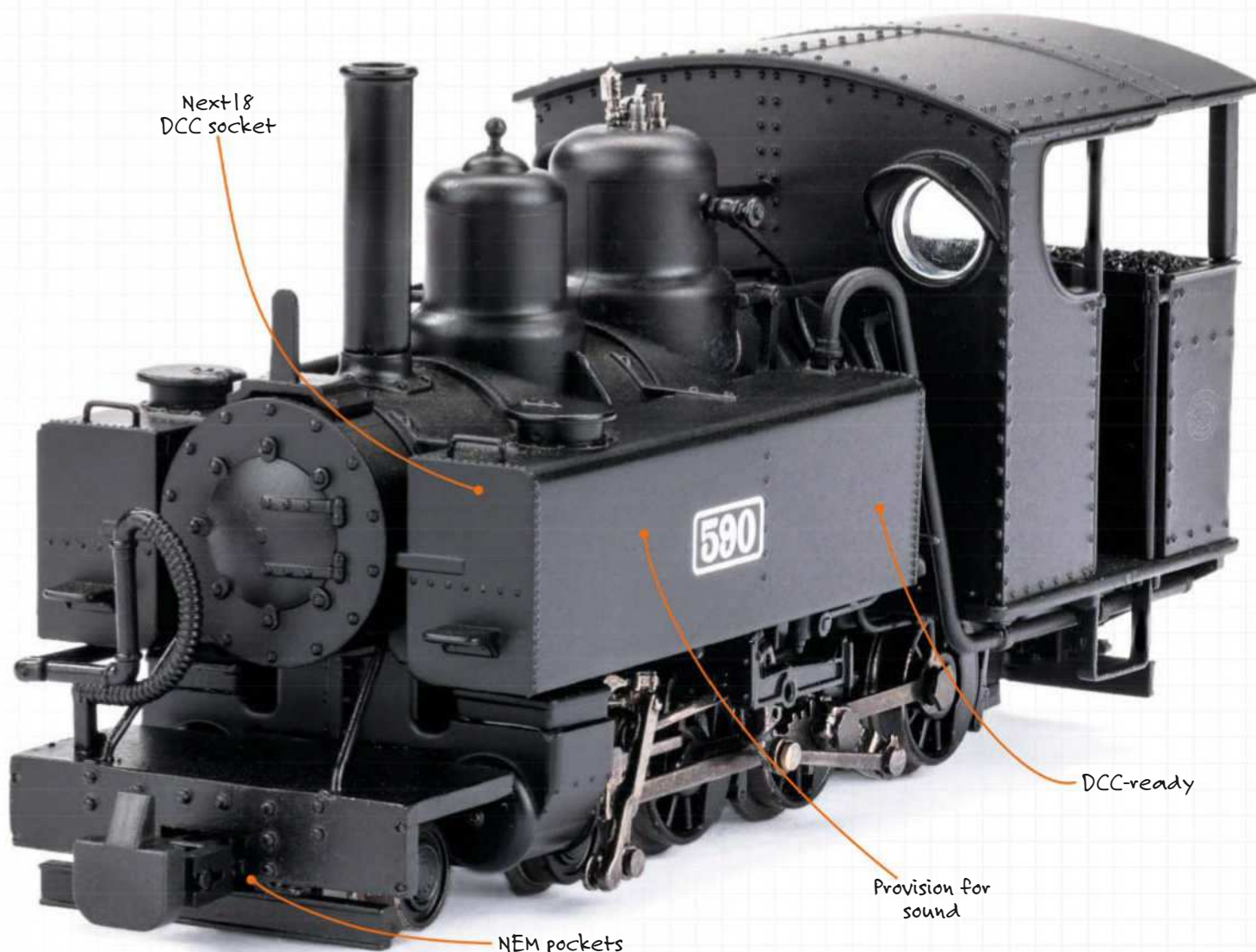
PROS. Looks the part, finely rendered detail, cab interior, performance.

CONS. Mould seam on the nose end, interior access, no DCC socket.

LOOKS	9
PERFORMANCE	9
FEATURES	8
DECORATION	8
VALUE FOR MONEY	8

84%





Bachmann Baldwin '10-12-D'

◆ **SCALE** '009' ◆ **MODEL** Bachmann Narrow Gauge 391-026 Baldwin '10-12-D' 4-6-0PT No. 590, Welsh Highland Railway black
◆ **PRICE** £149.95 ◆ **AVAILABILITY** Bachmann stockists

It sounds somewhat insulting to say it, but very few of the new ready-to-run models that cross our desks every month really leap out and grab our attention. It's not meant to be an insult – it actually speaks volumes about the quality of new models that they're all at a consistently high standard, in terms of looks, decoration and performance.

But Bachmann Narrow Gauge's first locomotive, the WDLR Baldwin '10-12-D'

4-6-0PT, is a real showstopper.

The Baldwin impresses on many different levels, from the way it looks down to the striking levels of engineering involved. It's a work of art, and testament to the skills that this industry boasts, from the engineers who designed it to those in the factory who have the job of putting it together.

It was only a matter of time before a mainstream manufacturer moved into the world of '009' narrow gauge.

Bachmann has gone one stage further and now has a dedicated '009' brand – Narrow Gauge – and has even shunned its famous blue box colour for green.

Bachmann unveiled Narrow Gauge at its July 2014 summer open event. It even brought surviving Baldwin 4-6-0PT No. 778 to its Barwell HQ. The choice of locomotive was a good one, given that the nation was about to commemorate the start of the First World War. Baldwin's design is probably the locomotive

everyone thinks of in relation to the railways and that conflict.

PIPE DREAM

It's the amount of daylight visible through the locomotive that grabs your attention first. There's plenty under the smokebox and between the frames and the water tanks. The fact that the tanks don't reach back to the cab means that the model features this wonderful area with just the boiler barrel surrounded by a mass of pipework. ➤

Reviews



The model really captures the North American look of the prototype. The smokebox door is much smaller than the diameter of the smokebox itself and is secured with dog clips. The box that contains the geartrain does a decent job of replicating the bar frames of the real thing.

Overall dimensions match drawings published in W.J. Milner's *The Glyn Valley Tramway* and K.P. Plant's *The Ashover Light Railway* photographs. The tops of the dome and sandbox are perhaps not to the correct profile but they still look the part.

The tiny wheels and delicate valve gear suggest that Bachmann is really breaking new ground, but it has to be remembered that the company has considerable experience both in 'N' gauge (Graham Farish) and 'HOe' (Lilliput). There is a wealth of superb detail ▶

BACHMANN BALDWIN '10-12-D'

OVERVIEW

Manufacturer: Bachmann	Body: Plastic
Ref. No. 391-026	Chassis: Metal with plastic parts
Unit No. 590	Weight: 58g
Scale/gauge: 1:76 scale, 9mm gauge 'OO9'	Min. curve radius: R2 (263.5mm)

ELECTRICS

Electrical system: 12V DC two-rail	Lights?: No
Motor type: Coreless	DCC ready?: Next18 socket

CURRENT CONSUMPTION

Max. speed: N/A	Stalled: N/A
-----------------	--------------

MECHANISM

Drive system: Gear train to centre driving axle	Flywheel(s): No
	Traction tyres: No

DIMENSIONS

	PROTOTYPE	1:76 SCALE	MODEL
Length (over bufferbeams)	17ft 8 $\frac{1}{2}$ in	71mm	72.6mm
Height	9ft 0 $\frac{1}{2}$ in	39mm	38mm
Width (over tanks)	6ft 11in	24mm	24mm
Wheel diameter (driving)	1ft 11in	8mm	7.89mm
Wheel diameter (bogies)	N/A	N/A	4.9mm
Wheel diameter (coupled)	5ft 10in	16.4mm	16.8mm

SERVICING

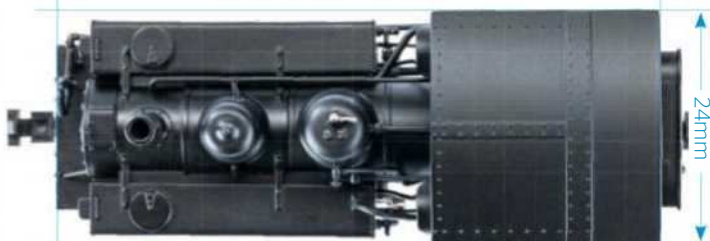
How to dismantle:	Remove pipework and two screws.
Where to oil:	Factory lubricated; instructions suggest further lubrication after running in.



72.6mm



38mm



24mm



3 things we like



1

There's space inside for a DCC decoder AND a sound speaker.



2

This fantastic area where the boiler meets the cab, with lots of fine detail.



3

'Splitting' the front bogie allows the Baldwin to negotiate tight curves.

Performance

One of the biggest issues with Heljan's 'OO9' Lynton & Barnstaple 2-6-2T was that it couldn't negotiate Peco Setrack pointwork and curves. There's no such issue with the Bachmann Baldwin. Rather than compromise its use on

Setrack, Bachmann's engineers have devised an ingenious solution: fitting the Baldwin with a pony truck and keeping one of the bogie axles as part of the fixed chassis block. This effectively turns what should be a 4-6-0-PT into a 2-2-6-0-PT.

It works well and No. 590 performed well on our

'N' gauge test track, taking eight Graham Farish coaches through the tight radius points and crossovers. It would have hauled all eight over our 1-in-30 but it wouldn't fit under the bridges!

No. 590 also worked well on our 'OO9' layout, hauling Peco and Bachmann bogie stock up a Woodland Scenics 1-in-25

incline. It worked well at slow speeds but was perhaps a little louder than a contemporary 'OO' gauge model.

The biggest issue was that No. 590 coupled easily to Bachmann Narrow Gauge stock but struggled with the couplers fitted to Peco rolling stock.

and delicate pipework, yet the Baldwin feels nice and sturdy.

What really impresses, however, is how Bachmann's design team have managed to squeeze all the features one would expect from a much larger model into such a small space.

Dismantling the model is surprisingly easy given the amount of delicate pipework. You have to prise a couple of pipes away from the cab/tanks and then remove two screws to release the tanks/boiler top/smokebox.

Underneath is the Next18 decoder socket. You can then see the coreless motor nestling inside the boiler barrel. Somewhere in this model is a sound speaker, probably under the bunker. There are NEM pockets in pivoting mounts at either end too.

Outside, there's little to live up to the plain black livery. Everything is black, while photographs show the locomotive with the number on the side. You do get etched builder's plates in a bag though.

STICKING POINT

It's inside the cab where you get a bit of colour. There is a mixture of copper and brass fittings, with two gauge glasses (white). The only issue here is the plastic glazing piece that's glued to the front spectacle. The glue is visible, but it's difficult to see how else the spectacle glasses could be glazed.

What's most surprising about Bachmann's Baldwin 4-6-OPT is the price. Heljan's 'OO9' Lynton & Barnstaple 2-6-2T has a full retail price of over £200, which is not surprising given the technology involved in making a model for what is, still, somewhat a niche market. But Bachmann's Baldwin retails for just £149.95. This is fantastic value.

This truly is 'OO9' for the masses! (RF)

REVIEW VERDICT

PROS. Great looks, packed full of features, performance, price.
CONS. Little of note.

LOOKS	9
PERFORMANCE	9
FEATURES	9
DECORATION	9
VALUE FOR MONEY	10

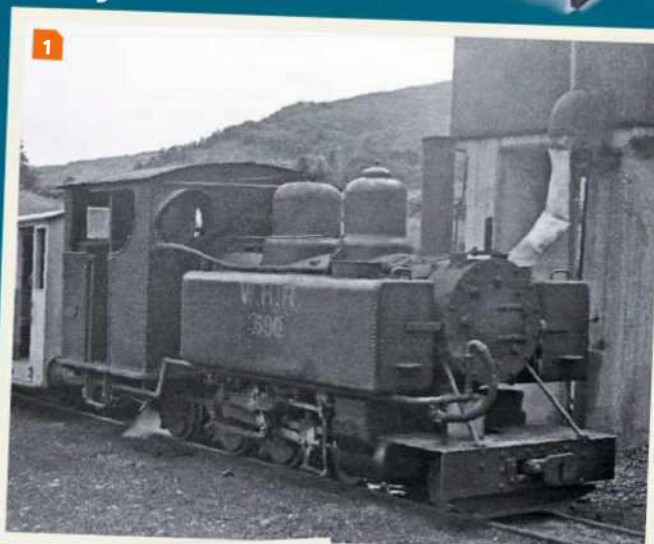
92%



Welsh Highland Railway No. 590

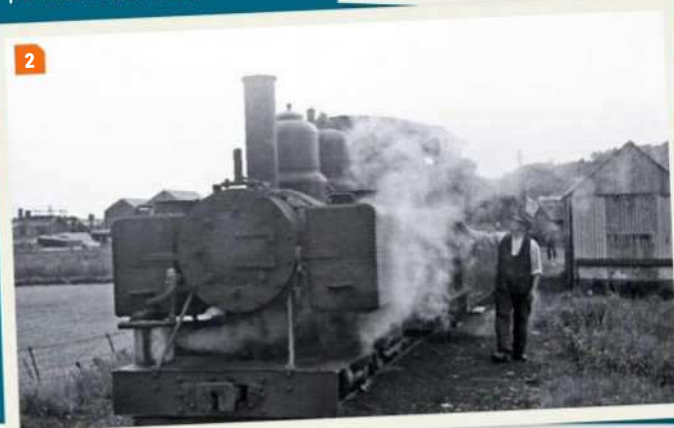
Our model is of WDLR No. 590, which was completed on March 1 1917. It was bought by the Welsh Highland Railway in 1923 and ran in North Wales until the WHR went into liquidation in 1937. No. 590 was steamed by the scrap contractors in 1942 but was found to be in such poor condition that it was broken up.

The Imperial War Museum has loaned classmate No. 794 to the Welsh Highland Heritage Railway at Porthmadog for it to be restored as No. 590. The condition of Bachmann's model portrays No. 590 just after its arrival on the WHR. It soon gained the initials 'WHR' on the tanks and was painted red in 1934.



1

1: WHR No. 590 takes on water at Beddgelert, sometime in the 1930s. The Baldwin was preferred for freight duties as it was a rather rough rider. DIGBYDACHSHUND/ALAMY



2

2: No. 590 at Porthmadog New station, which opened in 1929. Facilities here were basic – a tin shelter and a bench – but it saved the WHR/Festiniog money by reducing the number of trains crossing the former Cambrian main line! DIGBYDACHSHUND/ALAMY

System builder Other items to complement this model...

Locomotives

WHR's most famous locomotive, 2-6-2T Russell, has been offered in 'OO9' in kit form.

Price: £25.00 **Availability:** www.dundasmodels.co.uk



PETER KELLEY

Decoder

Dapol's new Imperium2 Next18 decoder, which measures 15mm by 10mm.

Price: £22.96 **Availability:** www.dccsupplies.com



Track

Peco offers a range of 'OO9' track in its Streamline and Setrack ranges.

Availability: All good Peco stockists





Oxford Rail Mk 3a coach

◆ **MODEL** Oxford Rail OR763TO002 InterCity 'Swift' Mk 3a Tourist Second Open (TSO) 12007 ◆ **PRICE** RRP £34.95 ◆ **SCALE/GAUGE** 4mm:1ft scale, 16.5mm gauge, 'OO' ◆ **AVAILABILITY** Oxford Rail stockists

A new Mk 3 has been high on many modellers' wish lists for many years. The existing Hornby offerings are a mixed bag of homegrown and absorbed Lima products, with some confusion about whether they're HST or locomotive-hauled Mk 3a vehicles and a loose interpretation of accuracy in either case.

There are no such problems with these new coaches from Oxford Rail though. The first batch is firmly rooted in the locomotive-hauled category, although HST trailers are promised later. In fact, they're the first true Mk 3a vehicles to be released since the old Jouef models of the late 1970s and likely to be widely welcomed as a result.

We've had to wait a little while for the production models to arrive, but InterCity 'Swift' livery models in 1990s condition are starting to arrive in shops now. BR blue/grey, ScotRail and Stobart Rail versions are also planned and there are likely to be many

more options over the coming months. Tourist Second Open (TSO), First Open (FO) and Restaurant Unclassified Buffet (RUB) or rebuilt Restaurant First Modular (RFM) will be offered first.

Reviewed here is TSO 12007 in 1993-98 condition, after the addition of Central Door Locking (CDL) equipment but before privatisation and transfer to Virgin Trains. CDL door indicator lights are present, as are the emergency release handles situated low down beside the left-hand doors. Oxford's tooling options ensure that models of earlier vehicles will not have these features.

DISC DETAILS

Several details will immediately catch the eye. The superb BT10 bogies have impressive relief and feature wheelsets complete with shiny steel brake discs. They also include provision for interior lighting via pin-point axles and blackened pick-up strips. Oxford originally announced that models would be available with factory-fitted

lighting, so hopefully that option will come later. However, one useful improvement over earlier Mk 3s is the provision of detachable NEM couplers on sprung, self-centring cams.

Below each end are orange Electric Train Supply (ETS) sockets - the first time these items have been included on a Mk 3 model. However, the two three-phase sockets under each end should be removed as they are only applicable to HST stock.

Roof ribs are subtly and convincingly reproduced, as are the three small Roevac vents at each end of the roof - a distinguishing feature of a locomotive-hauled Mk 3a. HST trailers have a single, larger square ventilator mounted in the middle of the roof.

Unlike some previous 'OO' gauge models, these Mk 3a vehicles have tinted glazing, which is welcome, although the tinting should not extend to the toilet and droplight windows.

Oxford's real triumph is the vehicle ends, which are some of the best renditions of this important area on any British

RTR coach. Unlike Hornby and Lima's over-simplified gangways, Oxford has modelled an accurately profiled buffing plate and flexible diaphragm correctly mounted in a well on the end of the body - all of which gives a convincing multi-layered effect.

RCH cables, water tank fillers, ETS jumper cables and separate handrails and lamp brackets all contribute to an impressive piece of modelling. One minor niggle is the stepboards under each door, which are easily detached (an issue already identified by Oxford for rectification) and could just as easily be lost. A dab of glue will hold them in place.

In general, the overall shape has been captured convincingly, although shape-wise the doors aren't quite up to the standard of the rest of the model. Oxford is promising that the underbody fairings will be tailored to each vehicle, with different door/hatch/vent arrangements for passenger and catering vehicles - unlike the generic layout seen on previous models.



“Oxford’s real triumph is the vehicle ends, which are some of the best renditions on any British RTR coach”

GREY AREA

And so to decoration, an area where Oxford has had mixed fortunes to date. Unfortunately that continues on this model, which doesn’t quite hit the mark and features a couple of avoidable mistakes. The attractive ‘Swift’ livery is neatly applied, particularly the red/white waistband, vehicle end data panels and italicised ‘INTERCITY’ branding. However, the lower bodyside is a little too grey, lacking the warmth of the original Executive light grey shade – although it is considerably better than the sickly yellow of Hornby’s more recent InterCity stock. Arguably, the upper dark grey band has a little too much black in it too, and should be more ‘milk chocolate’ than ‘dark chocolate’.

The latter is also affected by the decision to omit the



characteristic silver window frames which, although tricky to print in 4mm scale, were a distinctive feature of these vehicles. One other odd choice is the use of what appear to be early BR corporate image style

‘No Smoking’ stickers in one half of the saloon. As far as we’re aware, these were only applied to early Mk 2 stock in the second half of the 1960s, and certainly not to InterCity Mk 3s in the 1990s. We look forward to seeing Oxford’s interpretation of BR blue/grey, ScotRail and, eventually, Virgin Trains and many other liveries. Certainly there will be no shortage of options for the company to pursue.

There’s a great deal to like about these new Mk 3a vehicles, and modellers of the period from 1976 onwards should find them a considerable improvement on previous models. However, a few avoidable errors, especially in the decoration, take the edge off what is otherwise a very good model at a competitive price. **(BJ)**

3 things we like



1

Best representation to date of this important BR era coach.



2

Vehicle end and underbody detail.



3

Crisply moulded bogies and shiny brake discs on wheel faces.

BR Mk 3 stock

Although best known as the trailer vehicles in InterCity 125s, a large number of Mk 3a coaches was built for locomotive-hauled West Coast Main Line operations.

Built between 1975 and 1984, Mk 3a deliveries included 60 First Opens (FOs) numbered 11004-063, 165 Tourist Second Opens (TSOs) – 12004-168 and 28 Restaurant First Buffets (RFBs). The latter, numbered 10001-028, were the first restaurant/buffet cars ordered by BR since the early 1960s and were designed to provide more modern catering facilities than the existing Mk 1 fleet. Two vehicles for the Royal Train, 2914/15, were also added to the order, along with no fewer than 208 sleeping cars to replace the outdated BR Mk 1 overnight fleet.

As part of InterCity’s drive to improve quality and attract business travellers from northern England, a further 38 improved FOs

(11064-101) and three Brake First Opens (17173-175) were built in 1985 and classified as Mk 3b.

Most of the fleet plied its trade on the Euston-Manchester, Liverpool and Glasgow routes until replaced by Virgin Trains Class 390s from 2002, but TSOs 12004-008/011-031 and FOs 11005-010/022 (later converted to Composite Opens 11905-910/922) were used in Scotland between 1978 and 1990, working Edinburgh-Glasgow/Aberdeen push-pull services with Class 47/7s and Mk 2f Driving Brake Second Opens (DBSOs).

After being dislodged from the WCML, the Mk 3 LHCS fleet has been widely dispersed. Greater Anglia has the majority, working London-Norwich expresses with Class 90s, but other operators include Chiltern Railways, Great Western Railway, DRS and, most recently, TransPennine Express.

REVIEW VERDICT

PROS. Shape, bogie detail, ends.

CONS. Livery errors but otherwise little of note.

LOOKS	9
FEATURES	8
DETAIL	9
DECORATION	8
VALUE FOR MONEY	9

86%



Kernow 'Turbot' ballast wagon

◆ **SCALE** 'OO' gauge ◆ **MODEL** KMRC SB006B YCV 'Turbot' ballast wagon DB978015, Civil Engineer's 'Dutch'; SB006H YCV 'Turbot' ballast wagon DB978488, EWS maroon and gold
 ◆ **PRICE** RRP £29.99 each ◆ **AVAILABILITY** Kernow Model Rail Centre, 01209 714099, www.kernowmodelrailcentre.com

Kernow Model Rail Centre's exclusive wagon products have traditionally had a South Western theme to them. The latest, however, the 'Turbot' bogie ballast wagon, has nationwide appeal.

BR created the 'Turbot' from the 'Bogie Bolster E'. Although roughly the same length as a Tube wagon, the fact that the 32ft long 'Es' had bogies gave them a much higher payload capacity. BR rebuilt some 1,000 'Bogie Bolster Es' with low bodies, with three dropside

doors for ballast and spoil traffic. 'Turbot' conversions took place between the 1970s and 1980s but the majority had been withdrawn by the early 2000s. However, 60 'Turbots' were rebuilt with airbrakes and had the end spill plates removed for use on London Underground.

Dapol has been promising a 'OO' gauge 'Turbot' for many years but with the project having seemingly stalled, Kernow Model Rail Centre picked up the baton. Dapol confirmed at the 2017 Warley National Model Railway

Exhibition that it was still working on a 'Turbot' and displayed CAD images on its stand. But Kernow's offering was at a more advanced stage, and it was able to display factory decorated samples.

HERE AND KERNOW

Kernow's 'Turbot' is now in stock and we received two samples for review: DB978015, rebuilt to Lot 4021 at Shildon in June 1982, in grey/yellow 'Dutch'; and EWS maroon DB978488, which, as DB978115, was also rebuilt at Shildon in June 1982.

Both wagons compare well with prototype photographs on Paul Bartlett's website (paulbartlett.zenfolio.com). The short, stumpy looks are well executed and though all of the door equipment is moulded, it looks effective. End handrails are separately fitted items but lamp irons are also moulded.

The North American-looking Davis & Lloyd 'Ride Control' bogies look effective, with some good relief around the springs. The frame trusses are sturdy and complement the fine hand and vacuum brake gear.



“The two wagons were towed and propelled through first radius curves, points and crossovers at speed with no problems whatsoever”

The only issue is that some wagons - including DB978015 - have been modelled with the distinctive end step when the real thing didn't have this feature.

Our biggest worry proved to be unfounded. The NEM pockets, holding cranked tension lock units, are fixed and not linked to the bogies with a cam arrangement. This didn't affect the running at all - the two wagons were towed and propelled through first radius curves, points and crossovers at speed with no problems whatsoever. The exposed three-hole disc wheels have a really effective, 'lazy' look when running at slow speed.

DISH THE DIRT

EWS livery was applied to 'Turbots' employed on a series of trains that ran to Minehead, terminus of the West Somerset Railway, as the Somerset sea defences were beefed up. The paint shades on this and the 'Dutch' model look good, although 'Turbots' rarely remained this clean - you'll need to break out your weathering

equipment to give them a truly authentic look.

Printing is exemplary throughout, with all data panels and builder's plates legible under a magnifier. Sadly, the edges between the two colours on both samples is rather fuzzy and the yellow/gold on both lacks full opacity. The headstocks and buffers on DB978015 should also be black and not grey.

The 'Turbot' is very competitively priced when you consider a Bachmann 'Tube' wagon, which doesn't have bogies, costs £32.95. Bulk packs featuring four EWS or 'Dutch' wagons are also available for £109.99. It may have taken a while for modern image modellers to get their hands on a ready-to-run 'Turbot', but it's been worth the wait. (RF)



REVIEW VERDICT

PROS. Overall looks, performance, price.

CONS. Some detail errors, paint finish.

LOOKS	8.5
BUILD QUALITY	9
FEATURES	9
DECORATION	8
VALUE FOR MONEY	9.5

88%

'Turbot' DB978015 at Exeter St Davids on July 26 1982. The wagon is in pristine condition, having been outshopped from Shildon Works only a few weeks earlier. 'Turbot' conversions continued at Swindon Works after Shildon was closed in 1984. PAUL BARTLETT





NEM pockets

Hatton's/Oxford ICI Hopper Wagon

◆ **SCALE** 'OO' gauge ◆ **MODEL** Hatton's/Oxford Rail ICI003A/B Nos. 3274/3301 ICI hopper wagon 1950s-1973 grey ◆ **PRICE** £24.00 each (£25.00 weathered)

◆ **AVAILABILITY** Hatton's, 01517 333655, www.hattons.co.uk

Few British freight wagons have enjoyed longer careers and have been hauled by a greater variety of traction than the famous ICI bogie limestone hoppers. They were introduced by the LMS in 1936 and, until the beginning of the 21st century, they had carried millions of tons of Derbyshire limestone from the Peak District to ICI soda ash plants in Cheshire.

Originally worked by LMS '4F' 0-6-0s and '8F' 2-8-0s, they were later hauled by BR '9Fs' and

diesels of Class 24/25, Metrovick Co-Bos, Class 40, 45 and 47 and in later years Class 20s and refurbished Railfreight Class 37/5s based at Buxton. They were among the first wagons to be used in fully braked 'block' trains running point-to-point between origin and destination, eliminating the inefficiencies of traditional small capacity wagonload operation routed via various marshalling yards.

The ICI hoppers were also instantly recognisable to staff

and enthusiasts alike, being so much larger than conventional freight wagons of the 1930s. In many ways, they were the forerunner of modern freight wagons and the block trains that now monopolise the movement of bulk freight. Charles Roberts of Wakefield built 152 between 1936 and 1953.

LIFE-EXPIRED

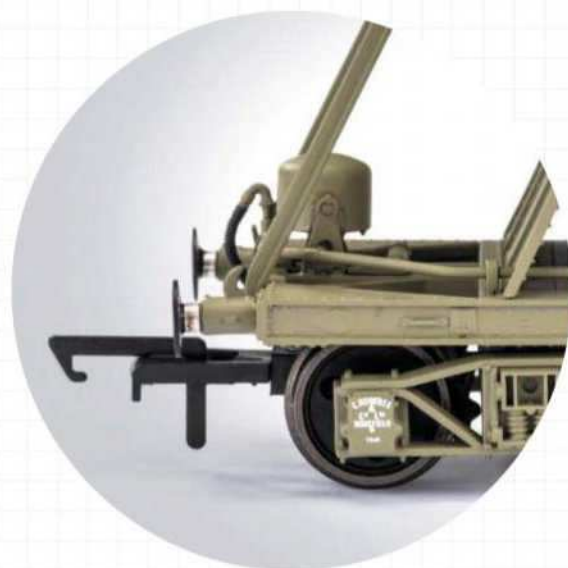
However, by the late-1990s they were regarded as life-expired. A plan to fit new bogies and air brakes to further prolong their

lives was rejected in favour of replacement by new and cascaded hoppers and the fleet was gradually run down until the final workings took place in late December 1997. Fortunately, six wagons survived to be surveyed by Hatton's and Oxford Rail as the basis of a new family of models depicting the ICI hoppers throughout their 60-year career.

No fewer than 20 versions are planned, covering original LMS mid-grey, 1950s to 1973 transition era 'battleship grey' and post-1973 condition with



“Vacuum brake equipment, ownership plates, end strengthening braces and door controls are all separately fitted items, adding to the overall quality feel”



TOPS computer codes (PHV) and data panels. Pristine and weathered versions with several numbers for each era will allow modellers to assemble authentically numbered trains with numerous detail variations between wagons.

CLEAN DEBUT

Weathered models will follow later in the year (pre-production versions look extremely impressive), but the first models to arrive are the pristine examples, including the two 1950s to 1973 models shown here. ICI003A depicts pre-war No. 3274 in reasonably original condition with diamond frame

bogies, while ICI003B features No. 3301 with the replacement plateback bogies that allowed capacity to be increased from 43.5t to 47t in later years.

Oxford has captured the robust North American styling, along with an impressive level of detail throughout. The extensively riveted underframes and hopper bodies really look the part but there's no less detail underneath, thanks to the superb open frames and hopper discharge door details. Vacuum brake equipment, ownership plates, end strengthening braces and door controls are all separately fitted items, adding to the overall quality feel.

The two types of bogies are also well modelled and feature free-running metal pin-point axles and tyres with plastic three-hole wheel centres. Couplings are in NEM pockets on flexible plastic mounts; my only criticism of the model is the use of Oxford's standard over-length tension lock couplers, which push the wagons some distance apart.

Otherwise, Hatton's has played a blinder with these models, producing superb-looking wagons with excellent decoration and detail at a very attractive price. Look out for lots of bulk limestone trains appearing on a layout near you soon! (BJ)

REVIEW VERDICT

PROS. Great attention to detail, shape, price.
CONS. Nothing of note.

LOOKS	9
FEATURES	8
BUILD QUALITY	9
DECORATION	10
VALUE FOR MONEY	10

92%

The club room

Be a part of the *Model Rail* community – get involved today.

E-mail: theclubroom@bauermedia.co.uk

The guest chairman

Andy Miles, chairman of the High Wycombe and District Model Railway Society, gives readers an insight into the club behind the Wycrail Exhibition.

Society: High Wycombe and District MRS

Established: 1971

Location: High Wycombe

Chairman: Andy Miles



CHRIS NEVARD

The foundations of HWD MRS can be traced back to 1971, when father and son duo Les and Roy Page organised a small exhibition to showcase the creations of general model makers and hobbyists.

From those humble beginnings the society was formed. Initially it met at the original Sands Village Hall in High Wycombe. This small group of members, some of whom are still with the society, then moved into the basement of Downley Village Hall, after which membership grew considerably.

But the premises were small and the ceilings were low – some members had stiff necks after working for a few hours in a space only five feet high. New premises were needed, and a move to the old Mill End Road school canteen followed.

The society made great strides during its time at Mill End, and having a permanent base meant members had time to construct larger layouts, encompassing 'OO', 'N', 'EM' and 'O' gauges. All scales were represented in British outline, but a few modellers built 'N' gauge and 'HO' scale American image layouts, and a number of new members built a portable 'O' gauge American layout.

Soon we had to move again, owing to the redevelopment of the Mill End site. Wycombe District Council offered us the use of Spring Gardens School library, and it became our new home, albeit on a temporary basis.

In 2002 Mill End also became subject to redevelopment. Urgent meetings were held and searches made, and a permanent home was found at Commercial Square, Leigh Street, where the society now resides.

Situated in an old industrial furniture factory, the society has grown accustomed to its new home. However, this area is now

subject to potential redevelopment too, so once again we are seeking new premises.

We currently have 11 layouts encompassing a range of scales and genres, including 'N', 'OO', 'HO', 'O' gauges and 16.5mm narrow gauge, covering both British and North American outlines. One of the layouts under construction is being undertaken by some of our junior members, who have been able to use skills they've learned in the Duke of Edinburgh award scheme. We also have a large multi-gauge test track layout.

One of our largest layouts is the 'OO' gauge 32ft by 10ft 'Hinton Parva', which operates at exhibitions in an hour-long sequence with 85 movements by more than 40 different trains. Due to its age (it's now over 25 years old) it's in the process of being retired and replaced by a new, similar sized layout. Utilising the full benefits of DCC and computerised control systems, the new layout is based on Oxford in the 1950s.

We are the organisers of the annual Wycrail Exhibition, now in its 46th year, and held on the first Saturday in November. Over the years it has built up a reputation for being one of the largest and best quality one-day exhibitions in the south of England.

We now have over 60 members, with ages ranging from eight to 80. We hold regular evening meetings to enable members to learn and practise new skills.

Our primary meetings are held on Monday and Wednesday evenings, and Thursday mornings, although we have access to our club rooms seven days a week so members can always make use of our facilities, such as a fully equipped workshop to work on the society's layouts or their own projects.

New members are always welcome and we are happy to show visitors around.

Events

What: Wycrail Exhibition

When: November 3 2018, 1000-1700

Where: The Cressex Community School, Holmers Lane, High Wycombe, Buckinghamshire HP12 4UD

How much? Adults £6.00, Children £4.00, Family £13.00

Web: www.hwdmrs.org.uk/wycrail



'Oxford' HWD MRS

Premises

Address: Block A, Top Floor, Commercial Square, Leigh Street, High Wycombe HP11 2RH

E-mail: hwdmrs.secretary@gmail.com

Web: www.hwdmrs.org.uk

Club Meetings

Monday: 1900-2200

Wednesday: 1900-2200

Thursday: 1000-1200

Membership fees

Full: £13.00 per month

It's your letters

A burning issue...

I have always assumed that since we use low power to run our layouts, there was no danger of starting a fire. After 20 years of modelling I now know this isn't true. I have a small layout that has a three-quarter circle of track made from second radius Peco setrack. I'd noticed a burning smell while running it, but couldn't find out where it was coming from. Then, one day, I was following a running locomotive around the layout and saw a bright light at one of the joiners... it was on fire!

Stripping it out, I discovered that the joiner was heating up and glowing like an electric fire. The joiner was a loose fit, and my assumption was that it had been arcing. The plastic sleepers in the area showed that they have been subjected to high temperatures.

Had this occurred in my tunnel section, which again is a three-quarter radius circle, then the outcome could

have been much worse. I generally switch things off on the DCC controller, but after this near-miss I've made alterations so that I can switch everything off at the mains.

Philip Davies

Memories of the Middy

I would like to thank *Model Rail* for both providing a reminder of my childhood and giving me the inspiration for my new 6ft by 4ft layout (Masterplan, 'Middleton Mix', MR246, page 74). I was raised in a house situated close to where the line crossed Belle Isle road. I had to cross the previous bridge over the line on my way to school. My granddad used to take me on a tram ride to Middleton, from where the 'Middy' line crossed the tram tracks. Sadly, the area has now been cleared to make way for the M621.

Geoff Walker

Present Your Case MR245

Your views on the Metropolitan Railway/London Transport Beyer Peacock 4-4-0T

A fine piece of engineering in a bold livery.

Roger Giles

A great piece of engineering for the time. It was one of the first London Underground steam engines - I'm lucky enough to have my own.

Matt Wickham

Ran on the Brill Tramway, Nidd Valley Light Railway and several industrial sites, so it wasn't just confined to the Met main line. I'd buy one!

Kym Norley

Club News

The Sleaford and District Model Railway Club has moved to the Parkfield Sports Hall in Ruskington. This has been made necessary because the club had outgrown the space available at Osbournby. The club meets on Wednesdays between 1900 and 2200, and is welcoming new members.



'Diddington'. CHRIS NEVARD

Caption That Pic!

Our Facebook community has been busy coming up with barmy suggestions to caption the photograph below. The reader who made us chuckle the most this month was Matthew Stirling. Keep an eye on our Facebook page for more amusing pictures for you to caption - but remember, it's just for fun!



What's that you're drinking Bert?

The usual Fred, chocolate and cream... chocolate and flipping cream.

Matthew Stirling

Last month's responses

"If you think I'm spendin' eight hours on the footplate with you and that stinkin' cold you've got another think comin' mate!"

Richard Hubbard

"Well, we can't both wear the same outfit! One of us is going to have to go home and change..."

Jim Smith-Wright

"Nice handbag, but it doesn't really match your shoes!"

Veronica Silverwood

"Did ModelU tell you it was a safe process as well?"

Simon Moppett

"GWR again? But you promised me that this month would be Caledonian!"

David Virgo

"Are you sure they're this week's lottery numbers?"

Ian Smith

"That mug is always in your mouth Tom..."

Dave Clarke

Show & Tell

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



Southern Scene

Paul Page, by e-mail

'Southern Scene' is a 'OO' gauge end-to-end layout that depicts a fictional line between Folkestone West and Canterbury. It focuses on the area around Capel-le-Ferne in 1956 and includes an aerodrome loosely based on Hawkinge.

My inspiration for modelling the Southern Region, and this location in particular, is my family's links to the area. My father, grandfather and great grandfather were all, at some time, drivers or supervisors on the Southern.

The layout features full lighting on all buildings and on the platforms, and the buildings are either entirely scratchbuilt (such as the bridge, aerodrome hangar and wooden-slat station building) or heavily modified kits. I've only got three locomotives at the moment: Ivatt '2MT' No. 41310, 'Battle of Britain' No. 34081 92 Squadron and 'Merchant Navy' No. 35020 *Bibby Line*.

Further plans include an extension on the other side of the bridge that will depict Southern Region London in the mid-1980s, and the railway as I remember it.



'Tidewater Electric Railway'

Brian Cudahy,
South Carolina

A Heljan Class 128 parcels car is in use here in the US state of South Carolina. The back story for it is that the Hudson & Tidewater Railroad and Tidewater Electric Railway has long been enamoured with British designs, and so its management has bought some surplus BR units.

Parcels traffic seems to be thriving on this railroad, as there's a Class 419 MLV in action on this side of the Atlantic too.



Fantasy 'Footballer'

Dave Kitson, by e-mail

Two full-size replicas of Gresley's 'B17' 4-6-0 are under construction here, with No. 61673, taking a new number. In real life this new-build locomotive is to take the name *Spirit of Sandringham*, but reader Dave Kitson decided to keep the football club theme going with the name *Wolverhampton Wanderers*. He's also fitted No. 61673 with a Giesl ejector and chimney.

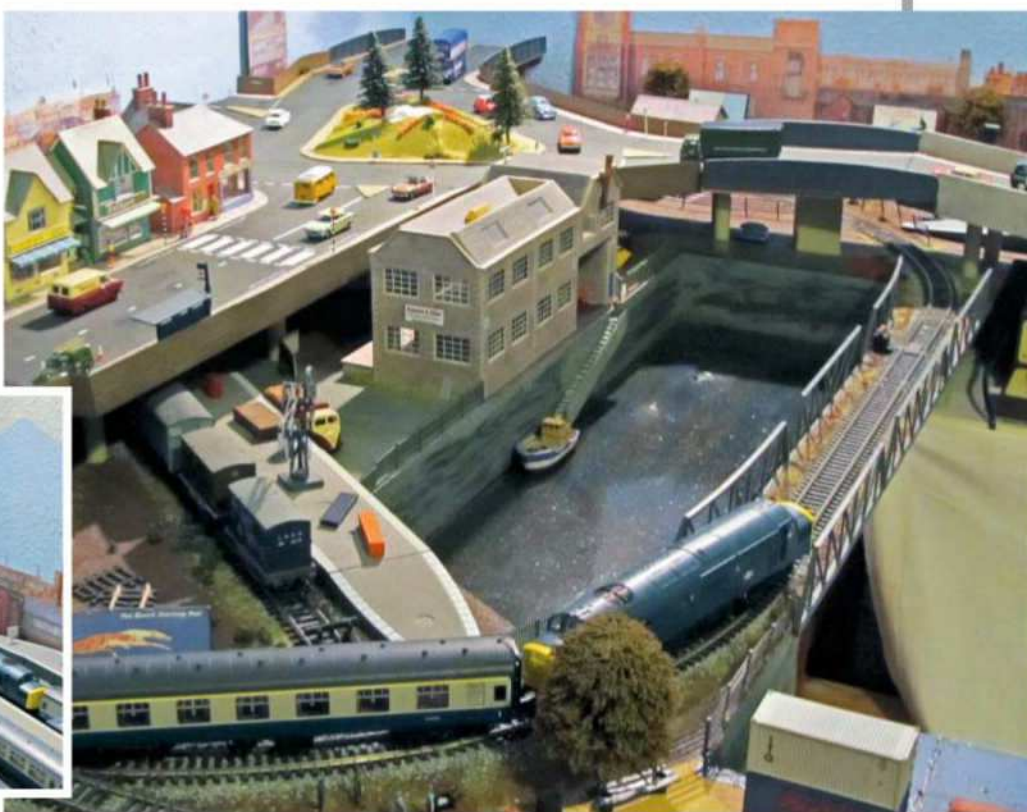
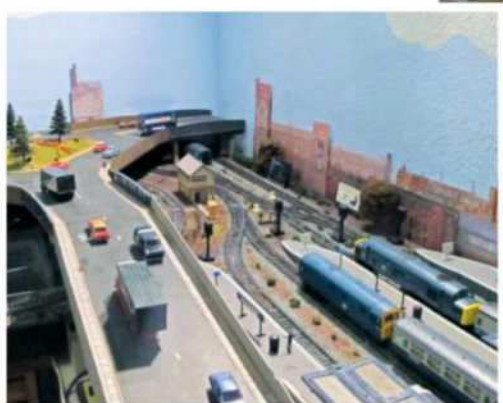
'Northport'

John Dawson, Chelmsford

This is my second layout since returning to the hobby about ten years ago.

'Northport' is a fictitious town because it's in the East Midlands, yet it incorporates a harbour.

I have managed to fit a complete loop and a four-platform terminus, plus a small freight depot into a 9ft by 6ft space. It's an analogue layout and is set in the Rail blue era of the 1970s and 1980s.





Exhibition Diary

What's coming up in your
neck of the woods...

APRIL 14-15

WAKEFIELD. Scalefour Society MRE. Queen Elizabeth Grammar School, 154 Northgate, Wakefield WF1 3QX. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £7, Member £6. **Web:** www.scalefour.org/scalefournorth/2018

APRIL 21

TWICKENHAM. TDMRC. Twickenham Library, Garfield Road, Twickenham TW2 3JT. **Time:** 1000-1530. **Tel:** 01932 783253. **E-mail:** chairman.tdmrc@gmail.com

APRIL 28

BENFLEET, ESSEX. St Mary's MRC MRE. St Mary's Church Hall, 376 High Road, Benfleet SS7 5HL. **Time:** 1000-1600. **Admission:** Adult £3. **Tel:** 01277 225206. **E-mail:** robinsnestfrench@btinternet.com

RYE, SUSSEX. Rye MRS. Rye College, The Grove, Rye TN31 7NQ. **Time:** 1000-1630.

SOUTHPORT. Southport MRC MRE, All Saints Parish Hall, Park Road, Southport PR9 9JP. **Time:** 1000-1630. **Admission:** Adult £4.50, Child £1. **Tel:** 07748 760686. **E-mail:** drjimford@btinternet.com

APRIL 28-29

BONNYBRIDGE, STIRLINGSHIRE. Bonnybridge MRC/Scottish Diesel & Electric Group MRE. Bonnybridge Community Centre, Bridge St, Bonnybridge FK4 1AA. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £5, Child £2, Family £12. **Tel:** 07708 226042.

EWELL, SURREY. Epsom & Ewell MRC The Epsom Show. North East Surrey College of Technology (NESCOT), Reigate Road, Ewell KT17 3DS. **Time:** Sat 1000-1730, Sun 1000-1700. **Admission:** Adult £7. **Tel:** 01483 576274. **Web:** www.eemrc.org.uk

ROMFORD, ESSEX. Ilford & West Essex MRC MRE. St Edwards School, London Road, Romford RM7 9NX. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £6, Concessions £5, Child £3, Family £15. **Web:** www.iwemrc.org.uk

SHEFFIELD. Neepsend MRS MRE. Park Centre, Samson St, Sheffield S2 5QT. **Time:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £5, Child £2, Family £12. **Web:** www.neepsendmrs.weebly.com

SUTTON COLDFIELD. Sutton Coldfield Railway Society, Bishop Walsh School, Wyld Green Road, Sutton Coldfield B76 1QT. **Time:** Sat 1000-1700, Sun 1000-1600. **Web:** www.scrs.club

APRIL 29

DERBY. The French Railways Society MRS. The Aston Court Hotel, Midland Road, Derby DE1 2SL. **Time:** 1000-1645. **Admission:** Adult £3.50. **E-mail:** roger.allen1@btinternet.com **Web:** www.frenchrailwaysociety.org

SKELTON, CLEVELAND. Cleveland MRC MRE. Unit 2, The B-Hive, Skelton Industrial Estate, Skelton, Cleveland TS12 2LQ. **Time:** 1000-1600. **Admission:** Adult £1, Child 50p. **Tel:** 07864 880242. **Web:** www.cmrc.club

APRIL 30

KEIGHLEY. Keighley MRC Open Day. The Clubrooms, Knowle Mills, South St, Keighley BD21 1SY. **Time:** 1000-1630. **Admission:** Adult £3.50, Child £2.50.

MAY 5

CHELMSFORD. Billericay MRG MRE. Galleywood Heritage Centre, The Common, Galleywood, Chelmsford CM2 8TR. **Time:** 1000-1700. **Admission:** Adult £5, Concession £4.50, Child £3. **Web:** www.billericaymrg.org

LUDLOW. Craven Arms & District MRC MRE. Ludlow Racecourse, Bromfield SY8 2BT. **Time:** 1000-1600. **Admission:** Adult £3, Child £2. **Tel:** 01588 672145.

EWELL, SURREY. Epsom & Ewell MRC Open Day. Ruxley Church, Ruxley Lane, West Ewell KT19 0JG. **Time:** 1100-1700. **Tel:** 01483 576274. **Web:** www.eemrc.org.uk

BIRMINGHAM. Birmingham MRC Open Day. Brueton Hall, Cadbury Drive (off Farnborough Road) Castle Vale B35 7JE. **Time:** 1100-1600. **Admission:** Adult £1, Child 50p. **Tel:** 077669 23361. **E-mail:** mrcbirmingham@gmail.com

SCARBOROUGH. Scarborough MRS. Westborough Methodist Church, Westborough, Scarborough YO11 1TS. **Time:** 1000-1630. **Admission:** £3. **E-mail:** martin4dl@btinternet.com

MAY 5-6

BRADFORD. Bradford MRC MRE. Sedbergh Centre, Huddersfield Road, Odsal, Bradford, Yorks BD6 1DJ. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £4.50, Child £1.50, Family £10. **Tel:** 0794 1553307. **Web:** www.bradfordmrc.org.uk

MAY 6

ASHMANHAUGH, NORWICH. Ashmanhaugh Light Railway Open Day. East View Farm, Stone Lane, Ashmanhaugh NR12 8YW. 1400-1700. **Web:** www.ashmanhaughlightrailway.co.uk

BREDGAR, KENT. Bredgar & Wormshill MRE. Bredgar & Wormshill Light Railway, Sittingbourne ME9 8AT. **Time:** 1030-1630. **Admission:** Adult £10, Child £4, Family £25.

BROXBORNE, HERTS. Hoddesdon MRC MRE. The Old Mill, Mill Lane, Broxbourne EN10 7AX. **Time:** 1000-1600. **Admission:** Adult £2, Child £1. **Tel:** 01707 898420. **Web:** www.hoddesdonmrc.org.uk

MAY 7

HORSHAM, W. SUSSEX. Horsham MRC Open Day. St Leonards Church Hall, Cambridge Road, Horsham RH13 5ED. **Time:** 1000-1600. **Admission:** Adult £1. **Tel:** 01403 269397. **Web:** www.horshammrc.org.uk

MAY 12

BLOXWICH, W. MIDS. Bloxwich (St John's) MRC. St John's Methodist Church, Victoria Ave, Bloxwich WS3 3HS. **Time:** 1000-1630. **Admission:** Adult £4, Child £2. **Tel:** 07970 390258. **E-mail:** bloxwichstjohnsmrc@gmail.com

BUSHEY, HERTS. The South West Herts MRS MRE. Queens School, Aldenham Rad, Bushey, Herts WD23 2TY. **Time:** 1000-1630. **Admission:** Adult £6, Child £3. **Tel:** 0778 382 3457. **Web:** www.southwesthertsmrs.org.uk

HEXHAM, NORTHUMBERLAND. Hexham MRS. Hexham Auction Mart, Tyne Green, Hexham NE46 3SG. **Time:** 1000-1600. **Admission:** Adult £3, Child £1. **Tel:** 07919 368418.

HEYWOOD, LANCs. Heywood MRC

Open Day. Club Rooms, Unit 4, Park Works, River St, Heywood OL10 4AB. **Time:** 1000-1600. **Web:** www.hmrg.co.uk

PORTSMOUTH. Victory MRC MRE. Admiral Lord Nelson School, Dundas Lane, Portsmouth PO3 5XT. **Time:** 1000-1630. **Admission:** Adult £5, Child £2, Family £12. **Tel:** 07979 594926. **E-mail:** njohn.hopkins858@gmail.com

STAMFORD, LINCs. Market Deeping MRC Stamford MRS. Stamford Welland Academy, Green Lane, Stamford PE9 1HE. **Time:** 1000-1630. **Admission:** Adult £4, Child £2, Family £10.

READING. Loddon Vale MRC MRE. Swallowfield Parish Hall, Swallowfield St, Reading RG7 1QX. **Time:** 1000-1630. **Admission:** Adult £4, Child £2, Family £9. **Tel:** 07917 669235. **Web:** www.lvrmc.co.uk

MAY 12-13

DERBY. Derby MRE. The Roundhouse, Roundhouse Rd, Pride Park, Derby DE24 8JE. **Time:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £8. **Tel:** 07973 640746. **Web:** www.mmrg.org.uk

GLENROTHES, FIFE. Glenrothes MRC MRE. Lomond Centre, Woodside Way, Glenrothes KY7 5RA. **Time:** Sat 1000-1700, Sun 1030-1630. **Admission:** Adult £4, Senior £3, Child £2, Family £11. **Tel:** 01334 475311.

SCUNTHORPE. Scunthorpe Modern Image Railway Group MRE. St Pauls Church Hall, Ashby High St, Scunthorpe DN16 2JR. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £3.50, Concessions £3, Child £2, Family £9. **E-mail:** peterfawcett125@yahoo.co.uk **Web:** www.smrg.co.uk

MAY 19

ELY, CAMBS. Ely & District MRC MRE. City of Ely Community College, Downham Road, Ely CB6 2SH. **Time:** 1030-1630. **Admission:** Adult £5, Child £3. **Tel:** 01353 721280. **Web:** www.elymrc.org.uk

LITTLEHAMPTON, W. SUSSEX. The Southdowns Group of the 7mm Narrow Gauge Association MRE. The Littlehampton Academy, Fitzalan Rd, Littlehampton BN17 6FE. **Time:** 1000-1630. **Admission:** Adult £6. Members £5. **Tel:** 07970 556651. **Web:** www.swingmodel-railway.org.uk

LUTTERWORTH. Lutterworth Railway Society MRE. The Wycliffe Rooms, George St, Lutterworth LE17 4ED. **Time:** 1000-1630. **Admission:** Adult £4, Child £2, Family £8. **Tel:** 01788 310354. **Web:** www.lutterworthrailwaysociety.co.uk

MIRFIELD, YORKS. Mirfield West Yorkshire Team Parish Music Guild MRE. St Mary's Community Centre, Church Lane, Mirfield WF14 9HU. **Time:** 1000-1600. **Admission:** Adult £4, Child £2. **Tel:** 01924 495929. **E-mail:** Mrs.Drainsfield@btinternet.com

TUNBRIDGE WELLS. Tunbridge Wells MRS. Southborough Primary School, Broomhill Park Road, Southborough, Royal Tunbridge Wells, Kent TN4 0JY. **Time:** 1000-1630.

MAY 19-20

BRACKNELL, BERKS. The EM Gauge Society Expo EM Spring 2018. Bracknell Leisure Centre, Bagshot Road, Bracknell RG12 9SE. **Time:** Sat 1030-1730, Sun 1000-1630. **Admission (two-day pass):** Adult £9, Child £2, EMGS £7, Family £16. **E-mail:** expoem@emgs.org **Web:** www.emgs.org

IMMINGHAM. Immingham MRS. Immingham Museum, Civic Centre,

Pelham Road, Immingham DN40 1QF. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £3, Child £1, Family £7. **E-mail:** admin@imminghammuseum.org **Web:** www.imminghammuseum.org

TROON, AYRSHIRE. Kyle MRC MRE. Walker Hall, Municipal Buildings, 8 South Beach, Troon, South Ayrshire KA10 6EF. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £4, Child/Concession £3, Family £11. **Tel:** 07751 044984.

SALISBURY. Salisbury & South Wilts Railway Society MRE. Michael Herbert Hall, South Street, Wilton SP2 0JS. **Time:** 1030-1630. **Admission:** Adult £5, Child £2. **Time:** 07768 448369. **Web:** www.sswrs.org.uk

MAY 25-26

BANGOR, CO. DOWN. First Bangor MRC MRE. First Bangor Presbyterian Church Halls, Upper Main St, Bangor, Co. Down BT20 4AG. **Time:** Fri 1900-2130, Sat 1000-1630. **Admission:** Adult £5, Concession £3, Child £2, Family £10. **Tel:** 02891 455363. **E-mail:** secretary@firstbangormrc.co.uk

MAY 26

DULWICH, LONDON. Dulwich MRS. James Allen's Girls School, 144 East Dulwich Grove SE22 8TE. **Time:** 1000-1630.

MAY 26-27

AYLESBURY. Railax 2018. Stoke Mandeville Stadium, Stadium Approach, Aylesbury HP21 9PP. **Time:** Sat 1030-1730, Sun 1000-1700. **Admission:** Adult £9, Child £5. **Web:** www.railax.org.uk

BROCKENHURST, HANTS. New Forest MRS MRE. Brockenhurst Village Hall, Highwood Rd., SO42 7RY. **Time:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £5, Child £3, Family £13. **Tel:** 01425 673668.

MAY 26-28

BALA, GWYNEDD. Bala Lake Railway MRE. Ysgol y Berwyn, Bala School, Frydan Rd, Bala LL23 7RU. **Time:** Sat & Sun 1000-1700, Mon 1000-1530. **Admission:** Adult £5. **Web:** www.bala-lake-railway.co.uk

MAY 27-28

LEICESTER. The Leicester MRG open days. Clubroom, Main Street (Sibley end), Cossington. **Time:** 1100-1700. **Admission:** £5.

JUNE 2

BILSTON, W. MIDS. West Bromwich MRC MRE. Bilston Sports and Social Club, Wellington Road, Bilston WV14 6AY. **Time:** 1000-1500. **Admission:** Adult £4. **Tel:** 0121 559 5673. **E-mail:** lanmiles1@outlook.com

LEICESTER. Lionel Collectors Club UK Exhibition. Trinity Methodist Church, Narborough Rd, Leicester LE3 2RD. **Time:** 1000-1600. **Admission:** Adult £3. **Tel:** 0116 233 34843. **E-mail:** ps.dracycott@outlook.com

JUNE 2-3

SHILDON. Shildon MRC MRE. The Locomotion Museum, Shildon DL4 2RE. **Time:** Sat 1000-1700, Sun 1000-1700. **Admission:** Free. **Tel:** 07720 975208. **E-mail:** SMRC_liz@yahoo.com

JUNE 3

ASHMANHAUGH, NORWICH. See May 6.

JUNE 9

BIGGLESWADE, BEDS. Trains at Trinity 2018 Model Railway and Vintage Toy Show. Trinity Methodist Church, Shortmead Street, Biggleswade SG18 0AP. **Time:** 1030-1630. **Admission:** Adult £4, Concession £3.



Sean Healey's fine modern image layout 'Forrestone' will be one of the stars at the 2018 International N Gauge Show on September 8/9. CHRIS NEVARD

GLASGOW. Strathclyde O Gauge Group. Pollokshaws Burgh Halls, 2025 Pollokshaws Road, Glasgow G43 1NE. **Time:** Sat 1000-1600, Sun 1100-1600. **Admission:** Adult £6. **Tel:** 0141 637 4189. **E-mail:** wcampbell23@yahoo.co.uk

HEYWOOD, LANCs. See May 12.

YIEWSLEY, LONDON. Hillingdon Railway Modellers Test Track Open Day. Yiewsley Baptist Church Hall, 74 Colham Ave, Yiewsley, Hillingdon UB7 8HF. **Time:** 1000-1600. **Admission:** £4. **Tel:** 020 8368 4090. **Web:** www.hillingdonrailwaymodellers.co.uk

JUNE 9-10

BAKEWELL. The Peak MRE. The Agricultural Centre, Bakewell DE45 1AH. **Time:** 1000-1700. **Admission:** Adult £5, Concession £4, Family £12. **E-mail:** enquiries@chesterfieldrailwaymodellers.co.uk

JUNE 16

ARUNDEL. Arundel MRS. Cathedral Centre, London Road (corner of Mt Pleasant), Arundel BN18 9AY.

GAINSBOROUGH, LINCs. Gainsborough MRS Open Day. Florence Terrace, Gainsborough DN21 1BE. **Time:** 1030-1730. **Admission:** Adult £4, Senior £3, Family £10. **Tel:** 01427 610475. **Web:** www.gainsboroughmodelrailway.co.uk

HUCCLECOTE, GLOS. Hucclecote Methodist Church MRE. Carisbrooke Road, Hucclecote GL3 3QP. **Time:** 1000-1700. **Admission:** Adult £4. **E-mail:** info@hucclecotemc.org.uk **Web:** www.hmcmsr.org.uk

JUNE 16-17

MERE, WILTS. Mere MRE. Mere Lecture Hall, Salisbury Rd, BA12 6HA. **Time:** 1000-1600. **Admission:** Adult £4. **Tel:** 01747 861977. **Web:** www.mererrailwaymodellers.co.uk

JUNE 23-24

ROMSEY, HANTS. Romsey and District RMS. Crosfield Hall, Romsey SO51 8GL. **Time:** Sat 1030-1700, Sun 1000-1630. **Admission:** Adult £4, Child £2, Family £10. **Tel:** 01794 514861. **Web:** www.rdrms.com

JUNE 30-JULY 1

GATESHEAD. North East England N Gauge Show. Gateshead Masonic Hall, Alexandra Road, Gateshead NE8 1RB. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £3, Child £1.50, Family £5. **Tel:** 01325 480686.

EXETER. EXE MRS MRE. The Matford Centre, Matford Park Road, Marsh Barton EX2 8FD. **Time:** Sat 1000-1700, Sun 1000-1600. **Tel:** 01392 421906. **Web:** www.exemrsc.co.uk

JULY 1

ASHMANHAUGH, NORWICH. See May 6.

JULY 4

HEYWOOD, LANCs. See May 12.

JULY 7

CONWY, N. WALES. NW Area Group Society. Ysgol Porth y Felin, Llanrwst Rd., Conwy LL32 8FZ. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £4, Child £2. **Tel:** 07703 393900. **E-mail:** athoath@ntlworld.com

JULY 7-8

BURNLEY. Pendle Forest MRS Summer Show. Masonic Hall, Nelson Square, Burnley BB11 1LA. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £3, Concessions £2.50. Child £2, Family £8. **Tel:** 07770 331348. **E-mail:** cartersdad4jc@gmail.com **Web:** www.pfmrs.org.uk

JULY 21

FILEY, YORKS. Filey MRS. St Johns Church, West Ave., Filey YO14 9AU. **Time:** 1000-1630. **Tel:** 01723 870166.

STIBBARD, NORFOLK. Stibbard Village Hall & Methodist Church Model Rail, Guist Bottom Rd, Stibbard, Fakenham NR21 0AQ. **Time:** 1000-1630. **Admission:** Adult £3.50, Concessions £3. **Tel:** 01328 829185. **E-mail:** bert_etherington@msn.com

JULY 22

GAINSBOROUGH, LINCs. See June 16.

JULY 28

BRIDPORT, DORSET. Bridport & District MRC MRE. Sir John Colfox Academy, Ridgeway, Bridport DT6 3DT. **Time:** 1000-1600. **Admission:** Adult £5, Child £1. **Tel:** 01308 861754. **E-mail:** R_Ahrens@outlook.com

AUGUST 5

ASHMANHAUGH, NORWICH. See May 6.

AUGUST 11

HEYWOOD, LANCs. See May 12.

AUGUST 18-19

ROSS ON WYE. The Rotary Club of Ross on Wye MRE. John Kyrie High School, Ledbury Road, Ross on Wye HR9 7ET. **Time:** 1000-1600. **Admission:** Adult £4, Child £3, Family £10. **Tel:** 01594 543330. **E-mail:** braincole06@btinternet.com

AUGUST 25

YIEWSLEY, LONDON. See June 9

AUGUST 25-26

HIGHBRIDGE, SOMERSET. Burnham & District MRC MRE Sedgemore Rail. King Alfred School, Burnham Road, Highbridge TA9 3EE. **Time:** 1000-1600 (both days). **Admission:** Adult £4. **Tel:** 01934 645386.

AUGUST 25-27

GAINSBOROUGH, LINCs. Gainsborough MRS Open Day. Florence Terrace, Gainsborough DN21 1BE. **Time:** Sat, Sun 1330-1730, Mon 1030-1730. **Admission:** Adult £4, Senior £3, Family £10. **Tel:** 01427 610475. **Web:** www.gainsboroughmodelrailway.co.uk

AUGUST 26

KEIGHLEY. Aire Valley Railway Modellers Club Open Day. Melbourne House, Dalton Lane, Keighley BD21 4LG. **Time:** 1000-1600. **E-mail:** info@avrmc.org.uk **Web:** www.avrmc.org.uk

SEPTEMBER 1

BURGESS HILL. Burgess Hill MRC MRE. Burgess Hill Girls, Keymer Road, Burgess Hill RH15 0EG. **Time:** 1000-1700. **Admission:** Adult £5, Child £3, Family £13.

SEPTEMBER 1-2

ALNWICK, NORTHUMBERLAND. Aln Valley Railway, Lionheart Business Park, NE66 2EZ. **Time:** 1030-1630. **Admission:** Adult £4, Child £2, Family £10. **Tel:** 01665 606168. **Web:** www.alnvalleyrailway.co.uk

SEPTEMBER 2

ASHMANHAUGH, NORWICH. See May 6.

SEPTEMBER 8

HEYWOOD, LANCs. See May 12.

Supported by **MODEL RAIL**

SEPTEMBER 8-9

INTERNATIONAL N GAUGE

SHOW. Warwickshire Event Centre, nr Leamington Spa CV31 1XN. Jct of A425/B4455. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission (online/door):** Adult £10/£10.50, Senior £9/£9.50, Child £4.50/£5. **Web:** www.ngaugheshow.co.uk

SEPTEMBER 15

KETTERING. Kettering & District MRS MRE. Greenfields Primary School, Kettering. **Time:** 1000-1600. **Web:** www.kdmrs.org.uk

SEPTEMBER 22

IPSWICH. Ipswich Railway Modellers Association. IRMA Club Rooms, 40a Norfolk Road, Ipswich IP1 6AR. **Time:** 1000-1300. **Web:** www.irma.org.uk

OCTOBER 7

ASHMANHAUGH, NORWICH. Ashmanhaugh Light Railway Open Day. East View Farm, Stone Lane, Ashmanhaugh NR12 8YW. 1400-1700. **Web:** www.ashmanhaughlightrailway.co.uk

GAINSBOROUGH, LINCs. Gainsborough MRS Open Day. Florence Terrace, Gainsborough DN21 1BE. **Time:** 1330-1730. **Admission:** Adult £4, Senior £3, Family £10. **Tel:** 01427 610475. **Web:** www.gainsboroughmodelrailway.co.uk

OCTOBER 13

HEYWOOD, LANCs. See May 12.

OCTOBER 27

YIEWSLEY, LONDON. See June 9.

NOVEMBER 10

HEYWOOD, LANCs. See May 12.

NOVEMBER 17-18

COLNE. Pendle Forest MRS MRE. Park High School, Venables Ave, Colne BB8 7DP. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £5, Concessions £4, Child £3, Family £14. **Tel:** 07770 331348. **E-mail:** cartersdad4jc@gmail.com

NOVEMBER 24-25

WARLEY NATIONAL MRE. NEC Birmingham. **Time:** Sat 0945-1800, Sun 0945-1700. **Web:** www.thewarleyshow.co.uk

DECEMBER 2

GAINSBOROUGH, LINCs. See October 7.

DECEMBER 8

HEYWOOD, LANCs. See May 12.

DECEMBER 8-9

HIGHBRIDGE, SOMERSET. Burnham & District MRC MRE Christmas Show. King Alfred School, Burnham Road, Highbridge TA9 3EE. **Time:** 1000-1600. **Admission:** £4. **Tel:** 01934 645386.

DECEMBER 15

YIEWSLEY, LONDON. Hillingdon Railway Modellers Test Track Open Day. Yiewsley Baptist Church Hall, 74 Colham Ave, Yiewsley, Hillingdon UB7 8HF. **Time:** 1000-1600. **Admission:** £4. **Tel:** 020 8368 4090. **Web:** www.hillingdonrailwaymodellers.co.uk

DECEMBER 22-30

GAINSBOROUGH, LINCs. Gainsborough MRS Open Days. Florence Terrace, Gainsborough DN21 1BE. **Time:** 1330-1730 (both days). **Admission:** Adult £4, Senior £3, Family £10. **Tel:** 01427 610475. **Web:** www.gainsboroughmodelrailway.co.uk

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 June 2018 issue should reach us by April 20 2018.

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



**IN STOCK
NOW**

MR-016

LNER 'Y3' No. 42, BR unlined
black, Engineer's Department
lettering (weathered)



MR-015

LMS Sentinel No. 47182, BR unlined
black, British Railways lettering

**LIMITED TO 250
PIECES EACH**



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

Great models at unbeatable prices

00
GAUGE

'USA' 0-6-0T

Tooling exclusive
to Model Rail

MODEL RAIL/BACHMANN USATC 'S100'

- ◆ Six-pin DCC socket
- ◆ Numerous detail differences between USATC 'S100' and Southern Railway 'USA'
- ◆ NEM coupler pockets
- ◆ Limited to 500 pieces each*
*MR-109/110 limited to 750 pieces

**DUE
2018**

MR-111

No. S73, BR unlined black with 'sunshine' lettering



MR-104A

No. 30064, BR lined green



**ARRIVING
SOON**

**RESERVE NOW
PAY ON DELIVERY**

**LIMITED
AVAILABILITY**

The new batch of
Model Rail Offer
'USA' tanks is
coming soon

Only £129.95

£116.95 price for
subscribers



MR-101

No. 1968, USATC black



MR-105

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



MR-107

No. 36, National Coal
Board black



MR-108

No. 72, Keighley & Worth
Valley Railway ochre



MR-109

No. 30067, BR unlined
black, late emblem



MR-110

No. DS237 Maunsell,
BR Departmental green

Price: £124.95 £112.46 price for
subscribers

IN STOCK NOW

MODEL RAIL OFFERS

ORDER AT WWW.MODELRAILOFFERS.CO.UK OR 01209 613984

00
GAUGE

CLASS 37

BACHMANN 32-775Y: 37068 GRAINFLOW,
RAILFREIGHT DISTRIBUTION GREY

- ◆ DCC ready
- ◆ Directional lights
- ◆ NEM coupler pockets
- ◆ Limited to 500 pieces
- ◆ 21-pin DCC socket
- ◆ Sprung buffers

Price: **£125.95** £112.50 price for subscribers



SOLD OUT

UNBEATABLE PRICE

00
GAUGE

CLASS 33/0

HELJAN 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



UNBEATABLE PRICE

00
GAUGE

CLASS 47/4

BACHMANN 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



UNBEATABLE PRICE

00
GAUGE

CLASS 66/0

BACHMANN 32-725WDS: 66062,
EURO CARGO RAIL MAROON/GOLD

- ◆ Modified front skirts with snowploughs
- ◆ Extra printed detail
- ◆ Sound-fitted
- ◆ Directional lights
- ◆ 21-pin decoder socket
- ◆ Interior cab lights
- ◆ Sprung buffers
- ◆ NEM coupler pockets
- ◆ Limited to 250 pieces

Price: **£261.95** £235.75 price for subscribers



LIMITED SUPPLY WITHOUT SOUND!
We have a very limited supply of 66062s without sound! (subscribers), these won't hang around for long, so place your order today!

00
GAUGE

CLASS 128

HELJAN 89431: 'RED STAR'
EXPRESS PARCELS 55993

- ◆ DCC ready
- ◆ 21-pin socket
- ◆ NEM coupler pocket
- ◆ Directional lights
- ◆ Limited to 300 pieces

Price: **£139.95** £125.95 price for subscribers



JUST 4 LEFT

00
GAUGE

'PILLBOX' BRAKE VAN

BACHMANN 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

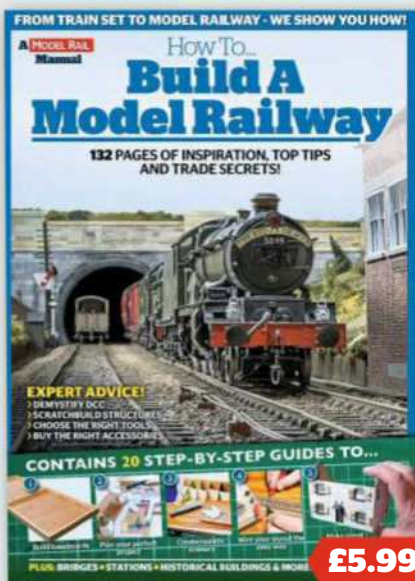
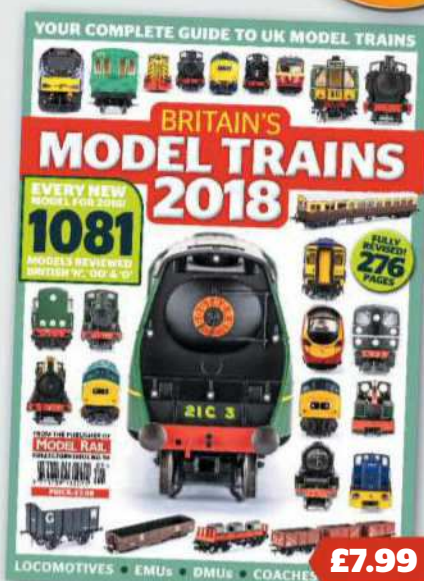


00
GAUGE**LNER 'J70'**Tooling exclusive
to *Model Rail***MODEL RAIL/RAPIDO LNER 'J70' 0-6-0T**

- ◆ Coreless motor
- ◆ Tension lock couplers in NEM pockets
- ◆ Sprung buffers, with two types of buffershank
- ◆ Full sideplates, without sideplates and with cowcatchers only
- ◆ Next18 DCC socket
- ◆ Replacement cowcatchers with no coupling aperture
- ◆ Choice of opened and closed nose-end doors
- ◆ Each limited to 500 pieces

Only £127.50**£114.75** price for subscribers**DUE IN
SOON****MODELS YOU
CAN ORDER****MR-201** No. 68219, BR early emblem, cowcatchers only**MR-202** No. 68222, BR early emblem, full skirts**MR-203** No. 68225, BR early emblem, weathered, no skirts**MR-204** No. 68226, British Railways lettering, no skirts**MR-205** No. 68223, British Railways lettering, full skirts**MR-206** No. 7128, LNER wartime livery, full skirts**MR-207** No. 8223, LNER post-war livery, full skirts**MR-208** No. 7126, LNER lined livery, no skirts**MR-209** No. 7137, LNER unlined livery, full skirts**MR-210** No. 7139, LNER lined livery, cowcatchers only**MODEL RAIL EXCLUSIVE PUBLICATIONS**

Have you read *Model Rail* cover to cover? Do you need another fix of your favourite magazine to fill the next three weeks? Then why not choose from our selection of *Model Rail* Extra publications?

**BMT
GET YOUR
COPY
TODAY****NEW
VOLUME 3
2017
EDITION****£5.99****£5.99****£7.99****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
MAY
10

'Wickwar'

We turn the clock back to the 1950s as we visit Farnham & District MRC's take on the Gloucestershire station of Wickwar, which includes the village's famous brewery.

STEP INTO SPRING

We celebrate the longer days and lush greenery in our spring special. Our experts show you how to create the most realistic trees, landscapes and fauna. **PLUS:** Model holiday trains AND learn how to spring-clean your layout.

NEVER
MISS AN
ISSUE!

Turn to page 18 for
details of our great
subscription
offer

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 468171
Marketing Manager: Lynne Fairburn
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

BAUER CONSUMER MEDIA

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



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 Bauer Consumer Media Limited, registered in England and Wales with company number 01176085, registered address Media House, Peterborough Business Park, Lynchwood, Peterborough PE2 6EA, VAT no. 918 5617 01.

COMPLAINTS: Bauer Consumer Media Limited is a member of the Independent Press Standards Organisation (www.ipsa.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 Bauer. All material published remains the copyright of Bauer 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 Bauer Media, whether unsolicited or requested, is taken as permission to publish that material in the magazine, on the associated website, any apps or social media pages affiliated to the magazine, and any editions of the magazine published by our licensees elsewhere in the world. By submitting any material to us you are confirming that the material is your own original work or that you have permission from the copyright owner to use the material and to authorise Bauer to use it as described in this paragraph. You also promise that you have permission from anyone featured or referred to in the submitted material to it being used by Bauer. If Bauer 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 Bauer 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, Bauer 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.



accurascale

BRITISH RAILWAYS HOP24/HUO 24.5T HOPPER WAGONS

Pre-TOPS freight grey versions due Q2 2018 (other variants due later this year)



SET A (ACC1000-HUO-A)

B333635 [route information blanked out]

B335009 [route information blanked out]

B335539 [route information blanked out]



SET B (ACC1001-HUO-B)

B333897 "Load only to Stella North/South Dunston/Blyth power stations"

B334155 "Load only to Stella North/South Dunston/Blyth power stations"

B334160 "Load only to Stella North/South Dunston/Blyth power stations"

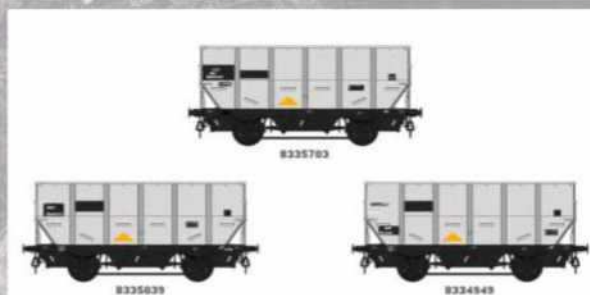


SET C (ACC1002-HUO-C)

B334429 "Load only to Kincardine power station SC Region"

B334438 [route information blanked out]

B334548 "Load only to Kincardine power station SC Region"



SET D (ACC1003-HUO-D)

B335703 [route information blanked out]

B335039 [route information blanked out]

B334949 [route information blanked out]



SET E (ACC1010-HUO-E)

B336817 "Load only to Thorpe Marsh power station (Yorks) N.E.R."

B336937 "Load only to Thorpe Marsh power station (Yorks) N.E.R."

B337128 "Load only to Thorpe Marsh power station (Yorks) N.E.R."

£59.95 per set or buy all five for £275!

Orders now being taken online at www.accurascale.co.uk

Free shipping to the United Kingdom and Ireland on orders over £100

More product announcements will be made throughout 2018!

Hatton's Exclusives

All Available To Pre-order Now

Hatton's OO Gauge Exclusives

SECR P Class 0-6-0T

Pre-order for £99

www.hattons.co.uk/pclass

Produced exclusively by Hatton's



Due in Stock: May 2018

H4-P-001 - 178 in SE&CR full lined green (with brass)

H4-P-002 - 753 in SE&CR full lined green (with brass)

Due in Stock: 20th March 2018

H4-P-003 - 754 in SE&CR grey

H4-P-004 - A325 in SR lined Maunsell green with Maunsell lettering

H4-P-005 - 1555 in SR black with Egyptian lettering

H4-P-006 - 1558 in SE black with sunshine lettering

H4-P-007 - 31027 in BR black with early emblem

H4-P-008 - 31323 in BR black with late crest

H4-P-009 - "Pioneer II" in Bowaters Paper Mill green

H4-P-010 - "Pride of Sussex" in Robertsbridge Flour Mill green

H4-P-011 - 27 "Primrose" in Bluebell Railway lined black 1960s)

H4-P-012 - 323 "Bluebell" in Bluebell Railway lined blue (2010s)



Andrew Barclay 14" & 16" 0-4-0ST

Pre-order for £99

Due in Stock: 9th April 2018

www.hattons.co.uk/barclay

Produced exclusively by Hatton's



H4-AB14-001 - 14" 2047 '705' in BR black with early crest

H4-AB14-002 - 14" 2047 '705' in GWR green with shirtbutton roundel

H4-AB14-003 - 14" 2134 "Coronation" in lined green

H4-AB14-004 - 14" 1863 in Caledonian Railway lined blue

H4-AB14-005 - 14" 2134 WTT in lined green



H4-AB14-006 - 14" 2069 "Little Barford" in Acton Lane Power Station blue with wasp stripes

H4-AB14-007 - 14" 1927 'No.1' in Burnley Corporation Gas Department blue

H4-AB14-008 - 14" 2134 'No.3' in Fina lined blue

H4-AB16-001 - 16" 2244 'No.10' in NCB lined black

H4-AB16-002 - 16" 2043 'No.6' in NCB green

H4-AB16-003 - 16" 2226 "Katie" in lined maroon

H4-AB16-004 - 16" 1964 in CPC UK blue

Beilhack ZZA Snowplough

Pre-order for £43

Due: Q2 2018

www.hattons.co.uk/beilhack

Produced exclusively by Hatton's



ex Class 40 bogies

H4-BH-001 ADB965576 in BR yellow

H4-BH-002 ADB965577 in BR yellow

H4-BH-003 ADB965578 in BR yellow

H4-BH-004 ADB965579 in BR yellow "Stratford Shark"

H4-BH-005 ADB965580 in Railtrack Black

H4-BH-006 ADB965581 in Railtrack Black

H4-BH-007 ADB965578 in Network Rail black

H4-BH-008 ADB965579 in Network Rail black

ex Class 45 bogies

H4-BH-005 ADB966098 in BR yellow with NSE Branding

H4-BH-006 ADB966099 in BR yellow with NSE Branding

H4-BH-011 ADB966098 in Network Rail black

H4-BH-012 ADB966099 in Network Rail black



Hatton's New Rolling Stock Announcements in OO

Rail Head Treatment Train (RHTT)

Due in Stock: November 2018

www.hattons.co.uk/RHTT

Produced exclusively by Hatton's



Water Tank Module Water Jetting Module Sandite Module

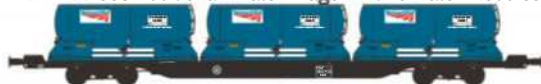


Pristine

H4-RHTT-001 'Sandite' with 2 wagons and sandite modules

H4-RHTT-002 'Water Jet' with 2 wagons and water jetting modules

H4-RHTT-003 Additional 'Water' wagon with 3 water modules



Weathered

H4-RHTT-004 'Sandite' with 2 wagons and sandite modules - weathered

H4-RHTT-005 'Water Jet' with 2 wagons and water jetting modules - weathered

H4-RHTT-006 Additional 'Water' wagon with 3 water modules

FEA Intermodal Wagon

Due in Stock: November 2018

www.hattons.co.uk/FEA

Produced exclusively by Hatton's



H4-FEAE-001 6410xx in Freightliner green

H4-FEAE-002 6410xx in Freightliner green

H4-FEAE-003 6410xx in Freightliner green

H4-FEAE-004 6410xx in Freightliner green



H4-FEAE-005 641015 in Freightliner green with track panel carriers



H4-FEAS-001 6406xx in GBRf blue

H4-FEAS-002 6406xx in GBRf blue

H4-FEAS-003 6406xx in GBRf blue

H4-FEAS-004 6406xx in GBRf blue



H4-FEAS-005 6409xx in GBRf/Metronet yellow with track panel carrier

H4-FEAS-006 6409xx in GBRf/Metronet yellow with track panel carrier

H4-FEAS-007 640931xx in TransPlant yellow

View all of our exclusive items at: www.hattons.co.uk/exclusives

UK P&P £4 Tracked & Signed
£7 P&P Guaranteed Next Day

See all future releases at:

Tel: 0151 733 3655 info@hattons.co.uk

17 Montague Road, Widnes, WA8 8FZ

Phones: Mon - Sat 7:30am to 6pm Sun 9am to 5pm

Store: Mon - Sun 9am to 5pm

20,000+ items available on www.hattons.co.uk



2018 Range Announced - see the full range at www.hattons.co.uk/hornby2018

SR 'Lord Nelson' 4-6-0

Pre-order from £136. TTS-fitted £156
Due in Stock: June 2018



R3603TTS 30850 "Lord Nelson" in BR green with late crest
- TTS sound fitted

R3634 851 "Sir Francis Drake" in Southern Railway olive green
R3635 30863 "Lord Rodney" in BR green with early emblem

Class J36 0-6-0

Pre-order from £112. TTS-fitted £132
Due in Stock: August 2018



R3600TTS 673 "Maude" in North British Railway lined black
- as preserved - TTS sound fitted

R3621 851 722 in LNER black

R3622 65311 "Haig" in BR black with early emblem

Class 8P Streamlined Princess

Coronation 4-6-2

Pre-order for £152
Due in Stock: October 2018



©Hugh Llewellyn

R3623 6221 "Queen Elizabeth" in LMS coronation blue

R3639 6244 "King George VI" in LMS maroon

R3677 6229 "Duchess of Hamilton" in LMS crimson lake - as preserved

Maunsell Kitchen & Dining car

Pre-order for £40
Due in Stock: October 2018



R4816 7869 in SR olive green

R4817 S7946S in BR green

Class 87

Pre-order from £136
Due in Stock: April 2018



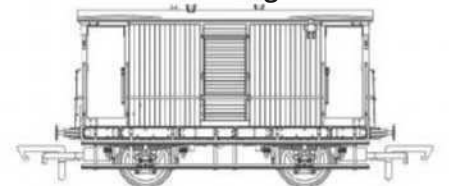
R3580 87035 "Robert Burns" in BR Blue

R3582 87010 "King Arthur" in Intercity Swallow livery

R3656 87019 "Sir Winston Churchill" in Virgin Trains red and black

LNER 20-ton Toad Brake van

Pre-order for £19
Due in Stock: August 2018



R6833 LNER bauxite

R6833A LNER bauxite

R6834 BR livery (TBC)

R6834A BR livery (TBC)



2018 Range Announced

see the full range at www.hattons.co.uk/bachmann2018

Class 90

Pre-order for £152.96
Due in Stock: March/April 2019



32-610 90005 "Financial Times" in Intercity Swallow livery

32-611 90037 in Railfreight Distribution sector triple grey

32-612 90042 in Freightliner Powerhaul livery

Ransomes & Rapier 45T Breakdown Crane

Pre-order for £212.46
Due in Stock: March/April 2019



© Andy York / RMweb

38-800 SR black

38-801 GWR black

38-802 BR Black with early emblem

38-803 BR gulf red

'Turbostar' DMUs

Pre-order from £199 (Estimated)
Due in Stock: TBC



35-560 Class 168/3 2-car DMU 168327 in Chiltern Railways livery

35-580 Class 171 2-car DMU 171122 in Southern Railway livery

35-625 Class 170/1 3-car DMU 170104 in Cross Country livery

35-626 Class 170/4 2-car DMU 170453 in Scotrail Saltire livery

OO9 Quarry Hunslet 0-4-0ST

Pre-order from £114 (Estimated)
Due in Stock: TBC



391-050 "Alice" in Dinworic Quarry red

391-051 "Britomart" in Pen-yr-Orsedd Quarry blue

391-052 "Nesta" in Penrhyn Quarry lined black

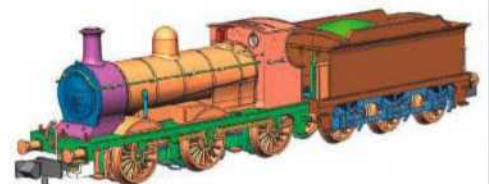
391-053 "Dorothea" in Dorothea Quarry lined green



2017/18 Announcements

Class C Wainwright 0-6-0

Pre-order from £114.71
Due in Stock: TBC



372-775 271 in SE&CR plain green

372-776 1294 in Southern Railway black

372-777 31227 in BR black with early emblem

Class 450 4-car EMU

Pre-order for £240 (Estimated)
Due in Stock: TBC



371-725 450073 in South West Trains livery

www.hattons.co.uk/preorder

Pre-orders accepted
via credit or debit card only
Pre-order prices subject to manufacturer RRP.

Welcome to our project update feature, with the latest status of forthcoming releases from all major manufacturers. Use it to see the progress of projects you are interested in. The web address in the "link" column can be used to view products online, and to place your preorders.

0151 733 3655

**17 Montague Road,
Widnes, WA8 8FZ**

Phone opening times Mon to Sat **7:30am-6pm**
Sun **9am-5pm**
Shop opening times Mon to Sun **9am-5pm**

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
SECR Birdcage Coaches	hattons.co.uk/bc	£55.21	Mar 2014							
Baldwin Class 10-12-D 4-6-0	hattons.co.uk/baldwin460	from £127.46	Jul 2014							
Class H1 & H2 Atlantic 4-4-2	hattons.co.uk/h2atlantic	£161.46	Mar 2013							
Class 90	hattons.co.uk/c90	from £152.96	Jul 2014							
Mk2f coaches & DBSO	hattons.co.uk/mk2f	from £46.71	Mar 2013							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Class 121/122	hattons.co.uk/dapolbubble	from £123.25	Dec 2012							
Class 142	hattons.co.uk/c142	from £115.18	Jan 2011							
Class 59	hattons.co.uk/dapol59	from £124.43	Oct 2015							
GWR 'Large Prairie' 2-6-2T	hattons.co.uk/dapolprairie	from £115.56	Dec 2017							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
O Gauge 50t Warwell Wagon	hattons.co.uk/ogaugeww	from £85	Oct 2016							
ICI Hopper Wagon	hattons.co.uk/ici	from £24	Mar 2015							
SECR P Class 0-6-0T	hattons.co.uk/pclass	£99	Sep 2017							Due 20th Mar
Andrew Barclay 14" & 16" 0-4-0ST	hattons.co.uk/barclay	£99	Sep 2017							Due 9th Apr
Beilhack ZZA Snowplough	hattons.co.uk/beilhack	£43	Oct 2016							
O Gauge Class A3/A4	hattons.co.uk/recordbreakers	£750	Aug 2016							
Rail Head Treatment Train (RHTT)	hattons.co.uk/RHTT	from £118	Nov 2017							
FEA Intermodal Wagons	hattons.co.uk/FEA	from £32	Nov 2017							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Class 07 Shunter	hattons.co.uk/cl07	from £111	Jan 2016							
Class 47xx 'Night Owl' 2-8-0	hattons.co.uk/47xx	£154	Nov 2014							
O Gauge Class 50 (Refurbished)	hattons.co.uk/hel50	£600 (EST)	Apr 2017							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Hltachi IEP Class 800	hattons.co.uk/IEP800	from £239	Nov 2016							
Class 87	hattons.co.uk/hornby87	from £144	Nov 2016							
SR 'Lord Nelson' 4-6-0	hattons.co.uk/lordnelson	from £136	Jan 2018							
NBR Class J36 0-6-0	hattons.co.uk/J36	from £112	Jan 2018							

	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							
5 Plank Open Wagon	hattons.co.uk/ox5p	£10	Jan 2016							

 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 15/03/18.



17 Montague Road, Widnes, WA8 8FZ
T: 0151 733 3655 E: info@hattons.co.uk

OO Gauge (1:76 Scale) Steam locos



R3525 Battle of Britain Class (Air Smoothed) 4-6-2 S21C159 "Sir Archibald Sinclair" in British Railways malachite green (Hor) £139.50



R3454 Castle Class 4-6-0 5076 "Dryslwyn Castle" in GWR Green (Hor) £140



31-933 Class 1000 Midland Compound 4-4-0 41157 in BR lined black late crest (Bac) (RRP £139.95) **BARGAIN** £79



1302 Class 1361 0-6-0ST 1364 in GWR green (Hel) £124



1321 Class 1366 0-6-0PT 1369 in Great Western green - as preserved (Hel) £124



H1413 Class 14xx 0-4-2T 1444 in BR Lined green early emblem (DJ) £99



32-304A Class 2251 0-6-0 Collett Goods 2251 in GWR green Churchward tender (Bac) **NEW** £97.71



32-301A Class 2251 0-6-0 Collett Goods 3212 in BR black early emblem and Collett tender (Bac) £97.71



OR76DG003 Class 2301 Dean Goods 0-6-0 2475 in Great Western green (Oxf) **NEW** £95



31-127 Class 30xx 2-8-0 ROD 3023 in BR black early emblem (Bac) (RRP £129.95) **BARGAIN** £69



31-128 Class 30xx 2-8-0 ROD 3036 in BR black early emblem - weathered (Bac) (RRP £142.95) **BARGAIN** £72



H1403 Class 48xx 0-4-2T 4871 in GWR Unlined green Shirtbutton logo - Lightly weathered (DJ) £99



R3499 Class 49xx 4-6-0 6947 "Helmingsham Hall" in BR Green late crest - Railroad Range (Hor) (RRP £95.99) **BARGAIN** £57



R3313 Class 4F 0-6-0 4323 in LMS Black (Hor) (RRP £99.99) **BARGAIN** £58



R3547 Class 4MT 4-6-0 75008 in BR green late crest (Hor) (RRP £170.99) **BARGAIN** £119



R3385TTS Class 5MT Black 5 4-6-0 45116 in BR Lined Black early crest - TTS sound fitted (Hor) £170



R3453 Class 5MT Black 5 4-6-0 45274 in BR Black late crest (Hor) £144



R3409 Class 6000 King 4-6-0 6002 "King William IV" in BR Green late crest (Hor) (RRP £182.99) **BARGAIN** £109



R3452 Class 6800 "Grange" 4-6-0 6825 "Llanvair Grange" in BR lined green late crest (Hor) **NEW** £132



R3552 Class 6800 "Grange" 4-6-0 6860 "Aberporth Grange" in GWR green shirtbutton emblem (Hor) **NEW** £132



31-204 Class 6P Patriot 4-6-0 5530 "Sir Frank Ree" in LMS crimson (Bac) (RRP £164.95) **BARGAIN** £104



R3420 Class 700 "Black Motor" 0-6-0 30346 in BR Black late crest (Hor) (RRP £124.99) **BARGAIN** £69



R3421 Class 700 "Black Motor" 0-6-0 30698 in BR Black early emblem (Hor) (RRP £124.99) **BARGAIN** £69



R3419 Class 700 "Black Motor" 0-6-0 693 in Southern Railway black (Hor) (RRP £124.99) **BARGAIN** £69



R3520 Class 7MT 4-6-2 Britannia 70007 "Coeur-de-Lion" in BR green late crest (Hor) £153



R3517 Class 7P "Royal Scot" 4-6-0 6108 "Seaforth Highlander" in LMS black - "The Final Day" special edition (Hor) £161



R3564 Class 8F 2-8-0 48045 in BR black late crest - Fowler tender (Hor) £123



R3565 Class 8F 2-8-0 8035 in LMS black (Hor) £123



R3566 Class 8P "Rebuilt Merchant Navy" 4-6-2 35014 "Nederland Line" in BR green early emblem (Hor) £157



R3086 Class A1 4-6-2 4472 "Flying Scotsman" in LNER apple green - Railroad Range (Hor) (RRP £110.99) **BARGAIN** £55



R3284TTS Class A1 4-6-2 4472 "Flying Scotsman" in LNER Green TTS Sound - Railroad range (Hor) £108



R3060 Class A1 4-6-2 60163 "Tornado" in British Railways Apple Green (Railroad Range) (Hor) (RRP £100.99) **BARGAIN** £68



R3312 Class A3 4-6-2 60062 "Minoru" in BR Green early emblem (Hor) (RRP £154.99) **BARGAIN** £94



R3508TTS Class A3 4-6-2 60103 "Flying Scotsman" in BR green late crest - TTS Sound fitted (Hor) £187



R3451 Class B1 4-6-0 61032 "Stembok" in BR Lined Black early emblem (Hor) £148



R3338 Class B1 4-6-0 61310 in BR Apple Green (Hor) (RRP £155.99) **BARGAIN** £87



R3004 Class B17 4-6-0 61631 "Seriby Hall" in BR Green early emblem - weathered (Hor) (RRP £131.99) **BARGAIN** £79



31-147 Class D11/1 4-4-0 501 "Mons" in GCR green (Bac) £157.21



35-075 Class E4 Brighton tank 0-6-2 579 in LB & SCR umber (Bac) (RRP £109.95) **BARGAIN** £80



10001HAP 10001 BR Brunswick green orange, black & orange lining, Aug 1956 - Oct 1957, (Dap) (RRP £105) **BARGAIN** £94



R3416 Class J15 0-6-0 65464 in BR Black late crest (Hor) (RRP £127.99) **BARGAIN** £79



R3380 Class J15 0-6-0 7510 in LNER Black (Hor) (RRP £109.99) **BARGAIN** £76



R3243B Class K1 2-6-0 62064 in BR Black late crest (Hor) (RRP £129.99) **BARGAIN** £82



R3456 Class N15 King Arthur 4-6-0 30792 "Sir Hervis de Revel" in BR Lined Green early emblem (Hor) (RRP £160.99) **BARGAIN** £108



R3560 Class Q1 0-6-0 33032 in BR black late crest (Hor) £93



R3411 Class S15 4-6-0 827 in Southern Railway wartime black (Hor) (RRP £155.99) **BARGAIN** £88



35-051 LNWR 0-6-2T Webb Coal tank 7841 in LMS black (Bac) £101.96



R3524 Rebuilt "West Country" 4-6-2 34096 "Trevone" in BR green late crest (Hor) £144



32-858 Standard Class 9F 2-10-0 92189 in BR black late crest & BR1F tender - weathered (Bac) £169.96



R9291 Thomas and Friends - 4-6-2 No.4 Gordon the big blue engine (Hor) £88



32-254A WD Austerity 2-8-0 77003 in LNER plain black (Bac) £135.96



32-250A WD Austerity 2-8-0 79250 "Major-General Mc Mullen" in Longmoor Military Railway blue (Bac) £144.46



32-250A WD Austerity 2-8-0 79250 "Major-General Mc Mullen" in Longmoor Military Railway blue (Bac) £144.46



32-254A WD Austerity 2-8-0 77003 in LNER plain black (Bac) £135.96



32-250A WD Austerity 2-8-0 79250 "Major-General Mc Mullen" in Longmoor Military Railway blue (Bac) £144.46



R3399 EWS freight train pack Class 67 in EWS and three MHA open wagons (Hor) (RRP £241.99) **BARGAIN** £139



10001HAP 10001 BR Brunswick green orange, black & orange lining, Aug 1956 - Oct 1957, (Dap) (RRP £105) **BARGAIN** £94



**UK P&P £4 per order
£2 per single diecast item
£7 guaranteed Next Day delivery
(Orders before 2pm)**

NEW



R3577 4-wheel Sentinel 0-4-0 "Graham" in red (Hor) **NEW**...£58



R3504TTS Class 08 08623 in DB Schenker - TTS Sound fitted (Hor).....£139.50

NEW



1409 Class 14 D9531 in BR green - as preserved (Hel) **NEW**.....£110

NEW



1410 Class 14 D9537 in BR desert sand - as preserved (Hel) **NEW**.....£110

NEW



1408 Class 14 D9555 in BR green - last loco built at Swindon works (Hel) **NEW**.....£110

NEW



1411 Class 14 National Coal Board Ashington No.4 in NCB blue (Hel) **NEW**.....£110



1603 Class 16 North British Type 1 D8407 in BR green with full yellow ends - Ltd Ed of 750 (Hel) (RRP £134.95) **BARGAIN**...£72



1604 Class 16 North British Type 1 D8409 in BR green grey roof - Gloss finish - Ltd Ed of 750 (Hel) (RRP £134.95) **BARGAIN**...£72



32-408 Class 25/3 25286 in BR Blue Domino Headcode (Bac).....£93.46



2655 Class 26/0 26008 in BR railfreight coal sector grey (Hel).....£104



2658 Class 26/0 26014 in BR blue (Hel).....£104



2662 Class 26/0 diesel D5309 in BR green (Hel) (RRP £119.95) **BARGAIN**...£61



2614 Class 26/1 26026 in BR blue (Hel).....£104



2615 Class 26/1 26044 in BR blue - weathered (Hel).....£104



2813 Class 28 CoBo D5706 in BR green small yellow ends (Hel).....£110



R3583TTS Class 37/0 37040 in Railfreight triple grey - Railroad Range - TTS Sound fitted (Hor).....£88



32-377A Class 37/4 37401 "Mary Queen Of Scots" in BR large logo blue (Bac).....£117.26



32-391DS Class 37/7 37796 in Railfreight coal sector (DCC Sound Fitted) (Bac).....£203.96



R3392TTS Class 40 40164 in BR blue - TTS sound fitted - Railroad Range (Hor) (RRP £99.99) **BARGAIN**...£74



R3491 Class 42 Warship D805 "Benbow" in BR green - Railroad Range (Hor) (RRP £64.99) **BARGAIN**...£39



31-659 Class 47/0 47001 in BR Blue - weathered (Bac).....£144.46



31-662 Class 47/3 47359 in BR Railfreight Metals sector triple grey (Bac).....£118.96



32-980A Class 66/7 66728 "Institution of Railway Operators" in GB Railfreight - weathered (Bac).....£152.96



4D-022-008 Class 68 68003 "Astute" in Direct Rail Services compass (Dap).....£131.71



4D-022-010D Class 68 68008 "Avenger" in Direct Rail Services compass - DCC fitted (Dap).....£151.16



4D-022-010 Class 68 68008 "Avenger" in Direct Rail Services compass (Dap).....£131.71



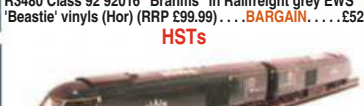
R3591 Class 73/0 electro-diesel E6002 in BR green - Railroad Range (Hor).....£59



R3350 Class 90 90029 in DB Schenker (Hor) (RRP £69.99) **BARGAIN**...£49



R3480 Class 92 92016 "Brahms" in Railfreight grey EWS "Beastie" vinyls (Hor) (RRP £99.99) **BARGAIN**...£52



R3510 Pair of Class 43 HST Power Cars 43187 and 43188 in GWR green - Ltd Ed (Hor).....£246



32-287 Class 101 2 Car DMU in BR blue & grey "Cambridge/Norwich" (Bac) (RRP £159.95) **BARGAIN**...£89



32-286 Class 101 2 Car DMU in BR green small yellow warning panel "Shrewsbury/Aberystwyth" (Bac) (RRP £159.95) **BARGAIN**...£94



4D-009-HAT03 Class 121 single car DMU "Bubblecar" 960011 in Railtrack blue and green - Hatton's limited edition (Dap).....£129.95



4D-009-001 Class 121 single car DMU "Bubblecar" W55020 in BR green speed whiskers (Dap).....£123.25



4D-009-002 Class 121 single car DMU "Bubblecar" W55028 in BR green small yellow panels (Dap).....£123.25



4D-011-003 Class 121 single car DMU "Bubblecar" W55029 in BR blue & grey (Dap).....£123.25



8920 Class 128 DPU 55991 in BR blue yellow ends "Parcels Service" (Hel).....£59



8991 Class 128 DPU in BR green small yellow panels & Midland style fronts M55989 (Hel) (RRP £119.95) **BARGAIN**...£69



8990 Class 128 DPU in BR green speed whiskers and Midland style fronts M55987 (Hel) (RRP £119.95) **BARGAIN**...£69



4D-011-001 Streamlined railcar 12 in GWR lined chocolate and cream shirtbutton emblem (Dap).....£123.25



30-430 Capital Commuter train pack Class 416 in Network SouthEast and low relief station building (Bac).....£178.46



R3341 Class 2-HAL 2 Car EMU 2677 in BR blue (Hor) (RRP £130.25) **BARGAIN**...£62



R3341 Class 2-HAL 2 Car EMU 2677 in BR blue (Hor) (RRP £130.25) **BARGAIN**...£62



R3341A Class 2-HAL 2623 2 car EMU in BR blue (Hor) (RRP £149.99) **BARGAIN**...£62



B800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap).....£64



R1151 Caledonian Belle trainset 0-4-0 steam loco in blue 4 wheel coach & open wagon (Hor) (RRP £49.99) **BARGAIN**...£45



R1155 Pendolino trainset Class 390 390004 in Virgin Trains "Alstom Pendolino" branding (Hor).....£150



R1173 e-Link DCC Western Master train set GWR Class 2721 steam loco & 3 wagons (Hor).....£130



R1172 e-Link Majestic train set A1 Pacific Peppercorn Class in Experimental blue & BR Class 47 (Hor) (RRP £299.99) **BARGAIN**...£250



R1126 Mixed Freight DCC digital train set Class 08 0-6-0 BR diesel electric loco, steam loco & 4 wagons (Hor) (RRP £264.99) **BARGAIN**...£170



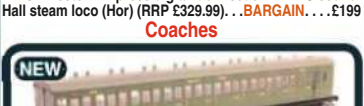
R1125 Somerset Belle train set Class 3F 0-6-0 S&DJR 0-6-0 steam loco & 3 wagons - DCC control (Hor) (RRP £210.99) **BARGAIN**...£130



R1184 Western Express digital train set eLink TTS sound Hall steam loco (Hor) (RRP £329.99) **BARGAIN**...£199



R4717A 58' Maunsell Rebuilt (Ex LSWR 48') eight compartment brake third 2636 in SR olive green (Hor) **NEW**...£40



R4720A 58' Maunsell Rebuilt (Ex LSWR 48') nine compartment third 364 in SR olive green (Hor) **NEW**...£40



R4719A 58' Maunsell Rebuilt (Ex LSWR 48') six compartment brake composite 6401 in SR olive green (Hor) **NEW**...£40



R4718A 58' Maunsell Rebuilt (Ex LSWR 48') six compartment brake third 2625 in SR olive green (Hor) **NEW**...£40

Visit

www.hattons.co.uk/new

for all new releases



39-621 60' ex-SECR Birdcage brake third 3446 in SR olive green (Bac) £55.21



39-601 60' ex-SECR Birdcage brake third lavatory 3518 in SR olive green (Bac) £55.21



39-611 60' ex-SECR Birdcage composite 5453 in SR olive green (Bac) £55.21
R4832 GWR A30 autocock W193W in BR maroon (Hor) NEW £34



R4802 LMS 68' 12-wheel restaurant car 238 in LMS crimson (Hor) NEW £43.50



R4534D Maunsell push-pull coach pack Set 619 in BR green (Hor) £73
R4848 Mk1 BSK brake second corridor M34466 BR crimson and cream (Hor) NEW £34
R4823 Mk1 BSO brake second open E9248 BR crimson and cream (Hor) NEW £34
R4822 Mk1 BSO brake second open W9264 BR chocolate and cream (Hor) NEW £34



R4847 Mk1 CK composite corridor M15185 in BR crimson and cream (Hor) NEW £34
R4846 Mk1 SK second corridor M25633 BR crimson and cream (Hor) NEW £34
R4849 Mk1 SO second open M4365 in BR crimson and cream (Hor) NEW £34
R4850 Mk1 TSO second open M4428 in BR crimson and cream (Hor) NEW £34



OR763FO002 Mk3a FO first open 11008 in Intercity Swallow (Oxf) £29



OR763RM002 Mk3a RFM restaurant first modular buffet 10201 in Intercity swallow (Oxf) NEW £29



OR763TO002 Mk3a TSO tourist second open 12007 in Intercity Swallow (Oxf) £29



34-385 Thompson 3rd class corridor in LNER teak (Bac) NEW £46.71



34-485 Thompson first Corridor in LNER Teak (Bac) NEW .. £46.71

Wagons

4F-011-012 12-ton ventilated egg van 511282 LMS grey - weathered (Dap) NEW £10.50
4F-033-106 24T Hopper Stanton (Dap) NEW £10
4F-033-107 24T Hopper Stanton - weathered (Dap) NEW £11
R6862 4-plank open wagon "Arnolds Sands, Leighton Buzzard" (Hor) NEW £13



OR76TOB003 4-wheel 'Toad' brake van W35717 in BR grey - "Basingstoke" (Oxf) NEW £12.50



OR76TOB004 4-wheel 'Toad' brake van W56449 in BR grey - "Bala" (Oxf) NEW £12.50
4F-018-021 4-wheel salt van "Saxa Salt" (Dap) NEW £9.50
4F-018-022 4-wheel salt van "Saxa Salt" - weathered (Dap) NEW £10.50



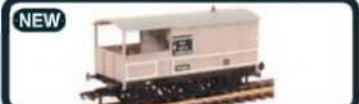
R6866 5-plank open wagon "Lilleshall Limestone" (Hor) NEW £13
R6874 7-plank open wagon "Hale Fuels, Birmingham" (Hor) NEW £13
4F-036-024 Bulk grain hopper B885325 in BR grey - weathered (Dap) NEW £12



R6723 Drax 102t biomass hopper in Drax 'Swoosh' - Produced for Drax power station - Limited to 1000 - Available only from Hatton's (Hor) £83



OR76TOA003 GWR diagram AA3 6-wheel 'Toad' brake van W56955 in BR grey "Bordesley Junction" (Oxf) NEW £12.50



OR76TOA004 GWR diagram AA3 6-wheel 'Toad' brake van W56956 in BR grey - "Wolverhampton" (Oxf) NEW £12.50



R6880 HEA hopper wagon - "Hornby 2018" (Hor) NEW £14
4F-010-005 JNA "Falcon" bogie ballast wagon NLU29001 in Network Rail yellow (Dap) NEW £22.07
4F-010-006 JNA "Falcon" bogie ballast wagon NLU29021 in Network Rail yellow (Dap) NEW £22.07
4F-010-007 JNA "Falcon" bogie ballast wagon NLU29046 in Network Rail yellow (Dap) NEW £22.07
4F-010-008 JNA "Falcon" bogie ballast wagon NLU29198 in Network Rail yellow (Dap) NEW £22.07
R6849 KFA container wagon Tiphook Rail "DAL" and "Genstar" containers (Hor) NEW £29.50



R6473 Pack of 3 16 ton mineral wagons in BR bauxite - Railroad Range (Hor) (RRP £19.99) BARGAIN £15



37-237 Pack of three 16 ton steel mineral wagons BR grey - weathered loads (Bac) £48.41
R6882 Pack of three Private Owner open wagons - "B.Q.C." "I.W. Baldwin" and "F.H. Silvey" (Hor) NEW £36
4F-028-102 Pair of 40-foot containers - "Mitsui Lines" (Dap) NEW £11
4F-028-103 Pair of 40-foot containers - "Mitsui Lines" - weathered (Dap) NEW £12



4F-027-009 Silver Bullet bogie tank wagon in NACCO/ ECC - 3387 7898 070-0 - Weathered (Dap) £28.05
4F-027-012 Silver Bullet bogie tank wagon in NACCO/ ECC - 3780 7898 042-2 - Weathered (Dap) £28.05



4F-027-011 Silver Bullet bogie tank wagon in NACCO/ ECC - 3780 7898 118-0 - Weathered (Dap) £28.05

Analogue controllers



R8012 HM2000 High output power & speed controller, mains supply. (Hor) £87

Digital control accessory decoders

R8247 DCC accessory decoder (for points and motors) (Hor) £40
PC2 One Touch DCC Quad Point Controller x 4 (Tra) £32

Digital controllers



R8214 DCC Elite unit digital controller (Hor) £205
R8213 DCC Select unit (boxed) (Hor) £90

Point motors



R8243 Surface Mounted point motor (Hor) £8.50

Model railway spares

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

Buildings - railways



44-072 Depot Crane (Bac) (RRP £43.95) BARGAIN £21



OS76R001 GWR brick-built station building (Oxf) NEW £39



OS76R002 GWR signal box (Oxf) NEW £22



PO235 Platform kit in stone - card kit (Met) £11

Man-made scenic structure - railway-related



89121 21.5 metre (90ft) Motorised turntable - ready for installation. Upgraded 89111. For HO/OO scales. DCC ready (Hel) £199



LK-55 76ft Well type turntable (Pec) £39



R083 Box of 6 Buffer Stop (Hor) £9.50



R083 Single (Hor) £1.80



R070 Electrically Operated Turntable (Hor) £64
R537 Linedside Fencing (Hor) £7

Signals

469Ratio GWR Bracket Junction Signal - plastic kit (Rat) NEW £12
4L-002-001 Signal - Motorised, LMS home (OOSIGN3) (Dap) £22
4L-001-001 Signal - Motorised, Square post GWR home lower quadrant (OOSIGN1) (Dap) £22

Buildings - general

OS76T002 Public House - "The Bush Inn" (Oxf) NEW £31
OS76T001 St. Catharines Church (Oxf) NEW £35

Bridges, Tunnels & Walls

R8008 Grand suspension bridge (Hor) £39
44-225 Low Relief Retaining Walls (168 x 10 x 85mm) (Bac) £14.41

Grass, Ground, Lichen, Hedges & Foliage

SH150 Single flexible hedge - 150mm (K&M) NEW £2.50

People - civil



36-408 12 x Seated Coach Passengers (Bac) £11.50

Track - Code 100 Setrack

R607 2nd radius double curve track (8 make a circle) (Hor) £2.25
R607 Circle of 8 (Hor) £18
R601 Double Straight (Hor) £2.10
R601 Box of 24 (Hor) £47
R6072 Left Hand Standard Point (Hor) £3
R603 Long Straight - 670mm (Hor) £3



R8073 Right Hand Standard Point (Hor) £9
ST-245 Setrack curved double radius left handed point insulfrog (Pec) £14
ST-244 Setrack curved double radius right handed point insulfrog (Pec) £14
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
R621 Single 970mm length of flexible track (Hor) £3
R621 Pack of 24 (Hor) £36
R600 Standard Straight (Hor) £1.35
R600 Box of 24 (Hor) £31

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-E99 3 way medium radius point - electrofrog (Pec) £26
SL-99 3 way medium radius point - insulfrog (Pec) £26
SL-90 Double slip - insulfrog (Pec) £32



SL-E87 Left hand curved point - electrofrog (Pec) £12.50
SL-87 Left hand curved point - insulfrog (Pec) £12.50



SL-E89 Left hand large point - electrofrog (Pec) £12
SL-89 Left hand large point - insulfrog (Pec) £12



SL-E96 Left hand medium point - electrofrog (Pec) £10
SL-96 Left hand medium point - insulfrog (Pec) £10



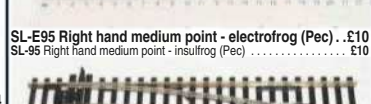
SL-E92 Left hand small point - electrofrog (Pec) £9.50
SL-92 Left hand small point - insulfrog (Pec) £9.50
SL-E86 Right hand curved point - electrofrog (Pec) £12.50



SL-E88 Right hand large point - electrofrog (Pec) £12
SL-88 Right hand large point - insulfrog (Pec) £12



SL-E95 Right hand medium point - electrofrog (Pec) £10
SL-95 Right hand medium point - insulfrog (Pec) £10



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-108F 1 yard (91.5cm) length of Code 75 Wooden-sleeper nickel silver bullhead rail flexible track (Pec) £4
SL-108F Box of 25 (Pec) £100
SL-102F 1 yard (91.5cm) length of finescale Nickel Silver concrete-sleeper flexible track (Pec) £3.25
SL-102F Pack of 25 (Pec) £82



SL-100F Pack of 25 1 yard (91.5cm) length of Nickel Silver Finescale flexible track (Pec) £72
SL-100F Single (Pec) £3



SL-E199 3 way finescale medium radius point - electrofrog (Pec) £28



SL-E190 Finescale double slip - electrofrog (Pec) ... £37
SL-E187 Finescale left hand curved point - electrofrog (Pec) ... £13



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
SL-E186 Finescale right hand curved point - electrofrog (Pec) ... £13
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



SL-U1189 Left hand large radius bullhead rail point - unifrog (Pec) ... £26



SL-U1188 Right hand large radius bullhead rail point - unifrog (Pec) ... £26

Track & Points

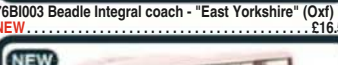
Railway publications

R8262 Double 4th radius curve (8 make a circle) (Hor) ... £3
36-2018 Bachmann Branchline 2018 Catalogue (Bac) ... £7.61
R8155 Hornby 2018 Catalogue - 64th Edition (Hor) ... £8

Buses



76BI003 Beadle Integral coach - "East Yorkshire" (Oxf) **NEW** ... £16.50



76IR6003 Irizar i6 coach - "The Kings Ferry" (Oxf) **NEW** ... £20.50

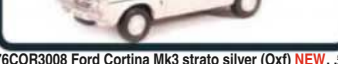
Cars



76SET52 5-piece Volvo set (Oxf) **NEW** ... £23
76AMB2004 Aston Martin DB2 MkII DHC Snow Shadow Silver (Oxf) **NEW** ... £5
76AMV003 Aston Martin Vanquish coupe quantum silver (Oxf) **NEW** ... £5
76AH3005 Austin Healey 3000 metallic golden beige (Oxf) **NEW** ... £5
76COR1008 Ford Cortina Mk1 Lombard grey/red (Oxf) **NEW** ... £5



76COR3008 Ford Cortina Mk3 strato silver (Oxf) **NEW** ... £5
76FF006 Ford Fiesta Mk1 terracotta (Oxf) **NEW** ... £4.50
76ZEP010 Ford Zephyr pubbeck grey (Oxf) **NEW** ... £5
76HST003 Humber Snipe Tourer Old Faithful - Tripoli 1943 (Oxf) **NEW** ... £5.50
76MCS006 Mini Cooper - Pink (Oxf) **NEW** ... £4.50
76RRS001 Range Rover Sport SVR Setoril Blue (Oxf) **NEW** ... £5
76RRS002 Range Rover Sport SVR Indus Silver (Oxf) **NEW** ... £5



76TR4003 Triumph TR4 new white (Oxf) **NEW** ... £5
76CAV003 Vauxhall Cavalier in Steel Grey (Oxf) **NEW** ... £5
76FB006 Vauxhall FB victor cactus green (Oxf) **NEW** ... £5
76VWB008 VW beetle lotus white (Oxf) **NEW** ... £4.50
76WVO05 Wolseley 18/85 black / ivory (Oxf) **NEW** ... £4.50



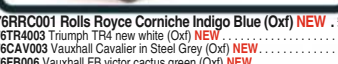
76RR001 Rolls Royce Corniche Indigo Blue (Oxf) **NEW** ... £6
76TR4003 Triumph TR4 new white (Oxf) **NEW** ... £5
76CAV003 Vauxhall Cavalier in Steel Grey (Oxf) **NEW** ... £5
76FB006 Vauxhall FB victor cactus green (Oxf) **NEW** ... £5
76VWB008 VW beetle lotus white (Oxf) **NEW** ... £4.50
76WVO05 Wolseley 18/85 black / ivory (Oxf) **NEW** ... £4.50



76TR4003 Triumph TR4 new white (Oxf) **NEW** ... £5
76CAV003 Vauxhall Cavalier in Steel Grey (Oxf) **NEW** ... £5
76FB006 Vauxhall FB victor cactus green (Oxf) **NEW** ... £5
76VWB008 VW beetle lotus white (Oxf) **NEW** ... £4.50
76WVO05 Wolseley 18/85 black / ivory (Oxf) **NEW** ... £4.50



76TR4003 Triumph TR4 new white (Oxf) **NEW** ... £5
76CAV003 Vauxhall Cavalier in Steel Grey (Oxf) **NEW** ... £5
76FB006 Vauxhall FB victor cactus green (Oxf) **NEW** ... £5
76VWB008 VW beetle lotus white (Oxf) **NEW** ... £4.50
76WVO05 Wolseley 18/85 black / ivory (Oxf) **NEW** ... £4.50



76TR4003 Triumph TR4 new white (Oxf) **NEW** ... £5
76CAV003 Vauxhall Cavalier in Steel Grey (Oxf) **NEW** ... £5
76FB006 Vauxhall FB victor cactus green (Oxf) **NEW** ... £5
76VWB008 VW beetle lotus white (Oxf) **NEW** ... £4.50
76WVO05 Wolseley 18/85 black / ivory (Oxf) **NEW** ... £4.50



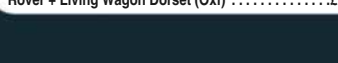
76TR4003 Triumph TR4 new white (Oxf) **NEW** ... £5
76CAV003 Vauxhall Cavalier in Steel Grey (Oxf) **NEW** ... £5
76FB006 Vauxhall FB victor cactus green (Oxf) **NEW** ... £5
76VWB008 VW beetle lotus white (Oxf) **NEW** ... £4.50
76WVO05 Wolseley 18/85 black / ivory (Oxf) **NEW** ... £4.50



76TR4003 Triumph TR4 new white (Oxf) **NEW** ... £5
76CAV003 Vauxhall Cavalier in Steel Grey (Oxf) **NEW** ... £5
76FB006 Vauxhall FB victor cactus green (Oxf) **NEW** ... £5
76VWB008 VW beetle lotus white (Oxf) **NEW** ... £4.50
76WVO05 Wolseley 18/85 black / ivory (Oxf) **NEW** ... £4.50



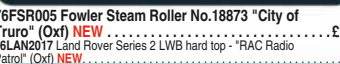
76TR4003 Triumph TR4 new white (Oxf) **NEW** ... £5
76CAV003 Vauxhall Cavalier in Steel Grey (Oxf) **NEW** ... £5
76FB006 Vauxhall FB victor cactus green (Oxf) **NEW** ... £5
76VWB008 VW beetle lotus white (Oxf) **NEW** ... £4.50
76WVO05 Wolseley 18/85 black / ivory (Oxf) **NEW** ... £4.50



76TR4003 Triumph TR4 new white (Oxf) **NEW** ... £5
76CAV003 Vauxhall Cavalier in Steel Grey (Oxf) **NEW** ... £5
76FB006 Vauxhall FB victor cactus green (Oxf) **NEW** ... £5
76VWB008 VW beetle lotus white (Oxf) **NEW** ... £4.50
76WVO05 Wolseley 18/85 black / ivory (Oxf) **NEW** ... £4.50



76FSR005 Fowler Steam Roller No.18873 "City of Truro" (Oxf) **NEW** ... £11
76LAN2017 Land Rover Series 2 LWB hard top - "RAC Radio Patrol" (Oxf) **NEW** ... £5



76MB010 Mercedes Actros Semi Low Loader JCB (Oxf) **NEW** ... £21



76VOL4005 Volvo FH4 (G) Flatbed Trailer P McKerrall & Co Ltd (Oxf) ... £21

Farming & Construction



76DL001 JCB 531 70 Loadall JCB (Oxf) **NEW** ... £16



76JS001 JCB JS220 Tracked Excavator JCB (Oxf) **NEW** ... £19.50



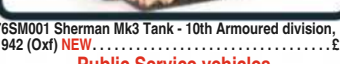
76CHT003 Churchill Tank 142 RAC Tunisia 1943 (Oxf) **NEW** ... £11
76SHP005 Leyland Sherpa van - "RAF Royal Air Force" (Oxf) **NEW** ... £5.50



76SHP005 Leyland Sherpa van - "RAF Royal Air Force" (Oxf) **NEW** ... £5.50



76SM001 Sherman Mk3 Tank - 10th Armoured division, 1942 (Oxf) **NEW** ... £11



76BED007 Bedford J1 ambulance - "Dundalk Fire Service" (Oxf) **NEW** ... £5.50

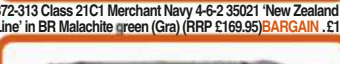


SL-43 Loco Lift and storage unit (Pec) ... £12

N Gauge Steam Locomotives



372-313 Class 21C1 Merchant Navy 4-6-2 35021 "New Zealand Line" in BR Malachite green (Gra) (RRP £169.95) **BARGAIN** ... £119



372-311 Class 21C1 Merchant Navy 4-6-2 35023 "Holland-Afrika Line" in BR green early emblem (Gra) (RRP £169.95) **BARGAIN** ... £119



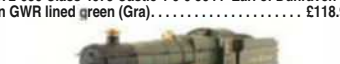
372-629 Class 2MT Ivatt 2-6-0 46460 in BR lined black early emblem - weathered (Gra) ... £114.71



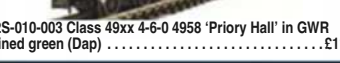
372-030 Class 4073 Castle 4-6-0 5044 "Earl of Dunraven" in GWR lined green (Gra) ... £118.96



2S-010-003 Class 49xx 4-6-0 4958 "Priory Hall" in GWR lined green (Dap) ... £119



372-247 Class 47/0 47209 "Herbert Austin" in BR railfreight triple grey distribution sector (Gra) ... £114.71



372-248 Class 47/4 47550 "University of Dundee" in Intercity Mainline (Gra) ... £114.71



372-535 Class 4MT Standard 2-6-4T 80027 BR lined black early emblem (Gra) ... £101.96



372-536 Class 4MT Standard 2-6-4T 80119 BR lined black late crest (Gra) ... £101.96



2S-017-005 Class 7MT Britannia 4-6-2 70025 "Western Star" in BR green late crest - weathered (Dap) ... £118



372-385 Class A2 4-6-2 525 "A H Peppercorn" LNER Apple green (Gra) (RRP £169.95) ... **BARGAIN** ... £94



372-386 Class A2 4-6-2 60537 "Bachelors Button" BR Brunswick green early emblem (Gra) (RRP £169.95) ... **BARGAIN** ... £94



2S-011-006 Class A3 4-6-2 60103 "Flying Scotsman" in BR green late crest (Dap) ... £124.38



372-932 Class N 2-6-0 31811 in BR black late crest (Gra) ... £106.21



372-184A Princess Coronation Class 4-6-2 46228 "Duchess of Rutland" in BR crimson late crest (Gra) ... £144.46



371-064 Class 03 Shunter 03170 in BR Blue Wasp Stripes & Air Tanks (weathered) (Gra) ... £80.71



371-457 Class 37/0 D6714 in BR green small yellow panel and split headcode boxes (Gra) ... £103.66



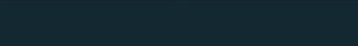
371-170 Class 37/4 37422 "Robert F. Fairlie" in Regional Railways (Gra) ... £103.66



371-181 Class 40 D369 in BR green small yellow panel (Gra) ... £118.96



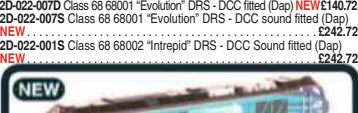
372-247 Class 47/0 47209 "Herbert Austin" in BR railfreight triple grey distribution sector (Gra) ... £114.71



372-248 Class 47/4 47550 "University of Dundee" in Intercity Mainline (Gra) ... £114.71



2D-022-007 Class 68 68001 "Evolution" in DRS (Dap) **NEW** ... £118.96



2D-022-007D Class 68 68001 "Evolution" DRS - DCC fitted (Dap) **NEW** ... £140.72



2D-022-001S Class 68 68002 "Intrepid" DRS - DCC Sound fitted (Dap) **NEW** ... £242.72



2D-022-002 Class 68 68005 "Defiant" in DRS (Dap) **NEW** ... £118.96



2D-022-005 Class 68 68006 "Daring" in Scotrail (Dap) **NEW** ... £118.96



2D-022-005S Class 68 68006 "Daring" Scotrail - DCC Sound fitted (Dap) **NEW** ... £242.72



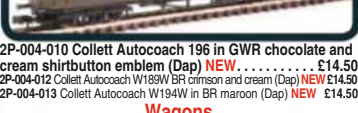
2D-022-006 Class 68 68007 "Valiant" in Scotrail (Dap) **NEW** ... £118.96



2D-022-006S Class 68 68007 "Valiant" Scotrail - DCC Sound fitted (Dap) **NEW** ... £242.72



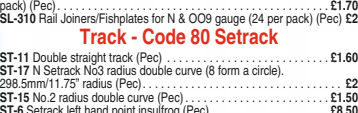
2D-022-003 Class 68 68010 "Oxford Flyer" in Chiltern Railways (Dap) **NEW** ... £118.96



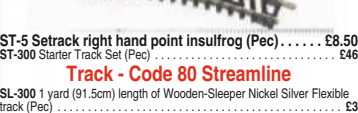
2D-022-003D Class 68 68010 "Oxford Flyer" in Chiltern Railways - DCC Fitted (Dap) **NEW** ... £140.72



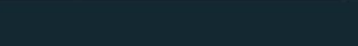
2D-022-003S Class 68 68010 "Oxford Flyer" in Chiltern Railways - DCC Sound fitted (Dap) **NEW** ... £242.72



2D-022-004 Class 68 68014 in Chiltern Railways (Dap) ... £118.96



2D-022-004S Class 68 68014 Chiltern Railways - DCC Sound fitted (Dap) **NEW** ... £242.72

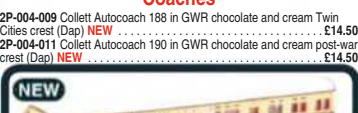


2D-022-004S Class 68 68014 Chiltern Railways - DCC Sound fitted (Dap) **NEW** ... £242.72

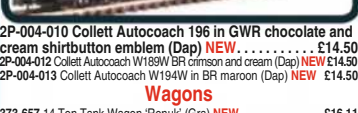
HSTs



2D-019-005 Class 43 HST 4-car book set in BR Intercity 125 blue and grey (Dap) **NEW** ... £160.89



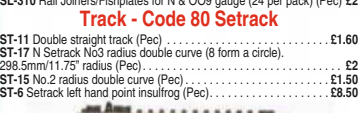
2P-004-009 Collett Autocoach 188 in GWR chocolate and cream Twin Cities crest (Dap) **NEW** ... £14.50



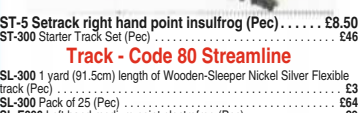
2P-004-011 Collett Autocoach 190 in GWR chocolate and cream post-war crest (Dap) **NEW** ... £14.50



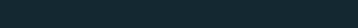
2P-004-010 Collett Autocoach 196 in GWR chocolate and cream shirbutton emblem (Dap) **NEW** ... £14.50



2P-004-012 Collett Autocoach W189W BR crimson and cream (Dap) **NEW** ... £14.50



2P-004-013 Collett Autocoach W194W in BR maroon (Dap) **NEW** ... £14.50



373-657 14 Ton Tank Wagon "Ronuk" (Gra) **NEW** ... £16.11

Visit

www.hattons.co.uk/preorder

for all forthcoming releases



SL-E395 Right hand medium point electrofrog (Pec) ... £9
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-302F Pack of 30 1 Yard of Nickel Silver Flexible Track Concrete Sleepers (Pec) ... £91
SL-302F Single (Pec) ... £3.50



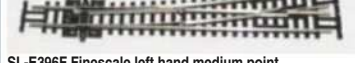
SL-E399F 3-way finescale turnout (Pec) ... £28



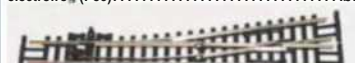
SL-E390F Finescale double slip electrofrog (Pec) ... £35



SL-E389F Finescale left hand large point electrofrog (Pec) ... £11



SL-E396F Finescale left hand medium point electrofrog (Pec) ... £10



SL-E392F Finescale left hand small point electrofrog (Pec) ... £9



SL-E388F Finescale right hand large point electrofrog (Pec) ... £11



SL-E395F Finescale right hand medium point electrofrog (Pec) ... £10



SL-E391F Finescale right hand small point electrofrog (Pec) ... £9

Farming & Construction
NTRAC004 Fordson Tractor matt grey (Oxf) NEW ... £4

Military ground vehicles
NCHT001 Churchill Tank - Kingforce (Oxf) NEW ... £6

HO Gauge (1:87 Scale)

Cars

87BS36004 Buick Special Convertible Coupe 1936 Balmoral Green (Oxf) NEW ... £5
87CN57004 Chevrolet Nomad 1957 Colonial Cream/India Ivory (Oxf) NEW ... £5
87CP65003 Chevrolet Stepside pick up 1965 metallic maroon (Oxf) NEW ... £5

Public Service vehicles

87BC55003 Buick Century 1955 - "California Highway Patrol" (Oxf) NEW ... £5

O Gauge (1:43 Scale)

Steam locos



7S-026-003 Class 3F 'Jinty' 0-6-0T 23 in S&DJR prussian blue (Dap) ... £191.25



7S-026-004 Class 3F 'Jinty' 0-6-0T 47673 in BR black late crest (Dap) ... £191.25

Diesel locos



7D-008-011 Class 08 shunter 08173 in BR blue (without ladder) (Dap) ... £191.25
7D-008-011D Class 08 shunter 08173 in BR blue (without ladder) - DCC sound filled (Dap) ... £340
2014 Class 20 in BR blue full yellow ends: TOPS style double arrows on the cabsides and '0000' headcodes - weathered (Hel) ... £470



2015 Class 20 in Railfreight Red Stripe headcode boxes (Hel) ... £470



3713 Class 37/0 in BR large logo blue centre headcode box (unnumbered) (Hel) ... £470



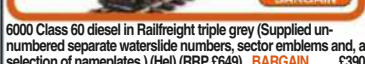
4205 Class 42 Warship 829 'Magpie' in BR blue (Hel) £550



4201 Class 42 Warship D827 'Kelly' in BR green small yellow panels (Hel) ... £550



6000 Class 60 diesel in Railfreight triple grey (Supplied un-numbered separate waterslide numbers, sector emblems and, a selection of nameplates.) (Hel) (RRP £649). BARGAIN ... £390



8914Hel Class 128 DPU W55991 in BR blue - weathered (Hel) NEW £470



8913 Class 128 parcels DMU M55994 in BR blue yellow ends (Hel) ... £470



8950 Class 128 parcels DMU M55995 in BR blue yellow ends (Hel) NEW ... £470

Coaches

7P-004-002S GWR 59' Auto Coach in GWR chocolate and cream crest - DCC sound and light bar fitted (Dap) ... £318.75



7P-004-002 GWR 59' Auto Coach in GWR chocolate and cream twin cities crest (Dap) ... £170

Wagons

7F-051-048 5-plank open wagon 'Cumberland Granite Company' (Dap) NEW ... £38
7F-051-049 5-plank open wagon 'Cumberland Granite Company' (Dap) NEW ... £38
7F-051-048W 5-plank open wagon 'Cumberland Granite Company' - weathered (Dap) NEW ... £38
7F-051-049W 5-plank open wagon 'Cumberland Granite Company' - weathered (Dap) NEW ... £38



4377 BR green DB993608 - Dogfish (Hel) ... £79



H7-WW-706 Warwell wagon 50t diamond frame bogies M360329 in BR gulf red (Hat) ... £85



H7-WW-705 Warwell wagon 50t diamond frame bogies M360333 in BR grey (Hat) ... £85



H7-WW-701 Warwell wagon 50t diamond frame bogies MS.1 in War Department (GWR) (Hat) ... £85



H7-WW-708 Warwell wagon 50t Gloucester GPS bogies MODA95511 in MOD 1970s olive (Hat) ... £85



SL-700BH Box of 12 1 Yard O Gauge Flexible Nickel Silver Track (Bullhead Nickel Silver Rail) (Pec) ... £75



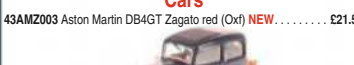
SL-700BH Single (Pec) ... £6.50



SL-E790BH Double slip (8 degree angle). Electrofrog (Pec) ... £85



SL-E792BH Left hand point bullhead rail and electrofrog (Pec) ... £41



SL-E791BH Right hand point bullhead rail and electrofrog (Pec) ... £41



SL-T725 Setrack Bullhead 2nd radius standard curve 410mm (16") radius 1020mm (40.5") 16 make a circle (Pec) ... £6

Cars

43AMZ003 Aston Martin DB4GT Zagato red (Oxf) NEW ... £21.50



43RUB002 Austin Ruby Saloon dark blue (Oxf) ... £16

43AS006 Austin Seven RN saloon light grey (Oxf) NEW ... £14.50
VA02540 Mini Cooper S Durham Constabulary (Cor) NEW ... £27



43R25001 Rolls Royce 25/30 - Thrupp & Maberly Burundary (Oxf) ... £21



43RR002 Rolls Royce Corniche Conv. (Closed) Persian Sand (Oxf) NEW ... £21

43VF004 Vauxhall Firenza Sport SL Sunspot (Oxf) NEW ... £20

43AK017 Austin Threeway van - "Civil Service Stores" (Oxf) NEW ... £12

PRR-O-01 Rolling Road stand for O scale locos wheel cleaning rollers (Pro) NEW ... £153

Any or Multiple Scales

Analogue controllers



COMBI Combi 12v 1Amp Single Track Controller Transformer (Gau) ... £30



D Double/Twin track power controller (Gau) ... £80

Q Quadruple 4 circuit power controller (Gau) ... £140

Analogue power supplies

M1 Transformer Output 2 x 16v AC 1A (Gau) ... £37

Digital decoders

Imperium1 'Imperium' 21 Pin MTC 6-function DCC decoder (Dap) £19.51
Imperium2 'Imperium' Next 18 Pin MTC 6-function DCC decoder (Dap) £19.51
NEW
DCR-21PIN-Direct 21-pin 4-function 1.1Amp direct plug decoder back EMF (Hat) ... £15
DCR-21PIN-Direct Box of 5 (Hat) ... £68
DCR-21PIN-Direct Box of 10 (Hat) ... £120
DCR-8PIN-Direct 8-pin 2-function 1.1Amp direct plug decoder back EMF (Hat) ... £17



DCC23 6-pin 2-function 1A (2A peak) decoder (suitable for N gauge) (Gau) ... £24

BPDC27 8 & 21-pin 4-function 1A (1.8A peak) small OMNI decoder (measures 23x x 27x x 10d mm) x 5 (Gau) ... £71
DCR-8PIN-HarnessMini Box of 5 (Hat) ... £16
DCR-8PIN-HarnessMini Box of 10 (Hat) ... £72
DCR-8PIN-HarnessMini Box of 10 (Hat) ... £128



DCR-8PIN-Harness Box of 10 8-pin (harness) ... £120

4-function 1.1Amp decoder back EMF (Hat) ... £15

DCR-8PIN-Harness Single (Hat) ... £15

DCR-8PIN-Harness Box of 5 (Hat) ... £68

36-553 8-pin 3-function 0.75A decoder back EMF (Bac) ... £15.50



R8249 Box of 6 8-pin 4-function 2-sided 0.5A (1A peak) decoder (Hor) ... £92

R8249 Single (Hor) ... £16

DCR-8PIN-Direct 8-pin compact direct 4-function 1.1Amp decoder back EMF (Hat) ... £17

DCR-8PIN-Direct Box of 5 (Hat) ... £177

DCR-8PIN-Direct Box of 10 (Hat) ... £136

R8118 TTS DCC Sound Decoder 8 pin plug - Class 20 diesel (Hor) NEW ... £36

R8101 TTS DCC Sound Decoder 8 pin plug - Class 31 diesel (Hor) ... £36

R8102 TTS DCC Sound Decoder 8 pin plug - Class 37 diesel (Hor) ... £36

R8110 TTS DCC Sound Decoder 8 pin plug - Class 4073 'Castle' steam loco (Hor) ... £36

R8103 TTS DCC Sound Decoder 8 pin plug - Class 47 diesel (Hor) ... £36

R8104 TTS DCC Sound Decoder 8 pin plug - Class 60 diesel (Hor) ... £36

R8105 TTS DCC Sound Decoder 8 pin plug - Class 67 diesel (Hor) ... £36



R8113 TTS DCC Sound Decoder 8 pin plug - Class 9F 2-10-0 steam loco (Hor) NEW ... £36

R8106 TTS DCC Sound Decoder 8 pin plug - Gresley Class A1 and A3 steam locos (Hor) ... £36

R8107 TTS DCC Sound Decoder 8 pin plug - Gresley Class A4 steam loco (Hor) ... £36

Digital control accessory decoders

DCD-ADS-SX 8-way accessory decoder for solenoid motors and individual CDUs (DCC) ... £68

DCD-ADS-SX COBALT 8 output Accessory Decoder for all Solenoids and other point motors needing momentary power (DCC) ... £50

Digital controllers



36-504RC Dymatis Ultima@ DCC System Trial copy RailController Software (Bac) ... £240



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 DCC controller (NCE) ... £140

DDCC04 Prodigy 'Advance 2' Wireless starter DCC controller package (Gau) £369

DDCC14 Prodigy Advance 2 Backlit Walkaround controller (Gau) ... £104

Digital control accessories



DCD-AEC Cobalt Alpha Central Integrated 12 Way Digital Switch (DCC) ... £110

Point motors

DCP-CB12IP Cobalt ip slow-action analogue point motor - pack of 12 (DCC) £169

DCP-CB12DIP Cobalt ip slow-action digital point motor * 1 (DCC) ... £19.50

DCP-CB12DIP Cobalt ip slow-action digital point motor - pack of 12 (DCC) £200

DCP-CB60IP Cobalt ip slow-action digital point motor - pack of 6 (DCC) ... £5

PL-10 Point Motor (Switch Machine) (Pec) ... £34

PL-10 Bag of 6 (Pec) ... £34

PL-10E Point Motor Extended Pin (use PL-9) (Pec) ... £36

PL-10E Bag of 6 (Pec) ... £34

BPM10 Seep Classic solenoid point motor - Pack of 5 (Gau) ... £26

PM-2 Seep point motor (Gau) ... £4

PM-1 Seep point motor accessory switch (Gau) ... £4.50

PL-11 Side/surface mounted point motor (Pec) ... £7.50

HAT-PM-01 Solenoid point motor including pin extension and 2-way arm for use points and signals. Exclusive to Hatton's (Hat) ... £6.50
HAT-PM-01 Pack of 6 (Hat) ... £35

Switches & Levers

PL-13 Accessory Switch for fitting to turnout motor PL10 (Pec) ... £3



DCP-CBS12 Cobalt S - Lever all accessories - unpainted x 12 (DCC) ... £162

Lighting equipment

WJP500 Lights and Hub set - Just Plug lighting system (Woo) ... £15.50

Scenic tools & materials

PSG-1 Static Grass Micro Applicator (Pec) ... £42

Noah's NOCH's Ark

Noch produce a fantastic range of animal figures that are suitable for use on OO Scale layouts. You can see a small selection of this range below, ask at your local model shop for more details.



N15630 Horses & Riders (4)
RRP £13.95



N15725 Black & White Cows (7)
RRP £11.00



N15749 Sheep (14)
RRP £11.00



N15712 Pigs (12)
RRP £11.95



N15726 Brown & White Cows (7)
RRP £11.00



N15761 Horses (9)
RRP £13.95



N15713 Farm Animals (9)
RRP £11.95



N15727 Brown Cows (7)
RRP £11.00



N15772 Chickens (9) and Geese (8)
RRP £10.95



N15717 Dogs Set One (9)
RRP £11.95



N15730 Deer (7)
RRP £10.95



N15774 Swans (8) and Ducks (8)
RRP £10.95



N15718 Dogs Set Two (9)
RRP £11.95



N15740 Roe Deer (7)
RRP £10.95



N15775 Birds (12) and Nests (3)
RRP £11.95



N15718 Dogs Set Two (9)
RRP £11.95



N15748 Shepherd Sheep & Sheepdog
RRP £11.00

The full range of Noch products includes figures, scatters, buildings, trees, grass matting, and much more. See our website for full details, contact us for a catalogue, or visit one of the model shops listed below.

You can find Noch products in the following Model Shops:

Broughton Rail
11 Princes Street, Broughton in Furness, Cumbria, LA20 6HQ
Buckle Model Centre
44 Cameron Crescent, Buckle, Banffshire, AB56 1AG
Crafty Hobbies
54 Cavandish Street, Barrow in Furness, Cumbria, LA14 1PZ
DKG Hobbies
14 Princes Street, Southport, Lancashire, PR8 1EZ
Hastings Models
134 Crewe Road, Hastings, Greve, Cheshire, CW1 5RQ
Howard Scenic Supplies
www.howardscenicsupplies.co.uk

Insects Model Rail
130 Station Road, Sidcup, Kent, DA15 7AB
Kemow Model Railway Centre
98A Trelowarren Street, Camborne, Cornwall, TR14 8AN
Kil Shop
20 Oxton Road, Birkenhead, Merseyside, CH41 2QJ
Malic's Models
2-4 Pelham Street, Ilston, Derbyshire, DE7 8AX
Model Railways Direct
Unit 2, Phoenix Way, Portlith, Bristol, BS20 7GP
New Modellers Shop
www.newmodellersshop.co.uk
Osborne Sports and Toys
116-118A High Street, Rushden, Northamptonshire, NN10 0PE

Osborn's Models
7 Honstone Street, Bideford, Devon, EX39 2DL
R&R Hobbies
3 Shoppers Walk, Swansea, SA1 3AY
Scale Model Scenery
www.scalemodelscenery.co.uk
Setchfields
21-25 High Street, Poole, Dorset, BH15 1AB
The Model Shop
167 Wiltton Street, Northwich, Cheshire, CW9 5EA
The Railway Conductor
Unit 2, Old Dairy Farm Shopping and Craft Centre, Upper Stowe, NN7 4SJ
Topps Trains
28 Marston Road, Stafford, Staffordshire, ST16 3BS

NOCH products are distributed in the UK by: **GAUGEMASTER** Controls Ltd., Ford Road, Arundel, West Sussex, BN18 0BN, United Kingdom
Tel - 01903 884488 Fax - 01903 884377 email - sales@gaugemaster.com

www.gaugemaster.com/noch



GAUGEMASTER Spotlight Analogue Control



Lifetime Guarantee & Controller Types

Choose your controller for life with the Gaugemaster Lifetime Guarantee...

We have been producing Model Railway Controllers for over forty years. Our analogue controllers have stood the test of time, and so has our lifetime guarantee:

"We undertake to replace, free of charge, any parts found defective within the lifetime of the unit providing that the item has not been tampered with."

What's the difference between the controller types?

Our **Mains Powered Cased Controllers** come complete with transformer, and can just be plugged in, connected to the track, and away you go. **Panel Mounted Controllers** require a separate transformer, and also need to be mounted onto a control panel to be used effectively.

We also produce various controllers with **Feedback** and **Simulation**, two effects controlled by the controller itself. **Feedback** senses the load on the circuit and helps maintain the locomotive at a steady speed up and down gradients. **Feedback** controllers are not suitable for use with locomotives with coreless motors. **Simulation** (also known as Inertia) allows a train to accelerate, coast, and be braked to a standstill, by use of a regulator and a brake.

Mains Powered Cased Controllers

GMC-COMBI Single Track Controller/Transformer
Most Suited for HO/OO/N Scale Layouts



Fantastic for small layouts or beginners upgrading a starter set, the Combi has both a 12V DC output to run one track, and a 16V AC output for accessories.

**BEST FOR
Beginners**

GMC-D Twin Track Controller
Most Suited to HO/OO/N Scale Layouts



Our best selling controller. Runs a two track railway with minimum of fuss. The D Controller has two 12V DC track outputs, as well as a 16V AC output for accessories.

**BEST FOR
Twin Tracks**

GMC-Q Four Track Controller
Most Suited to OO/HO/N Scale Layouts



The best selling four track mains powered controller available today. It offers impressive value for money with its four 12V DC track outputs, and two each of 16V AC and 12V DC outputs for accessories.

**BEST FOR
Four Tracks**

Panel Mounted Controllers

GMC-100 Single Track Panel Controller
Most Suited to OO/HO/N/Z Scale Layouts



Some experienced modellers may wish to incorporate their controller into a panel they have made to control their layout. The Model 100 Controller has a single 12V DC output.

**BEST FOR
Control Panels**

GMC-U Single Track Controller with Simulation
Most Suited to OO/HO/N/Z Scale Layouts



With the brake knob controlling the 12V DC track output, this controller allows you greater realism when running locomotives.

**BEST FOR
Realistic Running**

Hand Held Controllers

GMC-W Single Track Walkabout Single Track Controller
Most Suited to OO/HO/N/Z Scale Layouts



Fitted with 1.5m of cable, this controller allows you the freedom to move around your layout while still controlling your layout. It has a single 12V DC track output.

**BEST FOR
Flexibility**

Did you know...

If you don't have a handy accessory output from a controller, the **GMC-WM1** Wall Mounted Transformer can be used on its own to power accessories, such as point motors and lights from the 16V output. Just plug it in and connect it up!



GMC-WM1 Wall Mounted Transformer
16V or 12V DC 1.1A

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.

GIM353 Gaugemaster Full Catalogue £3.95

PRICES

Cased Controllers

GMC-COMBI	Single Track Controller/Transformer	£44.95
GMC-100M	Single Track Controller	£94.95
GMC-100MO	Single Track Controller for D Scale	£94.95
GMC-10LGB	Single Track Controller for G Scale	£109.95
GMC-10LGBSF	Single Track Controller for G Scale with Fan	£189.95
GMC-P	Single Track Controller with Simulation	£104.95
GMC-D	Twin Track Controller	£104.95
GMC-D5	Twin Track Controller with Simulation	£189.95
GMC-T5	Three Track Controller with Simulation	£189.95
GMC-Q	Four Track Controller	£199.95

Panel Mounted Controllers (Orange text shows transformer required)

GMC-100	Single Track Controller (GMC-T1/M1)	£39.95
GMC-100-O	Single Track Controller for O Scale (GMC-T2/M2)	£49.95
GMC-U	Single Track Controller with Simulation (GMC-T1/M1/WM1)	£49.95
GMC-UF	Single Track Controller with Feedback (GMC-T1/M1/WM1)	£44.95
GMC-UD	Single Track Controller with Simulation for D (GMC-T2/M2)	£64.95
GMC-UD	Twin Track Controller (GMC-T1/M1/WM1)	£59.95
GMC-UDF	Twin Track Controller with Feedback (GMC-T1/M1/WM1)	£64.95
GMC-UD5	Twin Track Controller with Simulation (GMC-T1/M1/WM1)	£79.95
GMC-UT5	Three Track Controller with Simulation (GMC-T1/M1/WM1)	£89.95
GMC-UQ	Four Track Controller (GMC-T2/M2/WM1)	£94.95

Walkabout and Hand Held Controllers

(All GMC-T1/M1/WM1)

GMC-W	Single Track Walkabout Controller	£39.95
GMC-W5	Single Track Walkabout Controller with Simulation	£59.95
GMC-HH	Single Track Handheld Controller with Feedback	£41.95

Transformers

GMC-M1	Cased Transformer 16V AC	£52.95
GMC-M2	Cased Transformer 18V AC 2.5V	£57.95
GMC-M3	Cased Transformer 24V AC	£57.95
GMC-M4	Cased Transformer 12V AC	£57.95
GMC-T1	Open Transformer 2x 16V AC 1A	£29.95
GMC-T2	Open Transformer 18V AC 2.5A	£29.95
GMC-T3	Open Transformer 24V AC	£29.95
GMC-T4	Open Transformer 2x 12V AC 1A	£29.95
GMC-WM1	Wall Mounted Transformer 16V or 12V DC 1.1A	£21.95
GMC-WM2	Wall Mounted Transformer 9V DC (1600mA) 1.6A	£16.95
GMC-WM3	Wall Mounted Transformer Kato Unitrack UK Power Supply	£16.95
GMC-WM4	Wall Mounted Transformer 12V DC Smoothed for Lighting	£16.95
GIMTK1	Transformer Fitting Kit for T1/T3/T4	£15.95
GIMTK2	Transformer Fitting Kit for T2	£15.95

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 884488 Fax - 01903 884377 email - sales@gaugemaster.co.uk web - www.gaugemaster.com

MAINLINE



BOOKING HALL

00 CODE PO320 - £22.99
N CODE PN920 - £20.00

PARCEL OFFICE & WAITING ROOM

00 CODE PO321 - £21.00
N CODE PN921 - £15.00



PLATFORM CANOPY

00 CODE PO340 - £15.00
N CODE PN940 - £16.50
(N version includes 4 bays)



WALL BACKED CANOPY

00 CODE PO341 - £16.00
N CODE PN941 - £10.50



RAILWAY

SIGNAL BOX

00 CODE PO233 - £14.00 (RIGHT AS SEEN)
N CODE PN133 - £9.00 (BELOW, AS SEEN)



00 SMALL SIGNAL BOX

00 CODE PO430 - £10.00



TOWN & COUNTRY

00/N COACHING INN

00 CODE PO228 - £10.50
N CODE PN128 - £10.00



VILLAGE SCHOOL

00 CODE PO253 - £10.50
N CODE PN153 - £11.00
(N GAUGE COMES WITH PLAYGROUND)



00/N PARISH CHURCH

00 CODE PO226 - £15.99
N CODE PN926 - £11.00



MAKE GLUING EASY!

ULTRA FINE TIP
GLUE
APPLICATORS
CODE MT907 -
£4.00

Please note: glue
not included.





METCALFE

Card Construction Kits

SHOP ONLINE NOW: WWW.METCALFEMODELS.COM

METCALFE MODELS & TOYS LTD, BELL BUSK, SKIPTON, N. YORKS, BD23 4DU | T: 01729 830072

POSTAGE: £2.50 FOR ORDERS UP TO £19.99 | £4.50 THEREAFTER

TRADE ORDERS WELCOME: TRADEACCOUNT@METCALFEMODELS.COM



SETTLE-CARLISLE

SETTLE TO CARLISLE RAILWAY STATION

00-SCALE (CODE PO333) - £23.00

N-SCALE (CODE PN933) - £14.00



A BEAUTIFULLY DESIGNED REPLICA OF THE STANDARD SMALL STATIONS FOUND ALONG THE SETTLE TO CARLISLE ROUTE. DESIGNED TO STAND WITH THE SETTLE TO CARLISLE STATION SHELTER (BELOW).

SETTLE TO CARLISLE STATION SHELTER

00-SCALE (CODE PO334) - £11.50

N-SCALE (CODE PN934) - £8.00



MINI KITS



00 CHILDRENS PLAY AREA

00 CODE PO513 - £6.50



MARKET STALLS

00 CODE PO530 - £6.50

N CODE PN830 - £5.50



00 PLATFORM BENCHES

00 CODE PO502 - £5.75



GARDEN SHEDS

00 CODE PO512 - £5.50

N CODE PN812 - £5.50

00 SIGNAL BOX INTERIOR

00 CODE PO580 - £6.50





RAILS OF SHEFFIELD

railsofsheffield.com

Corporate members of

**HORNBY 2018 NEW RANGE!**

R3600TTS	NBR, J36 CLASS, 0-6-0, 673 'MAUDE' WITH TTS SOUND	£127.50	R3639	LMS, 'KING GEORGE VI' PRINCESS CORONATION CLASS 4-6-2 STEAM LOCOMOTIVE 6244	£146.50
R3603TTS	BR, LORD NELSON CLASS, 4-6-0 LOCOMOTIVE 30850 'LORD NELSON' WITH TTS SOUND!	£149.50	R3677	LMS 'DUCHESS OF HAMILTON' PRINCESS CORONATION CLASS 4-6-2 STEAM LOCOMOTIVE 6229	£146.50
R3612	LNER, A4 CLASS, 4-6-2, 4468 MALLARD - LIMITED EDITION ANNIVERSARY PACK	£182.50			
R3615	PECKETT WORKS LIVERY NO.560/1893 0-4-0ST	£79.50	R3580	CLASS 87 87035 ROBERT BURNS BR RAIL BLUE (CROSS ARM PANTOGRAPH)	£129.50
R3617	BR, REBUILT MERCHANT NAVY CLASS, 4-6-2, 35030 'ELDER DEMPSTER LINES'	£129.50	R3582	CLASS 87 010 KING ARTHUR BR INTERCITY SWALLOW LOGO (HIGH SPEED PANTOGRAPH)	£129.50
R3618	BR, REBUILT BATTLE OF BRITAIN CLASS, 4-6-2, 34050 'ROYAL OBSERVER CORPS'	£139.50	R3602TTS	BR INTERCITY, CLASS 43 HST, 'VALENTA' POWERED TRAIN PACK WITH TTS SOUND!	£229.50
R3619	BR, CASTLE CLASS, 4-6-0, 5013 'ABERGAVENNY CASTLE'	£129.50	R3606	PULLMAN, 5-BEL 'BRIGHTON BELLE' TRAIN PACK	£154.50
R3621	LNER J36 CLASS, 0-6-0 STEAM LOCOMOTIVE 722	£107.50		MATCHING COACH PACK:	
R3622	BR, J36 CLASS 'HAIG' 0-6-0 STEAM LOCOMOTIVE 67531	£107.50	R4871	5-BEL 'BRIGHTON BELLE' COACH PACK	£137.50
R3623	LMS 'QUEEN ELIZABETH' PRINCESS CORONATION CLASS 4-6-2 STEAM LOCOMOTIVE 6221	£146.50	R3609	GWR, IEP BI-MODE CLASS 800/0 'QUEEN ELIZABETH II' & 'QUEEN VICTORIA' TRAIN PACK	£229.50
R3630	LNER A4 CLASS 'WOODCOCK' 4-6-2 STEAM LOCOMOTIVE 4493	£129.50		MATCHING COACH PACK:	
R3631	BR H CLASS 0-4-4T LOCOMOTIVE 31265	£99.50	R4870	GWR, IEP BI-MODE CLASS 800/0 COACH PACK	£137.50
R3632	BR 'EAST ASIATIC COMPANY' MERCHANT NAVY CLASS 4-6-2 STEAM LOCOMOTIVE 35024	£137.50	R4816	SR, MAUNSELL KITCHEN/DINING FIRST, 7869	£36.50
R3634	SR, 'SIR FRANCIS DRAKE' LORD NELSON CLASS 4-6-0 STEAM LOCOMOTIVE 851	£129.50	R4817	BR, MAUNSELL KITCHEN/DINING FIRST, S7946S	£36.50
R3635	BR, 'LORD RODNEY' LORD NELSON CLASS 4-6-0 STEAM LOCOMOTIVE 30863	£129.50	R3656	VIRGIN TRAINS CLASS 87 019 'SIR WINSTON CHURCHILL' BO-BO LOCOMOTIVE	£129.50
R3638	BR, 'BIDEFORD' WEST COUNTRY CLASS 4-6-2 STEAM LOCOMOTIVE 34019	£142.50	R3659	COLAS RAIL FREIGHT CLASS 67 023 BO-BO DIESEL LOCOMOTIVE	£123.50
			R3662	GWR GREEN CLASS 153 368 DMSL LOCOMOTIVE	£84.50
			R6888TTS	VENT VAN WITH TTS SOUND	£32.50

**NOW STOCKING**

SEE OUR WEBSITE FOR FULL LISTINGS

Revolution
trains*ALL popular
Manufacturers***ALSO STOCKED AT BARGAIN PRICES!***Electroten***CORGI Jouef****METCALFE****HARBURN HAMLET****Lenz**
ELEKTRONIK GMBH**K&M**
TREES**OXFORD****SCALEXTRIC****model scene****BOGCODE****WILLS-KITS****KATO**
PRECISION RAILROAD MODELS**MATHIESON****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.

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 0RL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.comWeb: railsofsheffield.com [railsofsheffield](https://www.youtube.com/railsofsheffield) [railsofsheffield](https://www.facebook.com/railsofsheffield) [railssheffield](https://twitter.com/railssheffield) [railsofsheffield](https://www.instagram.com/railsofsheffield)



RAILS OF SHEFFIELD

railsofsheffield.com

Corporate members of



WHO WE ARE...

Rails of Sheffield were established in the 1970s by Hedley Barber. Now run by son John, Rails is one of the largest UK suppliers of quality new and second-hand British, American and Continental model railway stock.

We have been selling worldwide for many years and have many long-standing friends and customers in the UK and around the globe! **We do care!** And that is why people come back to shop at Rails time and time again. **We cut prices, not corners**, and will give you 100% to make sure your purchase goes smoothly. If at

any time you have any questions about any aspect of your order **please contact us** and we assure you we will deal with your query in a fast, friendly, professional manner and will do our utmost to accommodate your individual needs.

With best wishes, *the Rails team*



PARKING: There is free parking right outside our shop between 9:30 to 16:00 and plenty of alternative parking in the surrounding area.

VISIT OUR SHOP, SAY HELLO...

Even with our worldwide presence Rails is still a real local model shop, with thousands of items on display and available to view, our friendly staff are on hand for expert advice on all your modelling needs. Test tracks for all gauges, DCC, DCC Sound demonstrations are always available plus the kettle is always on!

OPENING TIMES: 9am to 5pm (Mon to Sat)

TELEPHONE: (0114) 255 1436

24HR TELEPHONE/FAX: +44 (0114) 255 5982

ADDRESS: 21-29 Chesterfield Road, Sheffield, England, S8 0RL, UK

EST. 1970

FOUNDED IN
SHEFFIELD

GIFT VOUCHERS AVAILABLE

STUCK FOR A GIFT?

Our gift vouchers are the perfect solution, starting from just £5.

In-store or Online



VISIT OUR WEBSITE... FOR EVERYTHING YOU NEED, AND MORE!

Since 2002, Rails of Sheffield has endeavoured to provide customers with a great online shopping experience. Recently we've been working hard on new features and a redesigned look. Latest features include an improved faster search, personalisation options, embedded videos and being tablet and smartphone friendly.

For all the latest news, offers and new releases we are just a click away:

www.railsofsheffield.com **www.railsofsheffield.com/exclusive**



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.

RAILS ON ebay 2 STORES, 100'S OF ITEMS ADDED DAILY...



Visit the **RAILS-SHEFFIELD** Ebay store! Specialising in quality new and second-hand model trains, diecast and other rare and highly sought after collectables.



Visit the **RAILS-VAULT** Ebay store! Specialising in second-hand accessories, diecast, restoration projects, scenics and other miscellaneous models.

RAILS TV & SOCIAL MEDIA...

Keep up-to-date with the latest Rails news and updates! Follow and like us on:



[railsofsheffield](https://www.youtube.com/railsofsheffield)



[railsofsheffield](https://www.facebook.com/railsofsheffield)



[railssheffield](https://twitter.com/railssheffield)



[railsofsheffield](https://www.instagram.com/railsofsheffield)

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 0RL - 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://twitter.com/railssheffield)

[railsofsheffield](https://www.instagram.com/railsofsheffield)



RAILS OF SHEFFIELD

railsofsheffield.com

Corporate members of



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@RAILSOF SHEFFIELD.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: MR2018

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 0RL - 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)

[railsofsheffield](https://www.instagram.com/railsofsheffield)

[railsofsheffield](https://www.tiktok.com/railsofsheffield)

**RAILS**

railsofsheffield.com/exclusive

Corporate members of

**RAILS LIMITED - EXCLUSIVE MODELS RANGE 2018**NOW AVAILABLE AT: www.railsofsheffield.com/exclusive**= CALEDONIAN CLASS 812 =**

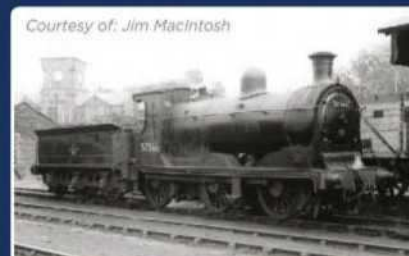
Courtesy of: Hugh Llewelyn



Courtesy of: Jim Macintosh



Courtesy of: Colour Rail



Courtesy of: Jim Macintosh

EXCLUSIVE

**RAILS**

PRODUCT

FIVE VERSIONS AVAILABLE:

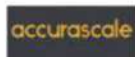
Caledonian Railway No. 828 (as preserved)

Caledonian Railway 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**PRE-ORDER
NOW!****ONLY
£30 DEPOSIT****OO GAUGE MODEL****HOP24 / HUO HOPPER WAGON PACK****EXCLUSIVE EDITION IN PARTNERSHIP WITH
NRM / LOCOMOTION BY ACCURASCALE****SET OF 3 WAGONS / LIMITED TO 250**
No's. B333500, B333501, B333502**PRE-ORDER NOW £69.95****LOCOMOTION**

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 0RL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.comWeb: railsofsheffield.com [railsofsheffield](https://www.youtube.com/railsofsheffield) [railsofsheffield](https://www.facebook.com/railsofsheffield) [railssheffield](https://twitter.com/railssheffield) [railsofsheffield](https://www.instagram.com/railsofsheffield)

NEW! **Laser Cut Modular Mini Baseboards**
PERFECT FOR MICRO & MINI LAYOUTS



- * Build a layout in the smallest of spaces of any length!
- * Incredibly easy to assemble.
- * Plinth accommodates standard point motors.
- * Laser cut MDF gives you a solid base on which to build your layout.

Browse our range of laser cut modular baseboards for micro layouts & dioramas online now....

Prices Start At Just £12.50 Per Module!

scalemodelscenery
 Tel: 01530 456952
 .co.uk

Kits for 'N'	OHLE for 'N'
 N CRANE KITS HR 1.5ton Travelling £8.00 GWR 6ton Yard £11.50 GW 1.5ton Travelling £8.50 MR 6ton Travelling £14.00  N Narrow Mine Train £21.50 N Palisade Fence £2.60 N Palisade Gates £2.60 N PW Wood Trolley £2.70 N PW Steel Trolley £3.50 N Modern Bridge £9.00 N 80s Station Railings £5.20 N Low Security Barrier £6.00	N PORTAL girder and legs 2 track heavy 64mm £4.00 4 track heavy 127mm £5.50 2 track light 60mm £4.00 3 track light 91mm £4.40 4 track light 132mm £5.00 Register Arms x 6 £5.50 N SIGNAL ITEMS Speed Signs x 5 £2.20 Equipment Cabinet x 4 £3.20 Cabinet Stand £10.50 Ground Frame £8.80 Yard lever x 6 £3.40 2 Aspect Colour light £5.20 3 Aspect Colour light £5.70 Ground Signals dummy £5.70

OHLE for OO

OO PORTAL girder and legs

4 track heavy 328mm £16.00
 2 track light 110mm £7.40
 4 track light 330mm £13.00
 Insulator pack of 8 £5.20

www.nbrasslocos.co.uk
 32 Crendon Rd, Rowley Regis, W. Mids.
 B65 8LE. 01384 250478

THE JUNCTION BOX

WANTED - WANTED - WANTED

MODEL RAILWAYS
 Top prices paid for
 N and OO gauge collections
 or individual items, such as

- Airfix • Bachmann • Graham Farish
- Hornby • Lima • Mainline • Peco

or any other makes.
 Will travel to collect.

Please forward your list of items by E-mail to: ian@ihunter10.plus.com
 send to: The Junction Box, 15 Shepherd Terrace, Haltwhistle, Northumberland NE49 9LS
 Or contact Ian **07763 806306 / 01434 320328**
 Please visit our online shop for all your model railway requirements at:
www.thejunctionbox.net

-WANTED- MODEL RAILWAY AND COLLECTABLES

Small or large collections
 in any scale.
 Almost anything will be
 considered
 Top cash prices paid

01302 371623
07526768178

WE WANT YOUR Model Railways

ANORAKS ANONYMOUS
anoraksanonymous@googlemail.com

P. D. K. MODELS

Brass and Nickel Silver locomotive kits. Suitable for 'OO' and 'EM'.

 PDK 73. GRESLEY LNER P1 2-8-2. £120-00	Brass body and tender construction with a Nickel Silver chassis (Beam compensation optional). Resin boiler. Whitmetal and Brass detail parts. Booster and pipework. (Wheels, Motor & Gearbox not included).
 PDK 55. GWR/BR 47xx 2-8-0. £120-00	Brass and Nickel Silver construction with resin boiler and tender body (Beam compensation optional). Whitmetal and Brass detail parts. (Wheels, Motor & Gearbox not included).

SELECTED OTHER KITS

PDK 6 - Maunsell 'W' 2-6-4t.....£110-00
 PDK 14 - SR/BR Maunsell 'L1' 4-4-0.....£93.50
 PDK 71 - LSWR/SR/BR Urie G16 4-8-0 Tank.....£110-00
 PDK 72 - LSWR/SR/BR Urie H16 4-6-2 Tank.....£110-00

COMING SOON - SR/BR H15 4-6-0 (1924 type),
 GWR/BR 56/66xx 0-6-2t, SR/BR D1 & E1 4-4-0's, LNER Sir Sam Fay.

Professional Building Service Available. Price On Application.
 As well as our own kits we will consider other manufacturers kits. Please visit the gallery pages on our website for examples.

Please visit our website at www.pdkmodels.co.uk for further details. Payments are via PayPal on our website and credit/debit card by phone.	Hilltop Bungalow, Carnkie, Helston, Cornwall, TR13 0DZ. Tel: 07732 213251. (Between 10am & 4pm) E-Mail: pdkmodels@hotmail.co.uk
--	---

Now available - List of **Kits & Detailing Parts**, including Chimneys. Download from the website or send a **LARGE A4 SAE**.

POSTAGE

Recorded Postage **£5.00** on Loco kits and **£3.50** on Tender Kits. Parts postage is detailed in the parts list. Overseas customers please email for quote.

MODEL RAILWAY SOLUTIONS

NEW MODEL SHOP NOW OPEN!

- All well known brands stocked.
- Free on-site parking.
- Gift cards available.
- See website for info on our Modular Baseboard & Helix systems.
- We also purchase any unwanted railway items or collections.
- Online shop to follow shortly.

Unit 1, 10-12 Alder Hills,
Poole, Dorset. BH12 4AL.
01202 798068.

www.modelrailwaysolutions.co.uk
Email: info@modelrailwaysolutions.co.uk





MERCHANT NAVY CLASS PLATES
NOW ILLUSTRATED ON OUR WEBSITE

NEW ETCHED SETS ADDED REGULARLY

FOX TRANSFERS LTD
TEL +44 (0)116 319 4950
Unit 5, Priory Business Park, Wistow Road,
Kibworth, Leicestershire LE8 0RX, ENGLAND. callers by appointment.
email: sales@fox-transfers.co.uk web: www.fox-transfers.co.uk



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**

PECO **AIRFIX** **BACHMANN**

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



A trading name of **FINE SCALE BRASS**

£2600.00 DC
£2950.00 DCC & sound
All prices include VAT & UK shipping

55H
Unit 3 Fulford Business Centre
35 Hospital Fields Road
YORK
YO10 4DZ
0113 2761759

www.55H.co.uk



L H Loveless & Co
Fellbeck
Harrogate
HG3 5EP
01423 712446
www.loveless.co.uk

Now in production, hand made in brass to the highest standards by FM models in Korea. O gauge, fully finished, BR standard 7MT "Britannia" class (choice of names) & BR standard 8P "Duke of Gloucester"



Pre-production model on Over Peepers
Courtesy of John Ryan and Cliff Williams





In stock for **Immediate** delivery
BR standard 9F, range of numbers, single/double chimney, both crests, BR1G, BR1C, BR1D & BR1F tenders.
See our websites for details or call John on 0113 2761759 or Lawrie on 01423 712446 **£2300.00 DC**
£2650 DCC & sound



YouChoos DCC Sound

LET'S MAKE SOME NOISE!

experience our most realistic and driveable sounds yet...

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...

Also now stockists of SPROG & PIKO SmartControl

SPROG DCC
Home of the DCC Decoder Programmer

Go online for more information & complete sound database

0844 7725052
www.YouChoos.co.uk john@youchoos.co.uk

Blackwells Of Hawkevell

Miniatures Specialists
Tel: 01702 20036 or 01702 204 210 sales@blackwells-miniatures.com

Heki Tree's & Scenics

www.blackwells-miniatures.com

Make your layout stand out with Heki Trees & Scenic Materials Quality at affordable prices

Order Online or just call to find out about the Biggest and Best range of Scenics on the market today.

Heki 2017 Catalogue £8.95 post paid

Trade Supplied P.O.Box 2099, Hockley, Essex. SS5 4UY Tel: 01702 200036 e mail sales@blackwells-miniatures.com Trade Supplied

www.expressmodels.co.uk

LIGHTING SPECIALISTS

Let our lighting scenic effects bring your layout to life. Our range includes: Flashing Neon Signs, Arc Welding Simulators, Flickering Fires, Working Belisha Beacons, Party Garlands & Flashing Beacons for Emergency and Maintenance Vehicles. We also stock a comprehensive range of Knightwing Products & the excellent ID Photographic Backscenes.

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

Sig-naTrak®

Model railway electronics by GFB Designs

Our DCC controller - now even better!

- 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 3.5A or 5A output!
- USB interface now built in as standard!

The ACE-2
NMRA-compliant DCC controller with full decoder programming and reading functions. Compact: only 220x150x45mm!

£192.00 DCS2044-2 3.5A
£204.00 DCS2044-2H 5A

and for accessories..... £14.00

The IMP (part no: DSI1001)
Servo controller - DCC or DC. £28.00

The GEM (part no: DPD2001)
Point motor - DCC or DC. £17.00

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™

- DAC22 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. £83.00
- 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

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, NEW Michael Portillo In OO and now O Gauge, NEW O Gauge Loco Crew, Fireman & Driver, £9.50 each painted, £8.50 each unpainted

HAND PAINTED MODELS 'OO' Gauge £4.99 each

VIP Passengers Holmes & Watson, Modern Track Worker, Brunel 00 and O 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 £9.50 each, Primed 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

www.GoldenValleyHobbies.com

New Electrotren Locos Just £59.99!!

GV2017 GWR No629 0-6-0 Steam Loco
GV2018 Petroleum Black Ajax No38 0-6-0 Loco

DCC Ready
5 pole motor
Hornby Couplings

Due September - Order Now !!!

Try your model shop first, In case of difficulty models available direct by post from our address
Trade Enquiries welcome. 01981 241 237

GVH, Unit 1, Pontrilas Business Park, Pontrilas, Hereford, HR2 0AZ
P&P £3.99 per order

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

Exclusive Limited Edition 500 Pcs
 Bachmann 32-381L Class 37 - 37419 DB Schenker



Available to pre-order NOW! £159.95 each

Plastix **W** **mig** **WOOD AND SCENES** **Humbrol** **P&D MARSH** **NOCH** **f** **t**

Tel: 01733 895989 e-mail: Trains4U@BTConnect.com

OSBORN'S MODELS

SHUNTERS TRUCK **N GAUGE** **GWR** **OSBORN'S MODELS**

DOING IT SCALE ON A BIG SCALE

7 HONESTONE ST, BIDEFORD, N. DEVON, EX39 2DL 01237 423453

www.osbornsmodels.com

TRAINEES
 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

www.YorkModelrail.com

Precision laser cut architectural components and scenery detailing; helping you create your models

Unique range of laser cut parts, kits, tools & materials
 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 list available 01904
 Unit 13, Bull Centre, Stockton-on-the-Forest, York, YO32 9LE 400358

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

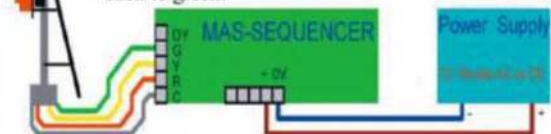
www.cranegardenbuildings.co.uk Telephone 01760 444229

HEATHCOTE ELECTRONICS

detection control effects

The MAS-SEQUENCER controls 2, 3 or 4 aspect LED signals. After passing the signal the train is detected with the MAS-SEQUENCERS built in infra red detection. This causes the signal to change to red. The MAS

-SEQUENCERS adjustable timer now starts changing the signal to yellow, (then double yellow for 4 aspect) and back to green.



The diagram shows the simplicity of the wiring. A terminal is also provided for Manual override to red for stations and junctions. Lines with more than one signal use IRDASC-4 units to control the other signals. A single wire from the MAS-SEQUENCER to the IRDASC-4 synchronises the aspects of the signals. Units are compatible with conventional and DCC control.

For working Dapol semaphore signals automatically we have the Semaphore-Sequencer. This detects trains approaching the signal, changes the signal to clear and starts an adjustable timer. At the end of the timing interval the signal returns to danger.

MAS SEQUENCER £17.00 SEMAPHORE SEQUENCER £17.40
p & p £3.80 per order

Payment by cheque credit/debit card, paypal or postal order.

See our informative website for more information about our large range of signal controls.

www.heathcote-electronics.co.uk

email: cah@heathcote-electronics.co.uk phone/fax: 01538 756800
Heathcote Electronics, 1 Haydock Close, Cheadle Staffs, ST10 1UE



FROME MODEL CENTRE

Service and quality the way it should be

Established since 1986

**QUALITY
MODELLING
PRODUCTS**

We are the largest independent family run model shop in the country, situated in the historic town of Frome in the beautiful county of Somerset. We offer our customers the largest, most diverse range of modelling products under one roof with very helpful and friendly service second to none.

Many years of experience in the model trade and we offer free solid advice on all the ranges we stock (which is in the region of 40,000 lines) not to mention the countless number of goodies that are available and which we are more than happy to order for you, if we had the space we would stock them all!

So if you're new to the modelling hobby, an intermediate or a veteran modeller we will have something to wet your appetite.



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

**SouthWest
digital**

Distributor
for the UK



**As real
as it gets!**

Crystal clear digital sound

Photos: Chris Perkins

New YouTube channel, see website for details
ALL products come with a 2 year warranty and FREE return postage

**Close your eyes and
you're there!**

UDRIVE

responsive sound algorithm

The highest quality sounds in all gauges. A wide range of responsive steam and diesel sounds developed for the all new UDRIVE



Test drive the latest loco sounds with stunning clarity at SWD - call now for more info

T: 01934 515382

info@swd4esu.co.uk

www.southwestdigital.co.uk

Easy sound, lighting & control for all!

NEW Ground Signals



Modern and
Original Colours

- DC Version for standard switches £16
- DCC Fitted Version for DCC control or automate with optional track sensor £35

NEW Multi Aspect Signals



- DC Version for standard switches £20
- DCC Version for control by DCC £42
- Automatic Sensor Signal Version £55

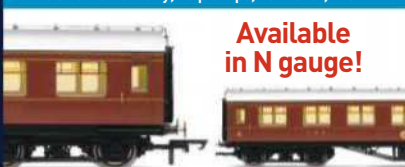
Colour Light Signals DC & DCC fitted versions



00 2, 3, 4 Aspect From £10

Automatic Coach Lights for any Coach

Turns on automatically, no pickups, no flicker, From £20



**Available
in N gauge!**

NO wires - fit this in seconds! Multipacks available

Clip-in Buffer Lights & Track Testers

DC & DCC N & 00 only £5 each



Various Lighting Effects £15

Welding, Fire, Disco, Random, TV, Emergency



Available direct from **www.dcpexpress.com** & model shops

Order by 3pm for same day First Class despatch



Train-Tech
Model Technology Made Easy



01953 457800 / www.Train-Tech.com

sales@dcpmicro.com

£4 UK P&P - this month quote MR247 for £2 off postage!



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



PLUS MANY OTHER RANGES OF SCENIC
MATERIAIS, BUILDINGS, VEHICLES etc

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



C & L FINESCALE

TRACK BUILDING SYSTEMS



**TRACK BUILDING
MATERIALS FROM
C & L FINESCALE
AND EXACTOSCALE**

Ranges in
4MM OO, EM P4,
and 7MM O Gauge

For current exhibition listing please check our website.

Office hours 9.30am to 16.00pm Monday to Friday

Telephone **01372 748490**

www.finescale.org.uk

C & L Finescale Track Building Systems Ltd
125 Beaver House, 12 East Street, Epsom KT17 1BX



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

THE HOBBY SHOP

Est. 1988

www.hobb-e-mail.com 01795 531666 info@hobb-e-mail.com

COMING SOON



New address:

85 Preston Street, Faversham, Kent, ME13 8NU

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



THE MODEL RAILWAY SPECIALISTS

07723 336344

email: pre-owned@dbmodels.co.uk

Unit 3 The Arena, Roman Bank, Bourne, Lincolnshire, PE10 9LQ

Visit our website

www.dbmodels.co.uk

**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.



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

Durham Trains of Stanley



"more than just a model shop"

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

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.

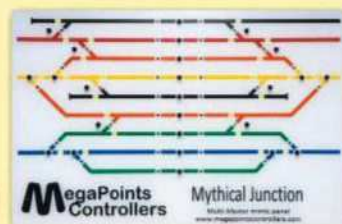
See website videos and product pages for more information.

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.

Web & details: megapointscontrollers.com



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!



Rev 17-03

Visit → scalescenesc.com

Download → Print → Build

NEW editable S.R, G.W.R, L.M.S and L.N.E.R station sign & posterboard packs now available.

For £2.99, it's a simple and very cost effective way to create your own authentic looking custom station signs.



Buy once unlimited prints

View our large range of N and OO kits and texture sheets

The home of quality downloadable card model railway kits since 2005

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 £5.95 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

CARD KITS FROM THE CARD MODELLING SPECIALISTS
BILT-EEZI
Card kits & backscenes
Unsurpassed artist-drawn designs
Colour-printed on thin card (not die-cut), with lots of optional parts.

"The Manor"
Based on multiple F4 kits with added detail parts and Scene-Setters glazing

2mm kits: £1.50 ea. 4mm kits: £2.50 ea.

SAE for brochure (B&W)

C3 Country goods shed	E6* Georgian house backs
C4 Gas holder etc	F1* Row of stone cottages
D1 2 thatched cottages	F2* Stone smithy & house
D2 Farm outbuildings	F3 Stone chapel
D3 Large barn	F4* Stone hotel / inn
D4* Half timbered house	F5* Stone school / w house
D5 Library or shops	F6 Walls, fences, paving etc
D6 Town house, shops etc	G1* Low relief row of shops
E1 Det. house or 2 semi's	G2 Brick houses / shop
E2 Bungalow & garage	G3 "Scots" Warehouse
E3 Post-war flats	G4 Goods receiving depot
E4 Police stn / offices	* NB TEMP OUT-OF-PRINT:
E5 Fire station	'OO' A1, B2, E6, F1, F2, G1,
	'N' A1, B3, B6, D4, F4, F5

P&P (UK) £3.00 per order. Overseas at cost
Cheques to "Freestone Model Accessories"
Callers by appointment only please

FREESTONE MODEL ACCESSORIES
GIVE A TRY DATE & 34g SECURITY IN
Web: www.freestonemod.co.uk
e: sales@freestonemod.co.uk

Airbrushes.com

The Airbrush Company Ltd

Airbrush Equipment - Paints - Accessories - Training - Servicing - Spares

Professional Airbrush

Valet Service

Have your airbrush professionally cleaned, serviced & returned to you for **£40 inc VAT**



iwata



Professional Iwata airbrushes

SPARMAX Air Compressor **ZETA**



Innovative Smart-Stop Hanger

Pauses the compressor when airbrush is placed into holder and restarts it when taken off again. Can be detached from the compressor and positioned on your worktop using the clamp provided.

*Cost of replacement parts will be charged in addition. Terms & conditions apply.

www.Airbrushes.com

01903 767800

sales@airbrushes.com

GREAT EASTERN MODEL RAILWAYS

Goes Scenic

Friday 4th May 2018

10am - 3pm

- Scenic Demos • Layout Advice •
- Static Grass Demonstration •
- Weathering Workshop •
- Modelling The Scenery •
- Kit Building and Detailing •
- Refreshments • Free Parking •

DISPLAYS FROM:



COME FIND US AT:

199 PLUMSTEAD ROAD, NORWICH, NR1 4AB

01603 431457

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!



NEW & USED MODEL RAILWAYS

Specialists in Model Trains since 1994 - Servicing, Repairs & DCC Decoder Fitting
2J Brighouse Business Village, Riverside Park, Middlesbrough, Cleveland TS2 1RT



Tel: 01642 909794

Open Mon-Sat 10am-5pm

Web: www.petersspares.com

Email: sales@petersspares.com



Illustrated Catalogues Including Post
OO, OO9 (1/76th) £6 in Colour
N (1/148th) £5 in Colour
O (1/43rd) £4 in Colour

Mail Order By Return P+P £4,
over £40 Post Free. Unpainted metal
kits-glue with epoxy glue (£7)

LANGLEY MODELS



166 Three Bridges Road, Crawley, Sussex, RH10 1LE
Tel 01293 516329 www.langleymodels.co.uk



OO SCALE
Mill & Pillar Drill
£6.20 lathe and sander
£6.20 lots of other kits
& ideas see colour catalogue
www.langleymodels.co.uk

Cliff Railway
(OO £144.95, N
£115.60) Includes
coaches rollers,
control electronics,
motor.



5 Policemen in various positions.....	£4.95	Special Suburban	
Assorted Agricultural Tools & Equipmen.....	£4.15	Station Building	
Ass Industrial Tools & Equipmen.....	£4.15	£10 (rrp OO £37.55,	
Platform Machines (tickets chocolate weighing scales).....	£5.70	N £17.50)	
Ind Machine. Mill & Pillar Drill.....	£6.20	Needs 12v. track, paint,	
Ind Machine Lathe & vertical sander.....	£6.20	glue to complete.	
Ind Machine Fly Press & Pillar Tool Grinder.....	£5.35	2 small Station Name Board	
2 Wheelchairs Patients and 2 pushing.....	£4.85	(46x8mm).....	£5.20
Scuba Diving Equipment.....	£4.85	2 wide Station Name Board (62x15mm).....	£5.20
Scuba Divers / frogment x 4.....	£5.15	Canoe's & figures (single & double).....	£4.90
Vertical Boiler & Steam Water pump/flywheel.....	£15.55	10 chickens & 1 cockerel.....	£4.40
Vertical Boiler only.....	£10.25	12 assorted Seagulls.....	£4.75
Gargoyles & water spouts/outlets.....	£4.75	Small Seashore Turns & Blackhead Gulls.....	£3.60
Waterline Bouys & Deep water markers.....	£5.10	6 assorted Cats.....	£4.05
Wharfside/Jetty Clutter (rope, bouys, fenders).....	£4.75	Foxes, boxing Hares & rabbits.....	£4.05
4 Photographer Figures & Camera Box.....	£4.75	10 Wild animals.....	£5.70
4 Busters / Music Players.....	£5.20	10 Wild birds.....	£4.60
4 Street Entertainers.....	£5.10	12 assorted Doves & pigeons.....	£4.60
18ft Market Stall - Toy stall.....	£15.10	4 assorted Deer & 1 stag.....	£4.60
18ft Market Stall - Grocer/general stall.....	£15.10	8 assorted Rock Climbers.....	£6.80
18ft Market Stall - Vegetable stall.....	£15.10	4 assorted Firemen in action poses.....	£4.60
18ft Market Stall - Bread/Cake Stall.....	£15.10	6 Trawlermen/Fisherman Figures.....	£4.40
18ft Market Stall - meat stall(11ft refrigeration unit).....	£12.50	3 Assorted Donkeys (unharnessed).....	£3.70
5 Firemen with FIRE transfers.....	£4.95	3 Beach Donkeys and Children.....	£4.40
5 Modern/70's Firefighters (breath aparatus).....	£4.95	Beach Set (figures and equipment).....	£5.60
NEW 6 x Vic/Edw Firemen various poses.....	£5.30	8 Guards Marching.....	£5.00
NEW Fire Fighting Equipment/hoses etc.....	£4.15	Guards Colour Party (Flags) (5 figs).....	£3.80
6 Picnic-lounging figures.....	£5.20	Guards Marching Band.....	£5.40
Rowing boat & fisherman.....	£5.20	Cub/Scout Camp Set.....	£5.60
Rowing boat & rowing figure.....	£4.90	6 Assorted Cats.....	£3.10
2 large Station Name Board (68x8mm).....	£5.20	2 x Pub Table/bench (real wood).....	£3.80
		Church Stained Glass Windows / Spire.....	£6.30
		6 Seated Passengers / Figures. Set 1.....	£4.20
		6 Seated Passengers / Figures Set 2.....	£4.20
		4 Buys (two floating 2 on wharf) 3 boat fenders.....	£3.10
		6 Station Platform Staff.....	£4.20
		Garage Accessories 4 Pillar Ramp.....	£6.10
		Wharf/Harbourside clutter lobsterpots fish trays etc.....	£4.20

N Scale Kits Lattice Pit
Head Gear &
Lift cage £89.00
OO (£182)



Leyland Tiger TS7 coach 1935.....	£13.00	4 pallets & hydraulic pallet truck.....	£4.30
Leyland Hippo lorry 1947.....	£8.40	Beehives and bee-keepers.....	£4.50
Parcel van - 1 horse.....	£6.00	6 Bulk Building Bags.....	£3.80
Delivery trolley - 2 horse.....	£6.30	Band Stand.....	£9.60
Hansom Cab.....	£4.40	Air Conditioning Cabinets (2 wall, 4 floor).....	£3.50
Gypsy caravan, horse & figure.....	£10.10	6 Assorted Rock Climbers.....	£4.80
Morris Commercial Van 1 ton 1950's.....	£5.80	4 Assorted Highland Cattle.....	£4.40
Shand Mason horse drawn fire engine.....	£10.10	6 Assorted Firemen in action poses.....	£4.60
Leyland Beaver flatbed lorry 1948-70's.....	£8.30	6 Trawlermen/Fisherman Figures.....	£4.40
Leyland Beaver 3 way Tipper 1948-70's.....	£8.30	3 Assorted Donkeys (unharnessed).....	£3.70
Coal cart - horse drawn.....	£6.00	3 Beach Donkeys and Children.....	£4.40
Brewery Dray - horse drawn.....	£6.20	Beach Set (figures and equipment).....	£5.60
Railway Delivery lorry 5 ton 2 horse.....	£6.20	8 Guards Marching.....	£5.00
Ruston Bucyrus 19RB face shovel '37-55.....	£15.80	Guards Colour Party (Flags) (5 figs).....	£3.80
19-RB dragline/clam bucket/demol '37-55.....	£23.50	Guards Marching Band.....	£5.40
AEC Mercury Tractor & low loader 50's.....	£9.50	Cub/Scout Camp Set.....	£5.60
AEC Mercury tractor/flatbed trailer 50's.....	£8.30	6 Assorted Cats.....	£3.10
AEC Mercury 3 way Tipper 1950's.....	£8.50	2 x Pub Table/bench (real wood).....	£3.80
AEC Marshall/Mammoth Major flatbed.....	£8.50	Church Stained Glass Windows / Spire.....	£6.30
Leyland Beaver & low loader 1947.....	£9.50	6 Seated Passengers / Figures. Set 1.....	£4.20
22-RB Face Shovel Crane 55 onwards.....	£15.90	6 Seated Passengers / Figures Set 2.....	£4.20
22-RB Dragline/Demolition Crane '55 on.....	£23.50	4 Buys (two floating 2 on wharf) 3 boat fenders.....	£3.10
22-RB Lattice Crane & Fly Jib '55on.....	£24.80	6 Station Platform Staff.....	£4.20
225hp Bulldozer Circ 1960's.....	£12.60	Garage Accessories 4 Pillar Ramp.....	£6.10
Preistman Hydraulic Excavator.....	£15.80	Wharf/Harbourside clutter lobsterpots fish trays etc.....	£4.20
Barber Green Aggregate Loader.....	£13.30		
Austin LD Ambulance.....	£6.60		
Leyland 8 wheel Bulk Tanker.....	£10.00		
AEC 8 wheel Bulk Tanker.....	10.00		

Sponsored by



SQUIRES



50th Annual BRISTOL MODEL RAILWAY EXHIBITION 2018

THORNBURY LEISURE CENTRE
ALVESTON HILL, Thornbury, BRISTOL, BS35 3JB

Friday 4th May 1pm - 7pm
Saturday 5th May 10am - 6.30pm
Sunday 6th May 10am - 5pm



Advanced ticket Prices
Adults £7.50.
Young Adult (12-16) £6.00.
Accompanied Children FREE!

FREE PARKING at Leisure Centre
Thornbury & miles from Jan 16 on HS & Jan 1 on A466
All parts of the Exhibition accessible to
Wheelchair users.

Advanced show are available now by post
Bristol Model Railway Exhibition c/o 15 Mount Pleasant, Littleham, Bidford, Devon EX39 5HW
Closing date for advanced ticket applications Fri 27th April 2018
or in person at
Modelmania, Bristol
Cheltenham Model Centre
Lord and Butler, Cardiff



For door prices and further information
check www.bristolmodelrailex.co.uk
ASSOCIATION OF MODEL RAILWAY CLUBS, WALES & WEST OF ENGLAND LTD



HARBURN HOBBIES
Scotland's longest established model shop
87 Elm Row, Leith Walk, Edinburgh EH7 4AQ
Tel: 0131 556 3233 email: sales@harburnhobbies.com



HARBURN HAMLET
Acclaimed Accessories



HN601



HN602



HN603



HN604



HN605



HN606



HN607



HN608



HN609



HN610



HN611



HN612



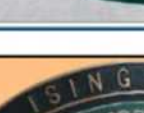
HN613



HN614



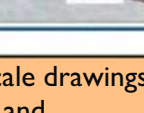
HN615



HN616



HN617



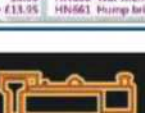
HN618



HN619



HN620



HN621



ISINGLASS MODELS

LNER scale drawings and 3-D printing services.

LNER scale drawings
Over 500 drawings of Locos, coaches & vans, available in scales from 4mm up to G1 (G3 by request).

3D printing
Gresley carriage sides, roof profiles to fit any kit and other components designed and printed to order.

LNER Corridor connector, available in 4mm & 7mm





27 Grange Road, Toddlington Dunstable. LU5 6BZ
Web : www.isinglass-models.co.uk
Email : Isinglass@Edgson.net



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



FMR
FRIZINGHALL MODELS & RAILWAYS

www.modelrailshop.co.uk
Tel: 01274 747447
E-mail: shop@fmrdirect.co.uk

THE MODELLER'S CHOICE
Unit 8A Sapper Jordan Rossi Park
Otley Road, Baildon, BD17 7AX



391-028 - Bachmann Baldwin Class 10-12-D Humpty Ashover Black - Weathered - (009) - £131.99



391-025 - Bachmann Baldwin Class 10-12-D 4-6-0T - Weathered - (009) - £131.99



32-858 - Bachmann Std Class 9F 2-10-8 with late Crest - Weathered £140.50



L142127 - LN Diesel Loco O&K Works Nr.2 with Light (HOe) £14.20



Bachmann Branchline 31-653RJ Class 47 ScotRail "Lady Diana Spencer" Limited Edition for Northern UK Bachmann retailers.



R577 - Sentinel 0-4-0 Graham (OO) - £67.49



RC33209 - Feldbahn Leo Diesel Loco (Hoe) - £44.99



GR-451A - Lynton & Barnstaple 3rd Class Coach - (009) - £44.99



32-815RJ - £154.95
Bachmann Branchline 32-815RJ Class 47/8 47805 "John Scott" in Direct Rail Services blue - Limited Edition for Northern UK Bachmann retailers



EFE34203 - AEC RLH Weymann "Samuel Ledgard" Honsforth (OO) £10.99



EFE16540 - Leyland Atlantean Metro Cammell - 101 to Presto (OO) £9.95



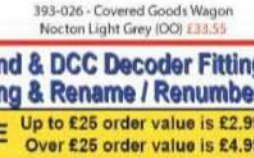
393-025W - Covered Goods Wagon WW1 Weathered (OO) - £32.95



EFE36120 - Bristol VRT British Rail Training vehicle (OO) £34.95



EFE18010 - Daimler Fleetline Huddersfield Corp (OO) - £19.95



393-026 - Covered Goods Wagon Nocton Light Grey (OO) £33.55



DCC Sound & DCC Decoder Fitting
Weathering & Rename / Renumber
POSTAGE Up to £25 order value is £2.99
Over £25 order value is £4.99

OPENING HOURS: MONDAY to SATURDAY (CLOSED WEDNESDAY) 9.30 - 5.30

just-tracks 4mm Finescale Trackwork



Handmade Trackwork

Layout Design/Construction

Tel: 01793 881515

Email: info@just-tracks.co.uk

www.just-tracks.co.uk

STOWMARKET RAILWAY CLUB

MODEL RAILWAY EXHIBITION

Mid Suffolk Leisure Centre
Gainsborough Road, Stowmarket,
Suffolk IP14 1LH

Sunday 22 April 2018

STOWMARKET, Suffolk

Organiser: Stowmarket Railway Club
10.30am - 5pm

Admission: Adults £4.00.

Accompanied children free.

16 layouts, 14 Trade Stands.

Contact: 01449 771360
stowrailclub.org.uk

No more track wiring!

True, battery powered wireless control!

*Plug-and-go parts that fit into a
wide range of 4mm and above locomotives!*



- No more pickups!
- No more dirty track to clean!
- Works on existing DC or DCC layouts
- Long running times on a single battery charge

www.protocab.com

Acc+Ess Limited

Glenrhu Bowermadden Highland KW1 4TW

email: sales@protocab.com tel: 07831 231164

UK agent: Model Railway Developments

www.emardee.org.uk



ACC+ESS
Protocab

MODEL RAIL Marketplace

CALL VICTORIA ON 01733 366395 • victoria.matthews@bauermedia.co.uk

Books & DVD's

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

Books & DVD's

NICK TOZER
RAILWAY BOOKS
RAILWAY BOOKS BOUGHT & SOLD
Free Railway Booksearch Service
155 Church Street, Paddock,
Huddersfield, HD1 4UJ
(Shop: Tue/Wed 11:00-17:00 / Thu 14:00-20:00)
www.railwaybook.com email: nick@railwaybook.com
Tel: 01484 518159

DCC

Mark's Trains A RENOWNED SPECIALIST DCC CONVERSION SERVICE

- All scales and budgets • Friendly, reliable service • Quick turn-around
- Servicing and repairs • Weathering Service • Official Zimo, ESU & Lenz Dealer

Contact Mark: **07515 436396** • Email: info@marks-trains.co.uk
www.marks-trains.co.uk

Fun Days Out

SUNDAY APRIL 29TH
Chester le Street, North Lodge,
Park View School DH3 4BB
Entry is £3 Adults, Children and Seniors £2. Early entry £5
Time 11am-3pm

SATURDAY MAY 19TH
Gateshead Stadium
NE10 0EF
Entry is £3 Adults, Children and Seniors £2. Early entry £5
Time 10am-3pm

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/deal	£99.95

Most parts available separately

P.O BOX 4293, WESTBURY BA13 9AA
Tel/Fax: 01373 822231
E-mail: sales@branchlines.com

Cat's SS&E + £1 (in stamps) or £2.50 C. Card and PLEASE STATE INTERESTS

P&P: UK £2.25 (value under £30), £3.50 (£30 to £50), £4.50 (over £50).
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

Kits

Protocab
The wireless control system for battery powered locomotives

Rocking W-irons
For torsion springing of coaches and express freight stock with 3ft 6ins wheels. Also with inset tops for thick solebars

Further details at...
www.emardee.org.uk

- 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

Photographic

Colour-Rail photo library
85,000 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

Transfers

Model Bus Transfers
(Water slide Transfers)
Any Design, Any Size.
Send me the details and I'll create your transfer.
Please call 02380571730 - [International calls welcome]
or email your requirements: p.paine1@virginmedia.com
25 Sarnia Court, Lords Hill, Southampton SO16 9PZ
Buses, Trains, Planes, Boats and Specialised Road Transport

Dealer Directory

Bedfordshire

Order Online today
www.agrmodelrailwaystore.co.uk
AGR Model Railway Store Ltd
9 High Street Mews, 28 High Street,
Leighton Buzzard, Bedfordshire LU7 1EA
01525 854788
sales@agrmodelrailwaystore.co.uk
Monday - Friday 9am-5pm. Saturday 9am-4pm
NOW buying your unwanted model railway collections

Buckinghamshire

P & D Marsh
Model accessories for N & OO

Painted & finished signals

GWR Home	N £7.60	OO £11.00
GWR home/distant	N £8.65	OO £13.50
GWR Left junction	N £14.50	OO £18.95
GWR Right junct.	N £14.50	OO £18.95
Painted loco crew	N £7.60	OO £8.00
Painted fire buckets	N £6.50	OO £6.75

www.pdmarshmodels.com 01525 280068

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

Dealer Directory

Cheshire

TRIDENT TRAINS
No10, The Craft Arcade, Dagfields Craft Centre,
Crewe Road, Walsingham, Nantwich,
Cheshire. CW5 7LG
www.tridenttrains.co.uk
HORNBY • BACHMANN • HELJAN • FARISH • DAPOL • PECO • LENZ
• TCS • GAUGEMASTER • METCALFE • RATIO & MUCH MORE
01270 842400

Online Shops

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

roxeymouldings.co.uk
Loco, Coach & Wagon Kits
Fittings & Accessories
Wheels / Motors & Gears
in OO and O
Tel: 01932 245438

Mercian Models
Producing your locomotive and rolling stock in 4mm/7mm/10mm
SEE OUR WEBSITE
www.modelrailways.tv

Howard Scenic Supplies
Your first stop for model railway scenery

NOCH ANCORTON MODELS SUPERQUICK FALLER Auhagen
OXFORD Heki B&B Printers Backscenes Preiser BUSCH

www.howardscenicsupplies.co.uk
Email: sales@howardscenicsupplies.co.uk Tel: 01206 385409

Cumbria & Lake District

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, Wigan, Cumbria CA7 9AL
Telephone 01697 342957

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

Dealer Directory

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

Cumbria & Lake District

Crafty Hobbies

South Cumbria's number one shop for model railways, crafts, and doll's houses.



www.crafty-hobbies.co.uk
54 Cavendish Street,
Barrow-in-Furness,
T: 01229 820759

North Yorkshire

MonkBar Model Shop

Large selection of OO & N Gauge
2 Goodramgate, York - YO1 7LQ - 01904659423

monkbarmodelshop.co.uk

Nottinghamshire

ITEMS MAIL ORDER LTD

MAYFIELD, MARSH LANE,
SAUNDBY, RETFORD,
NOTTS DN22 9ES

Tel/Fax: 01427 848880

BA SCREWS IN BRASS,
STEEL AND STAINLESS.

DRILLS, RIVETS, TAPS, DIES,
END MILLS, SLOT DRILLS.

PHONE FOR FREE LIST

Staffordshire

TUTBURY MODELS

COLLECTABLES 01283 814777 MODELS
5 Mill Mews, Tutbury,
Nr. Burton-upon-Trent DE13 9LU.

Available Now:
Bass/Worthington vent van £13.50 + £3.00 P & P
(Can send up to 6)

Available Now:
6 Wheel Milk Tanker Nestle - OO Gauge
£17.50 + £2.00 P & P

Available SOON:
6 Wheel Milk Tanker Nestle - O Gauge
Orders invited for the O Gauge.

THE HOBBY GOBLIN

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

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 Charlack Way, Burpham, Guildford, Surrey, GU1 1XY
coach-lighting.com

Surrey

Addlestone Models

The Shop with the Stock

Surrey's leading Discount Model Centre

Open 7 Day's

Mon - Sat 9:30 - 5:30, Sun 11 - 2

130 Station Road, Addlestone.

Surrey. KT15 2BE

www.addlestone-models.co.uk

01932 845440

Tyne & Wear

Pooleys Puffers

Model Railway
Supplies, New &
Secondhand
Bought & Sold

Tele: 0191 4910202 Mobile: 07976 519178
www.pooleyspuffers.com e-mail: pooleyspuffers@btopenworld.com

382a Jeddburgh Court,
Team Valley Trading Estate,
Gateshead, Tyne and Wear NE11 0BQ

Mon-Sat 10am - 5pm
When attending weekend exhibitions
Shop will be CLOSED. Please phone FRI/SAT
for opening times. Closed Sunday.

All major credit cards accepted.
Part exchange welcome

WE NOW STOCK BACHMANN

PECO HORNBY GAUGEMASTER

DAPOL JAVIS METCALFE

SUPERQUICK WILLS RATIO

Did you know...

84% of our readers
agreed they usually

read the
classified adverts

in Model Rail*

*Sourced: BauerPower2016

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

THE MODEL SHOP

PECO DAPOL GRAHAM FARISH HORNBY

Large stock of new & used railway items
Die-cast, Plastic Kits. Also RC Cars.

Open 7 days a week

Monday Saturday 9:00 17:00
Sunday 10:00 14:00

We Have Relocated OXFORD

A warm welcome awaits you

Email: modelshop117@gmail.com

65 New Road, Portsmouth, PO2 7DX,

Tel No: 023 92738 111

Isle of Wight

Visiting the Isle of Wight?

Two floors of
engines, wagons, coaches, buildings,
scenery, electrics, figures, cars
and much more!

N/O09/HO/OO/On30/G

UPSTAIRS DOWNSTAIRS

Pier Street - Sandown - PO36 8JR
01983 406 616 - www.udlow.com

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

CHURCH STREET MODELS

A wide range of New OO & N gauge
Incl. Hornby, Bachmann, Dapol,
Farish, Heljan, Oxford & much more

Mon, Wed-Sat 09.30-17.30

10A Church Street, Basingstoke,

Hants RG21 7QE

01256 358060

www.churchstreetmodels.co.uk

Kent

ROCHESTER GAMES MODELS & RAILWAY

FREE All your wargaming,
parking modelling and railway
needs under one roof

Shop Opening Hours: Mon-Sat 10am to 6pm,
Sun 10am to 4pm.

Late night opening Tuesdays and Thursdays.

21 Corporation Street, Rochester,
Kent ME1 1NN

Tel: 01634 815699

Email: rochester-games-models@gmx.co.uk

www.rochestergamesmodelsandrailway.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, Hornby, Dapol, DJ Models, Oxford Rail, Heljan and Peco

We also hold a large range of modelling accessories, vehicles and scenic materials

Wednesdays, Fridays & Saturdays 10.30am-4pm (Summer Saturdays 4.30pm) Sundays 11am-3pm

(See our Website/Facebook Page for other opening days)

Telephone: 01749 880651 - www.esmodels.co.uk - Email: mail@esmodels.co.uk

Sussex

GREAT NEWS!

Train Times Model Shop

is now open again.

Find us at

37 Seaside, Eastbourne, BN22 7NB

(01323) 722026

traintimestoo@gmail.com

www.traintimesmodelshop.co.uk



ADVERTISERS' INDEX

AC Models	133
Alton Model Centre	138
Anoraks Anonymous	132
Association of Model Railways	140
Blackwells of Hawkwell	134
C&L Finescale	137
C&M Models	138
Coastal DCC	137
Crane Sheds & Summerhouses	135
DB Models	137
Dapol	2
Durham Trains of Stanley	138
Ellis Clark Trains	91
Express Models	134
Finescalebrass (UK)	133
Fox Transfers	133
Freestone Model Accessories	139
Frizinghall Models & Railways	141
Frome Model Centre	136
Gaugemaster	124-125, 148
GFB Designs	134
Golden Valley Hobbies	134
Great Eastern Railway Company	140
Harburn Hobbies	141
Hatton's	80, 116-123
Heathcote Electronics	136
Howes Models	139
Irish Railway Models	115
Isinglass Models	141
Just Tracks	142
Kernow Model Rail Centre	51
Langley Models	140
Mega Points Controllers	138
Metcalf Toys & Models	126-127
Mike Pett's Supercast	134
Model Railway Solutions	133
Modelrailwayscenery.com	132
Morris Models	137
N Brass Loco	132
Olivia's Trains	37
Osborn's Models	135
PDK Models	132
Peter's Spares	140
Protocab	142
Rails of Sheffield	128-131
Ron Lines	141
Scalescenes.com	139
Southwest Digital	136
Stowmarket Railway Club	142
The Airbrush Company	139
The Hereford Model Centre	69
The Hobby Shop	137
The Junction Box	132
Tower Models	16
Trains4U	135
Train-Tech	136
Train-Tees	135
Warwick & Warwick	147
York Modelmaking	135
YouChoos	134

CLASSIFIED INDEX

Classified advertisers on pages 143-144

Addlestone Model Centre	Mercian Models
AGR Model Railway Store	Model Bus Transfers
Branchlines	Model Railway Developments
Church Street Models	Monk Bar Model Shop
Coach Lighting	Nick Tozer Railway Books
Colour Rail	P&D Marsh
Connoisseur Models	Pooley's Puffers
Crafty Hobbies	Redcar Models & Hobbies
Dave Angell Trains	Rochester Games Models & Railways
Derek's Transport Books	Roxey Mouldings
East Somerset Models	Scalespeed
Howard Scenic Supplies	The Hobby Goblin
Items Mail Order	The Model Shop (Exeter)
Jacksons Models	The Model Shop (Portsmouth)
Jim Corr	The Tutbury Jinny
John Duffield For Model Railways	Train Times
Kent Garden Railways	Trident Trains
Mark's Trains	Upstairs Downstairs



COLOUR RAIL

Present your case

If there's something that you think needs to be offered ready-to-run, here's the place to voice your opinion...

Locomotive: Crane tank

Proposed by: P.D. Smith, Sheffield

I found a seller on eBay who produces a crane tank conversion using the Hornby RailRoad GWR '101' O-4-OT chassis. This model crane tank is based on No. 4101/01, a Dübs crane tank built for Shelton Iron and Steel Works near Stoke. I was intrigued by these locomotives so, as an LMS enthusiast, I checked my own library to see if the LMS had any crane tanks. It did: eight ex-LNWR O-4-2CTs, built between 1892-1895 and a North London Railway O-4-2CT that was built as an O-4-OST in 1858 - and wasn't withdrawn by BR until 1951.

What would make it viable?

The crane tank was an attempt to provide an

economical machine for factories and workshops. They combined the pulling power of a locomotive with the lifting power of a crane. The GWR, SR, LMS and LNER all had crane tanks. Along with Dübs, crane tanks were built by the likes of Andrew Barclay, Beyer Peacock and Robert Stephenson & Hawthorns for shipyards and steel works.

Any crane tank would make a superb model. With today's technology, it would be quite feasible to have a 'OO' gauge crane tank with a working jib. Just imagine a layout based on William Doxford's shipyard on Tyneside, with up to four crane tanks in action.

Choosing a suitable crane tank is difficult: it would have to come down to a choice of three - Andrew Barclay, Dübs and RSH.

Can I see a real one?

Yes. There are nine crane tanks in preservation: three Andrew Barclays (at the Ribble Steam Railway, Midland Railway - Butterley and Bo'ness & Kinneil Railway), four RSHs (Foxfield Railway, Tanfield Railway, Keighley & Worth Valley Railway and Bressingham) and a Black Hawthorn 2-4-OCT at Beamish. Dübs No. 4101 is operational at the Foxfield Railway.



Have your say

Do you agree with P.D. Smith's argument?

Go to www.facebook.com/modelrail or www.twitter.com/modelrailuk and post your verdict.



COLOUR RAIL

How to join in

Want to present your own case? Send us 400 words explaining your choice to modelrail@bauermedia.co.uk, putting 'Present Your Case' in the subject line.

Backscene

Musings we couldn't fit into the issue elsewhere, but which seemed very important at the time...

Leaving a cloud of snow in their wake, a pair of East Midlands Trains '158s' head towards Sheffield with a Liverpool-Norwich service.
GEORGE DENT



George Dent,
Deputy Editor

Much of this issue was written during late February/early March, as the 'Beast from the East' wreaked havoc in the High Peak, where I live. While it afforded the opportunity for some interesting prototype photography, the winter idyll soon took on a more sinister edge, with drifts well over 6ft deep blocking many of the local lanes and killing a number of my ovine neighbours.

The railways suffered too, with a pair of Network Rail Class 37s drafted in to clear the drifts on the Buxton line, while two Colas '56s'



Wouldn't it be fun to drive a road-rail Unimog through the tunnels from Lime Street to Edge Hill?

With a single HTA hopper in tow, 66171 heads to Peak Forest from Arpley wagon repair depot.
BOTH: GEORGE DENT

took care of the Peak Forest route; sets of Beilhack 'ploughs' being employed in both instances.

Before the snow, a flying visit to Liverpool Lime Street revealed a Stobart Rail Mercedes Unimog, parked in one of the newly built platforms. Coupled amongst a rake of trailers, each loaded with rubble, it made for a striking counterpoint to the adjacent 'Pendolino'.

A fetching 1:76 scale version of a Stobart Unimog was produced not so long ago by Atlas Editions, making a re-creation of this scene possible in 'OO' gauge, although the trailers would have to be scratchbuilt.

Modelling hours: 6

Note to self: Insulate and reorganise my workshop over the summer, before the cold weather returns.



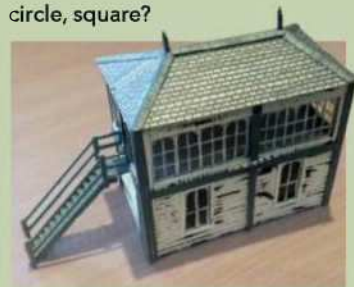
Chris Gadsby,
Staff Writer

I've been left wondering in the last few weeks how long it will be before the stigma surrounding the hobby will finally be lifted. I'm not ashamed of the fact that I am a fan of model railways, and I love that they are the essence of my job. So why then, when somebody asks me what my hobbies are, do I never mention it? My other interests have a similar problem. My friends regularly told me at university that I was '18 going on 80' because I'm interested in vintage cars, I play golf (my dad would disagree - he'd say that I spend four hours hacking at the ball in the trees), listen to Coldplay and carry a handkerchief. Add model railways into the mix and I've got the metaphorical royal flush.

What people fail to consider is how well-rounded the hobby is. It involves carpentry, electronics, problem solving, advanced preparation, intricate detailing and research. You are learning things as you progress and gaining valuable skills.

This month I have taken the first big step in my modelling 'career' by finally starting my first modification of a card kit. It's far from perfect and I've got a long way to go to reach the levels of George and Chris, but I am proud of it. At the end of the day isn't that the whole point?

I would much rather do that than stare at a screen trying to remember the sequence of buttons on a games console to do a 'special move'. Triangle, square, circle. Or was it triangle, circle, square?



My first attempt at modifying a card kit, as I aimed to convert the LNWR Metcalfe signal box into a Midland-designed box.

Modelling hours: 10

Note to self: Even the smallest amount of progress is still progress!

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, usually within 48 hours, in order to value larger 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: **Kendal, Blackpool, Market Harborough, Hartlepool, Northallerton, Peterborough, Norwich, Swaffham, Walsall, Petersfield, Winchester, Twickenham, Grantham, Oxford, Pontypridd, Brecon, Bristol and Bath.** 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



GAUGEMASTER *Spotlight* Prodigy Digital Control



Controller Types

Which Prodigy Controller?

Prodigy is compatible with most other DCC systems and manufacturers' DCC Decoders. It's strength is 'simplicity without compromise' and Prodigy systems can grow with your layout, allowing you to use the system at a level appropriate to you, your layout, and style of operation. All Prodigy Walkaround Controllers have backlit displays as standard.

Prodigy Express consists of a Base Station, Walkaround Controller, and Power Supply and is an ideal entry level system for a newcomer. Extra features can be unlocked by using the **DCC14 Prodigy Advance Walkaround Controller**.

Prodigy Advance2 is our best selling DCC Controller. It consists of a Base Station, Walkaround Controller, and a Power Supply, and is suitable for operating most sizes of model railway.

Prodigy Wireless offers all the features of the **Prodigy Advance** unit but this system offers you wireless control, giving you maximum freedom to operate your layout. Its rechargeable handset and radio transmission ensures easy and reliable performance.

DCC Controller Starter Packages

DCC01 Prodigy Express Starter Package Most Suited for HO/OO/N Scale Layouts



- INPUT: 15-16V regulated DC at 2 amps
- OUTPUT: DCC Signal with 14.5V amplitude
- MAXIMUM CURRENT: 1.6 amps
- MAXIMUM NUMBER OF WALKAROUNDS: 20
- ADDRESS CAPABILITY: 2 Digit or 4 Digit
- SPEED STEPS: 14/28/128
- ACCESSORY FUNCTIONS: 28 (F0 to F28)
- DOUBLE HEADING
- PROGRAM & MAIN TRACK PROGRAMMING
- "READ LOCOMOTIVE" CAPABILITY

BEST FOR
Beginners

DCC02 Prodigy Advance2 Starter Package Most Suited to HO/OO/N Scale Layouts



- INPUT: 15-14V DC 3.5 amps
- OUTPUT: DCC Signal with 14.5V amplitude
- MAXIMUM CURRENT: 3.5 amps
- MAXIMUM NUMBER OF WALKAROUNDS: 99
- ADDRESS CAPABILITY: 2 Digit (1-127) or 4 Digit (1-9999)
- SPEED STEPS: 14/28/128
- ACCESSORY DECODER AND ROUTE SETTING
- DOUBLE HEADING
- PROGRAM & MAIN TRACK PROGRAMMING
- "READ LOCOMOTIVE" CAPABILITY

BEST FOR
General Layouts

DCC04 Prodigy Advance Wireless Starter Package Most Suited to OO/HO/N Scale Layouts



- ALL THE FEATURES OF DCC02 PRODIGY ADVANCE
- WIRELESS RADIO CONTROL (UK Approved)
- OUTSTANDING RANGE (80ft Plus)
- BUILT-IN RECHARGEABLE BATTERY
- BATTERY CHARGE LEVEL INDICATOR
- OPERATES WIRED & WIRELESS WALKAROUNDS
- PROGRAM & OPERATE WHILE CHARGING
- FREEDOM & MOBILITY DURING OPERATION

BEST FOR
Large Layouts

Accessories

NEW! GO WIRELESS with the Prodigy WiFi



DCC05 Prodigy WiFi

This unit allows you to run your Prodigy-powered layout from your phone or tablet, using one of the recommended apps on Android or iOS.

The Prodigy WiFi is compatible with the JMRI Engine Driver and WiThrottle apps.



DCC80 DCC Autofrog

The DCC Autofrog is a simple switch that automatically changes the frog polarity of your electrofrog point. With the frog powered by the DCC80 it will automatically detect the incoming polarity of the wheels and switch the frog to match.

The DCC Autofrog is available as a single item, and also as a handy pack of three.



DCC40 Auto Reverse Module

This useful module allows you to operate a reverse loop or turntable without needing to change the polarity of the track, a common situation that faces modellers with analogue control model railways.

DCC15 Prodigy Decoder Doctor

Makes programming and reading back your decoders easy! This device allows you to test decoders before or after installation.



There is a built-in 8 Pin socket, and the Decoder Doctor also comes supplied with an adaptor harness allowing you to also test 6 Pin decoders.

You can also attach it to a test track for testing already fitted decoders.

Power comes from either a 15V power supply (DCC65) or your DCC Main Track output.

Full details of our Digital Controller range can be found in the **Gaugemaster Full Catalogue AVAILABLE SUMMER 2018**. It also contains details of our Analogue 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

PRICES

Controllers & Handsets

DCC01	Prodigy Express Package	£179.95
DCC02	Prodigy Advance2 Starter Package	£309.95
DCC04	Prodigy Advance2 Wireless Starter Package	£499.95
DCC05	NEW Prodigy WiFi	£99.95
DCC13	Prodigy Advance2 Wireless Walkaround	£199.95
DCC14	Prodigy Advance2 Backlit Walkaround	£149.95
DCC15	Prodigy Decoder Doctor	£94.95
DCC51	Prodigy Wireless Conversion Set	£279.95

Accessories

DCC11	Prodigy Extension Plate	£44.95
DCC49	Prodigy DCC Booster Unit (8 Amp)	£209.95
DCC55	Prodigy Advance Wired Computer Interface	£64.95
DCC60	Spare Plug for Gaugemaster Prodigy	£4.15
DCC62	Prodigy Universal Lead (2m)	£6.25
DCC63	Prodigy Advance Power Supply Unit	£27.95
DCC64	Prodigy Power Pack Lead	£7.75
DCC65	Prodigy Express Power Supply Unit	£27.95
DCC66	Controller Caddy Walkaround Holder	£7.35
DCC71	Prodigy DC Adaptor Plate/Decoder Tester	£10.95
DCC77	Prodigy Walkaround Adaptor	£10.95
DCC80	DCC Autofrog	£6.25
BPDC80	DCC Autofrog (Pack of 3)	£15.95

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