

FREE DELUXE MATERIALS
24 PAGE CATALOGUE

FIRST LOOK
'J70' IN COLOUR



No. 251 Summer 2018 £4.30

MODEL RAIL



Model an epic MAIN LINE

Revealed: the secrets behind planning and building a BIG layout



**REVIEWED
INSIDE**



**Build the
ultimate cottage
from a £6 kit**

Workbench 18 PAGES OF PROJECTS,
TIPS & TECHNIQUES

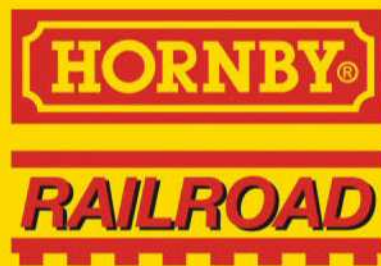
- ✓ Detail Oxford wagons
- ✓ Fix a damaged model
- ✓ Build a card kit
- ✓ Improve your running
- ✓ Get brushes really clean



- ◆ RAPIDO STIRLING 'SINGLE'
- ◆ REVOLUTION CLASS B TANKS
- ◆ DAPOL MJA WAGONS

IN-DEPTH - INDEPENDENT - UNBIASED

GROW YOUR MODELLING EXPERIENCE



WITH THE HORNBY RAILROAD COLLECTION

The Hornby Railroad range provides a perfect entry into the exciting world of 00 gauge Hornby railway modelling. Carefully designed to be more robust, yet maintaining the attractive detailing and suitable liveries one would expect, the Hornby Railroad range is ideal for both the younger enthusiast and experienced modeller alike.



R3060 British Railways, Peppercorn A1 Class, 4-6-2, 60103 'Tornado' - Era 11



R3277 GWR, 3800 'County' Class, 4-4-0, 3835 'County of Devon' - Era 3



R3494 BR, Class 5MT 'Black Five', 4-6-0, 45025 - Era 5



R3586 BR, V 'Schools' Class, 4-4-0, 30935 'Sevenoaks' - Era 4



R3587 LMS, Class 3F 'Jinty', 0-6-0T, 7109 - Era 3



R3588 LNER, B17 Class, 4-6-0, 2864 'Liverpool' - Era 3



R3585 BR, Class 90, Bo-Bo, 90135 - Era 8



R3590 BR, Class 55, Co-Co, 9010 'The King's Own Scottish Borderer' - Era 5



R3591 BR, Class 73, Bo-Bo, E6002 - Era 5



R4353 BR, Mk.1 Corridor Composite Coach - Era 4



R4525 GWR, Restaurant Coach - Era 3



R4526 GWR, Night Mail Coach (Operating) - Era 3



R4622 BR Intercity, Mk.2 Second Open Coach - Era 7



R4625 BR, Mk.1 Parcels Coach - Era 5



R4626 BR, Mk.1 Parcels Coach - Era 4



R4627 BR, Mk.1 Tourist Second Open Coach - Era 5



R4628 BR, Mk.1 Tourist Second Open Coach - Era 4



R4629 BR, Mk.1 Tourist Second Open Coach - Era 5



R4630 BR, Mk.1 Tourist Second Open Coach - Era 4



R4812 BR, Mk.1 Corridor Composite Coach - Era 4



R4814 BR, Mk.1 Corridor Brake Second Coach - Era 4

Visit www.hornby.com to find your nearest retailer or call **01843 233502** to place your order today.



Welcome



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

MODEL RAIL

brought to you by



Richard Foster

With the ground too hard to dig, Richard plucked up the courage to start making 'Gedney' moveable.



George Dent

The workshop became intolerable in the heat for George, but new friend Percy the cat found it most toasty!



Chris Leigh

Chris visited the shed to see how the weather has affected his 'O' gauge 'Railway Children'. Can it be salvaged?



Chris Gadsby

Chris' local pool reaches 32°C in the heat - but he can't take a dip because he's too busy coaching others!



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.

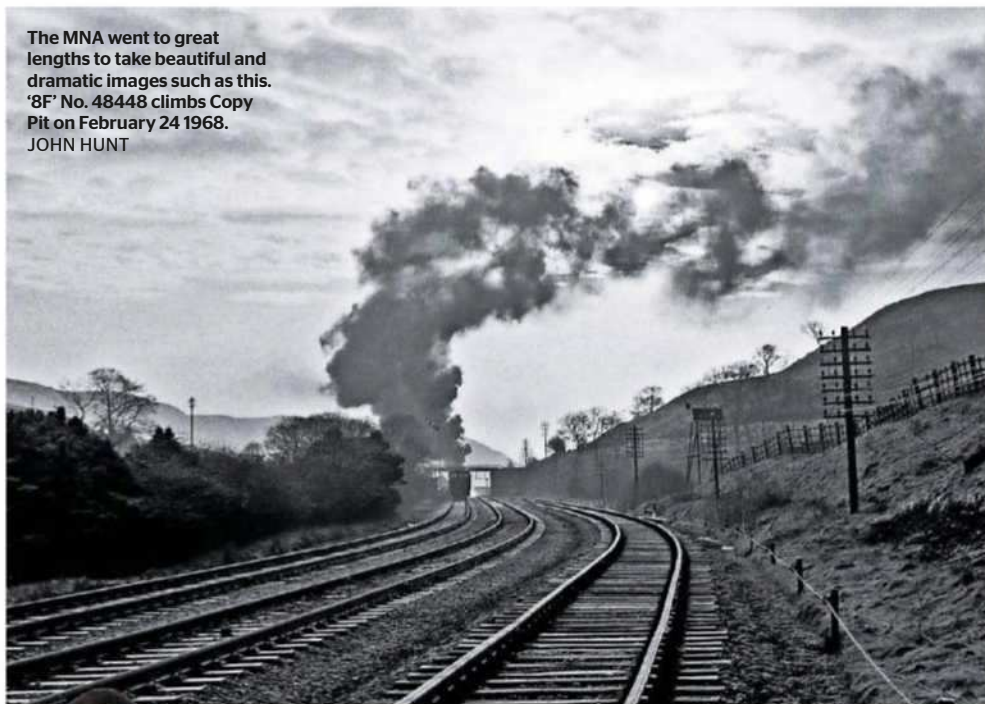


Ben Ando

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

The MNA went to great lengths to take beautiful and dramatic images such as this. '8F' No. 48448 climbs Copy Pit on February 24 1968. JOHN HUNT



If there was one way you could dispel the 'anorak' image of railway enthusiasts, it would be to turn the story of the Master Neverers Association into a film or TV series. This summer's impending 50th commemorations of the end of steam will bring the story of the MNA to mind, especially as it plays a key role

on Graham Nicholas' superb 'OO' gauge take on Shap (see page 22).

The 1960s youth revolution even got into railway photography. The post-war generation of photographers shunned the traditional front three-quarter railway photograph. They used light to create drama. Their work could even be described as 'pop art'. This art movement, made popular by Andy Warhol, used everyday items to create works of art. For the MNA, trees, cars, people - even hosepipes - often dominated the scene, with the railway having almost secondary importance. But their work portrayed the railway in the context of everyday life.

It's the tales of adventure that make the MNA so fascinating, especially for a child of the '80s like myself. They cleaned locomotives and stayed up late, drinking. Gerry Dixon's Ford Zephyr getting stuck on Morecambe sands is akin to the legend of Keith Moon driving a Rolls-Royce into a swimming pool. Paul Riley, the MNA's unofficial leader, lived fast and died young.

We may mourn the end of steam in 1968, but without it we wouldn't have these stunning images to enjoy.

Richard Foster Editor

Subscribe now and get two years of Model Rail for the price of one!

Choose from print, digital or a combo deal and get *Model Rail* for less. See p20.

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 models: see pages 14 & 106.

From the archives MR121, Aug '08

It's all about bridges this month as Peter Marriott, Ben Jones and Chris Leigh show you how to build the one that's right for you. Flavio de Rosa offers top advice on building your first wagon kit, and George Dent creates end-of-steam '8Fs' and 'Britannias'.

Star review: A quiet month - Dapol's 4w 'rec tank'
Masterclass: BR's 'Fifteen Guinea Special'



Contents

MR'S 'USA' EXCLUSIVES
Turn to p14



Cover: Graham Nicholas' 'Shap Wells'. CHRIS NEVARD

Opening the box

6 Latest releases
Heljan unveils its Class 25/3 plan, and we give you a sneak peek at decorated 'J70s'.

17 According to Chris...
Chris recalls some of his favourite childhood memories - and models.

19 Modelling Lives
A lack of space led Emily Martin to embrace the potential of 'Z' gauge.

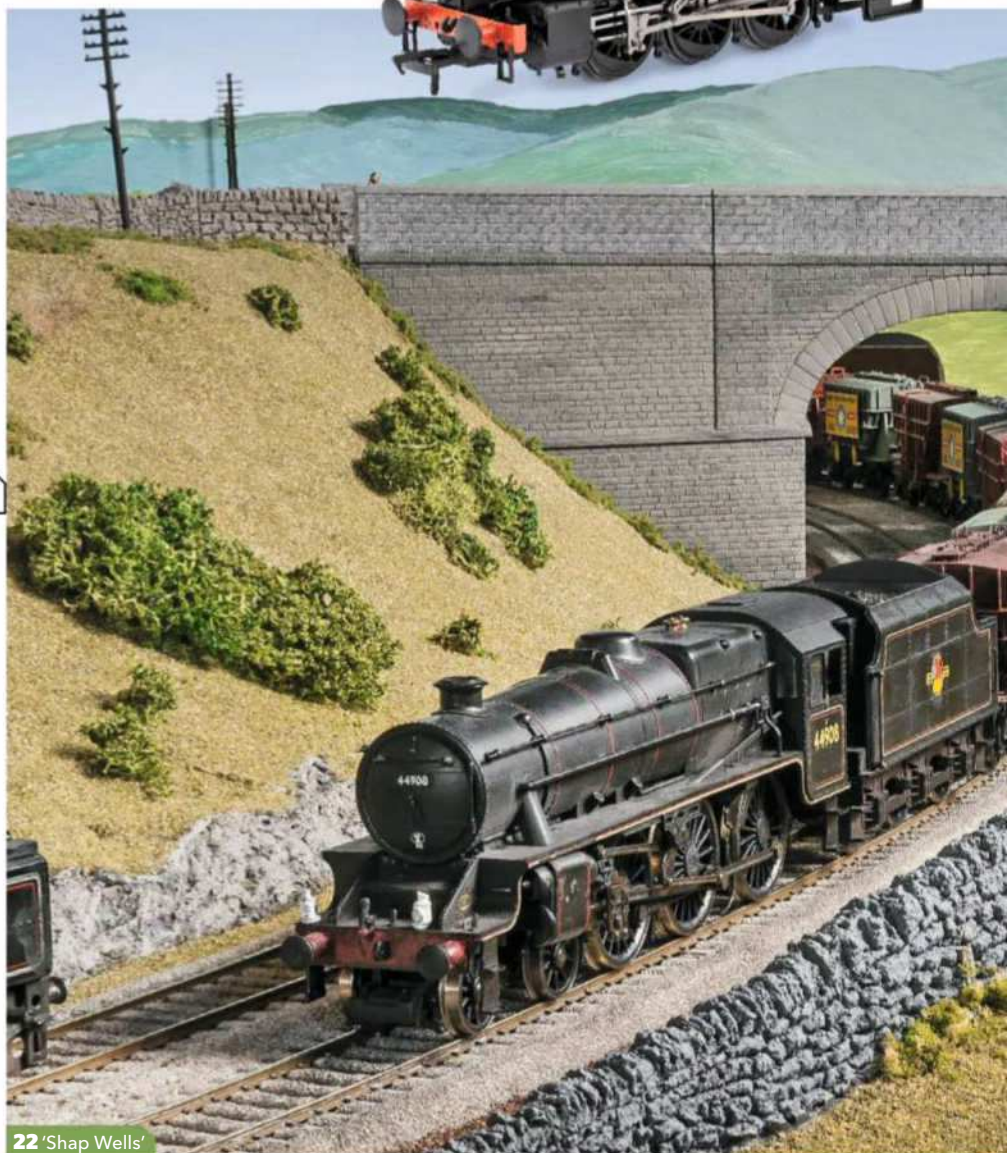


Features

22 End of steam eulogy
'Shap Wells' is a tribute to the last great steam show in Britain.

62 Capital connection
'Model what you know' was the approach taken by train driver Sean Healy.

80 Dramatic lines
Nature has prepared some stunning backscenes for you to copy. Here's how.



87 Reviews

This month's selection includes Dapol's 'N' gauge MJA and Maunsell Brake Third, Revolution's Class B tanks and the Rapido/NRM Stirling 'Single'.



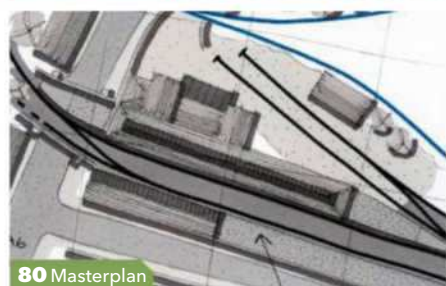
Looking for a previous article?

Search the online index at:

www.ukmodelshops.co.uk/modelrail



50 Masterclass - 'Black Fives'



80 Masterplan

Workbench

38 Thatch a cottage

Chris Leigh works wonders with a Dapol plastic cottage kit.

42 Build a card restaurant

Peter Marriott continues his quest for urban realism.

44 Upgrade RTR wagons

David Spencer offers some ideas for customising Oxford's six-plank opens.

48 Detail Dapol's '121'

What's the best way to add your own destinations to an RTR railcar?

50 Stanier's 'Black Fives'

'Masterclass' returns, focusing on William Stanier's super '5MT' 4-6-0.



48 Detail a Class 121



38 Thatch a cottage



42 Build a card restaurant



44 Upgrade RTR wagons

Regulars

14 'USA' of the month

Another month, another exclusive 'USA' model to consider. Order yours today.

20 Subscribe to *Model Rail*

Turn to page 20 for this month's special offer.

74 Know Your Stuff

Our experts answer your modelling queries and offer dozens of top tips.

100 The Club Room

The section of the magazine that's all about you. Includes Exhibition Diary.

106 *Model Rail* Offers

Order your Sentinel or 'J70', or choose from the rest of our exclusive offers.

109 Next Issue

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

145 Present your case

Want to voice your opinion on potential new models? Do it here!

146 Backscene

This month's miscellaneous meanderings from the *Model Rail* team.



74 Track cleaning techniques



78 Extreme model repair



100 The Club Room

Opening the box

The latest happenings from the world of model railways



The Big Picture

Here's an exclusive look at the first decorated samples of our ready-to-run 'OO' gauge LNER 'J70' 0-6-0T. Both ourselves and Rapido Trains' design team have been through these samples

with a fine-toothed comb and some corrections are necessary (such as the silver buffers and valve gear!). Decorated samples of other liveries are due imminently - keep an eye on

www.facebook.com/modelrail

Please note that the bell will be painted roof grey because the factory cannot paint the mounting frame separately, due to the delicate nature of the



part. We felt it was better for you to choose your favourite 'brass' colour if you wanted to paint it, rather than try to match the shade of roof grey.

Photography: Chris Nevard

**ORDER
YOUR
'J70'**
p108

Workbench

5 skills you can master
this issue

- ◆ Make miniature thatch p38
- ◆ Work with card p42
- ◆ Modify RTR wagons p44
- ◆ Weather a steam locomotive p58
- ◆ Clean paintbrushes p76

CLASS 25/3 IN 'OO' FROM HELJAN

OO
GAUGE

Heljan is to produce a 'OO' gauge Class 25/3. It will use its research and development material already collated for its forthcoming 'O' gauge model. Class 25/3s - numbers D5238-99 and D7500-D7677 - were built by Derby works and Beyer Peacock

between 1963 and 1967, and featured a revised nose without end gangway doors.

The model will feature a high-performance chassis with all-wheel drive, lights, a 21-pin DCC decoder and provision for sound. It is estimated to arrive early in 2019 but prices have yet to be confirmed.



HELJAN CLASS 25/3 Bo-Bo

What's planned?

- ◆ 2530: D7645, BR green, warning panels
- ◆ 2531: D5244, BR green, warning panels, weathered
- ◆ 2532: D7550, BR green, yellow ends
- ◆ 2533: D7661, BR blue, warning panels
- ◆ 2534: D7667, BR blue, yellow ends
- ◆ 2535: 25252, BR blue, yellow ends

- ◆ 2536: 25155, BR blue, yellow ends, weathered
- ◆ 2537: 25093, BR blue
- ◆ 2538: 25912 *Tamworth Castle*, blue with silver roof
- ◆ 2539: D7672 *Tamworth Castle*, 1990s BR green
- ◆ 2540: ADB97250 'ETHEL 1', BR blue/grey

- ◆ 2541: ADB97252 'ETHEL 3', InterCity grey

Price? TBC

When's it due? Early 2019

What stage is it at? Computer design

Where can I find out more?

www.facebook.com/heljanas



BOUNDARY BITS

Scalemodels scenery's range of laser-cut timber detailing components has expanded with new park railings in 'N' and 'OO' (LX102) plus some 'OO' gauge 6ft fence panels (LX155). The latter are joined by complementary moulded concrete fence posts (AX047). Also new from Scalemodels scenery are some

pre-cut, self-adhesive yellow warning stripes and 'Mind the Gap' signs for 'OO' gauge platforms (DC022).

Price: LX102 from £4.99; LX155 £3.50; AX047 £2.50; DC022 £4.95

Availability: Scalemodels scenery

Tel: 01530 456952 **Web:**

www.scalemodels scenery.co.uk

QUICK FIX

Deluxe Materials has introduced Plastic Magic 10S cement. This thin, liquid plastic cement has a 10-15 second adjustment time and a non-clog action. It bonds styrene, plastic card, ABS and other common plastics but is non-toxic and non-flammable, and has minimal odour and almost zero emissions.

Price: £6.99

Availability: Deluxe Materials stockists or www.gaugemaster.com





ACCURASCALE GOES 'O'

O
GAUGE

Accurascale has only just brought us its first 'OO' gauge ready-to-run wagon... and now it's joining the 'O' gauge market! It will produce its 24½t HVO hopper reviewed last month (MR250) in 'O'. The new model will feature a heavy die-cast and compensated chassis to maximise its performance. Eight different running numbers will be produced.

CAD design work is complete and it's due to arrive in late 2018. RRP is £49.95 each.

You can order at
www.accurascale.co.uk



News in brief

'HYMEK' ENCORE

OO
GAUGE

Heljan is to produce another batch of its 'OO' gauge 'Hymeks' for late 2018. Five liveries are planned:

- ◆ 3526: D7015, BR green
- ◆ 3527: D7088, BR green
- ◆ 3528: D7004, BR early blue
- ◆ 3529: D7001, BR blue, yellow ends
- ◆ 3530: 35017 Williton, BR 'Dutch'

Price: (rrp) £129.95

Availability:

Heljan stockists

NEW 'Ps' FROM HATTON'S

OO
GAUGE

Hatton's has produced four new 'OO' gauge SECR 'P' 0-6-0Ts: Nos. 5027 and 5753 in ROD green, No. 27 in SECR lined green and No. 31556 in BR black with early emblem.

Price: £99.00 **Availability:**

Hatton's **Tel:** 01517 333655

Web: www.hattons.co.uk

SCATTER BRAINS

You don't have to neglect the area under your miniature trees, thanks to this new forest floor scatter from Gaugemaster.

Product code: GM179

Price: £3.95

Availability: Gaugemaster

Tel: 01903 884488 **Web:**

www.gaugemaster.com



BOGIE ON DOWN

O
GAUGE

Connoisseur Models has unveiled four new bogie packs:

- ◆ BR Plate-Back, as used on 'Bogie Bolsters' and 'Boplates'.
- ◆ BR Plate-Back with roller bearings, developed in the late 1950s.
- ◆ GWR Standard Plate-Back bogie, introduced circa 1913.
- ◆ Davis & Lloyd Ridemaster cast secondary suspension bogie, used extensively by BR from 1960 onwards.

Price: £16.00 each

Availability:

Connoisseur Models, 1 Newton Cottages, nr Weobley, Herefordshire HR4 8QX

Web: www.jimmcgeown.com



CATTLE STATIONS

OO
GAUGE

Noch has released two new packs of animals. Pack 15749 contains 14 sheep while 15727 includes seven brown cows.

Price: £11.00 each

Availability: Gaugemaster **Tel:** 01903

884488 **Web:** www.gaugemaster.com



STAY SHARP

Do you have an airbrush with a bent fluid needle that you can no longer use? Well, thanks to the new SharpenAir needle repair system you can return your damaged airbrush to ex-works condition. There are three SharpenAir systems available, to cater for specific manufacturers. The system uses diamond grit-coated sharpening stones, and replacement stones are also available.

Price: £49.00

Availability: The

Airbrush Company

Tel: 01903 767800

Web: www.airbrushes.com

REVEALED: 57ft Mk 1s

Ellis Clark Trains has unveiled the first test sample of its non-gangwayed Mk 1s from Darstaed. The new models complement the 64ft Mk 1s released earlier in the year (MR245). Six types will be produced - Composite, Composite with Lavatory, Brake Second, Open Second, Second and Second with Lavatory - in maroon, crimson and blue liveries.

The new Mk 1s are of

a similarly high quality to the 64ft models, comprising metal and plastic construction, sprung buffers and detailed interiors with lights, and are capable of running on Peco second radius curves. The test sample has revealed some minor modifications that will need attention.

RRP is £169.00 each and they're due to arrive in stock in late 2018. See www.ellisclarktrains.com for more.



VAN KITS

The former Martin Finney LSWR 18ft low-roofed van is available once again from Brassmasters. Two wheelbase lengths are available - 10ft 6in and 11ft - to cover five different diagrams. The kits comprise etched brass and whitmetal parts.

Price: £27.50 **Availability:**

Brassmasters, PO Box 1137, Sutton Coldfield B76 1FU **Web:** www.brassmasters.co.uk



SMALL WONDER

DCC specialist ZIMO has produced a new sound decoder for the smallest of spaces. The MX659 is a Next18 decoder that measures just 20mm by 9.5mm by 3mm and will fit inside the smallest 'N' and 'OO9' gauge models, including Bachmann's WDLR 4-6-0PT. It complements ZIMO's LS12x8x8 micro cube 8 ohm speaker. RRP is £99.00.

ZIMO has also introduced a new pricing structure. Its compact eight-pin and 21-pin sound decoders will now cost just £99.00. The launch of its new 21-pin MX638D economy decoder now means that all of the common connections types are available for £20. A full list of approved ZIMO dealers can be found at www.zimouk.co.uk

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



BACHMANN CLASS 158 DMU

Price? £259.95-£359.95

What stage is it at?

Engineering prototype

First announced? May 2012

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



GRAHAM FARISH CLASS 70 (MODIFIED INTAKE)

Price? £149.95

What stage is it at?

Engineering prototype

First announced? May 2015

Where can I find out more?

www.bachmann.co.uk



OXFORD RAIL SCOTRAIL Mk 3s

Price? £34.95

What stage is it at? Decorated samples

First announced? March 2016

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



Rolling stock releases

The next locomotives and rolling stock arriving soon



OO GAUGE 'TRACTOR' FACTOR

Trains4U has commissioned this DB Schenker Class 37 from Bachmann. 37419 was only one of two '37s' to receive the red livery (the other was 37670).

Product code: 32-381L **Price:** £159.95 **Availability:** Trains4U **Tel:** 01733 895989 **Web:** www.trains4u.com

OO GAUGE GOLDEN OLDIE

Kernow Model Rail Centre has commissioned a limited edition Class 31 from Hornby: D5579 in experimental golden ochre. Limited to 350 pieces. **Product code:** R3674 **Price:** £169.99 **Availability:** Kernow Model Rail Centre **Tel:** 01209 714099 **Web:** www.kernowmodelrailcentre.com



OO GAUGE ...PORT WAGONS

To complement its PLA 'Janus' 0-6-0DE, Golden Valley Hobbies has commissioned a triple-pack of Oxford Diecast seven-plank opens in PLA brown livery. **Product code:** GV6015 **Price:** £29.99 **Availability:** Golden Valley Hobbies **Tel:** 01981 241237 **Web:** www.goldenvalleyhobbies.com

OO GAUGE PORT SHUNTER...

Golden Valley Hobbies has produced another version of its YEC 'Janus' 0-6-0DE. Produced by Oxford Diecast, the locomotive is finished in Port of London Authority blue livery as number 201.

Product code: GV2015XS **Price:** £99.95

Availability: Golden Valley Hobbies

Tel: 01981 241237 **Web:** www.goldenvalleyhobbies.com



WIRELESSLY ANALOGUE

blueRailways has tweaked its wireless analogue control system. This system uses a wireless receiver that also supplies 12V DC track power and a wireless controller to control the trains. The Model 720 controller has been modified so that Start Voltage, Acceleration and Deceleration values can now be sent to the receivers without the use of a smartphone or tablet.

Price: £39.50 (Model 522 receiver); £44.50 (Model 720 wireless controller) **Availability:** blueRailways, 15 Cypress Close, Taverham, Norwich NR8 6QG **Web:** www.bluerailways.co.uk



WAGONS RULE THE WAVES

OO GAUGE

The Medway Queen Preservation Society has commissioned limited runs of 'OO' and 'N' gauge seven-plank open wagons from Dapol to help raise funds towards the restoration of PS *Medway Queen*. All wagons carry fictitious 'New Medway S.P. Co. Engineers' Dept.' lettering. 'N' gauge wagons are available in red and blue; 'OO' gauge wagons are green or grey.

Price: £15.05 ('N'); £16.05 ('OO')

Availability: MQPS Reading Support Group, 2 Drury Close, Hook, Wootton Bassett SN4 8EL

Web: www.medwayqueen.co.uk/reading-group-sales.html



PEOPLE POWER

Got lots of model people to paint? Then you need this new set from LifeColor. 'Quick Flesh Shadowing' features LifeColor's new adjustable Green Chemistry pigments technology, which allows you to obtain light and shading effects in every scale. The pack contains five pigments (available separately) and a removing solution.

Price: £9.99 **Availability:** The Airbrush Company **Tel:** 01903 767800 **Web:** www.airbrushes.com

GIVE IT A TUG

HO
GAUGE

New from Kibri is this tugboat kit. It measures 182mm by 65mm.

Product code: 38520

Price: £21.77

Availability: Golden Valley Hobbies **Tel:** 01981 241237

Web: www.goldenvalleyhobbies.com



FENCE PACK

OO
GAUGE

Got a GWR/WR station that needs some fencing? Gaugemaster now offers packs of plastic spear fencing that will be ideal.

Product code: GM429

Price: £3.45

Availability: Gaugemaster

Tel: 01903 884488

Web: www.gaugemaster.com

MINI MAINTENANCE

Gaugemaster's range of tools and modelling equipment has expanded recently with 1.2mm tin/lead solder (GM663),

a model railway maintenance set that comprises glass fibre brush, lubricant, tweezers and jewellers' screwdrivers (GM590) and handy-hold tool, complete with magnifier and soldering iron holder (GM658).

Price: GM663 £3.95;

GM590 £12.95;

GM658 £21.95

Availability:

Gaugemaster

Tel: 01903

884488

Web: www.gaugemaster.com



CATENARY WOOD

OO
GAUGE

Scalemodelsenery has produced modern-style overhead catenary kits... in laser-cut wood. Two portal styles are offered - lattice girder and castellated beam - along with complementary masts.

Product code: LX050 A-F

Price: From £12.95

Availability: Scalemodelsenery

Tel: 01530 456952 **Web:** www.scalemodelsenery.co.uk



FORDHAMPTON RANGE EXPANDS

OO
GAUGE

Gaugemaster's Fordhampton plastic kit range has two new additions: a low, twin-arch bridge (GM414) and a children's adventure playground, complete with swings and wooden play train (GM416).

Also making a return in Gaugemaster packaging is the erstwhile Pola plastic kit of Mortimer station (GM430).

Price: GM414 £13.50; GM416 £12.95; GM430 £21.75

Availability: Gaugemaster **Tel:** 01903 884488 **Web:** www.gaugemaster.com



MESHING ABOUT

Gaugemaster has introduced a fine aluminium wire mesh (38in by 29in) that can be bent and moulded over formers to make a foundation for scenery.

Product code: GM189

Price: £18.50

Availability: Gaugemaster

Tel: 01903 884488

Web: www.gaugemaster.com

CLEAR CUT

Scalescenes can now offer glazing for its 'OO' and 'N' gauge downloadable card kits. The glazing is printed on 0.1mm 100gsm clear film. A cutting template is also available. Please be aware that Scaleglaze is posted from Australia, so allow ten days for delivery.

Price: Start from £2.50

Availability: Scalescenes **Web:** www.scalescenes.com



FROG SWITCH

Gaugemaster's Autofrog, a neat device that automatically switches the polarity on live frog points, is now available as a triple pack.

Product code: BPDCC80

Price: £15.95

Availability: Gaugemaster

Tel: 01903 884488

Web: www.gaugemaster.com





KEEP IT WHEEL

Peter's Spares has commissioned three sets of blackened metal wheels to replace plastic or metal wheelsets on older models. The range comprises 12.6mm diameter three-hole and 12.6mm eight-spokes and a 14.1mm plain disc. The sets can be adjusted to suit 'EM' gauge.

Price: £3.00 each

Availability: Peter's Spares **Tel:** 01642 909794

Web: www.petersspares.com

WHERE THE TRACTION'S AT

Peter's Spares has commissioned three new types of traction tyre for old Lima and Hornby models. PS41 are small Lima tyres, PS42 are large Lima tyres, and PS80 are replacements for Hornby small traction tyres.

Also available are replacement Hornby carbon brushes and springs (PS66).

Price: PS66 £2.99; PS41 £5.99; PS42 £5.99; PS80 £8.99

Availability: Peter's Spares **Tel:** 01642 909794

Web: www.petersspares.com



GO FIGURE



Gaugemaster's Kestrel

'N' gauge brand has launched nine new packs of figures. Eight, which range from people relaxing in a park to homeless people and bricklayers, are ready-painted (GMKD70-76) while the ninth features 72 unpainted figures (GMKD69).

Price: GMKD70-76 £2.95;

GMKD69 £4.95

Availability: Gaugemaster **Tel:** 01903 884488

Web: www.gaugemaster.com



GARDEN VARIETY



This new pack of figures from Noch contains six gardeners plus some baskets of produce.

Product code: 15613

Price: £12.00 **Availability:** Gaugemaster **Tel:** 01903 884488

Web: www.gaugemaster.com



LINESIDE AND LOUD



You can add some life to your modern image 'N' gauge layout with these high-vis jacket-wearing shunting staff.

Product code: 36275

Price: £12.00

Availability: Gaugemaster

Tel: 01903 884488

Web: www.gaugemaster.com



TIME TO SHINE



Every railway station needs a clock but you can bring extra life to yours with this new one from Gaugemaster that includes an illuminated face.

Product code: GMKD60

Price: £2.95

Availability: Gaugemaster

Tel: 01903 884488

Web: www.gaugemaster.com



PARK LIFE



You can capture the spirit of this summer with this new pack of figures from Preiser. It contains figures and blankets to create a picnic scene, plus a couple playing tennis.

Product code: 10697

Price: £19.50

Availability: Gaugemaster

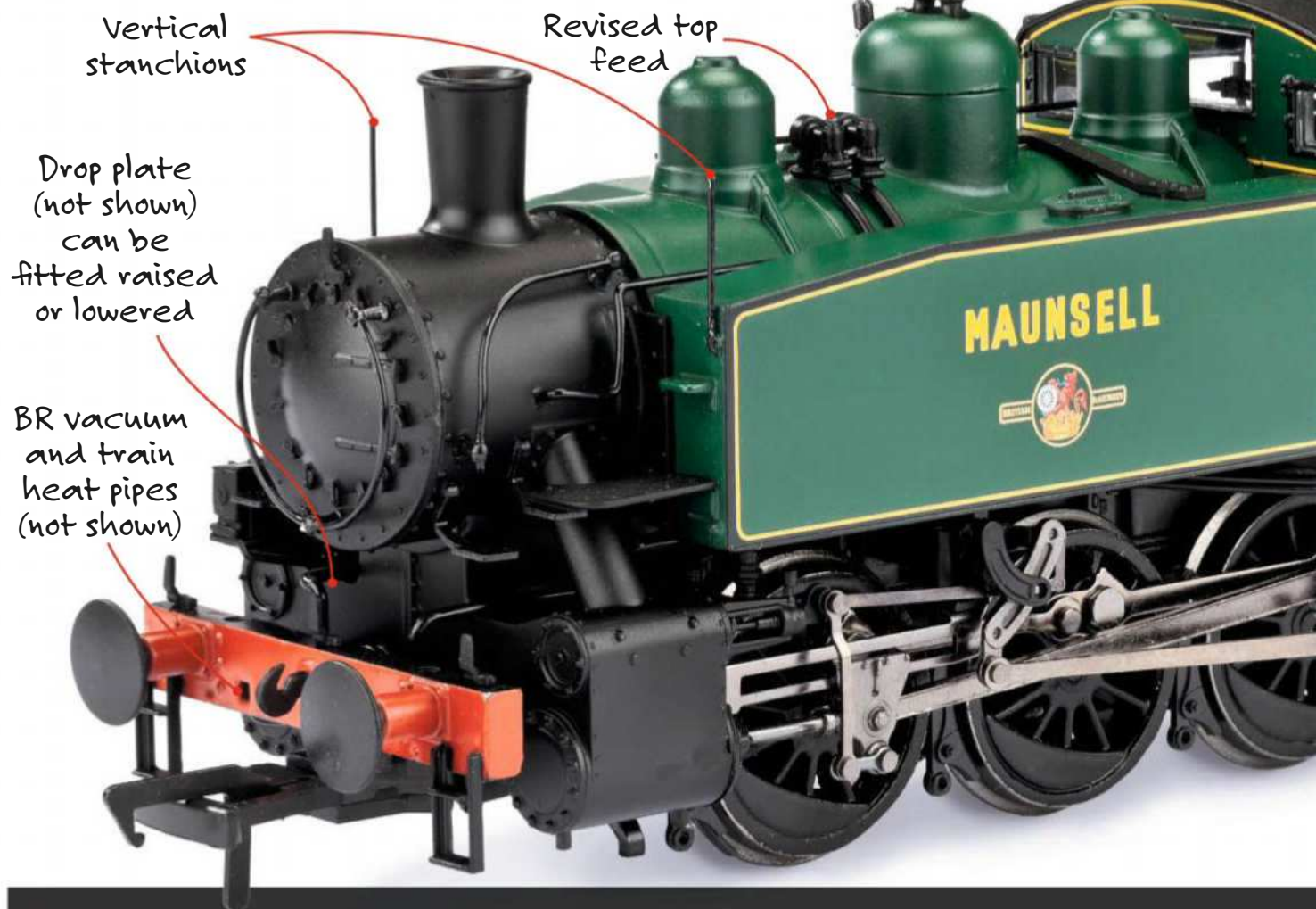
Tel: 01903 884488 **Web:** www.gaugemaster.com



Exclusive to
Model Rail

Model Rail's 'USA'

Model Rail's DS237 Maunsell, produced exclusively by Bachmann, is a beautiful representation of the real thing and a worthy addition to your collection.



'USA' of the month

MR-110 No. DS237 *Maunsell*

Maunsell is one of the brightest liveried 'USAs' we offer, thanks to the time it spent at Ashford works in the mid-1960s. Built by Vulcan Ironworks in 1943 as USA Transportation Corps No. 1968, it became one of the 15 'S100s' bought by the Southern Railway in 1947, where it became No. 65.

Under nationalisation, the new No. 30065 was at work at Southampton docks until October 1962, when it joined classmate No. 30070 on

departmental duties at Ashford works. Both were painted green, lined in yellow, and both were named - No. 30070 becoming DS238 *Wainwright* (after the SECR locomotive engineer) whereas No. 30065 was christened DS237 *Maunsell* (after the Southern Railway's first Chief Mechanical Engineer).

The pair remained in traffic until July 9 1967, but they weren't sold until March 1968. *En route* to

ORDER AT

WWW.MODELRAILOFFERS.CO.UK

0-6-0Ts



Only £124.95

£112.46 price for subscribers

Barry scrapyard in South Wales, they got as far as Tonbridge before they began to run 'hot', and were left there until the August, when they were re-sold to the Kent & East Sussex Railway.

Maunsell was withdrawn from service at the KESR in early 2017 and now requires a full overhaul. Meanwhile, *Wainwright* should re-enter service this year, albeit painted in full Longmoor Military Railway livery.

OR 01209 613984

'USAs' TO CHOOSE FROM

IN STOCK NOW

Price: **£124.95**

£112.46 price for subscribers



MR-101
No. 1968,
USATC black

MR-105
'S100' 0-6-0T
No. WD300
Major-General
Frank S. Ross



MR-107
No. 36, National
Coal Board
black

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



COMING SOON!

Price: **£129.95**

£116.95 price for subscribers

DUE Q3 2018 - ORDER NOW!

MR-104A
No. 30064,
BR lined green



MR-111
'USA' 0-6-0T
No. S73 British
Railways
unlined black



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



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!

There's no denying that my generation has had it pretty good, at least as far as living in 'interesting times'. We post-war kids started school in the early 1950s and much of life had changed little from the 1930s, the Second World War having simply eclipsed the decade of the 1940s.

I recall ration books, orange juice in a medicine bottle from a health centre, and my first banana. I also picked up a serious infection at the age of five, spent two weeks in Kingston hospital and was told (frequently) afterwards that my life had been saved by a new drug called an antibiotic.

Now, as I write this, we're celebrating the centenary of the Royal Air Force and I'm again reminded of my childhood. The press in those days was keen to look for heroes, and jet aviation offered some good ones.

Test pilot Neville Duke was fêted for taking his red Hawker Hunter WB188 through the sound barrier. Indeed, 'breaking the sound barrier' became quite commonplace. I recall hearing the bang and rumble, much like thunder, on numerous occasions until it was banned over land, due at least in part to potential property damage

and because it frightened the cows. Now where have I heard that before?

As kids, we were encouraged to follow the likes of Neville Duke, Peter Twiss and Roland 'Bee' Beamont. In the 1950s, I had one eye on Southern steam – especially blue Bulleid 'Pacifics' – and the other on my heroes of 'Treble-one' Squadron. No. 111 Squadron was, for four short years, the RAF's aerobatic team, flying nine Hawker Hunter F6s and known as the Black Arrows. I even had an autographed photo of the whole team.

There's a classic movie 'short' that gives a glimpse of the team in action but will also, I am sure, evoke memories for readers of my age group. It's also a great reminder of 1950s cinema, when *Look at Life* filled the break between the B movie and the main feature (yes, TWO films in one evening) and you queued to buy an ice cream from the usherette.

Check it out: https://youtu.be/T_QSiMkXogo

I've always enjoyed models that evoke childhood memories and I bought a 1:72 scale Hawker Hunter F6 and some appropriate Extradecal transfers. I spent a couple of evenings making a Black Arrow so that I could pose it with some other childhood favourites. I thoroughly enjoyed making this list of my childhood 'top ten'. Give it a try. The only stipulation is that they have to be from your earliest, youngest memories. I wonder how different yours will be from mine, particularly if you're of a similar age?

Steam locomotive:

Bulleid 'Merchant Navy' (blue)

Diesel locomotive: 10000

Rolling stock:

Pullman observation car

Civil aircraft: Bristol Superfreighter

Military aircraft: Hawker Hunter

Ship: SS *United States*

Car: Austin Atlantic

Tractor:

Fordson Major (blue and orange)

Bus:

Dennis Loline 3 (Aldershot & District)

Motor coach: Royal Blue Bristol half-cab with roof luggage rack

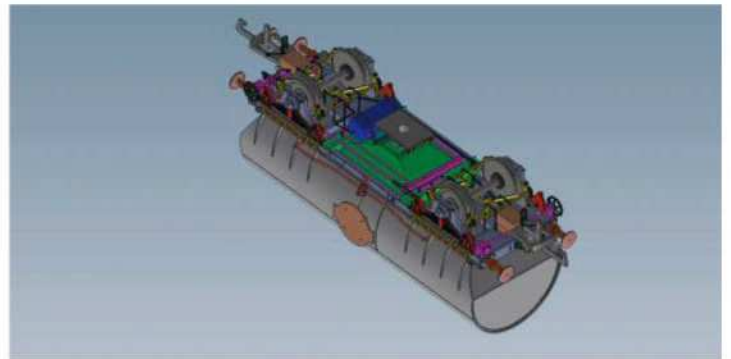
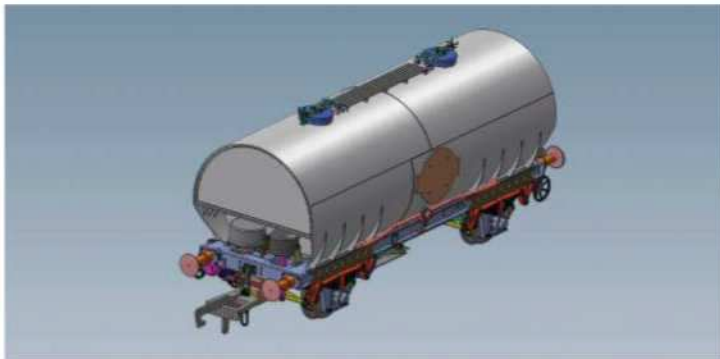
“I recall ration books, orange juice in a medicine bottle from a health centre, and my first banana”

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

accurascale



OO gauge Pre-TOPS HOP24/HUO wagon packs in stock
TOPS and Internal User packs available to order now



OO gauge Cemflo/PCV bulk cement wagon
Due October 2018

Pre-TOPS and TOPS versions available to order now

NEW ANNOUNCEMENT!

BR HOP24/HUO 24.5T hopper in O gauge

Due December 2018

Pre-TOPS & TOPS wagons available to order now



Order online at www.accurascale.co.uk

Free shipping to the United Kingdom and Ireland on orders over £100



Ex-Maccabees frontman Orlando Weeks admires the 'Z' gauge diorama based on his book *The Gritterman*, produced by the team at Postcard Models.

Modelling Lives

Tales from the world of professional model-makers.

A lack of space led **Emily Martin** to embrace the potential of 'Z' gauge. Now, Emily and her family have launched their own model business.

Postcard Models is a family business born out of an ambition to recreate our childhood worlds in miniature, inspired by fond memories of playing with train sets and building scenes from our favourite books and television programmes.

The Postcard Models team consists of me (Emily), an illustrator and teacher, and my dad, David – car restorer by day, model designer by night. Other family members help out with modelling and kit assembly as and when required.

The birth of Finn, my nephew, inspired me to create a working model railway that could be enjoyed by all generations in our family. It quickly dawned on us that our ambitions were restricted by the lack of space in our small house but, after researching various scales, we thought 'Z' gauge would suit our needs.

The next hurdle we faced was the lack of 'Z' gauge building kits on the market, especially those featuring British subjects: the majority depicted Continental or American-style structures. Therefore, we decided to design and make our own – and Postcard Models was born.

The development process began with our first models being designed and produced via 3D-printing. This proved to be a slow process and did not produce the clean, precise finish we wanted. We then took the plunge and bought a laser-

“Model assembly offers a real sense of achievement that is good for the soul”

cutting machine, giving us far greater precision and allowing us to design and build more detailed models. The name 'Postcard Models' came about because our wooden models fitted perfectly into a postcard-sized envelope!

When we began designing and creating our layout, it made us view the world around us differently; we began seeing buildings as

miniatures. It also enabled us to preserve the buildings and places we love. At the moment there is a lack of UK-outline locomotives and rolling stock in 'Z' gauge, but we know that these are being developed and should hit the market in a couple of years' time.

Last winter we built a diorama for the musician Orlando Weeks, based on his book (and accompanying album) *The Gritterman*. We recreated scenes based on his descriptions of the buildings in the town where the Gritterman lived. We even 3D-printed a Gritterman van to bring the story to life. I photographed the diorama at different stages, documenting this through our Instagram account. Our followers were able to see the evolution of the model and the unveiling of the final layout on a snowy Christmas Eve. It was an amazing project to be involved in, and it certainly ignited interest among our Instagram followers.

As a family, we're lucky enough to have many diverse, creative interests, but modelling brings them all together and utilises our collective skills in the development of kits. It is well documented that being involved in a creative art is rewarding in many different ways, not least in the area of mental wellbeing. When developing kits, we try to design buildings that are relevant to all ages in the hope of inspiring the younger generation to take up model-making.

One of our current projects is an urban scene and includes a gig venue, snooker hall and record shop. Model-making is generally

a 'slow burn' pursuit and does not offer the instant gratification – often short-lived – that is so prevalent in today's society. Model assembly offers a real sense of achievement that is good for the soul. Indeed, I believe that being creative helps to keep your brain happy and healthy.

We're currently supplying model kits for the Romney, Hythe & Dymchurch Railway, specifically focusing on buildings in Dungeness, which has always been one of my favourite places to visit, either on school trips or in our VW camper van (one of the perks of your dad restoring old cars). I've always been drawn to the buildings in Dungeness: old

fishermen's huts, deserted railway carriages and the imposing power station. The miniature railway itself has been a family favourite ever since I was a child, so to develop 'Z' gauge kits for the railway is very exciting.

What does the future hold for Postcard Models? We are looking forward to the launch of British 'Z' gauge locomotives and rolling stock which will, no doubt, make 'Z' gauge more appealing to the UK market. We are currently upscaling our 'Z' gauge kits to 'N', so it's going to be a busy couple of years, but no doubt fulfilling.

MODELLER'S CV

Based in Kent, Emily Martin is an illustrator and a teacher with a lifelong interest in model-making.
Web: www.postcardmodels.co.uk



Subscribe and save

Get
2 years of
MODEL RAIL
for the price of 1!

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

01858 438884

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

www.greatmagazines.co.uk/



PLUS
save **10%**
on all
Model Rail
offers!

PRINT

■ One-off payment – pay £48 for 26 issues

DIGITAL

■ One-off payment – pay £26 for 26 issues

PRINT & DIGITAL

■ One-off payment – pay £53 for 26 issues

SUBSCRIBE TODAY AND BENEFIT FROM:

- Free UK delivery to your door
- Instant access to your digital magazine whenever you want, wherever you are
- Save on shop prices
- Pay for 1 year of *Model Rail* and get 1 year free

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!

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

modelrail

Terms & Conditions: Subscriptions will start with the next available issue. The minimum term is 13 issues. You will not receive a renewal reminder and the recurring payments will continue to be taken unless you tell us otherwise. This offer closes on August 29 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 the geographical location in the UK. You may get free calls to some numbers as part of your call package – please check with your phone provider. Order lines open 8am-9.30pm (Mon-Fri), 8am-4pm (Sat). UK orders only. Overseas? Please phone +44 1858 438828 for further details. Calls may be monitored or recorded for training purposes. For full terms and conditions please visit www.greatmagazines.co.uk/offer-terms-and-conditions

End-of-steam eulogy

Graham Nicholas' 'Shap Wells' is a tribute to Britain's last great steam show.

Words: **Richard Foster** Photography: **Chris Nevard** Artwork: **Andrew Mackintosh**



The Ford Zephyr is racing along the narrow road to Shap Wells. The driver, Paul Riley, has his foot to the floor – driving far too fast – and the four other occupants are being bounced around like pinballs. But they don't care: they have only one goal.

The car slides to a halt and the five young men pile out, cameras in hand. They can hear the distant approach of the 'Britannia' that they'd spent all morning cleaning.

There's no time to lose. Other photographers have already staked their spots on the hillside. One enterprising young chap with a camera has claimed prime position on the roof of a permanent way hut. The new arrivals, all members of an unofficial club called the Master Neverers Association, run up the embankment.

The cloud that has threatened rain all day breaks, and golden beams of light bring out the best of the moorland

colour as though someone up above was a secret gricer. You can tell that the 'Brit' is struggling with the gradient. It's in view now, throwing a column of exhaust into the air.

Closer it gets, closer, closer still. Fingers are poised expectantly over camera shutters.

And then... click!

The 'Britannia' passes by, the irate driver indicating his displeasure to the photographer on the hut's roof.

The 'Master Neverers' can relax – the master shot is in the can. But their pause is brief. Minutes later the Ford Zephyr is off, its engine revving frantically. There are more locomotives out there, more photographs to take.

That four-mile stretch of the West Coast Main Line north from Tebay past Scout Green to Shap Summit played an important part in the story of the end of BR ➤

VITAL STATS

Layout:

'Shap Wells'

Size: 30ft by 9ft 3in

Gauge: 'OO'



The gricers

There may be no station on 'Shap' but that doesn't mean it's deserted. There are two groups of figures, telling the story of the photographers and enthusiasts who flocked to this superb location to capture steam at its best.

The biggest group of photographers is to the left-hand end of the layout. There are two cars parked on the road to Shap Wells. The Ford Zephyr, RDU 290, belongs to Paul Riley, unofficial leader of the Master Neverers Association. One tale associated with this car is a 105mph dash on the M6 in an effort to overtake 'Britannia' No. 70013 *Oliver Cromwell*

before feigning a breakdown to take the shot from the hard shoulder. On the layout the car has been abandoned as the MNA race up the hillside to get in position for the 'master shot'.

The Ford Anglia, parked much more neatly, is an homage to his father Roger's car. In fact, a miniature Roger is also on the hillside.

The photographer on the permanent way hut is one Trevor Ermel. There's a splendid black and white photograph of a northbound 'Brit' that could only have been taken from this vantage point.

"I've always wondered, 'where's he

taken that from?'" said Graham. "And, if you look, you can work out that he must have been standing on the roof of the hut. We found out who he is thanks to RMweb. There was a thread going about the end of steam and he joined the conversation.

"I asked if he'd stood on that hut and he confirmed that he had. The driver had waved at him to tell him to get off. That was taking trespassing too far!"

At the right-hand end of the layout, parked on the road bridge, is Ivo Peters' famous dark blue Bentley NYH581. Ivo is there, along with his photographic comrade Norman Lockett.

2



steam. It was the last place to see steam banking on a major main line, and a major main line set against a backdrop of rugged northern England. It was a stunning setting in which to see man and machine pit their wits against the 1-in-75 climb.

STEAM FINALE

The glory days were over by the mid-1960s; the Stanier 'Pacifics' had gone and increasing numbers of green and blue diesels could be seen among the grubby 'Jubilees', 'Britannias', 'Black Fives' and such like, with BR '4MT' 4-6-0s or LMS 2-6-4Ts bringing up the rear.

And then, on the evening of December 31 1967, it was all over. Carlisle Kingmoor shed closed to steam, along with Tebay, home of the bankers. Steam, in 1968, would be confined to far less arduous routes.

Yes, steam was still working hard in the glorious setting of the 'Settle & Carlisle' and the Hope Valley. Yes, trains were still being banked over Copy Pit. And yes, there were very occasional steam workings over Shap. ➤



Clun Castle's owner Pat Whitehouse and maverick BR manager Gerard Fiennes devised a series of railtours for No. 7029 on the East Coast Main Line and across to Carlisle via Leeds. The WR 4-6-0 tackles Shap in atrocious weather on October 14 1967 with the LCGB's 'Castle to Carlisle' tour. GAVIN MORRISON



3 things we like



1

Graham studied the footbridge during his field trip to Shap Wells. He built it from soldered brass strip.



2

The Train-Tech colour light signal is controlled by a Heathcote Electronics Irdot sensor positioned in the track.



3

Peco Code 75 concrete sleepered track mimics the re-laying work that BR carried out circa 1966/67.

What makes this layout great?

Layouts where you can just watch long trains pass are always a joy. But factor in the scenery, the incline and the way it operates and 'Shap Wells' is very special indeed. It's also unusual to see enthusiasts on a layout – an important part of railway history that's rarely modelled.

The buildings

There are only a few buildings on 'Shap Wells' but Graham turned the work over to friend Paul Bolton.

"Graham asks me to build something, we work out the space and I build it to fit that space," Paul jokes. "They're slightly compressed. They're all built from photographs and made from plastic sheet, plus the usual bits and bobs."

One useful tool that Paul uses is a silhouette

cutter. He uses the device's software to draw the shapes he requires then sends it to the machine to be cut out.

"It's a bit like a flatbed printer, but you pass plastic sheet through it. It can only handle up to 20thou plastic card, but you can draw whatever you want and it cuts it out. I didn't do the sides but I used it for all the doors and windows. I used it to make all the buildings on 'Grantham'."

But Britain's last great steam show was over. Its memory, however, would live on in countless photographs and pieces of film.

MASTER SHOTS

The climb over Shap was the ideal canvas for railway photographers who wanted to capture the raw power of steam. It was particularly enticing for Britain's new generation of railway photographers.

These bold and fun-loving young men, many of whom were members of what became known as the Master Neverers Association, eschewed the traditional front three-quarter railway photography of Eric Treacy or W.J.V. Anderson. They set the train in the landscape, capturing the columns of exhaust against darkening skies. They thought nothing of driving hundreds of miles and spending all night cleaning locomotives to achieve their master shots.

The 'traditional' railway photographer still made regular pilgrimages to Shap. Derek Cross insisted that his friend Ivo Peters make the four hour-plus journey from Ivo's home in Bath. Both Derek and Ivo's work has appeared in numerous volumes and it's this legacy that helped inspire Graham Nicholas to model the climb to Shap Summit.

Graham is no stranger to *Model Rail*, and is responsible for 'Grantham – the Streamliner Years' (MR202). But how did he get from the glamour of 1930s LNER East Coast Main Line to the run-down steam on the West Coast Main Line of some 30 years later?

'Grantham' was effectively a commission, the result of a conversation with friend Mark Allatt, former chairman of the A1 Steam Locomotive Trust. But Graham's real passion is for the LMS, ironically the LNER's bitter rival. That was his father Roger's influence. Roger is also no stranger to *Model Rail*. His 'OO' gauge take on Perth station appeared in the May 2001 edition (MR31), crediting his son's work on the layout.

Graham's interest and fascination with the West Coast Main Line burns just as brightly today as it did when his father introduced him to the route via the photographs of Derek Cross and Ivo Peters.

"You could argue that this layout started 40 years ago," says Graham. "It's my number one favourite route because of my father. He came here in 1964 and took some 8mm cine film. He enthused me with all things LMS, particularly the big Stanier stuff. [Shap] was their ultimate playground."

Anyone who saw 'Shap Wells' at 2017's Warley National Model Railway Exhibition will have been impressed with its 30ft length. But the layout almost looks lost in Graham's railway room.

Most people's dream home would probably include a cottage in the country, or maybe a villa in Spain. We railway modellers think differently and Graham has



"You couldn't design a railway any better to fit into the natural landscape"



Workbench

How to model a dry-stone wall

The dry-stone wall, a distinctive north country feature, was what Graham calls 'a labour of love'. Using the following method, he could make a couple of lengths in an evening. The layout features 51ft of miniature dry-stone wall in total! Here's how Graham did it:

00 GAUGE | 40 mins per section |



1

The foundation is a 16mm-wide strip of balsawood, some 2-3in long, covered with plaster bandage.



2

A mix of household plaster, PVA, poster paint and fine buff ballast is added to create a coloured, textured mix. Make it stiff but workable.



3

Apply to the wall (about 3mm deep). Scribe the outline of the stones while it's still wet. The plaster will always dry a bit lighter.



4

Cut a small semi-circle into a piece of plastic card to form the capping stones. These are randomly distressed to break up the uniform look.

Workbench section starts on page 37

“It’s almost as if the designers planned this stretch, this particular embankment, as a setting in which to show off their locomotives”

4 ‘Britannias’ were often used in the summer of 1967 on Saturday relief trains. Barry Oliver built two LMS Period III ‘porthole’ coaches and finished them in BR blue/grey, as per the prototype.



Photographers and enthusiasts braved the cold winter weather to witness the last steam on Shap in 1967. There are just a few days to go as 'Britannia' No. 70024 *Vulcan* and '4MT' No. 75030 darken the skies with a Down freight on December 20 1967. LES NIXON



been lucky enough to find an old school house... attached to an old chapel.

With the cottage redecorated to his tastes, Graham has turned his attention to the 42ft by 28ft space next door. That space will eventually disappear as Graham's dream layout takes shape, a swirling mass of London Midland Region locations from the Border country: Carlisle Upperby in one corner, Carlisle Citadel here, a stretch of 'Settle & Carlisle' there, a little bit of the Waverley Route and 'Shap Wells' smack bang in the middle. It's an ambitious plan for sure, but one that will satisfy Graham's desire to finally build the layout of his dreams.

"I've been sketching plans like this since I was in my late teens, always dreaming that I'd own a place this size."

END-OF-STEAM THEME

'Shap Wells' itself is part of Graham's grand plan but it came into being in a rather roundabout way, thanks to Barry Oliver, one of Graham's small band of modelling colleagues.

Barry organises the demonstration area at Warley and wanted to give 2017's show a 1967 theme. With Graham wanting to include Shap in his grand plan, Barry's Warley influence helped speed things along.

"I'd always intended to have a scene on Shap bank so it was a win-win," Graham recalls. "I talked about it with Barry, showed him a plan and then showed it to [show organiser] Paul Jones. He knew me through 'Grantham', and that gave him the confidence to say yes."

Those conversations took place nearly three years ago. ➤



LAYOUT SHAP WELLS

The physical work took about 20 months to complete.

"Modelling the climb up Shap with the bankers was always the dream. It's almost as if the designers planned this stretch, this particular embankment, as a setting in which to show off their locomotives because it's a wonderful stage. You couldn't design a railway any better to fit into the natural landscape."

'Shap Wells' will, one day, become part of Graham's dream layout. In the meantime, it's an exhibition layout and features the signal box and sidings at the summit. This scene, Graham says, "has no place in the big plan so that is completely built to make this into an exhibition layout".

But if you're going to have a banker, he says, you've got to have them dropping off at the summit, which is "such a distinctive and iconic aspect of the operation".

Graham works to the rule of thirds, in that the scene ought to be three times as long as the longest train. This enables trains on 'Shap Wells' to get lost in the landscape – that's why the longest train is the equivalent of 12 coaches, but most are usually nine coaches rather than 14 or 15.

"The summit scene is a little compressed," Graham admits, "but it sums up the place. It's on a curve and I've not had to force it."

COMPOSITION AND CONSTRUCTION

So how do you take a steeply climbing main line through the Pennines and turn it into a 'OO' gauge model railway?

The secret, Graham explains, is in the trackbed. He cut 9mm plywood into strips to the rough outline of the long sweeping curves and placed pins down the centre. Using equations that he learned from BR civil engineers and researchers at Derby, he uses Microsoft Excel to adjust the position of the pins to achieve a smooth, sinuous curve.

Each 120mm wide trackbed strip is 5ft long. A further strip of 100mm wide 9mm ply is glued and screwed to underside to form a 'T' shape. This 'T' shaped beam forms the backbone of each baseboard. Each board has a pair of legs that are 17mm longer at one end to give an overall gradient of 1-in-90 (a touch more practical than the real 1-in-75).

The beam, says Graham, is what gives the layout its strength.

"All the scenery supports are cantilevered off it and you've then got the end pieces and the legs. You've got to get it flat and level because you don't want the train going along like a roller coaster."

One thing that immediately grabs the attention is the foam underlay.

"I've used it for 35 years," Graham says. "I used it on 'Grantham' and I used it on the loft layout that I had before that. I use it for three reasons:

"When you look at pictures of steam-age ballast, it's absolutely immaculate. Ironically, here, it was all relaid with continuous welded rail (which is why we used the concrete sleeper track) and it was a bit messy but generally it was very neat with a cleanly defined cess.

"It's very quiet.

"Finally, it's quick. A lot of people pour scorn on it – it does have a shelf life and it does perish."

If it does perish, Graham can pull it up and replace it in a trice.

SIMPLE SOLUTION

You would think that running double-headed trains and banking trains would require DCC control. But lurking in the fiddleyard is the metallic finish of a Hammant & Morgan Duette. Surely the layout isn't analogue controlled? ➤

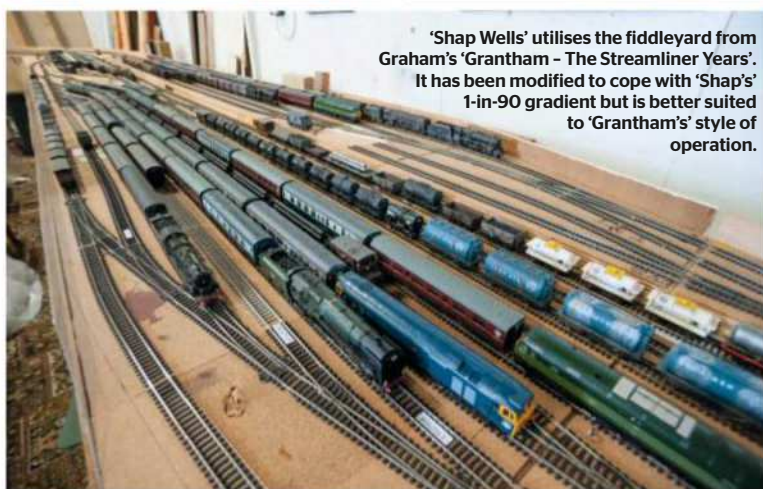
BEHIND THE SCENES



Left: This piece of electronic wizardry switches power from Track 1 to Track 2 to enable the banking locomotive to drop off an uphill train and reverse down the bank. Prototypical operation without DCC!



A view of Graham's innovative 'T' beam baseboards. The 'T' is formed from 120mm and 100mm wide strips of 9mm plywood, glued and screwed together. The scenery supports a cantilever off the 'T'.



'Shap Wells' utilises the fiddleyard from Graham's 'Grantham - The Streamliner Years'. It has been modified to cope with 'Shap's' 1-in-90 gradient but is better suited to 'Grantham's' style of operation.



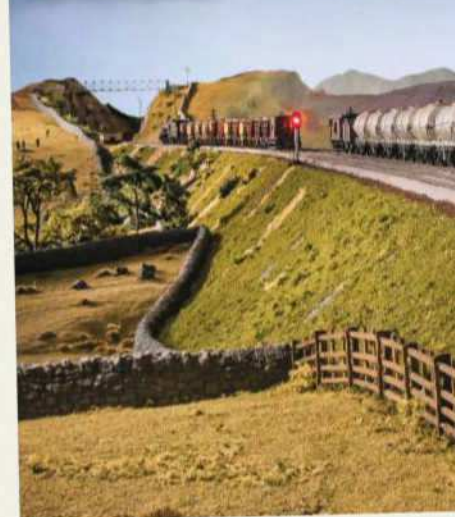
“I’d started building the layout but carried out a site visit, booking a room at the Shap Wells hotel”

6





Graham's long-term dream is that every train will sport authentic headlamps. He uses Springside LMS lamps, fixed in place with a small piece of Blu Tack. One small modification he makes to the lights is to remove the moulded handles. Graham has also fitted lower smokebox door lamp irons where applicable.



7

All trains up the bank are powered through one DC controller which, in some cases, controls both locomotives. Graham and his team have painstakingly tested his locomotive fleet in order to find locomotives that run well together.

"You've got to find the two that will match," he says. "We've had trains where the banker has been following it up the bank, and others where it's shoving it into a pile of wagons."

Getting the banker to drop off looks as though it's digitally controlled, but even this is analogue.

"It's deceptively simple," says Graham.

You start with both controllers on the Gaugemaster UD panel mount controller set to the same direction and at the same speed setting. Controller 1 takes the train, with both locomotives, up the bank to the Down Home signal. When this changes to danger, clever electronic gubbins under the baseboard smoothly switches power to the other controller.

The first locomotive continues and, at the end of the 'station limits' section by the Down Starter signal, comes under control of the first controller again. But the banker, still within the station limits and thus under control of the second controller, can be brought to a halt. It looks extremely prototypical and is 100% analogue, using what Graham jokingly calls 'Dinosaur Control'!

FIRST-HAND KNOWLEDGE

There's one area of the climb to Shap summit that doesn't appear in photographs and that's the little copse that flanks Trundle Beck, which emerges from under the embankment close to the road to Shap Wells.

"I'd started building the layout but carried out a site visit, booking a room at the Shap Wells hotel. I particularly wanted to suss this out as you cannot see this from photographs."

Graham's research allowed him to study the beck and its bridge, provided because the beck drains straight off the fells. It's also one of the few places in the locality with any trees. A public

Above: '9F' No. 92022 is a Hornby Crosti model. The rebuilt Crostis were a common sight over Shap in the late 1960s, as the majority were allocated to Birkenhead Mollington Street for working steel traffic to Glasgow. Graham has created a rebuilt Crosti by removing the smoke deflectors, lower 'smoke box' and the side-exit exhaust.

footpath gave Graham the access he required.

"It was too nice not to include. It's pretty much as is but condensed a bit."

Don't think for a moment that the area behind the embankment isn't finished.

"From certain angles you think 'well, you haven't finished it,'" says Graham.

"But the idea is that, from the classic viewpoint, it becomes more like a forced perspective backscene. I'd like to do a bit more to it but we were running out of time, and I'd like to paint a little more dramatic sky."

"I'd never done any backscene painting before but I knew I had to do it. I started it but another member of the gang, Craig Thompson, took over and so it was a bit of a joint exercise."

"The other problem with it is that a lot of pictures look different depending on the light and the weather so you never get it consistent. It's based on a photograph of a Brush Type 4 on a sunny day. You can see the mixture of the light yellows and greens and the pinky-purple heather. We chose that one as a reference picture."

'Shap Wells' will remain an exhibition star for the foreseeable future, despite its role in Graham's dream layout. It does require a new fiddleyard as 'Grantham's' can't really cope ("The 'Grantham' one is designed for a different type of operation," says Graham. "A lot of 'Grantham' trains terminate and come back.").

“The summit scene is a little compressed, but it sums up the place. It’s on a curve and I’ve not had to force it”

8



9

Its next outing is at Leeds Model Railway Society’s show on October 27/28 (see www.leedsmrs.org/exhib1.html).

The ‘transition era’ is still the most popular era of steam and diesel to model, but very few layouts really illustrate just how that era looked. Graham and his team have got it spot on.

Watch the layout for any length of time and you do get a feel for what it must have been like to come here in the mid to late-1960s. You never know what might be climbing the bank next. Will it be an immaculate blue English Electric Type 4, fresh from the factory? Or will you be lucky and get to witness the spectacle of a heavy steam-hauled freight, with a Standard ‘4MT’ bringing up the rear?

So, find a spot on the embankment, among the other photographers, and wait. It’ll be worth it. 

10



MODELLER CV: GRAHAM NICHOLAS

Graham is a career railwayman. He started as a BR management trainee in 1986 and, after a few years' training, spent six years at Longsight Depot, Manchester, followed by a senior operations manager role at Preston.

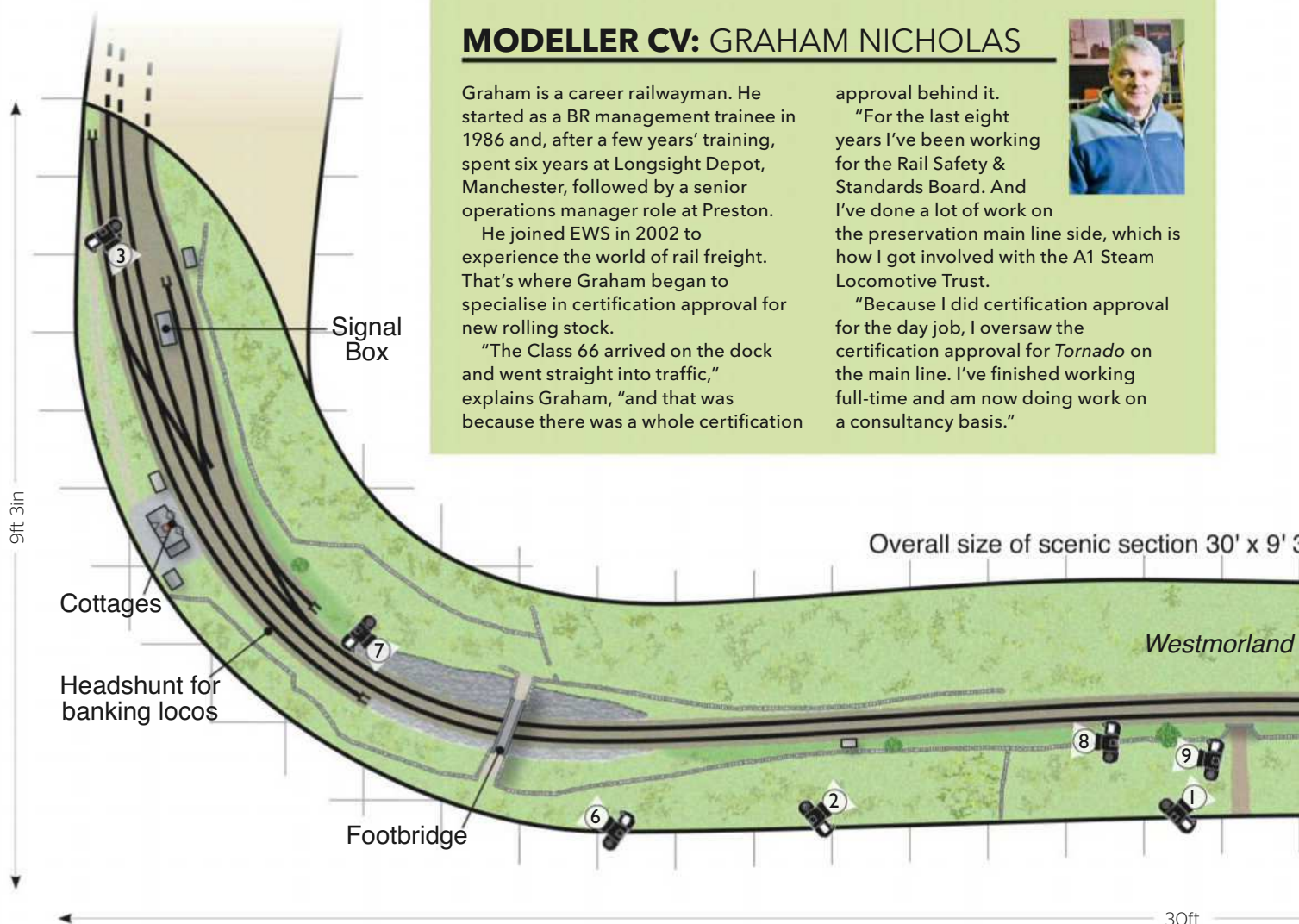
He joined EWS in 2002 to experience the world of rail freight. That's where Graham began to specialise in certification approval for new rolling stock.

"The Class 66 arrived on the dock and went straight into traffic," explains Graham, "and that was because there was a whole certification

approval behind it.

"For the last eight years I've been working for the Rail Safety & Standards Board. And I've done a lot of work on the preservation main line side, which is how I got involved with the A1 Steam Locomotive Trust.

"Because I did certification approval for the day job, I oversaw the certification approval for *Tornado* on the main line. I've finished working full-time and am now doing work on a consultancy basis."



If you want to see more pictures of this great layout, subscribe to our digital edition, available from Google and Apple



Graham bought two Brush Type 4s from renowned modeller Tony Wright. Both have previously run on Wolverhampton MRG's 'Stoke Summit'. Tony also built Graham's model of preserved LNER 'A4' No. 4498 Sir Nigel Gresley.

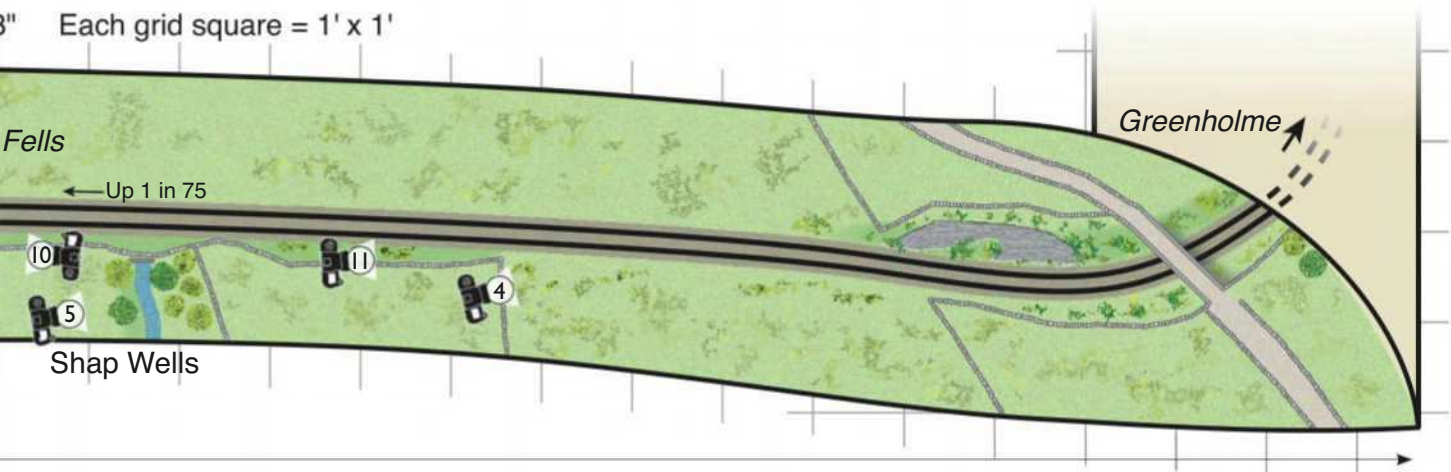


11

Team Shap

Graham has had help from six modelling friends to complete 'Shap Wells': Barry Oliver, Paul Bolton, Tom Dewdney, Craig Thompson and Tony Wright.

One of Graham's favourite trains is the morning Crewe-Carlisle parcels. "Every photograph you see of it, it's a different rake of coaches," says Graham, "but one distinctive feature is that in the middle was a guard's van. Apparently, the unions objected because it was such a hotch-potch of vehicles that the steam heating would never get through the train, so they wanted a guard's van with a stove to keep warm."





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

C RAIL INTERMODAL OO CONTAINERS

CR79 20ft Container No. OOLU 328488 OOLC.....	£7.75
CR80 20ft Tank Container No. FOTU 825037 Foodtrains.....	£10.99
CR81 40ft Dry Box Container No. CAIU 41182 CAI.....	£8.55

DAPOL OO CONTAINERS

4F-028-102 40ft Container Twin Pack - Mitsui.....	£14.00
4F-028-103 40ft Container Twin Pack - Mitsui, weathered.....	£16.00

DAPOL OO WAGONS

4F-025-005 MJA Bogie Ballast Wagon No. 502019-502019 Freightliner Heavy Haul.....	£44.99
4F-025-006 MJA Bogie Ballast Wagon No. 502005-502006 Freightliner Heavy Haul.....	£44.99
4F-025-007 MJA Bogie Ballast Wagon No. 502011-502012 Freightliner Heavy Haul.....	£44.99
4F-025-008 MJA Bogie Ballast Wagon No. 502023-502024 GBRI Europorte.....	£44.99
4F-025-009 MJA Bogie Ballast Wagon No. 502025-502026 GBRI Europorte.....	£44.99
4F-025-010 MJA Bogie Ballast Wagon No. 502031-502032 GBRI Europorte.....	£44.99

DAPOL OO STEAM LOCOMOTIVES

4S-018-002 B4 0-4-0T Steam Loco No. 90 "Caen" Southampton Docks Brown.....	£99.99
4S-018-002D B4 0-4-0T Steam Loco No. 90 "Caen", DCC Fitted.....	£115.95
4S-018-003 B4 0-4-0T Steam Loco No. 88 Southern Black with green lining.....	£99.99
4S-018-003D B4 0-4-0T Steam Loco No. 88 Southern Black, DCC Fitted.....	£99.99
4S-018-004 B4 0-4-0T Steam Loco No. 30089 BR Black E/E.....	£99.99

HELJAN OO DIESEL SHUNTERS

2900 Class 07 Diesel Shunter No. D2985 BR Green with wasp stripes.....	£118.95
2901 Class 07 Diesel Shunter No. D2990 BR Green with wasp stripes.....	£118.95
2902 Class 07 Diesel Shunter No. D2992 BR Blue with wasp stripes.....	£118.95
2903 Class 07 Diesel Shunter No. 07 010 BR Blue with wasp stripes.....	£118.95
2910 Class 07 Diesel Shunter No. 2993 BR Blue with wasp stripes.....	£118.95
2911 Class 07 Diesel Shunter No. 07 005 BR Blue with wasp stripes.....	£118.95
2912 Class 07 Diesel Shunter No. 07 001 Peak Stone Yellow.....	£118.95
2913 Class 07 Diesel Shunter No. 07 003 British Industrial Sand.....	£118.95

HORNBY OO LOCOMOTIVE + COACHES + DRIVING VAN

R3512 Wainwright H Class Train Pack.....	£157.99
R3617 Rebuilt Merchant Navy Class Steam Loco No. 35030 "Elder Dempster Lines".....	£144.99
R4405B 63ft Hawksworth Corridor Third Coach No. W2267W BR.....	£44.99
R4407B 63ft Hawksworth Corridor Composite Coach No. W780W BR.....	£44.99
R4493B 63ft Hawksworth Corridor First Coach No. W811W BR.....	£44.99
R4859 Mk3 Driving Van Trailer DVT No. 82141 Virgin Train.....	£64.99

KERNOW MODELS OO DIESEL LOCOMOTIVES

--	--



R3672 Class 50 Diesel Loco No. 50 010 "Monarch" BR Large Logo..... £169.99



R3672D Class 50 Diesel Loco No. 50 010 "Monarch" BR Large Logo DCC Sound Fitted..... £289.99

OXFORD RAIL OO SOUND STEAM LOCOMOTIVE + WAGON

76D003X5 Dean Goods Steam Loco No. 2475 GWR Green, DCC Sound Fitted.....	£178.95
76MW7031 7 Plank Open Wagon No. 1 Napsbury Hospital.....	£9.99

BARGAINS - OO GAUGE

BACHMANN OO LOCOMOTIVES

31-679 Class 85 AL5 Electric Loco No. E3095 Electric Blue.....	£79.99
32-993 Wickham Type 27 Trolley Car BR Yellow.....	£54.99

BACHMANN OO WAGONS + VANS

33-902 45 Ton Bogie Well Wagon No. DB 901021.....	£14.00
37-087 7 Plank End Door Wagon GWR Grey.....	£12.00
37-089 7 Plank End Door Wagon No. 127916 NE Grey.....	£12.00
37-090 7 Plank Fixed End Wagon No. 127916 NE Grey.....	£12.00
37-097 Coal Trader Pack - 3 x 5 Plank Wagons.....	£32.95
37-279 27 Ton Steel Tippler Wagon MSV No. B386309.....	£99.99
37-904 12 Ton Planked Shock Absorbing Van Planked Ends.....	£11.50
37-932 3 Plank Wagon No. 473449 LMS Bauxite.....	£8.99
37-933 3 Plank Wagon No. 471405 LMS Grey.....	£8.99
37-952 Conflat A Wagon BR Bauxite with BD Container.....	£11.99
38-007 46 Tonne RNA Nuclear Flask Barrier Wagon.....	£15.50
38-044 31 Tonne OBA Open Wagon No. 110521.....	£15.95
38-146 29 Tonne ex VDA Sliding Door Box Van ZRA No. ADC200654 BR, weathered.....	£15.95
38-260V Delabole Slate Preslio Wagon Triple Pack, BR Bauxite.....	£49.99
38-287 22 Ton Preslio Wagons BR Bauxite x 3.....	£52.99
38-701 12 Ton Pipe Wagon No. B484163 BR Bauxite.....	£14.99

BACHMANN OO COACHES

39-052E BR Mk1 SO Second Open Coach No. M3741 Crimson + Cream.....	£26.95
39-053F BR Mk1 SO Second Open Coach No. S3848 (SR) Green.....	£26.95
39-075C BR Mk1 BSK Brake Second Corridor Coach No. M35322.....	£26.95
39-077F BR Mk1 BSK Brake Second Corridor Coach No. M34231.....	£26.95
39-082B BR Mk1 BSK Brake Second Corridor Coach No. 35329.....	£26.95
39-082B BR Mk1 BSK Brake Second Corridor Coach No. 35329.....	£26.95

39-100C BR Mk1 RU Restaurant Car No. E1974.....	£26.95
39-103C BR Mk1 RU Restaurant Car No. E1925.....	£26.95
39-105 BR Mk1 RU Restaurant Car No. W1900.....	£28.95
39-125C BR Mk1 CK Composite Corridor Coach No. M16153.....	£26.95
39-129C BR Mk1 CK Composite Corridor Coach No. W15060, weathered.....	£23.99
39-152B BR Mk1 FK Corridor 1st Coach No. E13113.....	£26.95
39-153D BR Mk1 FK First Corridor Coach No. S13006.....	£26.95
39-176D BR Mk1 BG Full Brake Coach No. E80533.....	£26.95
39-177C BR Mk1 BG Full Brake Coach No. M80565.....	£26.95
39-225A Mk1 BCK Brake Composite Corridor Coach No. E21222.....	£26.95
39-226C Mk1 BCK Brake Composite Corridor Coach No. M21026.....	£26.95
39-228D Mk1 BCK Brake Composite Corridor Coach (SR) Green.....	£26.95
39-240 Mk1 FO First Open Coach No. M3001.....	£26.95
39-241 Mk1 FO First Open Coach No. M3000.....	£26.95
39-242 Mk1 FO First Open Coach No. M3002.....	£26.95
39-250A Mk1 RFO Restaurant Car No. M5.....	£26.95
39-274 Mk1 GUV No. E93326 BR Blue Grey Motorail.....	£26.95
39-380A Mk2A BSO Brake Second Open Coach 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
39-455 LMS 57ft Porthole Corridor 1st Coach No. M1122M.....	£29.95
39-455A LMS 57ft Porthole Corridor 1st Coach.....	£29.95

HELJAN OO LOCOMOTIVES

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

HORNBY OO LOCOMOTIVES

R1177 Gloucester City Pullman Express Train Set.....	£119.99
R2700 GWR Steam Freight Train Pack.....	£28.99
R3634 Drummond 700 Class No. 30316 BR Black E/E, weathered.....	£89.99
R3311 Schools Class No. 30908 "Westminster" BR Green E/E.....	£94.99

R3332 King Class Steam Locomotive No. 6029 "King Edward VIII" BR Green L/C.....	£89.99
R3341A 2-HAL 2 Car EMU Train Pack Set No. 2623 BR Blue.....	£89.99
R3359 Railroad Ex-GWR 0-4-0 Steam Locomotive 391 Rothery Industrial 101 Class.....	£22.99
R3360 Railroad Ex-Industrial 0-4-0 Steam Locomotive No. 087 Mosley Tarmacadam.....	£22.99
R3361 Railroad Ex-SR 0-4-0 Steam Locomotive No. 6 Hogarth Stone.....	£22.99
R3388TTS Class 67 Diesel 67 004 "Cairn Gorm" Caledonian Sleeper, DCC Sound.....	£139.99
R3421 Drummond 700 Class Steam Locomotive No. 30698 BR Black E/E.....	£79.99
R3459TTS Fowler 2F Class Steam Loco No. 40626 BR Black E/E, TTS Sound.....	£119.99
R3460TTS Fowler 4F Class Steam Loco No. 44198 BR Black, TTS Sound.....	£99.99
R3463 52xx Class Steam Locomotive No. 5231 BR Black E/E.....	£99.99
R3465 N2 Class Steam Locomotive No. 4765 LNER Black.....	£69.99
R3476 Class 153 Single Car DMU Set No. 153 327 Arriva Trains Wales.....	£79.99
R3479 Class 60 Diesel Locomotive No. 60 066 Drax.....	£119.99
R3489 Railroad GWR Freight Train Pack.....	£29.99

HORNBY OO COACHES + VAN + WAGONS

R4353 Railroad BR Mk1 Corridor Composite Coach No. W15162 BR.....	£17.00
R4803 Mk3 Buffet Coach No. W40008 BR Blue & Grey livery.....	£19.99
R4827 Railroad Mk1 Second Open SO Coach No. M4478 BR.....	£17.00
R4629 Railroad Mk1 Tourist Second Open TSO Coach BR.....	£17.00
R4660 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 "Agnath".....	£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

NEW RELEASES - N GAUGE

DAPOL N COACHES

2P-005-123 Mk3 Trailer First TF Coach No. 41121 Intercity Executive.....	£22.99
2P-005-134 Mk3 Trailer Standard TS Coach No. 42048 Intercity Executive.....	£22.99

DAPOL N VANS

2P-005-135 Mk3 Trailer Standard TS Coach No. 42272 Intercity Executive.....	£22.99
2P-005-140 Mk3 Intercity Executive Buffet Coach No. 44048.....	£22.99
2P-005-161 Mk3 Trailer Guard Standard TGS No. 44081 Intercity Executive.....	£22.99

DAPOL N WAGONS

2F-013-065 Gunpowder Van No. W105730 GWR.....	£9.85
2F-013-066 Gunpowder Van No. W105730 GWR, weathered.....	£10.00

BARGAINS - N GAUGE

DAPOL N WAGONS

2F-023-001 Siphon H Bogie Van No. 1424 GW Brown.....	£11.99
2F-024-003 Siphon G No. W1445 BR Maroon.....	£11.99
2F-034-008 21 Ton Hopper Wagon No. 10 Nikes, weathered.....	£9.00
2F-034-015 21 Ton Hopper Wagon No. 145 SCB Grey.....	£8.00
2F-038-006 20 Ton Steel Wagon No. B315 754, weathered.....	£9.50
2F-038-012 20 Ton Steel Wagon No. 12 Cilely, weathered.....	£10.00
2F-038-013 20 Ton Steel Mineral Wagon No. 6390 Bolsover.....	£9.00
2F-038-014 20 Ton Steel Mineral Wagon No. 6390 Bolsover, weathered.....	£10.00
2F-060-001 Grampus Wagon No. DB990641 Indian Red.....	£11.00

DAPOL N COACHES

2F-060-001 Grampus Wagon No. DB990641 Indian Red.....	£11.00
2F-071-002 7 Plank Open Wagon No. P238834 BR Grey, weathered.....	£7.99
2F-071-01 7 Plank Open Wagon No. 48 Ammanford Colliery, weathered.....	£8.00
2F013003 Gunpowder Van LNWR.....	£7.00
2F013004 Gunpowder Van LNWR, weathered.....	£7.50
2F034004 21 Ton Hopper Wagon No. 128 NCB Grey Merthyr lettering, weathered.....	£8.00
2F038003 20 Ton Steel Wagon No. 33223 GWR Grey.....	£8.50
2F038004 20 Ton Steel Wagon No. 33223 GWR Grey, weathered.....	£9.00
2F071004 7 Plank Open Wagon No. 302078 LMS Grey, weathered.....	£7.50
2F071006 7 Plank Open Wagon No. 37423 SR Brown, weathered.....	£7.50
2P-000-051 Collett Composite Coach No. 7053 GWR.....	£16.99

DAPOL N COACHES

2P-000-052 Collett Composite Coach No. 7064 GWR.....	£16.99
2P-000-151 Collett Corridor Third Coach No. 1084 GWR.....	£16.99
2P-000-152 Collett Corridor Third Coach No. 1094 GWR.....	£16.99
2P-011-005 Gresley LNER Teak Corridor 3rd Class Coach No. 60631.....	£18.99
2P-011-053 Gresley 2nd Class Coach No. E12704E BR.....	£18.99
2P-012-002 Maunsell Corridor 1st Class Coach No. 7674 SR Maunsell Green.....	£18.99

GRAHAM FARISH N LOCOMOTIVES

372-310 Merchant Navy Steam No. 35024 "East Asiatic Company" BR Blue E/E.....	£109.95
372-313 Merchant Navy Steam No. 35021 "New Zealand Line" BR Malachite.....	£109.95
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. D11670 "Mammoth" BR Two Tone Green.....	£149.99
31-650LDC DCC Fitted.....	£169.99
31-650QD Class 47 Diesel Loco No. 47 829 Police.....	£149.99
31-650QDC DCC Fitted.....	£169.99
31-651Z Class 47 Diesel Loco No. 47 973 "Midland Counties Railway 150 1839-1989".....	£149.99
31-651ZDC DCC Fitted.....	£169.99
31-653Z Class 47 Diesel Loco No. 47 706 ScotRail NSE branding, weathered.....	£159.99
31-653ZDC DCC Fitted.....	£179.99
31-653ZDS Class 47 Diesel Locomotive No. 47 701 "Old Oak Common".....	£159.99
32-066Z Class 43 Warship Diesel Loco. D845 "Sprightly" BR Green.....	£164.95
32-066ZDC Class 43 Warship Diesel Loco. D845 "Sprightly" BR Green, DCC Fitted.....	£184.95
32-135X Class 4575 Prairie Tank Stream Loco 5541 BR Green L/C, weathered.....	£119.99
32-384Z Class 37 Diesel Loco No. 37 672 "Freight Transport Association".....	£139.99
32-384ZDC DCC Fitted.....	£164.99
32-384ZDS Class 37 Diesel Loco No. 404 BR Blue & Grey.....	£249.99
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
32-645Z Class 438 4-TC Unit No. 8007 BR Research Department.....	£269.95
32-727Z Class 66 Diesel Loco No. 66 709 "Sorrento" GBRI.....	£169.95
32-727WDC DCC Fitted.....	£189.95
32-727WDS Class 66 Diesel Loco No. 66 709 "Sorrento" GBRI, DCC Sound Fitted.....	£249.95
32-762Z Class 57 Diesel Loco No. 57 305 Network Rail known as "Sand Castle".....	£169.95
32-762ZDC DCC Fitted.....	£189.95
32-762ZDS Class 57 Diesel Loco No. 57 305 Network Rail known as "Sand Castle", DCC Sound Fitted.....	£249.95
32-777Z Class 37 Diesel Loco No. 37 304 "John Tiley" Network Rail, weathered.....	£159.99
32-777WDC DCC Fitted.....	£179.99
32-777WDS Class 37 Diesel Loco No. 37 304 "John Tiley" Network Rail, DCC Sound Fitted.....	£249.99
32-780U Class 37 Diesel Loco No. 37 261 DRS.....	£149.99
32-780UDC DCC Fitted.....	£169.99
32-976Z Class 66 Diesel Loco No. 66 418 Debranded DRS Freightliner, weathered.....	£174.95
32-976ZDC DCC Fitted.....	£194.95
32-976ZDS Class 66 Diesel Loco No. 66 418 Debranded DRS Freightliner, DCC Sound Fitted.....	£274.95

BACHMANN OO SCENECRAFT

PLEASE VISIT OUR WEBSITE TO SEE OUR CURRENT SCENECRAFT MODELS

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
K2101 0-4-1 Class 02 No. 24 "Calbourne" BR Black E/E.....	£124.99
K2102 0-4-1 Class 02 No. 16 "Ventnor" BR Black L/C.....	£124.99
K2103 0-4-1 Class 02 No. 30182 BR E/E & push-pull equipment.....	£124.99
K2104 0-4-1 Class 02 No. 30225 BR Black L/C.....	£124.99
K2105 0-4-1 Class 02 No. 225 Southern Black (1949).....	£124.99
K2106 0-4-1 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 Shribottle 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

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, wthrd.....	£49.99 EACH
SB002J/K/L PBA TIGER China Clay Wagons ECC International blue.....	£44.99 EACH
SB002M/N/O PBA TIGER China Clay Wagons ECC International blue, wthrd.....	£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



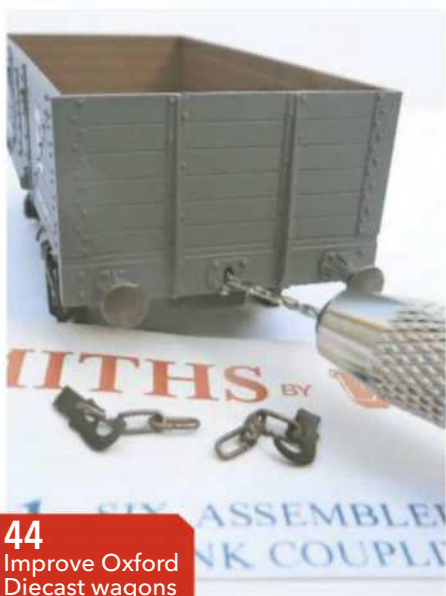
38
Transform a
Dapol cottage kit



42
Build an unusual
card restaurant

Workbench

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



44
Improve Oxford
Diecast wagons



48
Detail Dapol's
Class 121



50
Create a 1968
'Black Five'

Meet the *Model Rail* Expert modellers



George Dent

Learn from one of the country's best modellers.



Chris Leigh

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



Peter Marriott

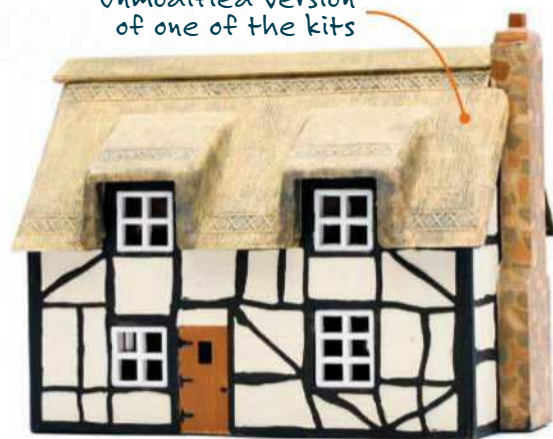
Scenic guru! Knows what's available and how to use it.



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



Unmodified version of one of the kits



HOW TO

THATCH A COTTAGE

Inspired by Pendon, **Chris Leigh** tries his hand at the art of thatching, with just a few shortcuts.

It's all Chris Nevard's fault. His recent upgrade of the Dapol windmill renewed my interest in those ex-Airfix building kits, which remain an inexpensive source of simple buildings for a layout. The range did not offer much by way of private housing, but if you modelled a rural village there was a pretty little timber-framed thatched cottage. Like all property, it has appreciated in value over the intervening years and the Dapol version will now set you back around £5.80.

Without doubt, the most disappointing part of this plastic kit is still the roof. However much I tried with the weathering and paint, I could not make the moulded roof look like thatch.

Around the time I first built the Airfix cottage, I made my first acquaintance with Pendon Museum and Royce England's breathtaking cottage models. I've followed Pendon's fortunes ever since, and long ago

00 GAUGE MODEL Dapol C020 Thatched Cottage • Price £5.78

AVAILABILITY Dapol stockists or www.dapol.co.uk

20 hrs



became quite captivated by the reproduction of West Berkshire and South Oxfordshire village properties that are represented by the village of Pendon Parva.

I have long wanted to have a go at producing something similar for my own layout. I had in mind a particular style of cottage, timber-framed but with brick-in-fills. This brick construction is more typical of Berkshire, it seems, and I became familiar with it when I lived in that county. So, if thatch is your interest, first check whether the area you are modelling features mainly timber and render, timber and brick, or plain local stone. I had Royce England's original 'Waggon & Horses' in my mind's eye. There was even, a few years ago, a Bachmann resin version of this famous model.

However, Pendon's beautiful buildings are

not created overnight. The best of them were years in the making, but I can't dedicate that sort of time. Could I get a passable result using a much-abbreviated version of Pendon's thatching method?

I bought Chris Pilton's book *Cottage Modelling for Pendon* a long time ago but I've never thatched a model. What follows is my first attempt at thatching. I've called my method 'Pendon Lite' to acknowledge the guidance from Chris Pilton's book, but I freely admit that I've taken shortcuts and 'interpreted' his methods.

I used two kits joined together as these ancient cottages were often tiny, and during the latter part of the 20th century it was quite common practice to 'knock two into one' in order to better match modern requirements.

STEP
BY
STEP

COTTAGE MODS



1

I decided to join two cottages together. Having selected the two front and two back walls which were to be joined, I trimmed off the chamfered edges to form a butt joint between the two.



2

I joined the halves with Plastic Magic liquid poly cement. Once set, I filled any gap on the outside with Deluxe Materials' Perfect Plastic Putty. Once it has dried it can be smoothed with an emery board.



3

Here's where I followed the supplied instruction diagram and fitted the windows from the outside. It's up to you, but next time I'd fit the window mouldings from the inside.



4

I was not happy about the thick glazing bars, so I set about reducing them with a variety of needle files. I fitted a card floor as a view-blocker between upper and lower windows.



5

Offcuts of Redutex 076LD821 English Bond Weathered and 076LV616 Herringbone terracotta were used and I added strips of $\frac{1}{32}$ in balsa. I left one or two plaster panels and used LifeColor's Weathered wood kit for the timber.



6

Builders seem to have avoided dormer windows on thatched properties wherever possible and my model has no fewer than eight! I began by cutting off the corners at 45° to improve the shape.



7

By gluing the cut-off pieces into the lower corners of the dormers I created a dormer shape that Chris Pilton calls a 'Wiltshire-pattern' dormer, which will be easier to thatch.



8

I used thin card for the main roof and for the separate roof sections over the dormers. Care is needed to get everything straight, but any small gaps will be covered by thatch.

Real thatch



Older thatch, on the left with a ridge formed with pegs and runners, adjoins a more modern thatch with a decorative ridge. On the right, the cottage has been re-roofed with concrete tiles.



Modern thatching differs from old-style thatching. Here, reed is being used and the decorative ridge and treatment of the dormer are both in a modern style.



A new ridge on slightly older thatch which shows a modern treatment of dormer windows.



Strictly no dormers on this stone cottage with brick chimneys and a modern-style ridge.

STEP BY STEP

THATCHING



1

My thatching tools include a cutting box with the thatch length (about 20mm) marked by a strip of tape, a hank of plumber's hemp and a pair of new sharp scissors used for cutting nothing but the hemp.



2

I found plenty of plumber's hemp on eBay and opted for a hank which cost £7.50. It is also available from the Pendon shop. A bunch of fibres about the thickness of a pencil was separated from the hank.



3

Small loose bits of hemp get everywhere, so I went outside to smooth it. Stroking the bunch from the middle, to left and right removes short fibres and tangled bits so all the fibres run in the same direction.



4

Using the box with the taped strip as a cutting guide, the next job was to produce lots of small bundles of hemp cut to length. Those sharp new scissors are essential and they must only be used for cutting hemp.



5

Neat PVA adhesive (a good brand, not the diluted craft stuff) is essential and a small amount is diluted 50/50 with water. The end 5mm of a bundle is dipped in the glue and the excess is wiped off.



6

I started by applying a small amount of Evo-Stik woodwork PVA to the card roof. The dipped bundle is then attached to the roof, the wetted end of the bundle against the glue patch on the roof, at the lowest corner.



7

Once in place the bundle is spread into a fan shape around the corner of the roof. Use a second bundle if you want to build up the depth. I then applied glue over the first dormer and continued adding bundles in the same way.



8

I worked my way along the roof, gluing and adding bundles until the first course was complete. What follows is a simple overlapping process but the thicker your original thatch, the easier later parts of the process will be.



9

Bundles for the second level of thatch were cut slightly longer, by fitting the lid back on the upturned box. This ensures that the thatch at the lower edge of the roof is good and thick.



10

Second, third and subsequent 'courses' of thatch have been applied, and from this point onwards the length of the bundles was reduced progressively towards the roof ridge.



11

Trimming is a vital process and can be started even before all the thatch is in place. The sharp scissors are essential and it is important to trim with them vertical against the thatch, not horizontal.



12

The roof ridge has been reached but there will be one more course of half-length bundles at the very top. The effects of the first trimming session can be seen.



13

As the end bundle of each course was placed it was teased out into a fan shape using an old screwdriver. This produces a neat, overlapped and rounded end to the roof.



14

When trimming with scissors I followed Chris Pilton's method of removing tiny amounts at a time. It's a slow process. I wondered if the beard trimmer on an electric razor would work, but it was not very effective.



15

Learning from my earlier mistakes, I began the back section of the roof. It is important to build up a good layer of thatch before trimming. You can always trim it off but there's no way to add thatch if you have made it too thin.



16

I determined to assemble a much thicker layer of thatch to the lower part of the roof this time in order to avoid the difficulties and divots that resulted when I trimmed my first effort.



17

I got bolder with the glue application as the job progressed but care is needed not to use so much that it soaks through to the outer layers of the thatch.



18

The final course of bundles takes the thatch right up to the ridge. If glued fibres protrude above the ridge, they will need to be trimmed before the glue sets hard.



19

I used a final course of bundles about half the length of the originals, and tried to limit the glue so that it did not come right through to the visible surface. I could see that the ridge was going to be a problem.



20

Little and often is the best method of trimming and this is the result after the fifth trimming session. Curved scissors help in accessing some parts of the roof.



21

Chris Pilton's method for the ridge avoids glue and uses thread and tiny home-made staples. I decided it was beyond my ability and wondered if I could use a paper strip and Woodland Scenics field grass as an alternative.



22

I cut a strip of paper 10mm wide and scored it down its centre line. I then laid the field grass across it and applied diluted PVA glue, leaving the whole lot to set solid for 24 hours, before trimming the fibres back to the proper edge.



23

To say that it set solid is an understatement, and to bend it along the centreline required a vice and quite a lot of pressure. I then glued it in place like traditional paper ridge tiles. Some fibres needed re-gluing.



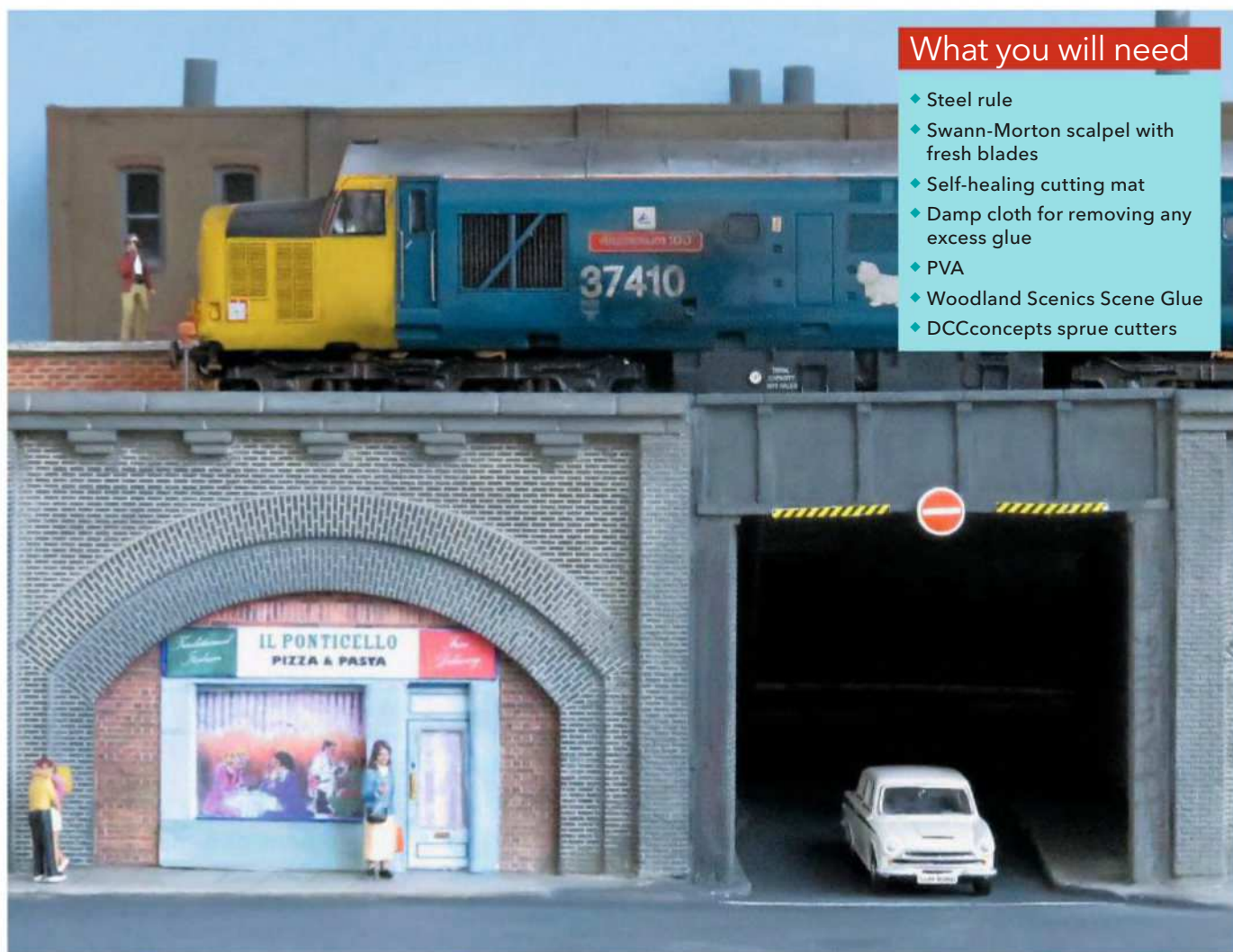
24

My very inexperienced thatching has produced a roof more suited to an old barn or a building in need of re-thatching, so I used a mix of black, white and Vandyke brown water colours to give it a more appropriate colour.

HOW TO

BUILD A CARD RESTAURANT

Peter Marriott continues his quest for urban realism by modelling a contemporary takeaway underneath a viaduct arch.



What you will need

- ◆ Steel rule
- ◆ Swann-Morton scalpel with fresh blades
- ◆ Self-healing cutting mat
- ◆ Damp cloth for removing any excess glue
- ◆ PVA
- ◆ Woodland Scenics Scene Glue
- ◆ DCCconcepts sprue cutters

Think of a small business set under an urban railway viaduct and you might imagine a dodgy car garage – the sort of place where the Mitchell bruvvers from *EastEnders* wouldn't look out of place. Hang around long enough and Regan and Carter will surely turn up to put the bite into a local villain.

Things are a little different today. You're unlikely to hear "We're the Sweeney, son, and we haven't had any dinner!" and more likely to find somewhere that serves food. And it probably won't be some greasy spoon affair

00 GAUGE MODEL Scenics Shops Under Arches kit R020 ♦ Price £2.99

AVAILABILITY
www.scalescenics.com

1 hr



but a trendy little place where the word 'organic' is used rather a lot.

My urban layout (MR246) features such a viaduct, with ten arches. Most were blanked off with brick walls, but to make it look more realistic – and to add a little visual interest – I decided to turn one into a restaurant.

The viaduct, as you may recall (MR246), was made from Langley arches against a mixture of Woodland Scenics hard foam

Risers and Celotex foam insulation, and the inserts were Scalescenics downloadable items. Scalescenics, however, produces a range of under-arch shops and restaurants to suit all decades, from the gritty Seventies to the trendy Noughties.

You'll need to keep a couple of fresh Swann-Morton blades handy. Nothing dulls a blade like cutting through card, and a sharp blade ensures a neat, clean cut.

STEP BY STEP



1 Langley's retaining walls are vacuum formed from hard plastic. Use a Swann-Morton knife and a pair of DCCconcepts sprue cutters to remove the plastic.



2 Use the sprue cutters to cut triangles into the remaining piece of plastic under the arch. Score the plastic and snap them away with your fingers.

TOP TIP

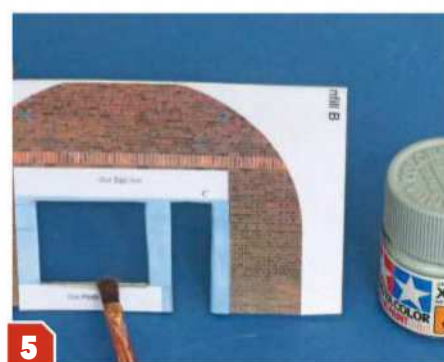
I take close-up photographs such as this to help with my modelling - in this case I could see more clearly where I needed to clean some of my cuts.



3 Trim away any excess plastic with a sharp blade. Be careful - when cutting always push the knife away from your fingers.



4 Use PVA to fix the parts to different thicknesses of card - thicker for the main backing piece and thinner for the door, window frames and shop front.



5 Change the blade before starting work on cutting out the window and door inserts. Use acrylic paint to conceal the 'white' cut card edge.



6 Kibri plastic kits come with these printed window scenes. Always keep hold of them - you never know when they'll come in useful, such as here!



7 Cut some clear acetate sheet to a size that's larger than the window aperture. You can buy suitable acetate from Hobbycraft stores.



8 This is where the retaining wall and shop will go. Cut the hard foam away to cater for the shop's 6mm thickness.



9 Use Woodland Scenics Foam Nails to hold the shop in place as the WS Scenic Glue sets.



10 The finishing touches include a couple of figures to help disguise the transition between 3D plastic and 2D card. Add a few weeds to mask the baseboard join.

Before



UPGRADE RTR WAGONS

David Spencer offers some ideas for customising Oxford Rail's six-plank opens.

Consider a pair of open merchandise wagons, built to exactly the same design in the same workshop, and at the same time. When new, only their running numbers would distinguish one from another. However, it will not be long before subtle differences emerge as each vehicle accumulates a unique blend of dust, dirt, scuffs, scrapes, and scratches from everyday use.

After a few more years of wear and tear, these differences will become more pronounced and routine bodywork repairs (such as replacement planking) will accentuate them. A couple of decades later, one wagon may be repainted in a new livery while the other is not, leading to stark visual differences that may conceal their common origins.

I decided to work on two of Oxford Rail's 4mm scale LNER-designed six-plank open wagons in order to create the contrasting appearances that were so typical of the mid/late 1950s, which is my chosen modelling era.

Oxford Rail's six-plank open is supplied in 1920s LNER grey with large lettering. In the early BR era, wagons in this livery could still

00 GAUGE MODEL Oxford Rail LNER six-plank open wagons ♦ Price £9.99 (rrp) | **AVAILABILITY** Oxford Rail stockists, www.oxfordrail.com | **3hrs** per wagon |

be seen in everyday use, but certainly not in the pristine condition portrayed by Oxford Rail! Work-weary examples were the norm, because BR stipulated that the wooden sides and ends of all unfitted opens were not to be painted during repairs or overhaul, regardless of how decrepit they looked.

MEND AND MAKE DO

BR simply patched up vehicles and sent them back into traffic as quickly and cheaply as possible; appearances were immaterial. Replacement planks (or timber repair patches) were regularly fitted but left exposed to the elements, with only the metal body parts (strapping, corner plates, stanchions etc) given a protective coat of grey paint. The early BR style of white numbering on black patches was stencilled over bare timber or scruffy old paintwork.

Oxford Rail's six-plank wagons also come in BR unfitted light grey with post-1948

numerals. This later livery would have been applied after 1956/7, when BR had a change of heart and allowed various unfitted opens to be fully repainted. This wagon is, therefore, ideal for the later 1950s, but needs toning down with some light weathering to take away the 'straight out of the box' look.

However, it's important to note that many vehicles never received the new livery and soldiered on into the early 1960s looking increasingly shabby. Contrasting 'old' and 'new' liveried wagons of exactly the same type could therefore be seen together at the same time and place.

During the BR steam era, the sides and ends of neglected wagons would be a hotchpotch of grey and brown tones - the faded old livery, perhaps some 'second-hand' planks from withdrawn wagons and unpainted replacement timber fitted at various times.



FACTFILE: LNER SIX-PLANK OPENS

Around 20,000 of these vehicles were built in the 1920s/30s and they could be seen in freight trains and goods yards across the country, both before and after nationalisation. Typically, they were used in revenue service up to the late 1950s and early 1960s before falling out of favour, mostly on account of their timber underframes,

short wheelbase (9 feet), and lack of vacuum brakes.

At this time, many were sent for scrap, while others were cascaded down to the civil engineer's department for carrying spent ballast or old sleepers. A few examples were sold to industry to become 'internal user' vehicles, barred from BR metals.

GET THE FIFTIES LOOK

Making the BR-liveried vehicle look 'right' for the late 1950s is a fairly straightforward task. Not enough time would have elapsed for the grey livery to deteriorate significantly, so a slightly workaday appearance with light (or moderate) weathering will suffice... not forgetting the interior!

Instead of a mild weathering job, I opted for a more challenging project to illustrate how damaged or rotten lower end planking was sometimes replaced by steel channels - a feature seen in plenty of period images, but rarely (if ever) modelled.

BR routinely fitted steel channels in place of the damaged lower ends of various fitted and unfitted wood-bodied wagons. Damage was commonly caused by poorly-secured heavy loads repeatedly sliding and jolting against the lower planking as a wagon lurched along in loose-coupled workings. Similar damage could also occur during rough shunting moves.

As well as cosmetic weathering, replacing areas of woodwork to mimic steel replacement sections adds even greater realism.



What you will need

SHOPPING LIST

- ◆ Modelmaster decals
- Tel: 01292 289 770
- Web: www.modelmaster.uk

TOOLS NEEDED

- ◆ Knife
- ◆ Tweezers
- ◆ Mini drill and bits
- ◆ Paintbrushes
- ◆ Abrasives
- ◆ Needle files
- ◆ Glass fibre pencil

STEP BY STEP

STAGE 1



1

Start by springing out the wheels in order to make the wagon easier to work on. The running number, carrying capacity and tare weight markings can then be removed from the body and solebar. My preferred method is to rub gently with a 2mm fibreglass pencil. This tool can also be used to tone down and 'age' the bright white 'NE' lettering. The length of the fibreglass core can be adjusted: the longer it is, the gentler the abrasive process will be, with less likelihood of unwanted scratches occurring. In contrast, a very short core is ideal for roughening and distressing the side and end planking.



2

It's also possible to make the woodwork appear more decrepit by scraping along the line of a few planks with a scalpel blade. Chipped and splintered wood can be reproduced by carefully slicing off small amounts of plastic. Decide which planks have been 'replaced' (but not painted) on your wagon, then clean them with the glass fibre pencil.

Exposure to the elements over two or three decades would have bleached the paintwork. The discoloured look can be reproduced by painting over the exterior with lighter grey colours with a touch of brown added. Work on small areas at a time and, if any paint gets onto the corner plates or strapping, remove it quickly.

Leave a few planks to be finished in the 'unpainted wood' colour that was so typical of unfitted wooden wagons in early BR days. Use combinations of matt enamels (I chose Humbrol Nos. 28, 34, 64, and 187) and adjust them, if necessary, with a brush moistened with thinners as they dry. Once you're satisfied with the colour tones, set aside for 24 hours, then dry-brush some planks with a beige shade, mixed with a touch of pale brown. I found that a stippling action gave a convincing texture.

Finally, with the 'NE' branded wagon, use the fibreglass pencil to remove just enough paint to reveal traces of the faded lettering and markings, 'ghosting' through the layers of grime.



3

An unkempt wagon is likely to have rust patches. To reproduce this, mix together a slightly thinned blend of brown, orange and red. I used Phoenix Precision matt enamel Frame Dirt (P960) and Rusty Rails (P977). To add a little texture and colour variation, I also stippled on tiny amounts of rust and dirt-coloured weathering powders and some Tamiya Gunmetal weathering pigment when the paint was still slightly tacky.

Sometimes rust would leach from under the strapping, corner plates, buffer housing etc and onto the adjacent timber, and I've used the dilute rust mix and powders to recreate this effect.



4

Paint the entire underframe with the same thinned rust/dirt mix described in the previous step. Just before it is fully dry, apply weathering pigments/powders to add lighter, darker, and metallic tones to the brake gear and axleguards. Finish the axleboxes in a greasy black tone.

Paint the spokes and rims of the wheels and axles in the same rust colour. However, be sure to remove any paint from the treads with thinners and a cotton bud before it dries, lest this contamination be spread onto your layout's tracks.



5

Oxford Rail, like most other RTR manufacturers, has finished its interiors in a bright caramel brown shade, rather than the straw or beige colour of fresh, unpainted timber (or a darker grey/brown weathered wood shade). For a much more realistic look, coat all of the floor, sides, and ends with a mix of black, brown and beige, varying the shade of the mix as you go.

Dirt deposits could be present almost anywhere, so apply powders and/or pigments to reproduce this. Here, using Tamiya weathering pigment packs, a variety of browns, greys and a little white have been dabbed onto a darker base layer of paint, when it was almost dry.



6

A tiny patch of gloss acrylic varnish, brushed onto the bottom corners of the sides, helps the waterslide transfers to adhere to the wagon. According to Peter Tatlow's book (see 'Essential references'), these vehicles were not numbered in strict sequence, so I'm assuming that the decals in the range E14/15/16XXXX (Modelmaster sheet 4621) will suffice.

It's worth noting that, by the time of nationalisation, the carrying capacity of some six-plank wagons had been increased to 13 tons. Micro Sol helps the decals mould to the shape of the planks and set firmly, while acrylic matt varnish will seal and protect them. A little dusty weathering powder will tone them down.

EXPERT TIP

TIMBER TONES

Games Workshop produces exotic-sounding Citadel paints such as 'Zandri dust' and 'Ushbati bone' - despite their names, both shades are ideal for relatively new bare timber and mixing in a little white can induce subtle and authentic variations. Appropriate tones can also be mixed from other manufacturers' products. Build up thin coats onto individual planks on the wagon sides and ends, taking care not to let the paint stray onto the strapping or corner plates.

STEP
BY
STEP

STAGE 2



7

Due to repeated damage from poorly secured loads, a number of timber-planked open wagons received replacement steel sections to the lower end panels in BR days. This preserved Southern wagon is a typical example, seen at the Swanage Railway.



10

Mask off the underframe, interior, and (unless you plan to replace them) the running numbers/tare weights before spraying the body with a light grey shade. Tamiya's light grey aerosol-based primer is a close match to BR freight stock grey. The primer also draws attention to small areas that need more work: in this case, I realised that a little filling, sanding, and general tidying was required before continuing.



13

I fashioned a removable 20g load by filling hollow Gilbow and Knightwing crates with scraps of lead. The cargo was then painted to represent bare wood, weathered, then glued onto a narrow strip of black plastic card to make it easier to insert and remove.

Essential references

- ◆ *A Pictorial Record of LNER Wagons and LNER Wagons Volume 4A: LNER Standard Designs - Opens, Hoppers and Vans*, both by Peter Tatlow.
- ◆ See also Paul Bartlett's wagon photography website: www.paulbartlett.zenfolio.com



8

Drill a series of small holes in the bottom two planks, taking care not to stray onto the plank above, the narrow curb rail immediately below, the corner plates, or the vertical stanchions. Join the holes together with needle files to create three roughly rectangular shapes.

File and sand away the edges until three apertures are created with parallel edges and right-angled corners. Take your time: to look convincing, the work needs to be neat.



9

Cut a 30mm by 6mm piece of 10 thou plastic card and cement it directly behind the apertures. Cut nine flanges (three per rectangle) from 10 thou styrene strip, approximately 1.5mm wide, adjusting the lengths to ensure each is a tight fit into the hole. Use pointed tweezers to manipulate each into position. Friction should keep them in place while they're secured with plastic solvent.

Step 11: Coupling upgrade

If you intend to use three-link couplings instead of the long tension locks, remove the wheels before cutting away the dummy hook and drilling out a slot in the bufferbeam to accept the new drawhook.

The length of the drawhook shanks need to be reduced to around 2-3mm to ensure a snug fit between the inside of the headstock and the ballast weight under the floor. A little cyano glue secures the new coupling.

You could also remove the NEM pocket (with sharp pointed cutters and files) because it's rather obtrusive when the wagon is viewed from a low angle. Appropriately shaped thin black plastic card, fixed with Plastic Weld, will conceal the void left by the cutting process.



Step 12: Adding ballast



Oxford Rail's open wagons are considerably lighter than other RTR vehicles, weighing in at a modest 22g. Adding an appropriate load can provide some welcome ballast and can also help to disguise part (or all) of the bright interior. Therefore, if you produce a fully loaded wagon, you can omit Step 5.

Make sure your load is not too heavy, with some ready-to-use wagon loads (from Bachmann, Hornby, and Ten Commandments) providing up to 40g of extra mass.



HOW TO

DETAIL DAPOL'S CLASS 121

I bought the Dapol Class 121 railcar in 'OO' but was disappointed to find that the decal sheet doesn't include any stations that I want to use. How can I make a decent job of installing a home-made destination board?
Stan Wellmore,
by e-mail

How do you add your own destinations to an off-the-shelf model?

The decal sheet which comes with the model provides lots of choice, but many of the destinations are not appropriate for the Class 121.

What do you do if your preferred destination is not on the sheet, or indeed, if your layout features fictitious station names and you want to use one of those? The answer is to make your own decals but be warned, when you've done it successfully once, you'll find all sorts of excuses to make your own transfers. You will need to obtain some decal

paper and there are two types, clear or white. Check out Crafty Computer Paper online or put 'decal paper' into eBay's search box. Most home printers are of the inkjet variety, but there are also decal papers suitable for laser printers, so buy the right type for your printer. I keep a stock of both white and clear, but for this job, as computer printers don't print white ink, you will need white decal paper.

You'll need an aerosol varnish to seal the transfers and I've used Humbrol acrylic varnish successfully, although many transfer



SS 121

Chris Leigh has the answer.

paper manufacturers supply their own version. You can work in Microsoft Word, you don't need design skills, and once I've produced a sheet successfully I save it and simply over-type or add to it when I need something new. You may use up quite a bit of paper, but it saves a lot of time and effort recreating things like headcodes or destinations from scratch every time.

While I was tweaking the destinations for my Class 121, I thought I'd use the opportunity to carry out one or two other jobs at the same time.

STEP BY STEP



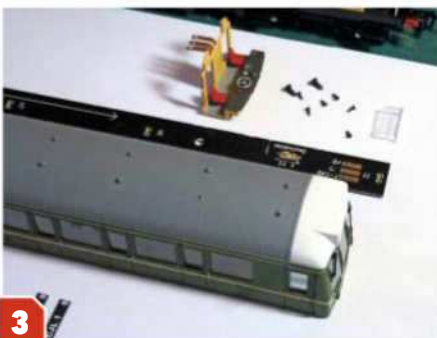
1

My decals had to go inside the glazing, so the body had to come off. Using four strips of cut-up credit cards, I inserted them between the body and the solebar. Push them in enough to release the clips and lift the body off.



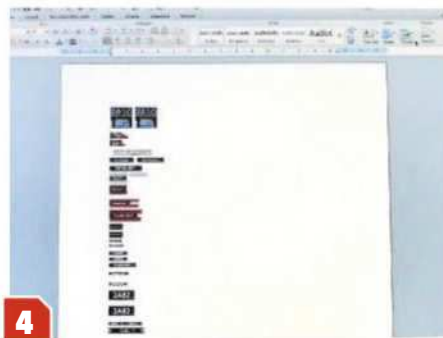
2

Access to the cabs is a little easier than on Dapol's Class 122. The sides of the bulkhead need easing out of their clips, but on this model you can't remove the lighting strip as it won't disengage from the headcode boxes.



3

The answer is to undo the three tiny cross-head screws adjacent to the bulkhead, which hold the phosphor-bronze contact strips in place. Once these screws are out, the cab interior can be extracted.



4

Here's my headcode document on the computer - mostly variations on Arial font. Destinations may need to be reduced to 4pt or even 3pt. The 2A50 headcode and destination are cropped photos of the real thing.



5

I printed the document onto white decal paper, having reversed the text to print white out of a black 'highlight'. The grey and dark red strips are my best stab at the brown wood strips which appear above and below a '121' destination.



6

Destination fitted - I eventually replaced it with a smaller version to make the 'T' visible. The 2A50 headcode is from a photograph of a real unit at Staines West. The code is wrong for the branch - an unusual occurrence.



7

While I had the cab interiors out, I took the opportunity to fit a driver, after removing the existing seat and trimming his 'base' to fit. I have drivers in both cabs so no tail lamps, but I think this is preferable to having no drivers.



8

It is worth a final check to ensure that the oval buffers have not moved out of position like this. They can shift quite badly during handling. If necessary, a spot of glue will hold them in position, as the springing is not really needed.

MASTERCLASS

Looking at locomotives in detail

Stanier's 'Black Fives'

Richard Foster and **George Dent** present a detailed look at the locomotives that brought down the curtain on BR steam.

What's not to like about Sir William Stanier's '5MT' mixed traffic 4-6-0? They could pretty much go anywhere, they were powerful, versatile, rugged, reliable and had a decent turn of speed. They're good-looking too, with a neat, balanced shape. They probably qualify as Britain's most perfect 20th century steam locomotive design.

Their story is rather well known: 842 were built, with both Vulcan Foundry and Armstrong Whitworth turning out large numbers to complement those built at the LMS' works at Crewe, Derby and Horwich. Vulcan Foundry got its act together quicker than Crewe and the first of its batch, No. 5020, entered traffic in 1934 while nominal class leader, No. 5000, followed from Crewe in 1935. Despite this, No. 5000 was the one chosen for official preservation.

The 'Black Fives' reached all corners of the LMS empire (except Northern Ireland!) and continued to be built until 1951. Stanier's successor, H.G. Ivatt, began to tinker with the design, and the result was 'Black Fives' fitted with Caprotti rotary valve gear, outside Stephenson's valve gear, and even electric lighting.

What's less well known about the 'Black Fives' is that the design was less than

perfect in some ways. The resulting redesigns created myriad variations between them, which makes the class an absolute minefield for modellers.

The frames were a major weakness. The plates were only one inch thick and cracked so easily that a spare set of frames was built. This allowed locomotives to return to traffic quickly, and a proper frame repair could be carried out in time for the next cracked locomotive to arrive for overhaul. At least four preserved 'Black Fives', Nos. 45025, 45110, 45212 and 45305, don't have the frames that they were built with; the frames of Severn Valley Railway's

No. 45110 have been swapped twice.

Boilers were equally problematic. Stanier came from the Great Western Railway, where low superheating was the norm. The boiler that he designed for the 'Black Five' was typically GWR: it had a tapered Belpaire firebox and tapered second ring with top feed. The safety valves, however, were mounted on the firebox instead, so rather than have them in a bonnet, as per a GWR boiler, there was a small, dome-like cover over the top feed.

It was a good boiler and it produced enough steam, but it did gobble coal. That was because of its Swindon-esque

“ They probably qualify as Britain's most perfect 20th-century steam locomotive design ”



two-row superheater. A three-row superheater, with 21 elements, was fitted to Nos. 5007-19, 5075-5224.

REVISED AND MODIFIED

A new boiler was introduced in 1936, based on experience gained from the three-cylinder 'Jubilee' 4-6-0s. The new boiler had the regulator in the dome, a 24-element three-row superheater and, more importantly, a larger grate with sloping throatplate. The biggest visual giveaway are the six washout plugs down the right-hand side of the firebox.

Another tweak came in 1938 with the introduction of a four-row superheater.

No. 44871 pilots classmate No. 44781 past Mallerstang, near Kirkby Stephen, with BR's 'Fifteen Guinea Special' on August 11 1968. Carnforth volunteer Jack Cherry applied the word 'Carnforth' to No. 44871's bufferbeam in the early hours of August 11. DEREK HUNTRISS



A fabulously atmospheric end-of-steam image: As August 3 1968 rolls over into August 4, the station lights at Preston illuminate all the details of a late-1930-built 'Black Five' - sloping throatplate boiler with 21-element superheater and welded tender. No. 45318 had already left Preston several hours earlier with BR's last revenue-earning steam-hauled passenger train leaving classmate No. 44806 to potter about on station pilot duties. It would be replaced here by No. 45212.
PAUL COOPER



Who would have believed that No. 45407 would still be in regular main line use half a century after BR declared it redundant? Now owned by Ian Riley and running as No. 45157 *The Glasgow Highlander*, No. 45407 is one of a pool of 'Black Fives' based at Fort William to work West Coast Railway Company's 'Jacobite' specials to Mallaig. JOHN HUNT

The first to be fitted was No. 5452. You can tell a four-row superheater 'Black Five' because the steam atomiser cock on the left-hand side of the smokebox was fitted below the handrails and the steam lance cock on the right-hand side was moved to a higher position.

The final twist in the 'Black Five' story came with the appointment of H.G. Ivatt as LMS Chief Mechanical Engineer in 1946. Boilers built from March 1947 had his modified top feed arrangement, which changed the external appearance as the top feed now sat much further forward. ➤



A stunning portrait of No. 45156 *Ayrshire Yeomanry* under the shed lights at Patricroft on a June evening in 1968. The five washout plugs and lack of dome reveal that it still carries a straight throatplate boiler, albeit one with a three-row 24-element superheater. No. 45156 would survive to work a railtour on August 4 but would not be saved for preservation.
JIM CARTER/RAIL ONLINE



We now come on to the tricky subject of tenders. The first batches were delivered with riveted tenders, while welded tenders were introduced with No. 5125 onwards. The welds had a habit of leaking, so a part-welded tender was introduced with No. 4912. There are two ways to tell a part-welded tender from one that's fully riveted: there are two cross-section vents welded to the bulkhead rather than the 'mushroom' vents. Riveted tenders also have a line of rivets along the flanks that extends around to the end.

Ivatt's numerous innovations, such as different valve gears, are beyond the scope of this feature, but one change was the inclusion of roller bearings in some batches. To cope with the increased size, the coupled wheelbase was extended by four inches to

27ft 6in. The smokebox saddle was extended to cope and all locomotives built from No. 4758 onwards had this increased dimension, regardless of whether they had roller bearings or not.

Fifty years ago this summer, BR withdrew its last steam locomotives. The ruggedness and versatility of the 'Black Five' ensured that more of them survived into 1968 than any other. What were once humble, mixed traffic locomotives, anonymous and unnamed, soon took on the celebrity status once belonging to the 'Duchesses' and 'Jubilees'.

'Black Fives' hauled BR's last timetabled passenger trains and the last enthusiast railtours. And guess which three of the four locomotives used on the final train, August 11's 'Fifteen Guinea Special', were?

To commemorate the 50th anniversary of the end of BR steam, we've gone through the 'Black Fives' that were in action at the very end to give you an at-a-glance guide to identifying the key variations. These were the locomotives recorded as being in action or in steam on August 3, 4 and 11.

Therefore, many of Ivatt's tweaks are not included here. If you want to find out more, Volumes 1 and 2 of the RCTS' *A Detailed History of the Stanier Class Five 4-6-0s* are heartily recommended. 

● Data gathered from *Steam Railway*, *Steam World* and www.sixbellsjunction.co.uk. Thanks go to Richard Strange for allocation and disposal information and to John Hunt for the photography.

1968 'Black Fives' in detail

44709

Builder: Horwich

To traffic: October 7 1948

First shed: Crewe North

Last shed: Carnforth LNW

1968 CONDITION

Boiler/firebox: Sloping throatplate, 28-element superheater

Top feed: Forward

Tender: Welded

Coupled wheelbase: 27ft 6in

Last duties: No. 44709 was rostered for the 7am Carnforth-Kendal goods on August 3, returning with the 12.00pm Kendal-Carnforth. Once back at its base, it shunted a brake van before it was withdrawn.

Withdrawn: August 3 1968

Fate: Sold to Drapers of Hull and scrapped during November 1968.



44735

Builder: Crewe

To traffic: February 28 1949

First shed: Newton Heath

Last shed: Carnforth LNW

1968 CONDITION

Boiler/firebox: Sloping throatplate, 28-element superheater

Top feed: Forward

Tender: Part-welded

Coupled wheelbase: 27ft 6in

Last duties: No. 44735 was in charge of the 7.25am Saturdays only Carnforth to Heysham goods. It worked back to Carnforth with 12.15pm return working.

Withdrawn: August 3 1968

Fate: Sold to Drapers of Hull on September 9 1968 and scrapped in November.

44781

Builder: Crewe

To traffic: August 4 1947

First shed: Newton Heath

Last shed: Carnforth LNW

1968 CONDITION

Boiler/firebox: Sloping throatplate, 28-element superheater

Top feed: Forward

Tender: Part-welded

Coupled wheelbase: 27ft 2in

Last duties: No. 44781 worked the first leg of the LCGB's 'Farewell to Steam Rail Tour' from Manchester Victoria to Carnforth in partnership with No. 70013 *Oliver Cromwell* on August 4. It had an even more significant duty a week later when it hauled the Carlisle-Manchester leg of '1T57', BR's last standard gauge steam train, with No. 44871. After its day was done, it ran to Lostock Hall with Nos. 45110 and 44871, before returning home to Carnforth with No. 44871.

Withdrawn: August 11 1968

Fate: Sold to Columbia Productions on August 20 1968. Towed to Bartlow, near Saffron Walden, for the filming of *The Virgin Soldiers*. Scrapped by King's of Norwich after filming.

44806

Builder: Derby

To traffic: July 15 1944

First shed: Leicester MR

Last shed: Lostock Hall

1968 CONDITION

Boiler/firebox: Sloping throatplate, 24-element superheater

Top feed: Central

Tender: Welded

Coupled wheelbase: 27ft 2in

Last duties: No. 44806 was recorded at Galgate, south of Lancaster, working an Up freight on August 3 before it took up station pilot duties at Preston, which kept it busy until the early hours of August 4.

Withdrawn: August 3 1968

Fate: Awaiting overhaul at the North Yorkshire Moors Railway.

44871

Builder: Crewe

To traffic: March 10 1945

First shed: Longsight

Last shed: Carnforth LNW

1968 CONDITION

Boiler/firebox: Sloping throatplate, 24-element superheater

Top feed: Central

Tender: Welded

Coupled wheelbase: 27ft 2in

Last duties: No. 44871 was in action on August 4, working the Stephenson Locomotive Society (Midland Area)'s 'Farewell to Steam No. 1' from Manchester Victoria to Stockport via Huddersfield, Blackburn and Bootle. It was bought by Dr Peter Beet and John Parkin during the week in the run-up to '1T57' on August 11. It worked the Carlisle-Manchester leg with No. 44781 and, after an impromptu visit to Lostock Hall, returned to Carnforth later that evening. Its fire was not dropped until 9pm on August 12, Dr Beet noting in *Steam Railway* No. 100 that "we finished what George Stephenson had started a hundred and something years before".

No. 44709 carries messages of goodwill as it tops the summit out of Windermere, with the last steam-hauled goods from Kendal on August 3. It carries a boiler with Ivatt's modified top feed - which is much closer to the chimney. IAN KRAUSE

Withdrawn: August 11 1968

Fate: Owned by Ian Riley, main line-certified.

44874

Builder: Crewe

To traffic: May 7 1945

First shed: Crewe North

Last shed: Carnforth LNW

1968 CONDITION

Boiler/firebox: Sloping throatplate, 24-element superheater

Top feed: Central

Tender: Welded

Coupled wheelbase: 27ft 2in

Last duties: No. 44874 was paired with No. 45017 for its final run on August 4, hauling the SLS' (Midland Area) 'Farewell to Steam No. 2' from Manchester Victoria to Stockport via Huddersfield, Blackburn and Bootle.

Withdrawn: August 4 1968

Fate: Sold to Drapers of Hull and scrapped in the spring of 1969.

44894

Builder: Crewe

To traffic: September 10 1945

First shed: Newton Heath

Last shed: Carnforth LNW

1968 CONDITION

Boiler/firebox: Sloping throatplate, 28-element superheater

Top feed: Central

Tender: Riveted

Coupled wheelbase: 27ft 2in

Last duties: No. 44894 spent August 4 running with soon-to-be-preserved No. 44871 on the SLS' (Midland Area) 'Farewell to Steam No. 1'. No. 44894 led the '1T57' celebrity from Manchester Victoria to Stockport on the circuitous route via Copy Pit and Merseyside.

1968 'Black Fives' in detail

Withdrawn: August 4 1968

Fate: Sold to Drapers of Hull and cut up in May 1969.

45017

Builder: Crewe

To traffic: May 16 1935

First shed: Inverness

Last shed: Carnforth LNW

1968 CONDITION

Boiler/firebox: Vertical throatplate, 21-element superheater

Top feed: Domeless

Tender: Welded

Coupled wheelbase: 27ft 2in

Last duties: The final member of the quartet of 'Black Fives' used on two Stephenson Locomotive Society (Midland Area) railtours on the 4th. It was coupled behind No. 44874 for the run across the Pennines to Huddersfield and back via Merseyside.

Withdrawn: August 4 1968

Fate: Sold to Drapers of Hull and scrapped in May 1969.

45025

Builder: Vulcan Foundry

To traffic: August 2 1934

First shed: Perth LM

Last shed: Carnforth LNW

1968 CONDITION

Boiler/firebox: Vertical throatplate, 21-element superheater

Top feed: Domeless

Tender: Riveted

Coupled wheelbase: 27ft 2in

Last duties: No. 5025 was BR's oldest standard gauge locomotive, and retained a riveted tender and domeless boiler.

It had hauled the last Up 'Belfast Boat Express' on May 5 and was in action on August 4, with the Carnforth-Settle-Lostock Hall leg of the LCGB's 'Farewell to Steam Rail Tour'.

Withdrawn: August 4 1968

Fate: Under heavy overhaul at the Strathspey Railway.

45110

Builder: Crewe

To traffic: May 29 1935

First shed: Crewe North

Last shed: Lostock Hall

1968 CONDITION

Boiler/firebox: Vertical throatplate, 21-element superheater

Top feed: Domeless

Tender: Welded

Coupled wheelbase: 27ft 2in

Last duties: Lostock Hall's No. 45110 had been out on August 1 with an evening parcels train. Was this supposed to have been its last duty? It was considered to be 10D's best 'Black Five' and was rostered by shedmaster Harold Sedgebeer for '1T57' on August when No. 45305 was declared a failure. It hauled the opening and closing legs of the trip, from Liverpool Lime Street to Manchester Victoria and vice versa. This secured its survival, as a TV appearance piqued the curiosity of ex-RAF pilot David Porter who, subsequently, purchased it.

Withdrawn: August 11 1968

Fate: On static display at Engine House, Severn Valley Railway.

45134

Builder: Armstrong Whitworth

To traffic: May 22 1935

First shed: Crewe North

Last shed: Carnforth LNW

1968 CONDITION

Boiler/firebox: Vertical throatplate, 21-element superheater

Top feed: Domeless

Tender: Welded

Coupled wheelbase: 27ft 2in

Last duties: There was nothing very glamorous for No. 45134 on August 3; it was recorded shunting around Carnforth. Did it haul a train that day?

Withdrawn: August 3 1968

Fate: Broken up at Cohen's of Kettering in early 1969.

45156 Ayrshire Yeomanry

Builder: Armstrong Whitworth

To traffic: July 16 1935

First shed: Crewe North

Last shed: Rose Grove

1968 CONDITION

Boiler/firebox: Vertical throatplate, 21-element superheater

Top feed: Domeless

Tender: Welded

Coupled wheelbase: 27ft 2in

Last duties: No. 45156 had been in action on August 2, when it hauled the last steam shunt to Clitheroe, but was rested on August 3 in order for it to work a relatively sedate railtour on the 4th. This was the GC Enterprises 'Farewell to Steam' tour from Stockport to Carnforth and back via Bolton and Hellifield.

Withdrawn: August 8 1968

Fate: Scrapped by T.W. Ward of Beighton.

45212

Builder: Armstrong Whitworth

To traffic: November 12 1935

First shed: Low Moor

Last shed: Lostock Hall

1968 CONDITION

Boiler/firebox: Vertical throatplate, rebuilt 14-element superheater

Top feed: Central

Tender: Welded

Coupled wheelbase: 27ft 2in

Last duties: This 'Black Five' holds a significant place in railway history. It hauled BR's penultimate passenger service on August 3, the 8.50pm Preston-Blackpool South. Upon its return to Preston, it waited for the 11.45pm sleeper from Euston and shunted the coaches. Those who awoke in Preston had become the last ordinary fare-paying passengers to be steam-hauled by a standard gauge BR locomotive. But No. 45212's work wasn't over. It returned to Lostock Hall for servicing and, by the middle of the afternoon on the 4th, was back at Preston, acting as station pilot. It had been withdrawn by the end of the day.

Withdrawn: August 3 1968

Fate: Owned by Keighley & Worth Valley Railway but operated on the main line by Ian Riley.



A fine portrait of No. 44871 as it stands in the sun at Fort William, ready for yet another journey along the West Highland Extension to Mallaig. The 'Jacobite' season starts in March and runs almost all the way through to Christmas, with two trains a day during the summer months. Fort William is must-visit location for any 'Black Five' fan! JOHN HUNT

45231

Builder: Armstrong Whitworth

To traffic: August 11 1936

First shed: Upperby

Last shed: Carnforth LNW

1968 CONDITION

Boiler/firebox: Sloping throatplate, 28-element superheater

Top feed: Central

Tender: Welded

Coupled wheelbase: 27ft 2in

Last duties: This 'Black Five' worked the 7.10am Carnforth-Lancaster goods (as it had on the previous two days) before returning to its Carnforth base light engine. Whether it did any more work that day has gone unrecorded.

Withdrawn: August 3 1968

Fate: Owned by Locomotive Services Ltd, main line-certified.

45305

Builder: Armstrong Whitworth

To traffic: January 15 1937

First shed: Carnforth LNW

Last shed: Lostock Hall

1968 CONDITION

Boiler/firebox: Sloping throatplate, 24-element superheater

Top feed: Central

Tender: Welded

Coupled wheelbase: 27ft 2in

Last duties: BR organised just one railtour on August 4 and chose No. 45305 to work it. 'Last Days of Steam' took the form of a circular tour from Manchester Victoria through Merseyside to Southport, Burscough and back via Wigan. It was rostered to work '1T57' on August 11 and was even included on the promotional material - but it failed and was replaced by No. 45110.

Withdrawn: August 4 1968

Fate: Sold to Drapers of Hull but not scrapped. Under overhaul at Great Central Railway.

45318

Builder: Armstrong Whitworth

To traffic: February 16 1937

First shed: Bangor

Last shed: Lostock Hall

1968 CONDITION

Boiler/firebox: Sloping throatplate, 28-element superheater

Top feed: Central

Tender: Welded

Coupled wheelbase: 27ft 2in

Last duties: '1T57' was BR's last official standard gauge steam-hauled passenger train, but the last ordinary fare-paying passenger train was the 9.25pm Preston-Liverpool Exchange on August 3. The job had been a regular English Electric Type 4 duty. But, on August 3, there were, conveniently, none available and No. 45318, which had already been in action that day on the 10.15am Preston



NU-Farington trip working, was rostered. Driver Ernie Heyes and Fireman Tony Smith put on a good show; the train managed to reach 78mph in an attempt to reach 80mph but developed a hot box.

Withdrawn: August 4 1968

Fate: Scrapped by Drapers in April 1969.

45342

Builder: Armstrong Whitworth

To traffic: April 5 1937

First shed: Shrewsbury

Last shed: Carnforth LNW

1968 CONDITION

Boiler/firebox: Sloping throatplate, 24-element superheater

Top feed: Central

Tender: Welded

Coupled wheelbase: 27ft 2in

Last duties: No. 45342 worked the 6.25am Carnforth-Barrow goods on August 3 and should have returned with the 9.30am Barrow-Carnforth. However, the return working was cancelled and No. 45342 returned light engine.

Withdrawn: August 3 1968

Fate: Sold to Drapers of Hull and cut up in November 1968.

45388

Builder: Armstrong Whitworth

To traffic: July 28 1937

First shed: Aston

Last shed: Lostock Hall

1968 CONDITION

Boiler/firebox: Sloping throatplate, 28-element superheater

Top feed: Central

Tender: Welded

Coupled wheelbase: 27ft 2in

Last duties: Recorded in steam on shed at Lostock Hall on August 3 but it's unclear whether No. 45388 hauled a train that day.

Withdrawn: August 4 1968

Fate: Sold to Drapers of Hull and scrapped in May 1969.

No. 44984's fireman takes a breather at Preston on August 3 1968. The 1945 'Black Five' had lost the welded tender it had been built with and had gained riveted No. 9200 in 1960. You can tell a riveted tender from a part-welded version by the vertical rivets around the corners and the row of horizontal rivets along the sides that extend round to the ends. CHARLES HIBBERT

45390

Builder: Armstrong Whitworth

To traffic: August 2 1937

First shed: Bletchley

Last shed: Carnforth LNW

1968 CONDITION

Boiler/firebox: Sloping throatplate, 24-element superheater

Top feed: Central

Tender: Welded

Coupled wheelbase: 27ft 2in

Last duties: Not used on August 3, it worked the LCGB's 'Farewell to Steam Rail Tour' on August 4 from Carnforth to Lostock Hall Junction via Settle and Blackburn, with No. 45025.

Withdrawn: August 4 1968

Fate: Sold to Drapers of Hull and scrapped in November 1968.

45407

Builder: Armstrong Whitworth

To traffic: September 3 1937

First shed: Shrewsbury

Last shed: Lostock Hall

1968 CONDITION

Boiler/firebox: N/A

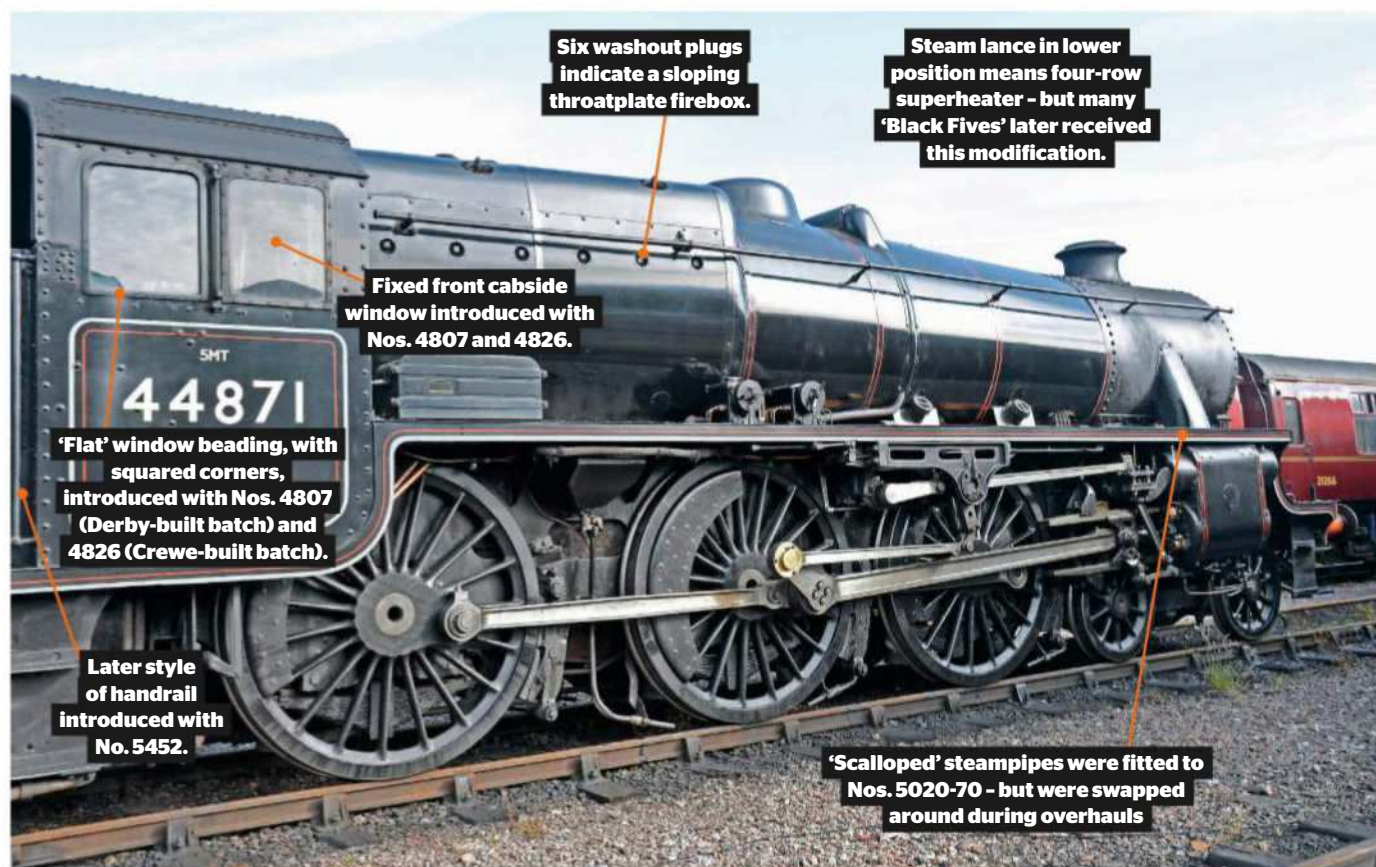
Top feed: Central **Tender:** Welded

Coupled wheelbase: 27ft 2in

Last duties: Worked the 8.15am Rose Grove-Colne parcels on August 3; in action again on the 4th for the RCTS' 'End of Steam Commemorative Rail Tour'. Replaced '8F' No. 48476 at Blackburn and ran with Standard '5MT' No. 73069 to Lostock Hall via Hellifield and Skipton.

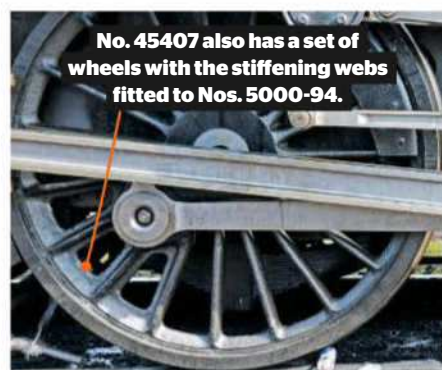
Withdrawn: August 4 1968

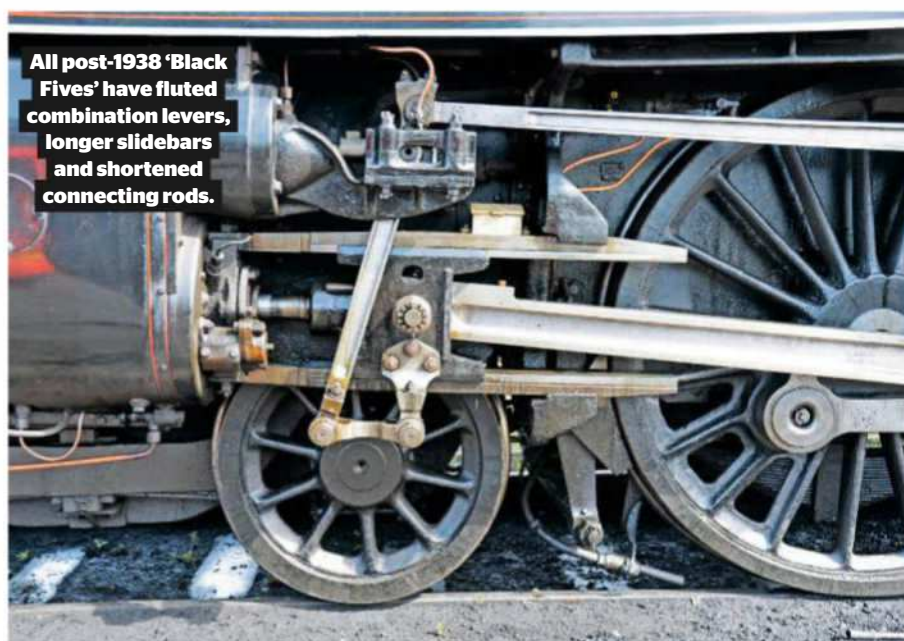
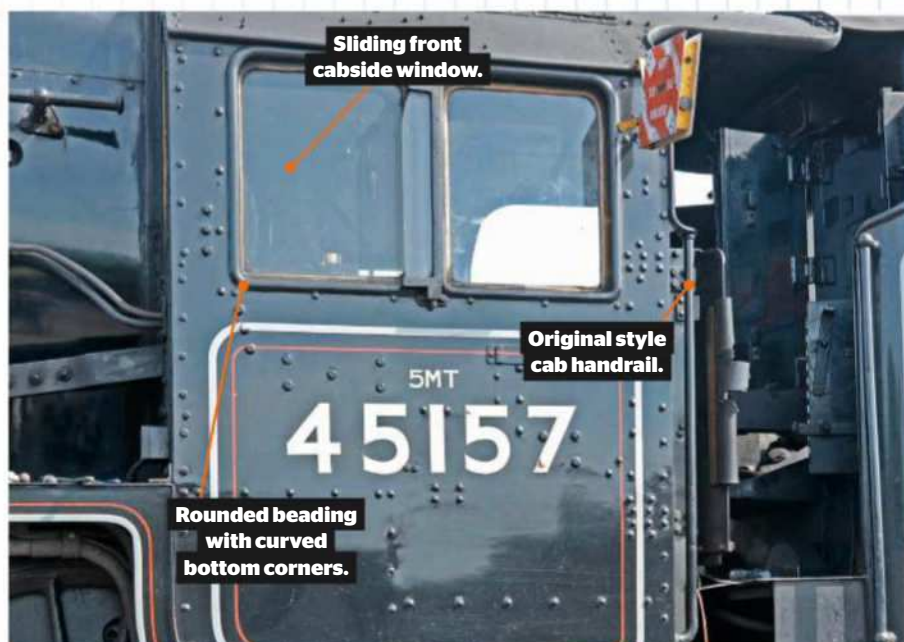
Fate: Owned by Ian Riley, main line-certified.



'Black Fives' in detail

West Coast Railway Company driver John Hunt has taken these exclusive photographs of 'Black Fives' Nos. 44871 and 45407 (running as No. 45157) at Fort William depot. PHOTOGRAPHY: JOHN HUNT





Stanier tender walkaround



Profile of welded 4,000gal tender.



No. 45407 was allocated tender No. 9643 when new in 1937 - and it still has it to this day.



Welded tenders have these extended 'mush-room' vents. Part-welded tenders have squarer vents closer to the coal space.



The first 50 'Black Fives' had tenders with plain axlebox covers. This cross pattern became the standard, except for machines fitted with roller bearings.



The coal space, complete with weather protection.

HOW TO

UPGRADE A 'BLACK FIVE'

George Dent combines a number of off-the-shelf detailing parts with an element of scratchbuilding to improve a Hornby model.

00
GAUGE

MODEL Hornby LMS/BR Class 5MT
4-6-0 ♦ Price rrp £110.99

AVAILABILITY Hornby stockists
www.hornby.com

20
hrs



It was a shock to realise that it's been a good ten years since I last tinkered with a Hornby 'Black Five'. Indeed, the model has been around since 2002 and, while still an attractive proposition, it does perhaps show its age in a few areas.

A comprehensive detailing kit, aimed squarely at Hornby's model, is available from Brassmasters (www.brassmasters.co.uk). I've used this kit before – to great effect – but, with this model, I had an urge to try scratchbuilding a number of detail fittings. Furthermore, Comet Models offers plenty of suitable etched and cast metal parts, such as buffers and an

improved chimney and tender axleboxes.

It's important to note that some of the details that I've added, namely the footsteps, cylinder covers and drain pipes, will impede the lateral movement of the front bogie on curves (hence why Hornby omitted them!). However, my model will only have to cope with very shallow curves, so it's not an issue.

My mix of ready-made and improvised details has provided an interesting challenge, although I doubt whether any real cost saving has been achieved. Apart from the steps on the rear of the tender (which are a little over-scale), I'm more than happy with the outcome.



Factfile: No. 45447

Builder: Armstrong Whitworth

To traffic: February 14 1937

Allocations: Crewe North, Saltley (loan), Saltley, Trafford Park (loan), Saltley, Holbeck, Grimesthorpe, Kentish Town, Saltley, Holyhead, Shrewsbury, Kingmoor (loan), Kingmoor, Rose Grove

Withdrawn: August 2 1968

'Black Five' No. 45447 pilots classmate No. 45110 away from Skipton North Junction with the Skipton-Accrington leg of the William Deacon's Bank Club railtour on March 17 1968. RAIL ONLINE



What you will need

SHOPPING LIST

- ◆ Comet LS21 LMS injectors, LS32 LMS 16in round buffers, LS33 LMS locomotive and tender steps, LS38 LMS gravity oil boxes, LS40 LMS mechanical lubricators, LS41 LMS Class 5 chimney, LS64 Speedometer, LS67 Stanier horizontal whistle, LS71 Smokebox door handle, TS2 tender axleboxes & springs
Wizard Models Tel: 01652 635885
Web: www.wizardmodels.ltd
- ◆ G4839ST 3ft 3½in ten-spoke wheels (x2), Back-to-back gauge ('OO')
Alan Gibson Tel: 0161 678 1607
Web: www.alangibsonworkshop.com
- ◆ FRH4020 OHL warning flashes, FRH4099/032 smokebox numberplates, FRH4008/44A cab numbers, FRH4003 BR later style crests
Fox Transfers Tel: 0116 319 4950
Web: www.fox-transfers.co.uk
- ◆ Archer waterslide rivet heads
DCC Supplies Tel: 01905 621999
Web: www.dccsupplies.co.uk

TOOLS NEEDED

- ◆ Knife
- ◆ Tweezers
- ◆ Pliers
- ◆ Abrasives
- ◆ Mini drill and bits
- ◆ Mini screwdrivers
- ◆ Soldering iron and equipment (optional)

STEP BY STEP



1 The pre-owned donor model had a few cosmetic flaws but runs well. Rub T-Cut over the printed characters with cotton swabs to remove the unwanted numbers and logos. Buff the surface dry with swabs to produce a glossy sheen.



2 The moulded tender axleboxes and spring assemblies were cut away gradually with a sharp knife before the frames were scraped flat with a fresh Stanley knife blade. This job takes time and care - watch your fingers!



3 Comet's cast metal axleboxes were fixed into position before retaining brackets were cut from 1mm, 10thou' brass strip and fixed below each unit. Bolt heads were formed with a Nutter tool, fixed with clear acrylic varnish.



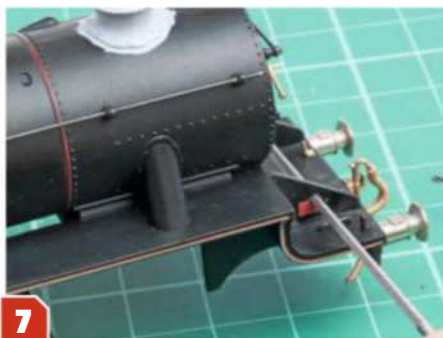
4 The erroneous rivet detail was flattened on the rear of the tender before thin brass strip was formed into lamp brackets, filing them to a suitable profile. New footsteps and lifting lugs were cut from thin plastic strip.



5 The chimney was removed with pliers before the smokebox door handle and buffer shanks were gently cut away. A fresh scalpel blade removed the bulk of the material, before fine abrasive sticks rendered the surface smooth.



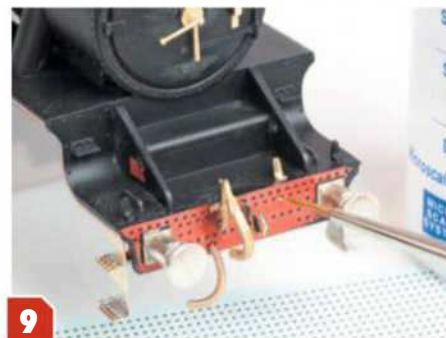
6 The new Comet whitmetal chimney was cleaned up of casting marks and installed with epoxy adhesive, to allow for careful positioning. Any excess glue was removed with a swab soaked in warm water.



7 The front lifting eyes were marked and drilled into the front frames, the final diameter being achieved with a miniature reamer tool. This produces a much cleaner finish than a drill bit alone.



8 The front end could then be adorned with new buffers, drawhook, steam and brake pipes, plus a lovely turned brass smokebox door handle. The two re-sited central lamp brackets were formed from brass strip.



9 The missing rivet detail on the bufferbeam was installed using Archer's waterslide acrylic fasteners. These come in a variety of spacings, so strips could be installed rather than adding them individually.



10 Comet's whitmetal mechanical lubricators can be drilled to accept thin copper wire to represent the oil pipes. Copper wire is available in various thicknesses from craft stores, usually for jewellery making. Fix with cyano glue.



11 Fix the lubricators into drilled holes, aligning them carefully and arranging the wire 'pipes' carefully before trimming to length. The wire can be secured with tiny drops of cyano glue, applied with a cocktail stick.



12 A set of front footsteps was folded up and soldered from the Comet etched brass set. Glue could be used instead, but solder offers a much stronger bond. Scraps of fret were used to fabricate strengthening brackets for the rear.



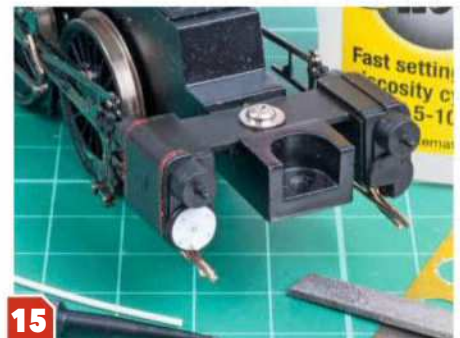
13

Comet's injector and ejector units are rendered as lost-wax castings. Shape the piping and drill mounting holes in the cab floor. I added an extra copper wire to the injector, drilling out the casting to accept it. Fix with cyano glue.



14

A set of cylinder drain pipes was formed from 0.7mm soft copper wire, shaped with round-nose pliers and soldered together. Mounting holes were drilled into the base of the cylinders.



15

Cylinder covers were cut from 10thou' plastic sheet, scribed initially via a circle template, before cutting and filing to shape. The relief valves were cut from plastic rod and the Nutter tool used for the small raised fastener heads.



16

The bogie was fitted with superior Gibson wheels and axles, after cutting a few millimetres off the front end, in line with the end of the guard irons. Push one wheel onto the axle at a time, using a back-to-back gauge to check for concentricity.



17

The Gibson wheels (left) offer a huge improvement in realism over the original Hornby wheels. Be sure to clean up all traces of swarf after trimming the end of the metal bogie before re-wheeling. Add a little oil to the axles.



18

After adding the new decals to the shiny surfaces left by the T-Cut, the delicate speedometer can be installed. A crank, fashioned from brass strip, was fixed to the crankpin bolt with cyano glue.



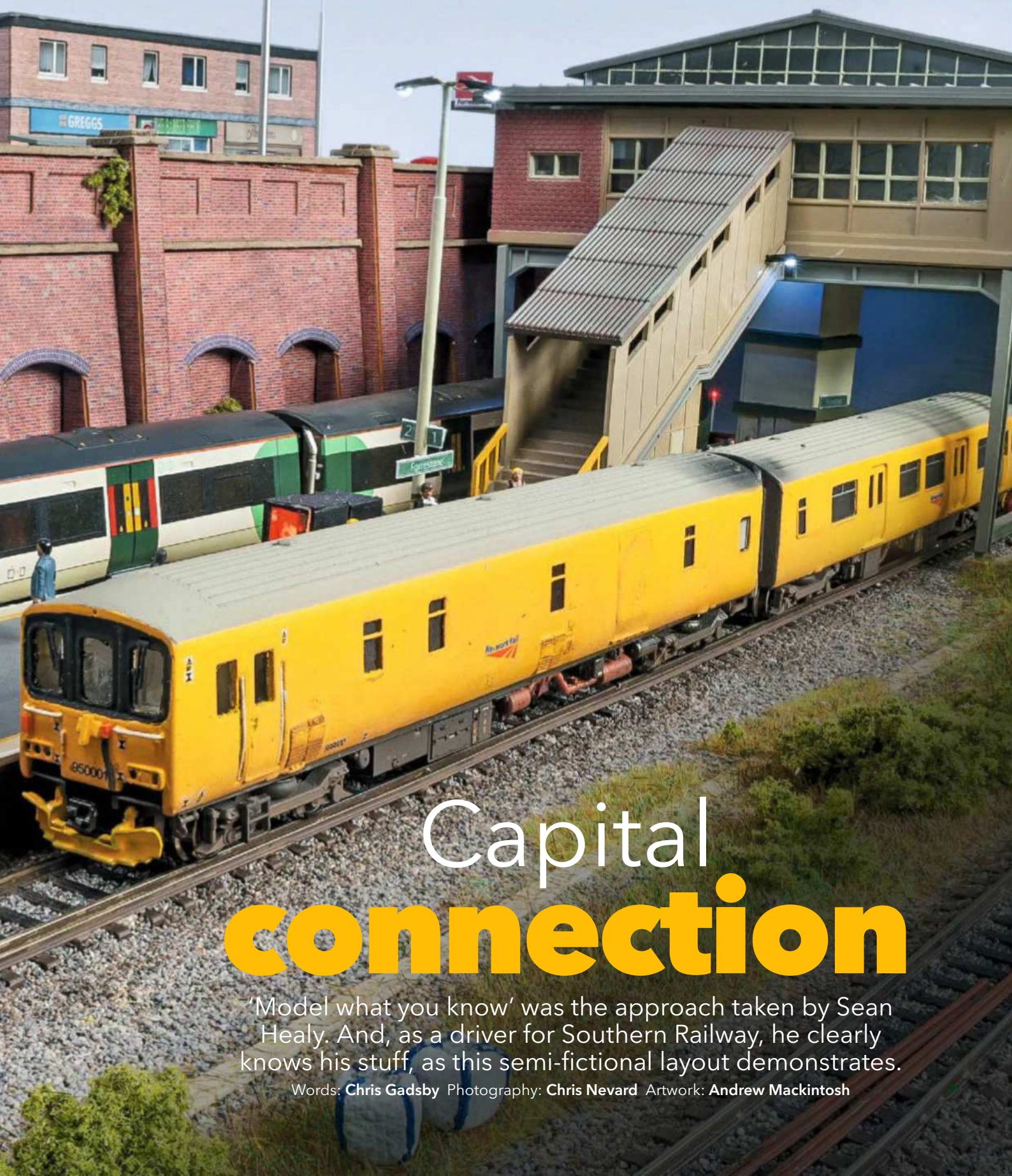
VITAL STATS

Layout:

'Forrestone'

Size: 5ft 6in by 1ft

Gauge: 'N'



Capital **connection**

'Model what you know' was the approach taken by Sean Healy. And, as a driver for Southern Railway, he clearly knows his stuff, as this semi-fictional layout demonstrates.

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



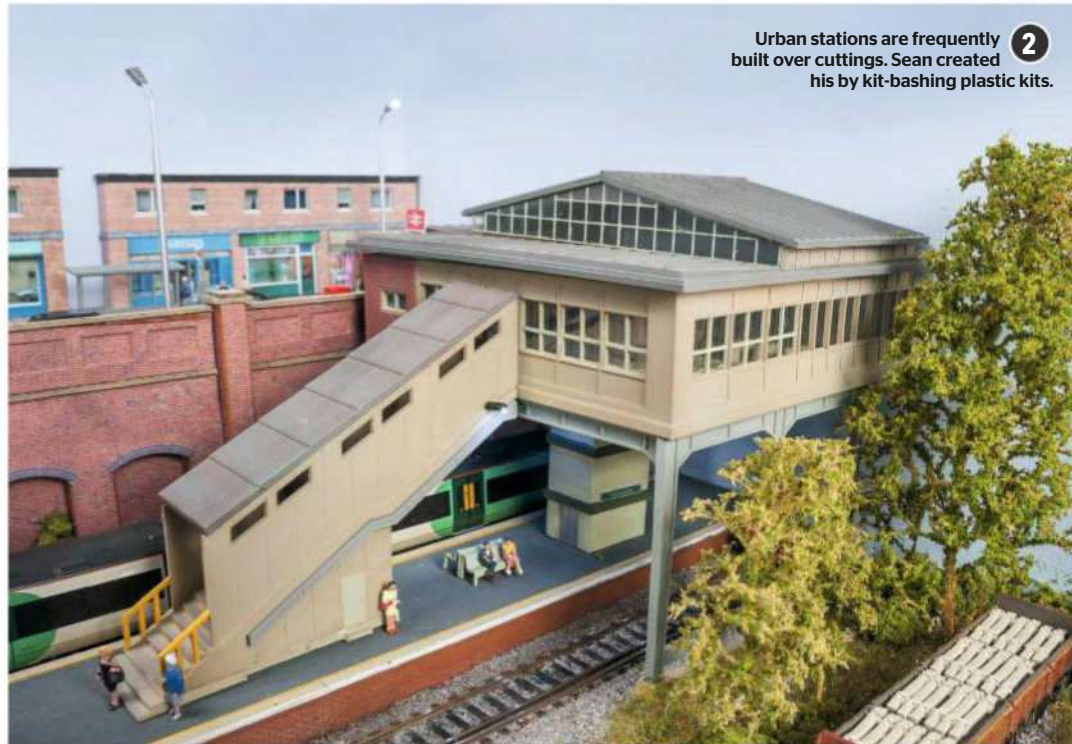
Over 40 million people travel on Southern services every year. The majority are commuters, and with trains leaving London Victoria every two minutes on average it's a challenge for anybody to recreate the rat race of the capital and its suburbs.

Sean Healy has achieved just that, though, with his 'N' gauge model 'Forrestone', which depicts a small but busy station on one of the spur lines of South London. Even though the layout is only 5ft 6in by 1ft, Sean has managed to accurately depict an urban environment without making it feel too crowded.

"I had to go with an 'N' gauge layout, as with a family of five there simply wasn't space for anything else. The dimensions of the layout were considered carefully so that it could fit in the cupboard under the stairs when not in use. That's also why I encased the layout in a plywood box, because the layout has to stand on its end when in storage and the box protects the buildings and lights, which are very delicate."

DRIVING FORCE

Sean chose the Southern region for 'Forrestone' as it's the railway that he knows, making it



Urban stations are frequently built over cuttings. Sean created his by kit-bashing plastic kits. **2**



3



4



3 things we like



1

The photographed shop fronts, which provide depth to the low-relief buildings.



2

Nothing says 'urban railway' more than graffiti on the retaining walls.



3

It must be the morning – the *Metro* readers are out in force.

What makes this layout great?

With everything occupying such a small area, as is often the case in the urban environment, things can feel crammed in, but on 'Forrestone' the bridge divide and low-relief buildings create the illusion of more space.

LAYOUT FORRESTONE

a natural choice for a modern day modeller.

"As a driver for Southern, I see this area of the railway – and the trains that run on it – almost every day. I've kept the location and time period quite vague so that as many people can relate to it as possible. I didn't want to be tied down to making things look exactly right for a specific location.

"The track is Peco Code 55 while the third rail is 2mm Society Code 40 rail that I soldered onto brass pins. This took a bit of time but I'm pleased with the results. I also have working signals which I can control from behind the layout, as well as managing the entire thing from my iPad using the Z21 app. This is particularly good fun for my young son who will play with it all day. As long as your point motors each have their own decoder you can control all the points and locomotives from the app. Operating the layout from the iPad has been something of a talking point at exhibitions."

It was always Sean's goal to exhibit 'Forrestone'. It took two years to build and was ready for its debut exhibition, but improvements and alterations are being made all the time. One future plan is to add lights and furniture into the blue block of flats on the left-hand side, which was built just before its first exhibition appearance. ➤

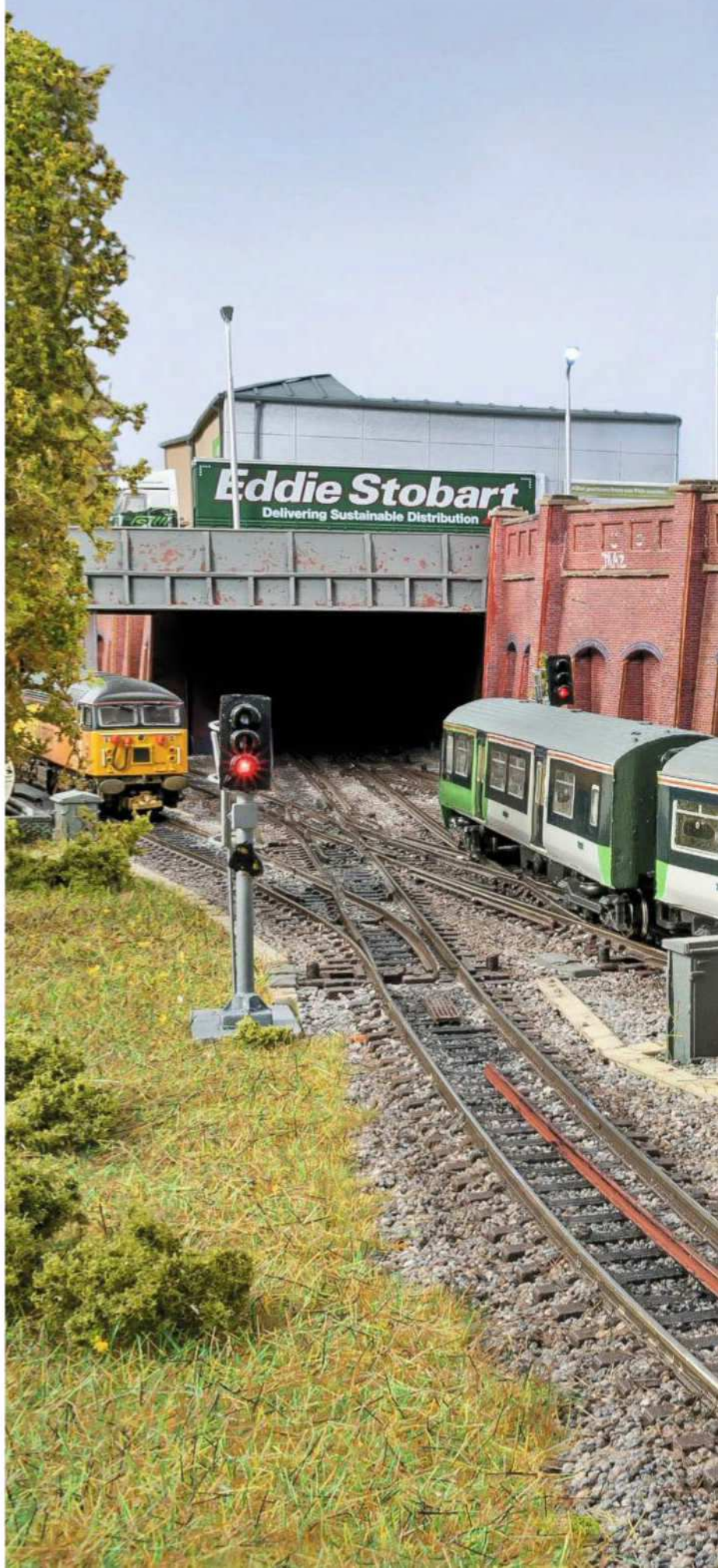
THINGS YOU MAY HAVE MISSED



The workmen are all ready-painted Graham Farish figures, while the Network Rail lorry and the Biffa bins were scratchbuilt.



5 Sean can change all of the signals on the layout from switches mounted behind the backscene, as the trains pass over them.



“I had to go with an ‘N’ gauge layout, as with a family of five there simply wasn’t space for anything else”



6 There's plenty going on on all levels at 'Forrestone', which means there's plenty of interest for the viewer.





MULTIPLE MASTERPIECES



Class 456



Class 950



Class 423

The lack of suitable ready-to-run models makes modelling post-privatisation third-rail difficult in any scale, but it's particularly challenging in 'N'. Sean has had to resort to lots of 'cutting and shutting' to make his three units.

The Class 423 '4-VEP' is a BH Enterprises kit, while the Class 456 is a Graham Farish Class 150 with 3D-printed cab ends (<https://bit.ly/2mgCkJm>), modified underframes and Electra Railway Graphics sides.

Network Rail's unique Class 950 unit also makes an appearance. As with the prototype, Sean's model is based on a Class 150 but has been fitted with PH Designs' etches.

"I am also in the process of adding sound to all of my models," Sean says, "something that was particularly difficult in the Class 08 - I had to cut a lot out of that to make everything fit. 'I've also weathered everything. I've applied a wash at one end but the sides are quite clean. I've also put a coat of brake dust on the bogies and undersides of the models to take the black shine off them."

THERE'S THE RUB

The Colas Rail depot is one of the layout's key focal points. Just don't talk to Sean about the concrete apron...

"I made the concrete from Plastikard that I painted to look as realistic as possible. However, I made the mistake of having it level with the top of the rails. When I cleaned the rails with a track rubber, it took the paint off. The whole lot had to come out and be done again. This time I made sure it stopped below the rails!"

The retaining wall runs along the length of the layout and is made from multiple Metcalfe PN145



“Operating the layout from the iPad has been something of a talking point at exhibitions”



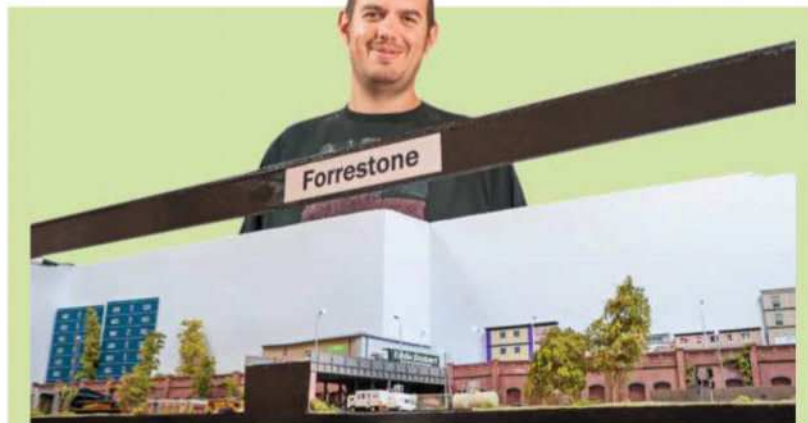
kits. The low-relief buildings at the back of the layout have also been carefully placed to add more depth to the 1ft deep layout. Photographs of actual shops have been used and placed at the front of the low-relief buildings to give the impression of depth.

"I've tried to place a few small details on the layout to maintain people's interest," says Sean. "Looking closely at the work shed you can see lathes and workbenches – and somebody has smashed one of the bus shelter windows."

It's often said that a model railway is never finished and Sean knows what other little details he would like to add. But he now feels that it's nearing completion. Why not judge how complete 'Forrestone' is for yourself? It's one of the starring layouts at The International N Gauge Show. **MR**

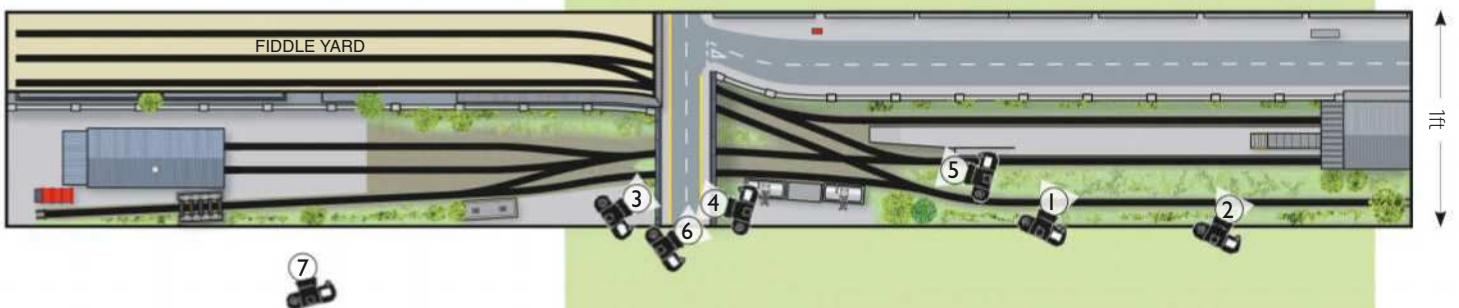
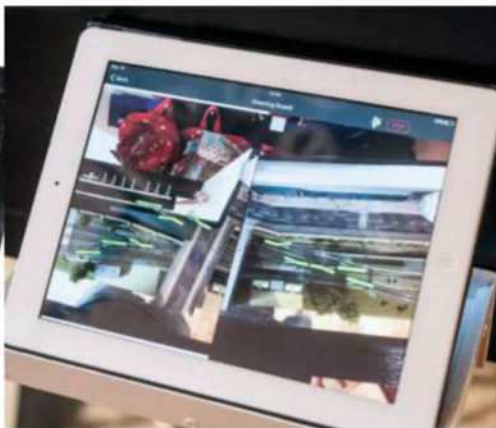
THE INTERNATIONAL N GAUGE SHOW

TINGS is the show for all 2mm:1ft scale modellers. It takes place on September 8/9. For more details, turn to page 72 or go to www.ngaugheshow.co.uk



MODELLER CV: SEAN HEALY

When I do get some time away from the railways I like to watch international rugby and spend time with my children, who like to play on the iPad all day, controlling the layout.



THE INTERNATIONAL

N GAUGE SHOW

THE SHOW FOR THE RAILWAY MODELLER

**SATURDAY 8th
& SUNDAY 9th
SEPTEMBER 2018**

Saturday 10am – 5pm
Sunday 10am – 4pm

**WARWICKSHIRE
EVENT CENTRE**



Featuring the very best of N Gauge this dedicated show will feature over 30 layouts and some 40 specialist suppliers who will be showcasing their latest models and products.

Highly regarded by UK and International hobbyists alike, nearly 3,000 visitors attended last year's successful event and this year's event promises to be bigger and better than ever.

SEE OVER 40 SUPPLIERS AT THE SHOW

- ABC Model Railways
- ADM Turntables
- All Components Ltd
- Anoraks Anonymous
- B H Enterprises
- Bachmann Collectors' Club
- Bachmann Europe PLC
- Cheltenham Model Centre
- Contikits
- Dapol Ltd
- DC Kits & Legoman Biffo
- Digital Sounds + C=Rail Intermodal
- DCC Supplies Ltd
- DM-Toys/Modellbahn Union
- DoubleO Scenics
- Gaugemaster.com
- GFB Designs (Sig-naTrak)
- Gramodels
- GWR Benches
- JB's Model World
- Malc's Models
- Medway Queen Preservation Society
- MegaPoints Controllers
- Mercig Studios
- Model Masters
- Mount Tabor Models
- N Brass Locomotives
- N Gauge Now
- N Train/Electra Railway Graphics
- Nelevation
- Osborns Models
- P & D Marsh
- P. G. Models
- Plus Daughters
- Revolution Trains
- Severn Models
- SPC Simplified Point Controls
- Steve Currinn Books
- The Craftlight Company
- The Loco Shed
- The Model Centre & Custom Finish Locomotives
- The Model Tree Shop
- TTC Diecast.com



For further information or to book tickets visit www.ngaugeshow.co.uk



ENGAGE with 'N GAUGE' - THE show not to be missed!

Leading manufacturers and specialist suppliers selling all the latest models and products in one place.

SOME FANTASTIC LAYOUTS AND DISPLAYS WILL BE PRESENTED COVERING MODERN, AMERICAN, STEAM AND CONTINENTAL.

Here is a sneak preview of some of the layouts that will be there:

Dépôt de Camion

The lorry depot is set near or in the third of Switzerland that has French as the main language. The imaginary site is near to the outskirts of a large town on a main railway line, so allowing running both main line and suburban stock. The time period is now.

Fellows & Minchin Freight Depot

Fellows & Minchin is an imaginary freight depot. The name came from my maiden and married names. I am the Fellows of Fellows, Morton and Clayton – who in the late 19th and early 20th Century carried goods on the canal network. The Headquarters being in Tipton, West Midlands.

Forrestone

Forrestone is a small N gauge layout based on a fictional spur off of a South London main line comprising of 2 platforms and a locomotive depot for a freight company. The layout is run on DCC and is controlled with iPads and iPhones and includes locomotives with sound.

Hatch End

Based on the real location, on the West Coast mainline, north of London Euston during the 1980s. With the four main lines of British Rail under a/c wires and the two Watford lines of the underground it makes for plenty of movement. Look out for the APT -P on a test.

Middle Elmton

Middle Elmton is supposedly a small town in Nottinghamshire on a joint ex MR/GCR line from Sheffield to London, a branch leads from the town to Bolsover. The layout is set c1962 thus allowing both steam and diesel traction to be used.

Two Seasons

Two Seasons is a layout that has two different viewing sides. One depicts a winter scene and the other side depicts a summer scene. Both sides have working lights adding depth to the layout.

Early N Gauge Display

The display celebrates the beginning of N Gauge modelling here in the UK covering pioneering suppliers. One section will be devoted to early card and paper building kits dating from 1949 to 1970 with examples of assembled models and the added opportunity to see and discuss how these kits are assembled.

ADMISSION PRICES	ONLINE TICKETS*	FULL PRICE TICKETS**
Adult	£10.00	£10.50
Senior Citizen	£9.00	£9.50
Child (5-14)	£4.50	£5.00
Order 10 or more tickets online to receive 10% discount - enter code GRP10		

* Tickets are available via our website at discounted prices.

** Full price tickets are available on the day at the venue.

Please call SEE Tickets on 0115 896 0154 if you would like to book a ticket by phone.

Last admission 1 hour before closing.

BOOK YOUR TICKETS NOW
FREE PARKING
FREE SHOW GUIDE

Exhibition Link Bus on Saturday 8th only
Please see our website for full details.



5 SOCIETIES AT THE SHOW

- DEMU
- Leamington & Warwick Model Railway Society
- N Gauge Society
- The 2mm Scale Association
- Worldwide Group of the N'Gauge Society



Organised by Meridienne Exhibitions Ltd

All information subject to change due to circumstances beyond our control.



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.

GETTING THE TRAINS RUNNING



Having just dug out a layout from store, the track turned out to be filthy, despite it being under a cover. Do you have any tips on how to clean the rails effectively and keep them clean in future?

P. Harrington, by e-mail

Peter says: All layouts, even those stored carefully in wooden crates, are likely to suffer from the track gathering a layer of dirt on their contact surfaces, due mostly to oxidation of the metal rails. This is especially true with nickel silver track and explains why stainless steel has emerged as an alternative material in recent years.

Having recently retrieved one of my own layouts from the garage, I found that after six months of storage, the performance of the trains was awful. Every locomotive stumbled over the points and, even on plain track, there were more running problems than expected.

Therefore, I set myself the task of seeing how best to get the trains running properly on this compact layout, which has approximately four metres of plain track and three points. It took a good 30 minutes until I was happy with the running of all of the locomotives.

Track cleaning is arguably more important today than it's ever been. As users of DCC systems will appreciate, clean track is essential for reliable operation, particularly when digital sound is involved. Unless 'Stay Alive' (or similar) power storage circuitry is installed within each locomotive, dirty track can potentially interrupt the sound, while also causing lights to flicker and locomotives to stall.

Thoroughly cleaned track not only provides more reliable operation, it also removes a source of frustration, thereby ensuring that layout operation remains a pleasure rather than a chore.

SHIFTING THE DIRT

If a layout has stood idle and gathered dust, I find it best to begin with a track cleaning block, which will remove the heavier deposits of dirt and tarnishing on the rails. The block is rubbed over both the top surface and the upper inside edge of the running rails until they appear shiny and clean.

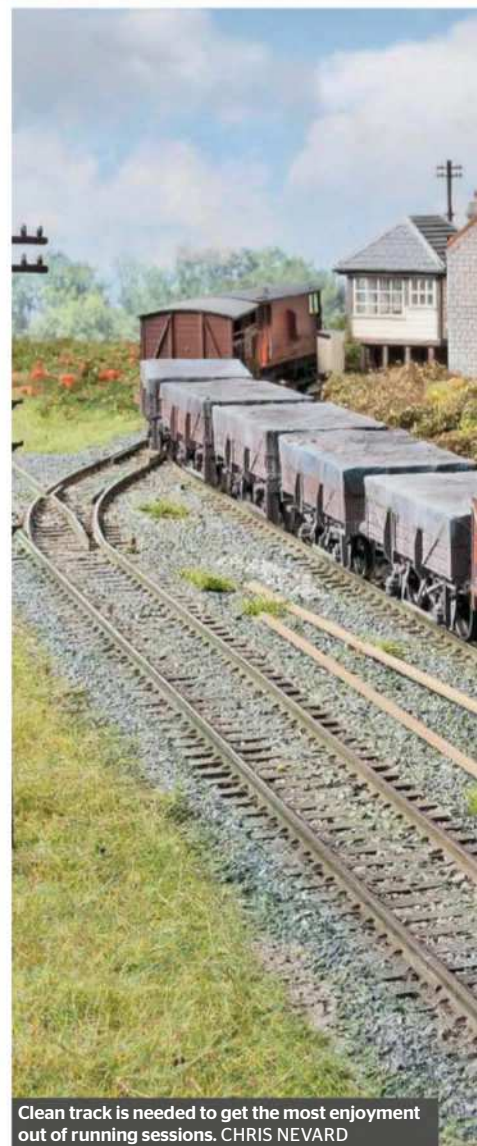
In addition to using a cleaning block, the flat blade of a small screwdriver can be pushed alongside the inside of the rail. This is especially effective for removing any excess paint applied after weathering the track.

A glass-fibre brush can also work as an effective abrasive, removing deeply ingrained dirt from harder-to-reach areas, such as the point blades and their contacts, which can be essential for transmitting power along the rails.

A vacuum cleaner can then be harnessed to remove the loose debris created by the track cleaning block and glass-fibre brush.

KEEPING THE RAILS CLEAN

How frequently a layout needs to be cleaned is dependent upon a number of factors. How often is it used? Are the



Clean track is needed to get the most enjoyment out of running sessions. CHRIS NEVARD

locomotive and rolling stock wheels kept clean? Is the layout housed in a particularly dusty, damp or humid location?

Generally speaking, if a layout has stood unused for some time, a thorough clean should always be undertaken before any models are run.

Track cleaning fluids, as offered by Deluxe Materials, Woodland Scenics, Dapol and others, are great for shifting light layers of dirt and tarnishing. Indeed, they also have the potential to prolong the periods in between major cleans by preventing further tarnishing.

Incidentally, Woodland Scenics offers a comprehensive Tidy Track cleaning system, containing cleaning blocks, fluid and a range of applicator tools to reach into awkward areas. Woodland Scenics recommends a deep clean of a layout on a monthly basis, as part of a preventive maintenance routine.

It's also important to clean the rails carefully following any scenic work, during which paint, flock powder or other contaminants may have spilt onto the tracks.



Bachmann's ModelMaker track cleaning block is effective for removing heavy deposits of dirt from the top and the inside edges of the rails. PETER MARRIOTT



Below: Woodland Scenics offers a comprehensive track cleaning range under the Tidy Track banner, while Track Magic (inset) is an effective cleaning fluid. PETER MARRIOTT

WHAT PETER USED...

All of the cleaning products mentioned here are available from model shops or direct from Gaugemaster.

Tel: 01903 884321
Web: www.gaugemaster.com

Gaugemaster's glass-fibre brush is the perfect tool for cleaning hard-to-reach point blade contacts. PETER MARRIOTT

Technique of the month

Avoid mess when mixing paints

David Weekes says: Like many modellers, there are times when I've made a real mess when mixing paint. I've shaken and stirred with just about every conceivable tool, and still ended up with a mess on me and the workbench.

Recently, I bought a Badger motorised paint mixer and didn't want to end up covered by flying paint when using it. So I made a simple device to avoid spillages, using a scrap of copper pipe, the nozzle from a mastic cartridge and an 'O' ring. The same principles of construction can be used for various sizes and shapes of paint container.



The broad end of a mastic nozzle proved a good match for a typical metal paint tin. An offcut of 15mm copper pipe fitted into the nozzle after fettling away the internal thread.



Cut the mastic nozzle off about 7mm from the lower end. Check that the copper pipe is a snug fit then secure with cyano glue. An 'O' ring washer will act as a sealing ring when the unit is lightly pressed onto the tin.



The head of the Badger mixer can be placed through the pipe into the tin for spill-free mixing. Clean the tube with white spirit when working with enamel paints, or water for acrylics.



Look after your paintbrushes and they will reward you with years of reliable service.

PAMPER YOUR PAINTBRUSHES

George says: I'm often asked about how best to keep paintbrushes clean and in good condition. The cleaning aspect is fairly straightforward, although the cleaning medium depends on the type of paint or varnish that has been applied.

When brushing enamel or other oil-based paints, I usually swill my brushes in clean white spirit. This shifts the wet paint effectively, but it does leave behind a residual layer of solvent that may not be good for the brush's bristles in the long run.

Brushes used for water-based acrylic paints can usually be cleaned with water, although those with a greater alcohol content (such as Tamiya) may need something stronger. In this case, a mild formula of isopropyl alcohol will help, as will alcohol-based acrylic thinners (Tamiya again!).

Each of these approaches is fine for quick cleansing between different colours but, at the end of the painting session, it's often a good idea to treat the brushes to a more thorough clean.

Natural, sable-haired brushes are particularly sensitive to solvents and, with these brushes usually being more expensive,



Brush soaps are great for cleaning and conditioning the bristles.

it makes sense to look after them properly. Therefore, I often treat my best brushes to a 'shampoo and set', using regular hand soap or, for special occasions, shampoo!

Special brush soaps are also available, from Games Workshop and art stores, and are highly effective for clearing residues of paints and thinners. After a thorough wash and lather, the brush is rinsed in clean water before the bristles are reshaped into their original profile by hand. Stand the brushes upright in a jar and allow them to dry naturally.

WHAT'S THE BEST GLUE FOR WIPERS?



What glue should I use to fix windscreen wipers to DMUs?
Mark Trent, Scarborough

George says: A number of glues are safe for use in close proximity to clear plastic glazing. PVA-type glues are the safest, with special formulae existing specifically for use on model glazing.

Epoxy glues are also suitable, but these can be a little messy. Most cyano-type glues - often referred to by the trade name 'Superglue' - should be avoided. The strong solvents they contain often cause a 'misting' of the glazing, which can be hard to remove.



Glazing adhesives, such as Glue 'n' Glaze, dry crystal clear and offer a strong, flexible bond.

QUICK FIX – AGEING REAL WOOD



In the last issue I noticed mention of a fluid for creating peeling paint effects on wood.

But how do I weather real, bare timber?
Pat Manning, by e-mail

George says: There are a number of ways of ageing and distressing real wood components, using tools and colouring agents.

Miniature steel wire brushes, available from DIY stores, can be rubbed over the wood's surface in line with the grain, which will bring added texture. Oil or water-based wood dyes can then be applied by brush, wiping away the excess with tissue or rags. As the dye penetrates into the wood grain, it produces a highly realistic effect. However, if adhesives have been employed, thus sealing the grain, the pigment will not be absorbed correctly, leading to an uneven finish.



Weather-All can be brushed onto bare wood. For darker effects, dip the wood in the fluid for a few minutes and wipe away the excess.

Another drawback to conventional wood dyes is the limited choice of colours available, each being designed to make wood look more attractive rather than aged.

I've recently discovered a new product from the USA called Weather-All. The plastic bottle contains a violet-coloured fluid which can be brushed over bare timber, producing an attractive washed-out look. Building up numerous coats or soaking the wood in the fluid for a few minutes creates a darker effect. With no smell and a quick-drying formulation, it's a very convenient option.

Product: Weather-All ageing solution
Price: £12.95

Availability: ScaleModelShop

Tel: 01422 405040

Web: www.scalemodelshop.co.uk



These strips of wood, cut from a coffee stirrer, have received a varying number of coats of Weather-All fluid, producing a pleasing effect.



Get connected with Connecto...

Connecto is a great new system from Albion Alloys, designed to help in the creation of miniature metal structures. Available in 11 different sizes, each pack provides up to 90 separate connectors, either in cruciform or six-pointed 'star' shapes. When combined with the appropriate diameter of brass tube, a matrix of 90° or 45° angles can be readily achieved.

Ideal for scratch-building projects, the possibilities are almost endless, especially in terms of buildings and scenic applications. Scaffolding, children's climbing frames, masts for ships, handrails and tubular girder work are just a few examples that spring to mind.

The connectors and brass tube are easily cut with a stout blade and the parts can be bonded effectively with cyano glue, creating a sturdy structure in no time at all.

Availability: Albion Alloys stockists

Web: www.albionhobbies.com



PROTOTYPE QUESTION OF THE MONTH

SPEEDOMETER FOR A 'DUFF'



I'm detailing a Heljan Class 47 in EWS livery. A small speedometer drive is included with the model, but is it suitable for a '47' in this later period?

Phil Warburton, by e-mail

George says: In their later BR and post-privatisation careers, some Class 47s received an upgraded speedometer system. Fitted to the centre axle on the right-hand side of the No. 2 end bogie (if you're looking forward from the cab), the original circular drive unit was replaced with a flat rectangular panel that obscured the face of the axlebox completely. A slender cable runs from the device up into the floor of the locomotive.

We're not aware of any off-the-shelf etched or cast detail parts for 'OO', but the speedometer unit is simple to recreate in miniature using a scrap of plastic card and fine, flexible wire.

Be aware that this was not a universal fitting, with many 'Duffs' keeping their original units. It's best, therefore, to check prototype images to see if it's appropriate for your particular '47'.



Above: The flat, rectangular cover of the speedometer drive, as fitted to the No. 2 end bogie of preserved 'Royal' Class 47 47798, on February 2011. GEORGE DENT

REPAIR A LOCOMOTIVE AFTER A 'ROUGH SHUNT'



Is there any way of repairing a broken metal locomotive chassis?
Gordon Milne, by e-mail

George says: It depends how serious the break in the metal is, as well as where the fracture has occurred.

In some cases, die-cast metal chassis may fracture due to a substandard grade of alloy. Expansion and distortion usually occurs prior to fracture, leading to damaged plastic bodysells. If this is the case, then the prospects of a simple remedy are remote, as the metal will continue to degrade over time.

If the chassis has received accidental damage, then it may be possible to glue the broken parts back together with a strong adhesive, such as epoxy resin. Accurate realignment of the parts is essential to ensure that mechanical components stay perfectly 'in tune'.

Furthermore, the surfaces will need to be thoroughly cleaned of oil and grease before the glue is applied, and any electrical and mechanical parts will need to be protected.

I've only had a few accidents with locomotive models over the years, with exposed areas like cylinder brackets and bufferbeams being the most common victims, usually as a result of a tumble from the layout to the floor.

Indeed, a Bachmann 'A1' did just that a few weeks ago, with a corner of the front frames and bufferbeam breaking off. As you can imagine, I was a little upset by this calamity and wanted to effect as tidy a repair as possible, although it took me a while to find the missing piece, which had flown across the workshop and nestled behind a cabinet.

The broken piece was distorted to such an extent that the parts barely married up at all, leading to a tiny contact area for the glue to cling to. Straightening the bent metal is difficult, as the alloys employed are often rather brittle and likely to disintegrate if over-manipulated.

Accordingly, a blob of slow-drying cyano glue made the initial 'tack' bond and, once this had cured, epoxy was smeared over the parts and into the large gaps. After 48 hours, the epoxy could be filed and sanded flush with the surface, with any remaining gaps or imperfections treated with a regular grade of model filler. The paintwork then had to be touched in as neatly as possible.

Thankfully, the repair turned out OK, although there's still a tiny kink in the bufferbeam. However, the bond has proven very resilient and is sufficient to withstand everyday use on a layout.



After a repair to the front end, hopefully it's not obvious that this Bachmann 'A1' had recently been the victim of a head-on collision with a concrete floor. GEORGE DENT

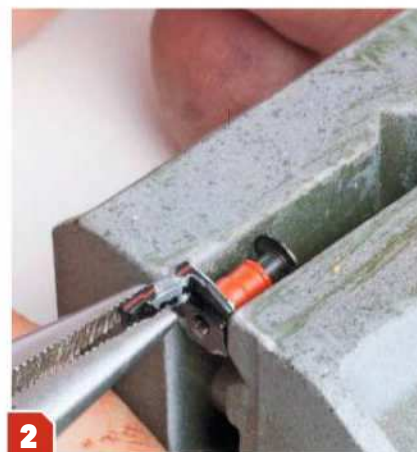
ANY GAUGE | 60 mins | [Tools icon]

STEP BY STEP



1

This Bachmann 'A1' took an express trip to the floor, smashing a corner of the metal bufferbeam. Because it wasn't a clean break, the part would not simply slot back into place and there was little surface area on which to form a strong glue joint.



2

Straightening distorted parts is not always possible but, with the 'meatier' section gripped in a mini vice, the material was gently manipulated. A small crack did appear - which can be fixed with glue - but luckily the part didn't snap.



3

Cyano glue allowed the corner to be 'tacked' into position. Once aligned, a hard-setting epoxy was mixed and a generous amount applied around the joint.



4

The cured epoxy was filed flush and filler covered any remaining gaps. A brush dipped in cellulose thinners smoothed the wet filler, leaving less sanding to do later.



Alexander Warren's 'Diddington' is a semi-fictional layout with a spectacular river crossing, inspired by the scene at Godmanchester, Cambridgeshire. CHRIS NEVARD

'DIDDINGTON' RIVER SECRETS REVEALED



How was the amazing river created on 'Diddington', featured in MR247?

Frank Stalker, by e-mail

Alexander Warren says: The river on my 'Diddington' layout is a gently flowing, mature watercourse, inspired by the Great Ouse between Huntingdon and St Ives.

The base is formed from plywood, coated with a mixture of Artex and PVA to fill the grain. This coating needs to be smooth and level, as it will dictate the surface of the water.

The Artex is then painted. The colour of water is influenced by the colour of its surroundings. The deeper parts, towards the middle of the river, were painted a dark blue/green. At the edges, more brown was added to the mix to give an impression of shallows. I used acrylic craft paints, but I have also used oil paints in the past. For a recent restoration project I employed a mix of Tamiya acrylics, so whatever paint brands are to hand will do - it's the colours that matter the most.

The 'water' was built up with coats of varnish; the more coats, the better the

effect. Use a good quality, gloss varnish. The first three coats were thinned 50/50 with white spirit, mixed in a tray and applied by wiping on with a piece of kitchen roll. When dry, it was lightly rubbed down with wet and dry paper, then wiped over to remove any dust, using a cloth dipped in the white spirit.

The application of varnish was then repeated with a little less white spirit. Further coats have progressively less white spirit added so, with the final coats, the varnish is virtually neat.

If the surface becomes marked or scratched it can be restored by rubbing down and applying more coats of varnish. The river on 'Diddington' has been treated in this fashion on a number of occasions over the past 20 years.

Reeds at the water's edge are made from bundles of plumber's hemp, cut to length, with a small blob of glue, such as PVA, applied to one end before being planted on the surface of the water. Surrounding duckweed is made from green scenic scatter, sprinkled over PVA. Wildlife and human river traffic can be added to taste, but avoid overcrowding the scene if you want to create a quiet backwater!

Tool of the month

RP Toolz punch and die sets are invaluable for scratchbuilders.

From Hungary comes this amazing range of miniature punch and die sets, designed for punching circular or hexagonal shapes from thin sheet plastic, aluminium, brass, paper or card. Comprising a galvanised steel base and a tough, clear acrylic plate, a pair of knurled knobs clamp the sheet material in position.



A number of punches are provided to match the incrementally sized holes in the die plate and these are tapped with the supplied hammer. The cut material then falls through the base. This particular unit comes with 12 punches for forming discs from 2mm to 4.5mm in diameter.

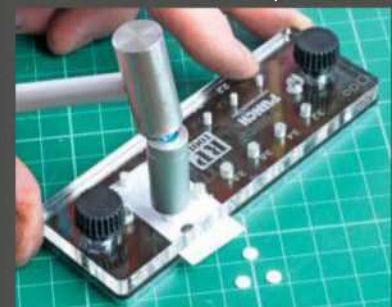
Great for all manner of detailing and scratchbuilding tasks, these are high-quality tools for the serious modeller.

Availability: Scale Model Shop

Price: from £70.00

Tel. 01422 405040

Web: www.scalemodelshop.co.uk



THREE CAMEO IDEAS FOR YOUR LAYOUT...



1

'Croydon North Street'

Paint it white: A long, dry summer is the ideal time for getting those outdoor painting jobs done. Looks like this rendered house was in need of a facelift.



2

'Matford'

Trolley park: Few modern urban scenes are complete without the addition of the ubiquitous abandoned, rusty supermarket trolley.



3

'Hazelbank'

Truck heaven: Choosing period-specific commercial vehicles helps to set a layout in a particular timeframe. Fitting a driver also improves realism.

Masterplan Spectacular settings

Three track plans to get you thinking in three dimensions

DRAMATIC lines

Nature has prepared some stunning backscenes for you to copy – and **Paul A. Lunn** has devised the perfect layouts to go with them.

Artwork: **Paul A. Lunn**



Windermere is England's largest natural lake. It's over ten miles long, over a mile at its maximum width and the water is over 200ft deep in places.

What makes it particularly special is that it's surrounded by the beautiful hills and fells of the Lake District: Great Green Hows, Black Fell, Hag End and the stunning Wansfell Pike.

You can't ask for a more spectacular location, but it has extra interest for railway enthusiasts. There's Lakeside station in the bottom left-hand corner, giving an almost cross-platform connection to the water. Windermere station, meanwhile, comes in midway up the lake on the right, but the station is some distance from the water itself.

There's never been a better time to take a look at both railways. In the wake of Northern's 'timetable fiasco', the train operating company suspended

services on the Windermere branch in June, opting for rail replacement buses instead. However, local MPs and rail pressure groups arranged for West Coast Railway Company to work trains instead, leading to Class 33s, 37s, and 57s hauling trains on the line for several weeks.

It's also been 50 years since the end of BR steam and both branches played key roles in 1968. Carnforth and Lostock Hall sheds provided steam power for the Windermere branch, which bade farewell to steam on August 3 1968, the final day of revenue-earning steam-hauled services. As you can see on page 50, 'Black Five' No. 44709 hauled the last train.

But Carnforth was also home to a group of preservationists. Their plan was to operate the Lakeside-Ulverston branch with steam but, as you'll see next issue, that grand vision never became a reality.

● Thanks to Peter Salmon for his help with this feature.



A fantastic view over Windermere, with the lake and the Langdale Pikes in the background. A TransPennine Class 185, on hire to Northern, works the 1417 Oxenhope-Windermere on October 8 2016. Pike o'Stickle is far left, then Harrison Stickle, Pavey Ark and the area with the sun on it is High Raise. ROBERT FRANCE/ALAMY

The Windermere branch



Above: West Coast Railway Company Class 57 57316 arrives at Windermere on June 21. WCRC operated six trains a day for several weeks in June after Northern cancelled its services on the line. Windermere was designed as a through station and built by Abraham Pattinson in 1847. The goods yard closed in 1969 and much of the former station site became a supermarket in the 1980s; a new station built on a shortened Platform 2 opened in 1986.

ANDREW BELL/ALAMY LIVE NEWS

FACTFILE: WINDERMERE BRANCH

Opened: April 20 1847, built by Kendal & Windermere Railway.

Past operators: LNWR, LMS, London Midland Region.

Current operator: Northern.

Route: Oxenholme-Windermere.

Intermediate stations: Kendal, Burneside, Staveley.

Closed: Still open, but rationalised in the 1970s: line singled in 1973.

Right: The panels in the track at Kendal station indicate the location of the subway (closest to the DMU) and the bridge over the A6 road (closest to camera). This is the 1138 from Oxenholme on September 6 1976.

PAUL A. LUNN COLLECTION





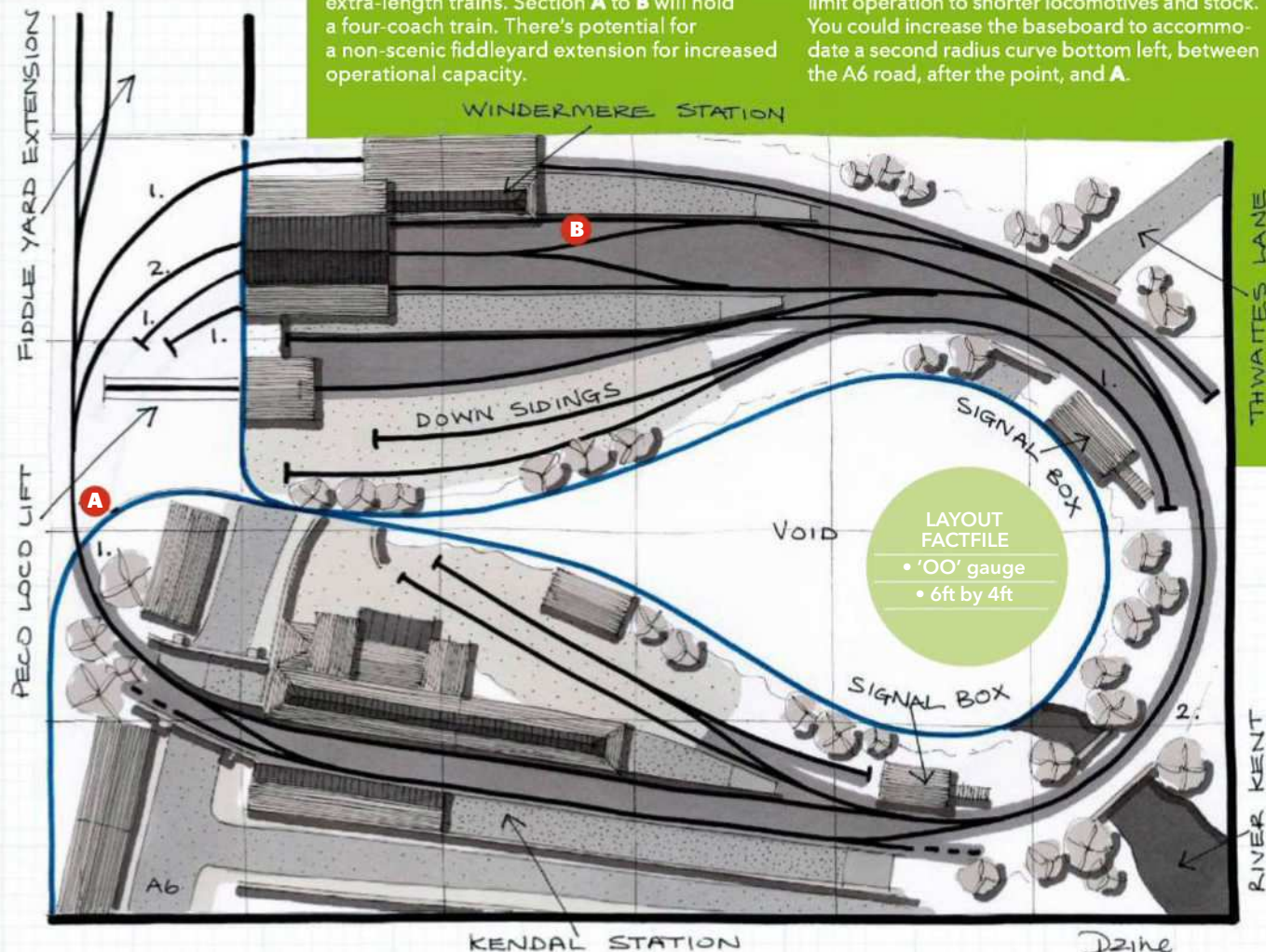
Above: Catch it at the right time and Oxenholme is still a very busy place. Much of the original buildings are extant, with the overhead masts - erected around 1974 - the only blot on this otherwise unchanged view.
PAUL A. LUNN

● Each square represents 1ft.

End-to-end

A 6ft by 4ft end-to-end format with two continuous circuits at the station end for extra-length trains. Section A to B will hold a four-coach train. There's potential for a non-scenic fiddleyard extension for increased operational capacity.

It makes use of rigid and flexible geometry track. Please note that first radius curves will limit operation to shorter locomotives and stock. You could increase the baseboard to accommodate a second radius curve bottom left, between the A6 road, after the point, and A.





TOP TIP

Modelling different seasons can provide a dramatic visual effect. Here I've used the bridge/backscene to create a division between autumnal colours and the typical greys and whites of winter snow.

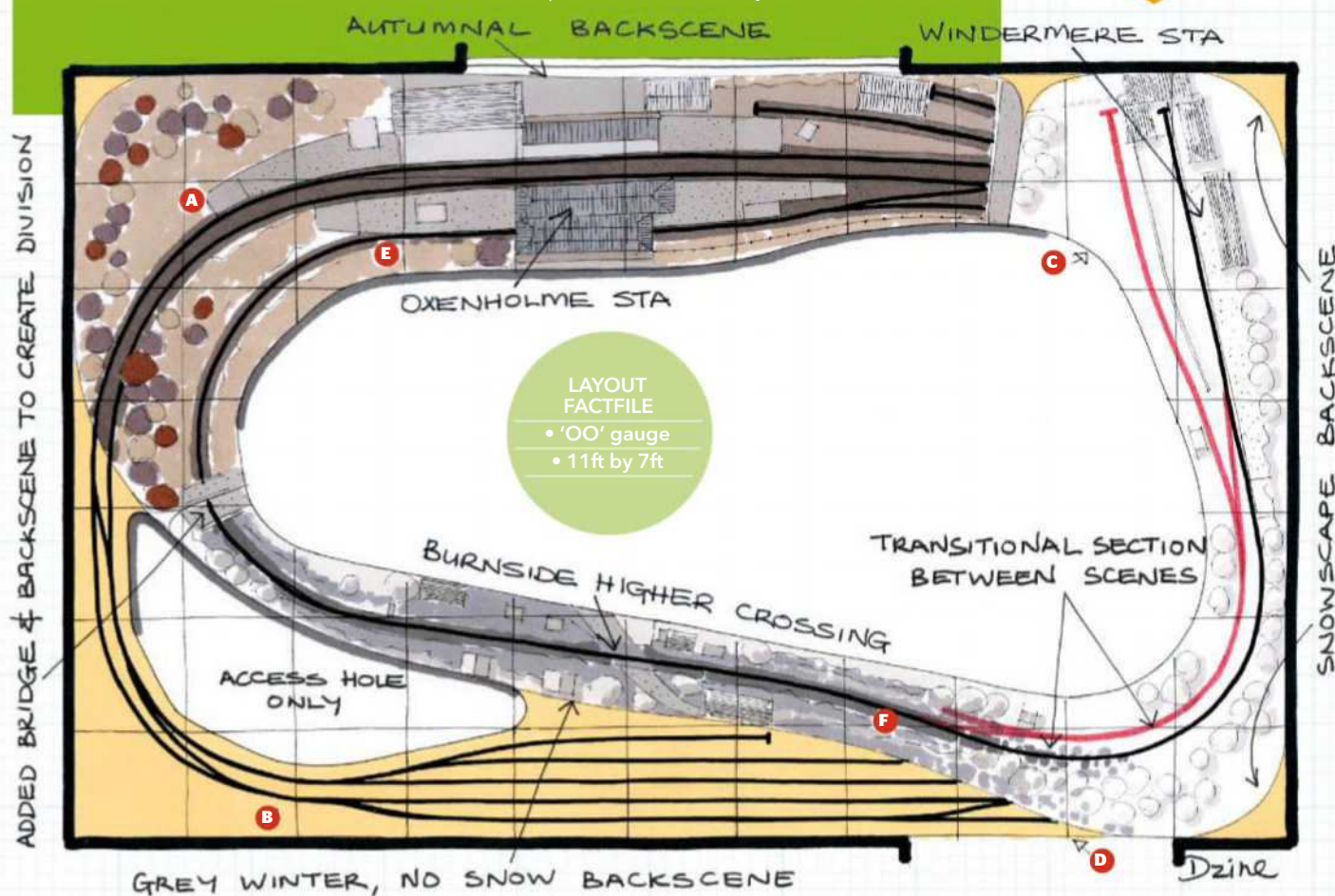
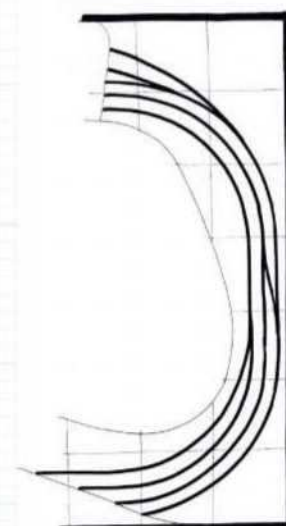
Fifty years ago: Lostock Hall unexpectedly turned out 'Black Five' No. 45110 for a scheduled passenger service to Windermere on July 29 1968 because the rostered DMU had failed. Steam watering facilities had already been removed, hence the hosepipe. The return working to Preston included a 60mph dash down the West Coast Main Line. IAN THOMPSON

Fictional freight

This 11ft by 7ft 'OO' gauge layout adds interest to a rationalised line by including a junction station. The line in red represents a fictional line for an equally fictitious new freight flow.

In order for the branch terminus to be sited

over the non-scenic main line section I have suggested a modest gradient of 1-in-60 downwards from **A** to **B** and **C** to **D** underneath Windermere station, together with a branch gradient of 1-in-40 between **E** and **F** in order to provide the necessary clearance.



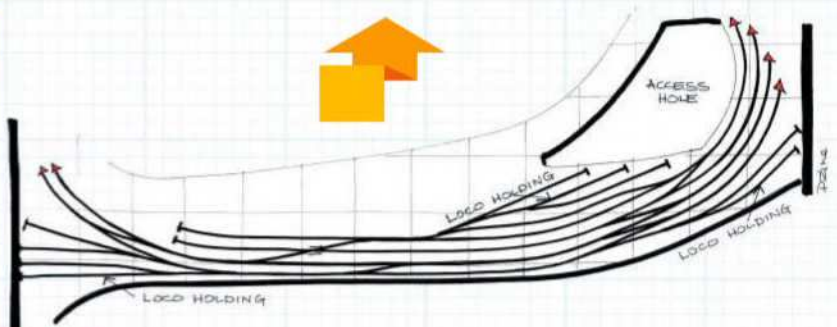
Windermere to Oxenholme
Showing services to
Lancaster and Manchester Airport

train times
10

15 September 2012
to
08 December 2012

- Windermere
- Strawberry (requent Stop)
- Burnside (requent Stop)
- Kendal
- Oxenholme Lake District
- Lancaster
- Preston
- Chorley
- Bolton
- Manchester Oxford Road
- Manchester Piccadilly **easy**
- Manchester Airport

First TransPennine Express
buy your tickets online at tpeexpress.co.uk



85

Create your own docklands



GV2015
Port of London Janus 060



GV6015
Matching Wagon Set



KIBRI 38510
Double Link Gantry Crane
£39.05



KIBRI 38520
Tug Boat
£21.77



KIBRI 10922
Six 40 Ft Containers
£18.13



AUHAGEN 11414
Loading Ramp
£23.54



KIBRI 39156
Working Pontoon & Excavator
£35.90



KIBRI 38524
Barge
£19.04



KIBRI 38522
Barge
£19.04



KIBRI 10924
8 20 Ft Containers
£16.32



KIBRI 38530
DEMAG Container Crane
£50.87

www.GoldenValleyHobbies.com

Unit 1 Pontrilas Business Park, Pontrilas, Herefordshire, HR2 0AZ
See our website, write or call to order. Trade enquiries welcome. 01981 241 237



Reviews

In-depth and unbiased reviews of the latest products

88 Stirling 'Single'

Chris Gadsby gives the eagerly awaited Rapido/NRM model a once-over.

92 MJA opens

It's the 'N' gauge version of these open wagons under scrutiny this month.

92 Maunsell Brake 3rd

Dapol adds another variant to its already excellent range of 'N' gauge Southern coaches.

94 Banner repeater

George Dent finds out how good Absolute Aspects' newest colour signal is.

96 Ground signals

More colour signals to test. This time, Dave Lowery installs ground signals from DCCconcepts.

98 Class B oil tanks

Richard Foster takes a look at these 'N' gauge oil tanks from the crowdfunding specialist.

Our reviewers

Richard Foster

His forte is steam locomotives.

George Dent

Our modern image expert.

Chris Leigh

Wrote his first review in 1964!

Chris Gadsby

Scrutinises models for accuracy.

Dave Lowery

The master modeller.

Our ratings

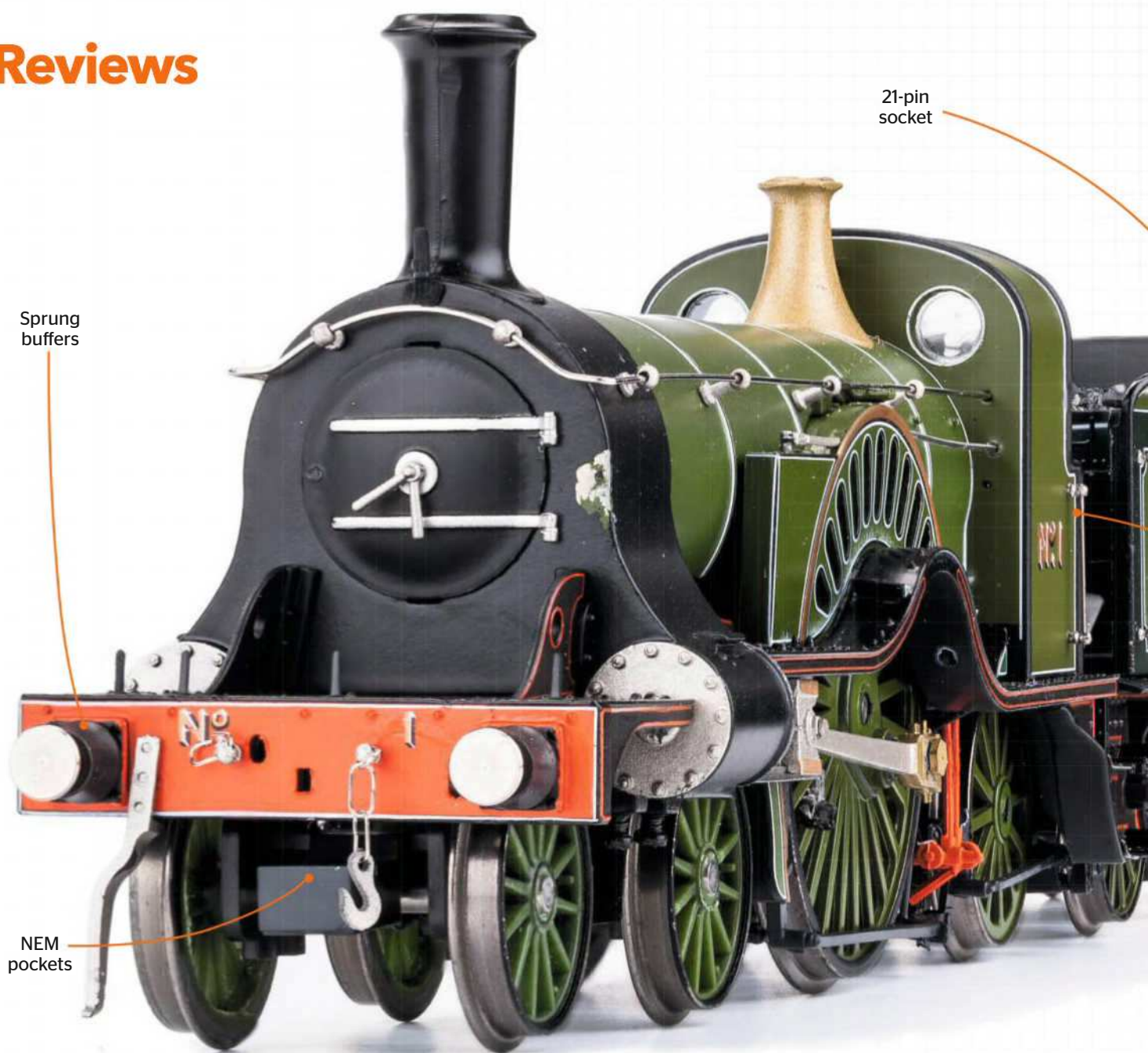
We assess models on the following criteria and rate each of them out of ten: that way, you know precisely how good a model is.

LOOKS	9/10
PERFORMANCE	9/10
FEATURES	8/10
DECORATION	9/10
VALUE FOR MONEY	6/10
TOTAL	82%

How we test

At *Model Rail*, we pride ourselves on the quality, thoroughness and unbiased nature of our reviews. To do this, we judge models against prototype images and historical texts. We also run them on our test track, which features 1-in-30 and 1-in-60 gradients in both 'N' and 'OO', not to mention numerous challenging track configurations.





Rapido Stirling 'Single'

◆ GAUGE 'OO' ◆ MODEL Locomotionmodels/Rapido Trains 449373 GNR 'Single' 4-2-2 No. 1, GNR lined green ◆ PRICE TBC ◆ AVAILABILITY www.locomotionmodels.com

It was the superlative prototype *Deltic* that kicked off the National Railway Museum's range of exclusive locomotives. Can it really be ten years ago? We've had some great models since - including Bachmann's *City of Truro*, Midland Compound No. 1000 and 'D11' *Butler-Henderson*. Production has since switched to Rapido Trains, and the new partnership was marked with the fabulous APT (MR222).

One member of the National Collection that has long deserved immortalisation in model form is the beautiful Stirling 'Single'. With its giant 8ft diameter driving wheel behind its delightful slotted splashers, GNR No. 1 is one of the National Railway Museum's most eye-catching locomotives.

STIRLING EFFORT

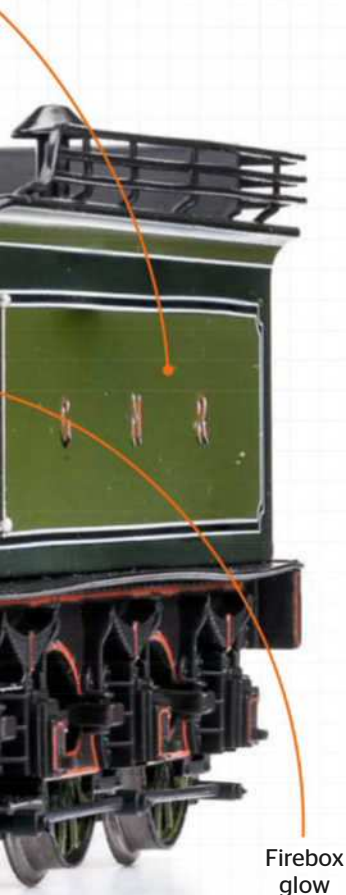
Expectations were high when the bright blue box, adorned

with the logo of Rapido and the NRM's baffling new 'Railway Museum' branding, landed in the office. We're pleased to say that we were not disappointed with what was inside.

Patrick Stirling designed several classes of 'Single' for the Great Northern Railway but it was the 53 locomotives with 8ft diameter driving wheels, built from 1870 until 1895, that you tend to think of when someone mentions 'Stirling

Single'. There were many differences between the 'eight footers' too. As befits a National Collection in Miniature model, Rapido has captured pioneer No. 1 as it is today.

Before we start to look at the model, let's delve into that blue box. Inside is the instruction manual, which has been written in Rapido's typical no-nonsense and humorous style. Rather than one bag of extra bits, you get two. One contains little metal



Firebox glow

discs to go on the driving axle ends. In the other, there are bogie splashers (largely for display models), brake pipes and coupling chains.

It's important that you read the booklet before taking the model out of the box as it is rather delicate and the brake linkage is particularly prone to damage. If you do break it, you'll have to follow the advice in the instructions. You'll find out what to do in the section 'I didn't read the bit about the brake rigging'.

Rapido laser-scanned No. 1 to ensure accuracy, and the resulting model compares well to drawings published in K.H. Leech and M.G. Boddy's *The Stirling Singles*. Judging the model against photographs of the real No. 1 reveals that Rapido has done a good job of capturing the curves and lines of the original. Our only criticism concerns the two recesses where the

Performance

There is one significant difference between the real Stirling 'Single' and the model – the model has two powered axles. Rapido has linked the driving and trailing axles with gears to overcome the perennial problem of a 'Single' – a lack of pulling power. Rapido Trains says that it tested the model with six coaches but we managed to get it to pull 13 Bachmann and Hornby bogie coaches on our test track, albeit with a bit of slipping to the train on the move. This is far in excess of what the prototype could be expected to haul.

No. 1 managed four coaches up the 1-in-60 incline and a single coach up the 1-in-30 incline. Around our complex pointwork it managed the streamlined points at medium speed and could cope with the set-track points at low speed without the bogie splashers attached. Be aware that if you are fitting the splashers you will need to adjust them based on your layout as the splashers will need to be adjusted according to the severity of your curves.

smokebox is fixed in place. No. 1's smokebox is so smooth and flush that even these tiny recesses stand out.

From the wire handrails to the cab fittings, the majority of the model is made of metal. This gives it a feeling of real quality.

CLEAN LINES

As Patrick Stirling styled his locomotives. Anything that could spoil the locomotive's lines was hidden away. What this means is that there's very little external detail to admire – but what there is is finely rendered. Even the injectors between the driving and trailing wheels are die-cast.

The more you look, though, the more you notice the smaller details. All the buffers are turned metal and sprung, and so are the two front tender buffers, probably the first time we've seen this on an RTR 'OO' gauge model. It also has a commendably thin hinged fallplate.

The 'Singles' were built before the words 'health' and 'safety' were regularly used in the same sentence, an era encapsulated by that wonderful open footplate. Indeed, this was a time when many footplate crews scoffed at the idea of roofs and cab side sheets. They made a locomotive, well, less manly.

But can you imagine what it must have been like in such an exposed position, with the locomotive bucking and swaying about, racing up and down the East Coast Main Line in 1888 and 1895? Attaining an average speed of 60.2mph between London and Grantham was no mean feat in 1888.

That cab really comes alive when you put the model on the layout, if fitted with a DCC

sound decoder (as our sample was). Considering that the sound files have been created from an amalgamation of archived footage and recordings, the output from the LokSound Select decoder is good, and not too loud.

Access to the 21-pin decoder socket is via two screws under the tender. They're not easy to access and you'll need a very slender and magnetic crosshead screwdriver. Lift the tender body from the rear to release two lugs at the front. Ours were very stiff and it took some force to lift the tender body clear.

TRANSITORY ISSUE

You might notice that our 'Single' is missing a guard iron, safety chain and that it lacks paint around the smokebox. Well, our sample was one of a batch specially airfreighted in ►



“From the wire handrails to the cab fittings, the majority of the model is made from metal. This gives it a feeling of real quality”

3 things we like



1

The connecting plug between the engine and the tender.



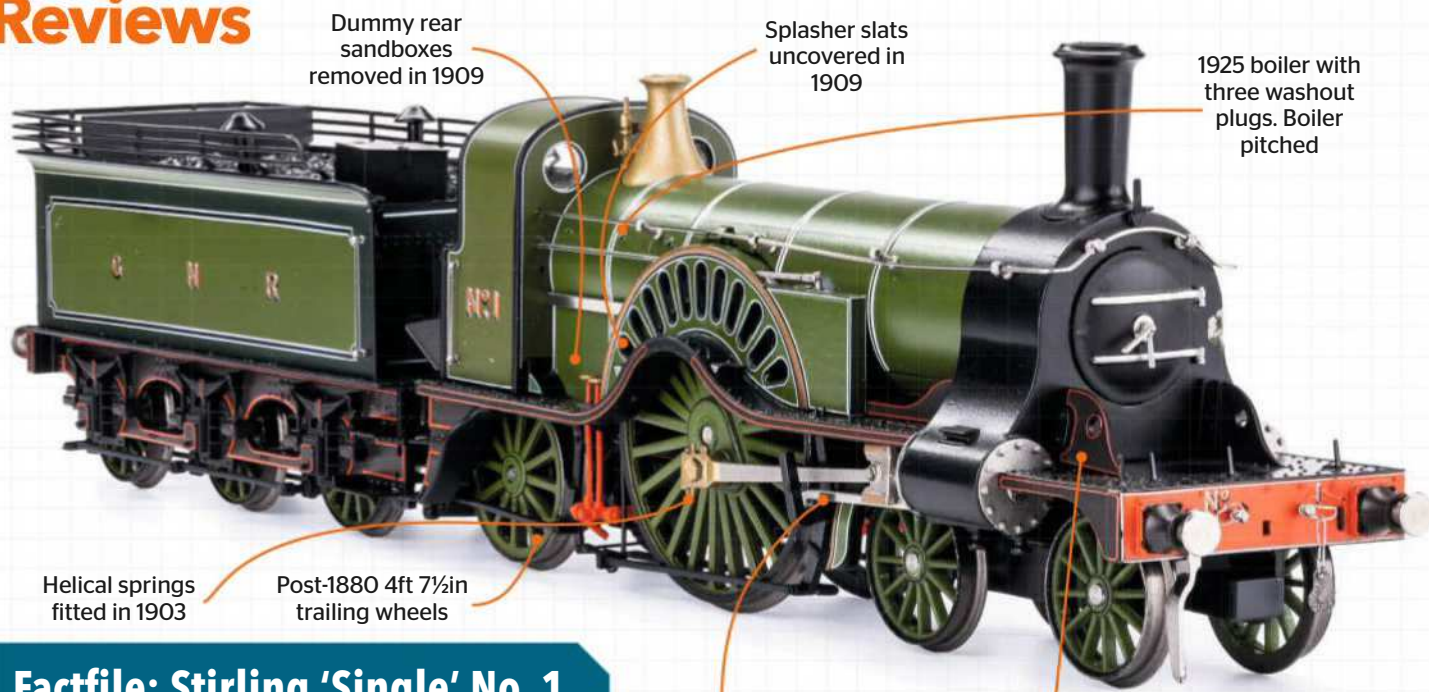
2

The 8ft 1in driving wheel that immediately draws your eye.



3

The detail on the cab interior. It just needs a crew!



Factfile: Stirling 'Single' No. 1

No. 1 was Patrick Stirling's first 4-2-2 with 8ft diameter driving wheels. It was built in 1870 and was followed by a further 52. But how No. 1 looks now is very different to how it was built.

The 'Single' was heavily rebuilt in 1880 with longer frames and a larger boiler. These modifications were incorporated into later builds and K.H. Leech and M.G. Boddy's *The Stirling Singles* is recommended reading for anyone interested in finding out more about these beautiful machines.

No. 1 was withdrawn in September 1907 but was not scrapped. It was kept aside and appeared once again in 1909 at the Imperial International Exhibition at Shepherd's Bush. An attempt was made to return No. 1 to original condition: the fake sandboxes behind the driving axle were removed, the slats in the splashers were uncovered and a set of 1870-type buffers fitted. However, No. 1 still retained most of its 1880 features, not to mention being paired with the tender from Sturrock 0-4-2 No. 112A of 1849. The 'Singles' never ran with this tender in service.

This is how No. 1 looked throughout the rest of the 20th century. However, an original Stirling tender was found near Peterborough that had been used as a water and sludge carrier. This was restored and has been paired with No. 1 since 2014.

Modified parallel style crossheads

Post-1880 frames: deeper than original and 8in longer

1 GNR No. 1 stands on the turntable in the National Railway Museum. It was finally reunited with a Stirling tender in 2014, after spending over 100 years coupled to a smaller and incongruous Sturrock tender. TONY FRENCH/ALAMY



2



2: No. 1 has been restored to steam three times: 1925, 1938 and again in the 1980s. It ran at the Great Central Railway in 1981/82 and at the North Yorkshire Moors Railway in 1985. The 4-2-2 works the 1140 Loughborough-Rothley on December 6 1981. STEAM RAILWAY COLLECTION

3: Stirling 'Single' No. 1 is joined by well-wishers in period dress at King's Cross before an RCTS railtour to Peterborough in September 1938. DAVE BAGNALL COLLECTION/ALAMY



3

advance for review. The packaging caused these issues – and the plastic frame extensions fore and aft of the smokebox were also loose. Rapido has assured us that this problem was spotted on the airfreighted samples and the subsequent packaging has been modified. We've also been assured that the badly fitted handrail is a one-off – your model should arrive in pristine condition.

FINE FINISH

Nothing can replicate painted metal like painted metal, and No. 1's finish has a really pleasing lustre to it. There is no bleeding of colours and the lining is very fine, particularly around the slots on the splashers, which complements the brass strip.

But is the GNR green too dark? The real No. 1's bright green really stands out but the model looks a little muted.

Reviewing a model is always a little tricky when they've all sold out before they've actually been made. After all, there's no point in saying that you should or shouldn't buy something if you've already handed over your cash!

While the majority of 'Singles' have been sold on pre-order, Locomotionmodels does expect to have a limited number left for general sale once all the pre-orders have been filled. Prices and availability have yet to be confirmed, but get on the phone quickly if you want one – they won't hang around for long. (CG)

REVIEW REFERENCE

◆ *The Stirling Singles* by K.H. Leech and M.G. Boddy (David & Charles, 1965)

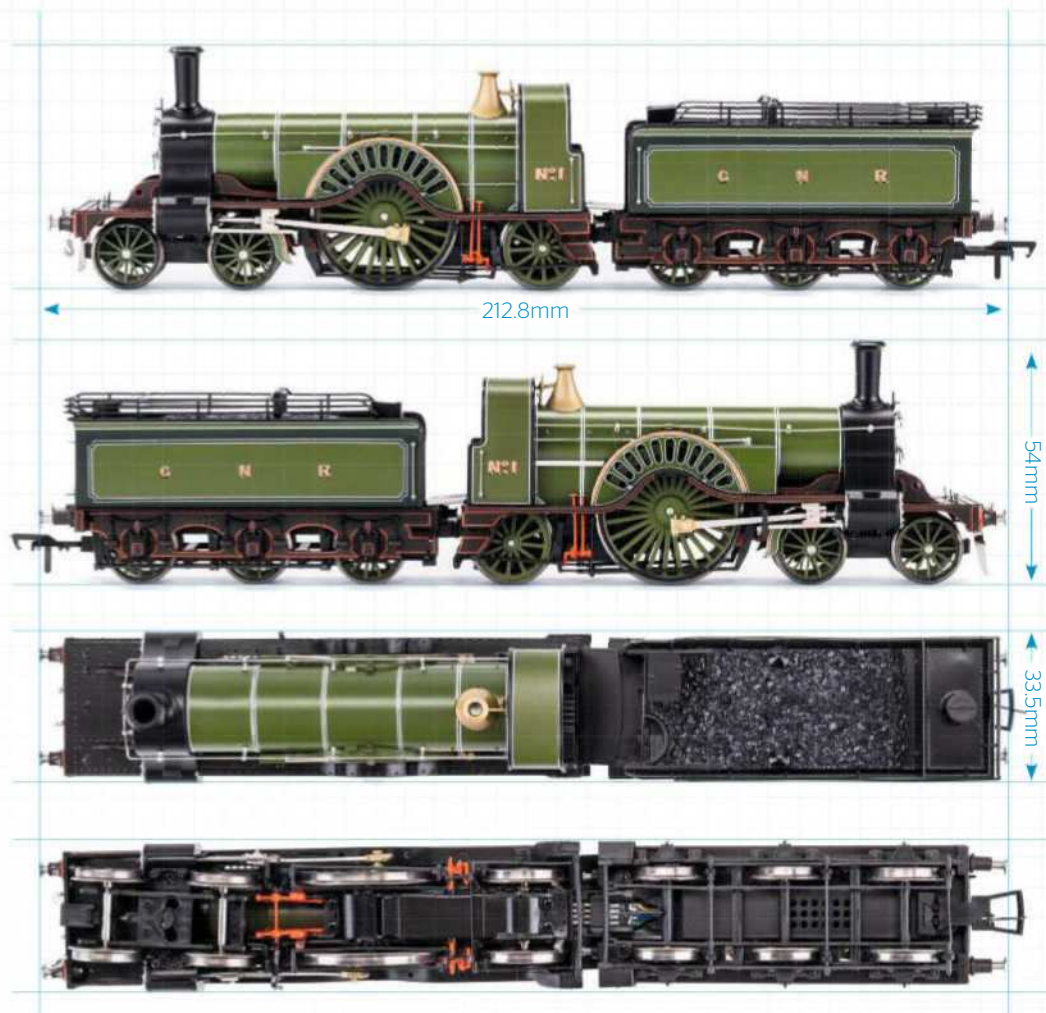
REVIEW VERDICT

PROS. Driving wheels are spot on, clever connecting plug.

CONS. Some parts are just too delicate.

LOOKS	9.5
PERFORMANCE	10
FEATURES	9.5
DECORATION	8
VALUE FOR MONEY	9

92%



RAPIDO STIRLING 'SINGLE'

OVERVIEW	ELECTRICS	DIMENSIONS	PROTOTYPE	1:76 SCALE	MODEL
Manufacturer: Rapido Trains	Electrical system: 12V DC two-rail	Length (locomotive only)	29ft 9in	120mm	122mm
Ref. No: 449373	Motor type: N/A	Height (over chimney)	13ft 4 1/4in	53mm	52.3mm
Unit No: 1	Lights?: No	Width (over running plate)	7ft 7 1/2in	31mm	30.4mm
Scale/gauge: 1:76 scale, 16.5mm gauge, 'OO'	DCC ready?: 21-pin socket	Wheel diameter (driving)	8ft 1 1/2in	32mm	31.3mm
Body: Die-cast metal with plastic parts	Current consumption	Wheel diameter (pony)	3ft 11 1/2in	15.6mm	14.3mm
Chassis: Die-cast metal with plastic parts	Max. speed: N/A Stalled: N/A	Wheel diameter (tender)	4ft 7 1/2in	18.8mm	17.4mm
Weight: 264g	MECHANISM				
Wheel back-to-back: 14.5mm	Drive system: Two powered axles				
Min. curve radius: 438mm (R2)	Flywheel(s): N/A				
	Traction tyres: No				
		SERVICING			
		How to dismantle: Two screws underneath tender.			
		Where to oil: Factory-lubricated.			

System builder Other items to complement this model...

EXHIBITIONISTS

Recreate the 1924 Wembley Exhibition by pairing No. 1 with *Flying Scotsman* – either Hornby's fully detailed version or its RailRoad model. Price: From £110.99 Availability: Hornby stockists or www.hornby.com



'DELTIC' RESCUE

No. 1 failed during a visit to the NYMR in the 1980s and was rescued by none other than 'Deltic' *Alycidon*! Renumber a blue Bachmann 'Deltic' to recreate the spectacle. Price: £264.95 Availability: Bachmann stockists

FOOTPLATE FIGURES

Rapido's model desperately needs a footplate crew (unless it'll live on your shelf). Order your crew from ModelU. Price: from £2.00. Availability: ModelU. Tel: 07887 803737. Web: www.modelu3d.co.uk



Dapol MJA opens - in

◆ GAUGE 'N' ◆ MODEL Dapol 2F-025-003 MJA bogie opens 550021/550022, Freightliner Heavy Haul green ◆ PRICE £37.95 ◆ AVAILABILITY Dapol stockists or www.dapol.co.uk

Hot on the heels of Dapol's 'OO' gauge MJAs (MR250) are the long-awaited 'N' gauge versions.

If anything, the 'N' gauge models are better than those in 'OO'. They manage to capture the big, bulky look of the real thing and yet retain the cuteness that all 'N' gauge models have. Like the 'OO' models, they still have

the shortened angled pieces under the solebars at each end, but this is nowhere near as noticeable in the smaller scale. They also have the same issues with the angles of some of the end pieces but, again, it's not as obvious.

The bodies are chunky and though there's more moulded

detail on this version than its larger cousin, the white handrails are separately fitted items.

There's a lot of fine underframe detail, with the rod that links the two handbrake wheels being particularly fine. However, the



NEM pockets

Dapol Maunsell Brake

◆ GAUGE 'N' ◆ MODEL Dapol 2P-012-654 Maunsell Brake Third S3231, BR crimson/cream ◆ PRICE £28.50 ◆ AVAILABILITY Dapol stockists or www.dapol.co.uk

Dapol has added a four-compartment Brake Third to its range of 'N' gauge Maunsell coaches. These Southern Railway vehicles are really rather lovely and this version matches the high standards found on previous Dapol releases (MR208).

This new model of a 61ft 7in by 9ft 3in four-compartment Brake Third, with the set number 397, provides another useful addition to the types already on offer. The fact that half the coach length is given over to the luggage and guard's compartments suggests that this was a vehicle intended for boat train and ocean liner express use.

Detail on the moulded plastic body is extremely crisp, with the 'torpedo' roof vents, commode handles and the (curious) partly recessed guard's lookout duck

all very well represented. Separate 'curly' handrails are fitted to the double doors in the brake section. The flush glazing helps to capture the character of the vehicle, despite the prismatic effect around the window edges. Corridor handrails and compartment-side 'No Smoking' labels are printed on the glazing.

The bogies are equipped with phosphor-bronze pick-ups for Dapol's lighting system and the side-frames are crisply detailed representations of the SR 8ft wheel-base 'steam' pattern. Brake blocks are aligned with the wheel treads. Wheels are blackened metal with fine treads and have pin-point metal bearings and insulated plastic axles, producing

a very free-running model.

The end gangways are flexible and pivoted, and the pack includes a connector by which adjacent vehicle gangways can

Moving gangways



NEM pockets

'N'



wheel should be more dished. The bogies are generally good, but the moulded brake blocks sit quite a way off the wheel treads. This is a minor niggle and more than made up for by the finish. Freightliner's green livery is well captured. The Heavy Haul logo is crisp and clear, but what's even better is that all of the tiny lettering is legible (even though

REVIEW VERDICT

PROS. Looks, finish, price.

CONS. Some shape issues, otherwise nothing of note.

LOOKS 8

PERFORMANCE 9

FEATURES 9

DECORATION 9

VALUE FOR MONEY 9

88%

you'll need a magnifying glass to read it). NEM coupler pockets are mounted on sprung cams. You get a coupling bar that clips into them - MJAs are run in permanently coupled pairs - and, despite weighing just 32g for a pair, they performed faultlessly on our test track. They even coped with tight Peco pointwork at speed. Overall, these are a very welcome addition to the ranks of modern image ready-to-run 'N' gauge rolling stock. **(RF)**

Third



be linked. The underframe trusses, battery boxes, brake cylinder and dynamo are all present and neatly represented. So too are the end drop-steps and oval buffers. The colours used for the BR crimson and cream are, to my eyes, a little on the dark side, perhaps best representing

REVIEW VERDICT

PROS. An unusual and useful vehicle.

CONS. Nothing of note.

LOOKS 9.5

PERFORMANCE 9

FEATURES 9

DECORATION 8

VALUE FOR MONEY 9.5

90%

a vehicle that has received its fair share of steam-era 'weathering'. Overall it looks good though, and the gold/black lining and limited lettering (Guard, Load 2 tons and number S3231) are all neat and legible. So too is the end data panel giving the dimensions, weight and 'Restriction 4' marking. All in all, another very nice 'N' gauge offering from Dapol and a welcome addition to the range of 'N' gauge coaching stock. **(CJL)**

Sparmax Zeta Compressor

◆ **MODEL** Sparmax Zeta Compressor ◆ **PRICE** rrp £199.00
◆ **AVAILABILITY** The Airbrush Company, 01903 767800

Sparmax has offered a number of innovative entry-level airbrush compressors in recent years and this latest release, the stylish Zeta, is aimed at modellers who intend to use their airbrush on a fairly frequent basis.

The 'guts' of the oil-less piston compressor are housed in a tough steel enclosure, with a powerful 1/4hp motor providing a maximum output of 60psi. No reservoir tank is provided, but the unit features a patented 'Smart Stop' system built in to the neat airbrush holder.

Each time the airbrush is replaced in the holder, the motor automatically switches off; restarting again when the 'brush is picked up. Crucially, there are no fluctuations in the air pressure when the unit is switched on or off, leaving the airbrush ready for instant action.

Furthermore, as the motor runs only when the air is needed, the compressor can be operated for longer periods, meaning reduced wear and tear on the moving parts.

Another unique feature is the separate pressure gauge and moisture trap assembly, which is integral to the airbrush holder and 'Smart Stop' switch. This allows the airbrush and pressure gauge to be readily accessible, with a clamp provided for mounting to the workbench. The compressor unit can then be stored on a shelf or worktop - no more kneeling on the floor to adjust the air pressure!

The twin air hoses and electric cable, linking the compressor with the tall airbrush hanger and



pressure gauge unit, make for a slightly unwieldy combination. However, the compressor is simple to operate, quiet, and the air flow is smooth and reliable, with no perceptible 'pulsing'. It's suitable for all manner of painting tasks, from scenic work and overall livery coats to precise weathering jobs, especially on modest-sized models ('OO' and 'N' in particular). All hoses and connections are supplied; all you'll need are an airbrush and paint. Build quality is admirable, and a two-year warranty is provided for added piece of mind.

While serious airbrush users might be better served with a more powerful unit, this competitively priced compressor is especially suited to beginners and those wanting to spend an hour or two painting on a daily basis. **(GD)**





Linked to the four-aspect signal in the distance, the banner repeater shows the horizontal display when the signal is at 'danger'.

Absolute Aspects Banner Repeater Signal

◆ **GAUGE 'OO' MODEL** Post-mounted Banner Repeater signal **PRICE** £60.00 **AVAILABILITY** Absolute Aspects, 07788 255126, www.absoluteaspects.com

Absolute Aspects offers a wide range of colour light signals for modellers of the post-steam era. Ranging from the traditional two, three or four-aspect signals - mounted to posts or brackets - they also offer ground position signals and modern SPAD (signal passed at danger) indicators and multi-aspect signals, with all manner of junction and route indicator options. Products are available for 'OO' and 'O' gauges, along with a limited range for 'G' scale.

One of the latest releases for the 'OO' market is the post-mounted banner repeater signal. Like the rest of the range, the signal has been designed with

realism, ruggedness and ease of use in mind. Supplied fully assembled and finished, there is no complicated wiring to worry about as it comes with its own printed circuit board (PCB). All you need to do then is cut a mounting hole in the baseboard and connect the power feeds to the screw terminals.

The signal is linked to the PCB via an eight-pin connector, allowing the PCB to be secured to the underside of the baseboard, while the signal is 'planted' from above. Removal for future maintenance is therefore a simple matter.

The signal certainly looks the part and, once connected and illuminated, adds an extra level of

realism to a modern layout. Banner repeaters are seen at many locations on the network (see panel), so this new release is a welcome addition to the excellent Absolute Aspects range. An unmounted version is also available (£50.00) for use on a suitable bracket.

In order to demonstrate the working of the banner repeater, in conjunction with a colour light signal, I used an existing diorama that includes a curved section of track. Readers will have to ignore the siding that joins from the left between the two signals, as this wouldn't happen in reality.

The following demonstration reveals how simple it is to install both signals, with the circuit boards of each featuring screw terminals and multi-pin connections. Indeed, apart from the connections to the four-way slide switch, no soldering was required and the whole job took only a couple of hours. By employing a suitable switch and crimped 'spade' wire connectors, it's possible to forego soldering completely, if desired. (GD)

Once the signal switches to a yellow, double-yellow or green aspect, the banner repeater automatically moves to the 'off' position.



What you will need

TOOLS NEEDED

- ◆ Drill and bits
- ◆ Chisel
- ◆ Screwdrivers
- ◆ Soldering iron and equipment (optional)

ESSENTIAL POWER SUPPLY

- ◆ You'll need a reliable 12V DC supply to power these signals, such as the M1DC cased transformer from Gaugemaster. Tel: 01903 884321 Web: www.gaugemaster.com

REVIEW VERDICT

PROS. Looks, realism, ease of use, automation, useful prototype.
CONS. Nothing of note.

3 hrs



STEP BY STEP



1

The post-mounted banner repeater, like all Absolute Aspects signals, comes pre-assembled and wired with its own PCB. For this test, I also employed a four-aspect stop signal (£50.00).



2

A choice of two ribbon cables was provided to link the banner repeater to its signal, via ten-pin connectors. I chose the longer cable and set out the distance between the signals to match it.



3

Having marked the signal's location on the baseboard, two 8mm diameter holes were drilled carefully side-by-side. A vacuum cleaner was kept on hand to remove the debris.



4

A sharp chisel formed the holes into a rectangular aperture, with a little help from a mallet. The circuit board and signal were test-fitted at regular intervals until a snug fit was achieved.



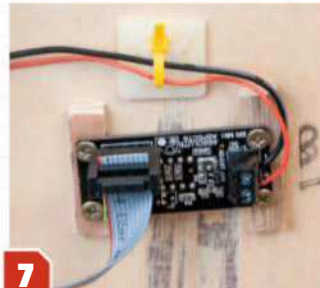
5

Depending on the thickness of your baseboard and track underlay, it may be necessary to add non-conductive washers between the PCB and the underside of the boards. I used offcuts of plywood.



6

Drill pilot holes for the mounting screws, after checking that the PCB is oriented correctly. A notch in the eight-pin connector, between signal and PCB denotes the forward-facing aspect. Don't over-tighten the screws.



7

Slot the signal into the PCB from above the baseboard. Wiring is simple: the red and black cables link directly to the 12V DC power supply and the ten-pin ribbon cable leads to the associated four-aspect signal.



8

The four-aspect signal is installed in the same way, cutting a suitable aperture and securing the PCB to the underside of the baseboard. Take care when slotting the signal into the PCB to avoid bending the connector pins.



9

The signal's PCB receives the other end of the ribbon cable, plus a common negative from the 12V DC supply. Red, yellow, orange (double yellow) and green wires relate to the signal aspects.



10

A four-way rotary or slide switch is required. The positive feed from the 12V DC supply goes to the common terminal, followed by the four coloured cables for the signal's aspects.



11

I used a cased 12V DC transformer as a power supply, with the positive and negative feeds being connected to the screw terminals. Two separate outputs are provided on this unit.



12

Test the signals; the banner repeater should show the angled 'off' display when the associated signal is set to any aspect other than red. Reverse the ten-pin ribbon connector at one end if the relationship is incorrect.



13

When the signals are working correctly, the bases can be blended into the lineside. I filled the gaps with scraps of cork sheet, cut to form 'plugs' to prevent the fresh ballast from falling onto the PCB below.



14

After double-checking with a set square that the signal posts were standing straight, the ballast was secured with PVA adhesive, diluted slightly with water and a drop of washing-up liquid.

What is a banner repeater?

Banner repeaters (or 'BRs') are necessary when a signal is obscured by buildings, overbridges, tunnels or tight curves, thus reducing the sighting distance for drivers. Replicating the horizontal or angled orientation of upper quadrant semaphore signals, they simply give an advanced indication of whether the approaching signal is at danger or 'off' (at any aspect other than red).



This bracket-mounted banner repeater also includes a 'right away' indicator box. Sited at the end of the tightly curved Platform 0 at Stockport, the 'BR' is required due to the associated signal being out of the driver's view. GEORGE DENT



DCCconcepts Alpha Mimic ground signals

◆ **SCALE** 4mm:1ft ◆ **MODEL** DCCconcepts DCD-MGS-BR with 12 x BR three-aspect ground signals ◆ **PRICE** £99.95 ◆ **AVAILABILITY** DCCconcepts stockists or www.dccconcepts.com

DCCconcepts has a reputation for developing new model railway technology, and these new Alpha Mimic ground signals are typical of the innovative gadgets for which it's become known.

Ground signals give protection to points without a corresponding main signal. DCCconcepts' colour light

ground signals come in three main LMS/BR types - two, three and four-aspect. In addition, there is a pack of two-aspect US signals in 'HO'.

It's the word 'mimic' that differentiates these signals from other colour light offerings. The idea is that they are wired to your existing points and become a visual indication of their position. They are not a set of



Left: The Mimic board, mounted on top of the base-board. The ground signals reached the board easily while the three to the right needed extending.

Above: We received two packs of Alpha Mimic signals. One contains the Mimic board and British-style ground signals. The second pack contains alternative ground signals and two-aspect green/red signals, ideal for trains exiting sidings.



To the left is the British-style ground position signal, while the simple two-aspect signals control the exits to the yard sidings.

“DCCconcepts offers wire extension packs and connectors for those who hide under the table at the mere mention of the words ‘soldering iron’”

signals to be switched independently - they are only switched by the movement of the points.

You might think that such a system would be incredibly complicated to install and set up, but it's not, because everything is pre-wired. You simply plug the ground signal into the corresponding socket on the control unit, and it works.

SOLDER-FREE OPTION

If your point is further away from the control unit, then you might need to extend the wires with a bit of soldering. DCCconcepts can sell you the correct wire if you want to do this yourself, but it also offers wire extension packs and connectors for those who hide under the table at the mere mention of the words 'soldering iron'.

There really is no need to be afraid of the wiring. It's very straightforward and the signals are simple to install.

Firstly, decide on the best position for the Mimic control unit. It's best situated on the front face of the baseboard, or on the surface if you have the room, as you will need access to it if you want to change any of the numbers. The pack includes comprehensive instructions that explain all the moves, and show

you how to alter the numbers you can allocate to different signals that correspond to your existing point numbers.

Once you have decided on the position, you can start planting signals.

Drill a hole in the desired area (imagine you're the driver looking for the signal), thread the signal wire through the hole, take it back to the panel and plug it in. There is provision for 12 signals per unit but additional panels can be added if need be.

To make the panel live, simply attach two wires to your bus-bar supply voltage and it instantly comes alive. Check the number that your point operates to, plug the signal into the corresponding socket, change the point and the signal changes.

Overall, this is another excellent addition to the DCCconcepts range and a must for anyone who wants to bring some realistic, and easy, operation to their layout. (DL)

REVIEW VERDICT

PROS. Easy to install, effective, brings extra realism to your layout.
CONS. Nothing of note.



Are you building a new layout or are there running problems with the one you have? For far less time, cost & effort than you may imagine, DCCconcepts PowerBase will improve performance.

DCCconcepts PowerBase Guarantee

Add PowerBase under all of your track, install it all correctly and we promise everything will work better. **GREATLY REDUCED** need for track cleaning... for all model railway layouts, big & small, simple or complex. **IMPROVED** quality of loco performance, with smoother running and tracking, especially for your smaller locos. **SIGNIFICANTLY** better power pickup consistency for all locomotives and stock with lighting or power needs. **MASSIVE** pulling power improvements... on gradients and on the flat - often doubling usable train length with no slipping to a stop irrespective of the locomotive type.



Starting with PowerBase

PowerBase is very low cost, and enough for all track on the average layout will cost less than most locos.

Once you're ready to go, it is a simple 3-step process: **INSTALL** PowerBase plates on to the track-bed... a simple job using only glue, some weights & a little time.

LAY your track normally... place the track on top of the PowerBase plates, fixing it with glue (or pins if you wish).

ADD the PowerBase Magnets... to your locomotives, so that they are as close as is possible to the rail-head. You will not even have to take the top of the loco off to do it and installation can often be done in less than two minutes!

**DCCconcepts Ltd., Unit E, The Sidings
Settle, North Yorkshire BD24 9RP UK**

We welcome modellers & knowledgeable, specialised dealers who care about their customers from all around the world.

**Ph: +44 (0)1729 821 080 (7 days)
sales@dccconcepts.com
www.dccconcepts.com**





Revolution Trains Class B tank wagons

◆ **GAUGE** 'N' ◆ **MODEL** Revolution Trains N35T001 Esso black; N35T002 unbranded black; N35T003 Mobile Charringtons red; N35T004 Regent black ◆ **PRICE** See text
 ◆ **AVAILABILITY** See Revolution Trains' website for stockists (www.revolutiontrains.com)

Tank wagons are one of those railway subjects where there are myriad versions and variations that can leave the uninitiated somewhat perplexed.

Wagon builder Charles Roberts of Wakefield worked with BR and Esso to develop a higher capacity tank wagon that could run at post-war speeds. The result was the 35t tank introduced in 1957. It sported a 15ft wheelbase capable of running at 60mph and the welded tank was mounted on four anchor points. The design could carry Class A fuels - essentially refined products such as petrol - and Class B heavy oils (such as diesel fuel). If you want to find out more on this fascinating subject, David Ratcliffe's *Modern Private Owner Wagons on British Rail* is probably the best place to start.

These wagons had a huge impact on 1950s rail freight. There are several offerings in 'OO';



either already available or in development, but nothing in 'N'.

That's where crowdfunding specialist Revolution Trains came in - it successfully raised the funds to produce an 'N' gauge version, and the result is one of the finest 1:148 scale four-wheel wagons produced to date.

The first thing you notice is how heavy they are. There's a hefty metal weight inside the tank body and they tipped the scales at 17g each.

The shape of the welded tank is really well captured and is complemented by some fine printing. We received four samples and Mobil/Charringtons red was arguably the pick of the bunch, thanks in part to its handsome red colour scheme.

The best area is the under-frame. It's really fine with lots of daylight visible between the central spine and the solebars. All the pipes, linkages and vacuum tanks are where they should be.

Revolution has offered original and later spring arrangements. The brake blocks are impressively in line with the wheel treads and the NEM pockets are mounted on cams. The turned, blackened metal buffers are impressive and look as though they're sprung - but they're not.

Three of our four samples performed superbly on Peco Code 80 track. They coupled well with Graham Farish rolling stock and ran smoothly through tight Peco pointwork, even at speed. However, our Charringtons red wagon suffered from a sticking cam and a drooping NEM pocket, and refused to couple. This is probably an isolated incident but worth checking before you buy.

These really are beautiful little models and, unlike

some crowdfunding projects, you can buy Revolution Trains' Class B tanks through its eight dealers. Rails of Sheffield, for example, is offering the Class Bs at just £26.95, which compares well to similar wagons from other manufacturers.

Recommended. (RF)

REVIEW VERDICT

PROS. Attention to detail, shape, features, finish, price.
CONS. Nothing of note.

LOOKS	9.5
PERFORMANCE	9
FEATURES	9
DECORATION	9
VALUE FOR MONEY	9.5

92%





The most reliable turnout motors ever.

Every single batch of Cobalt iP series and Omega turnout motors is fully life-tested. Every test we do is counted using a motor's own switches so we are testing them as well.

Acceptance happens only when we have simulated more than 100 years constant operations on a very, very busy club layout.

That's why we offer lifetime warranty on Cobalt iP & Cobalt Omega motors!

"World's best" for good reasons!

When we set out to create any new product, it has to be better, different... or simply easier to use for the average modeller.

We don't compromise for the sake of costs so all materials are MIL spec or better, electrical contacts are 24k gold plated and all of the switch tracks are hard gold plated.

Plastics are all special engineering types not the usual polystyrene and every item we make is tested more than once before packing.

That's why we confidently offer such generous warranty and "Industry Best" customer service assistance to help you get the best from them.



Cobalt-S Levers

Over 140mm high, Cobalt-S levers are very comfortable to use and look really good when painted like the real thing.

Brass numbers and cast "top trims" are included with them to add to the realism.

These brass levers ooze quality. Each of the 3 switches have 24k gold contacts for a very long life.

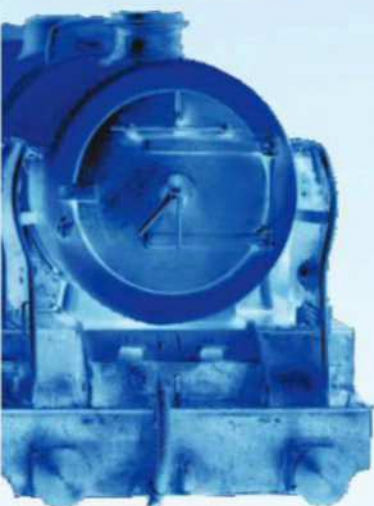
Cobalt-S levers are the best there are!

Cobalt-SS ultra-small motor drive turnout motor ready to go "as is" to use with either DC or DCC.

This motor is so small it can be almost hidden in the ballast, yet it is strong enough for all common scales.

Very stable stepper motors provide the drive power.. and all the power and control connections are plug-and-play.

Economical as each control output handles 2!



The club room

Be a part of the *Model Rail* community – get involved today.
E-mail: theclubroom@bauermedia.co.uk



The guest chairman

It started on a table top in a factory, and now has close links with Locomotion – Shildon. **Kenny Dempster** recounts the club's history.

Society: Shildon Model Railway Club
Established: 1982
Location: Shildon
Chairman: Kenny Dempster



Shildon Model Railway Club had very modest beginnings. It began as 'The Hackworth Society', named after one of Shildon's early railway pioneers, Timothy Hackworth, and was started in 1982. We began meeting in a factory with a table top and second-hand train set. By 1986, we were able to display our first layout. It was named 'Sodham Hall' as a snub to those who thought we would never succeed! This double-track freelance rural tail-chaser was exhibited at numerous shows.

Our second layout was much more ambitious. It depicted an urban scene with a large through station, branch line and engine shed. It was named 'Furness Road' and it became a popular and prize-winning layout on the local circuit. The layout which followed was a semi-prototypical scene based on Northallerton Station and was named 'Allerton Junction'.

The club changed its name during the 1980s to give it a closer association with this historic railway town. In its 36-year history, the club has changed premises several times and our workshop is now safely ensconced in the Surtees Arms in nearby Ferryhill, where we meet every Tuesday evening from 1900.

The club has always regarded exhibiting layouts as an important activity and we have taken ours as far as the NEC in Birmingham, Glasgow, and even the Isle of Wight.

Our members range from novices to layout veterans, and they include experts in electrics and modelling. A number are retired railwaymen, who are also volunteer helpers at the museum. Through them we have developed an extremely friendly relationship with Locomotion, the National Railway

Museum's Shildon outstation, and we are extremely grateful for its help and co-operation.

Our first organised exhibitions began at Shildon's Civic Hall but we were kindly allowed to host our two annual exhibitions (in June and October). The latter is our primary show.

These are extremely well attended. Last year, we had almost 4,500 visitors over two days. We have the additional advantage of being able to offer free entrance to the exhibition, at which you can also see the museum exhibits while examining the layouts and the various stalls. Steam rides outside the museum are very popular, especially with our younger visitors. There is also a restaurant on the premises where visitors can relax.

In addition, a number of members have their own layouts, some of which have won 'best in show' awards at various exhibitions. Members not running the club layouts can often be found lending a hand at these.

We also have a working model of Shildon station as it was in the age of steam. This is run frequently during the year at the museum, from 1000 to 1700.

We are pleased to welcome new members, whether they are simply curious about modelling or experienced layout builders.

Anyone interested in joining us should contact our secretary Liz Arrand on smrc_liz@yahoo.com

E-mail: smrc_liz@yahoo.com

Web: www.shildonmrc.com/index.htm



Present your case

Your opinions on the Thompson 'A2/3' 4-6-2, proposed by Keith Bryant in *Model Rail* 249.

www.facebook.com/modelrail



Yes please! Missing one on my 1960s ECML layout!

Mike Smith

Yes please *Model Rail*. This is an engine class I've been interested in but too scared to build. If someone released a RTR model I would be very, very happy.

James Crouch

Where do I send my money? I'd like all three Thompson 'A2'

types to be available RTR but the 'A2/3' is the one I need most. I'd like the early versions with the rimless chimney (No. 60512 *Steady Aim*). Some also ran with Peppercorn boilers (e.g. No. 60515 *Sun Stream*).

Matthew Stirling

I can't understand why the 'A2/3' has not been done - nor the 'A2/2' or 'A2/1'. Essential for ECML modellers depicting the

1940s to mid-1960s.

David West

Though controversial and unconventional in appearance, the Thompson 'Pacifics' have a certain mystique. A model would fit in well with the rest of the top link ex-LNER motive power already available. They'd certainly make an eye-catching addition to any fleet.

Jaymz Hatstand

Letters

American dream

In MR245, Richard Foster mentioned his dissatisfaction with tension lock couplings, and I know Chris Leigh opted for Kadee products.

I have now changed over to Kadee couplers after getting tired of inconsistencies with tension locks. Despite (or perhaps because?) they are American they are beautifully crafted and work an absolute dream - so thank you for bringing them to my attention.

Peter Smith

Transferable idea

Every year I see both Bachmann and Hornby reissuing rolling stock with product suffix letters that often only identify that the wagon or coach is being reissued with a different running number. Instead of doing this, wouldn't it be great if these companies supplied rolling stock unnumbered but with a small sheet of Pressfix-type transfer numbers and regional letters for the user to apply?

Kitmaster and Tri-ang did this some 50 years ago with their CKD coach kits, and Darstaed is now doing it with its new 'O' gauge BR Mk 1 coaches, so why can't the major 'OO' gauge manufacturers do it?

Mark Collier



Caption That Pic!

Last month we asked you to caption a picture from the layout 'Clifton Bridge Station' and we received some superb suggestions. The reader who made us laugh the most was Robert Clark, so congratulations! This month we want you to caption this picture from 'Shap Wells', which will be posted on our social media channels. Remember - it's just for fun!

Last month's responses

"This station had better get disabled access soon!" **Stuart Fairburn**

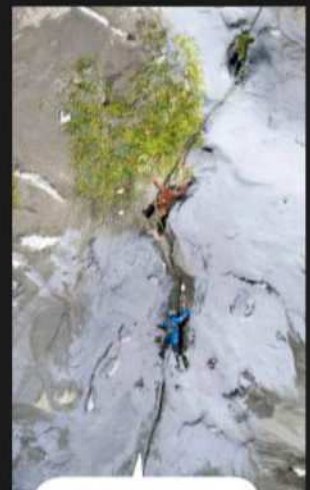
"I know you said let's get plastered but this is just silly." **Tina Cairine Dee**

"The things we do for heritage steam videos." **Philip Tidy**

"I wish that I'd subscribed to *Model Rail* magazine - it's a long climb up to the newsagents." **Robin Sharman**

"Don't think the overhead catenary needs to go this far up." **Sheepie Shaun**

"Wish I'd stayed with 'N' gauge, this up-scaling is harder than I imagined!" **Matthew Stirling**



"There must be an easier way to get to the replacement bus service..." **Robert Clark**

Show & Tell

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

Still learning

Les Cliff

I began building this at the age of 50, a mere ten years ago. It's purely fictional and covers approximately 30sq. ft. It is in the basement of my framing gallery in Bolton and it still isn't finished! The recession put it on hold from 2007 until 2014, but recently I've been making a lot of progress.

I used to own some Tri-ang Hornby models in the 1960s, and also some Lone Star items. I'm still on a learning curve and admire many of the model layouts I see. This may not appeal to the purists and the 'rivet counters' - no disrespect intended - I also admire their attention to detail.



Trip down memory line

Paul Machin

My model railway is set in the 1970s and is a fictitious place showing various memories of my youth. It is set in the Western and Southern regions and 'Crow Arch Lane' is in Ringwood, on the Castleman's corkscrew. I hope that you and the readers like it.



Bit part

Clive Hardwick

The Northampton Royal Theatre and Opera House was opened in 1884, designed by the renowned Victorian theatre architect C.J. Phipps. This entrance is the only part of the theatre that can be seen from the road. The model is constructed mainly from styrene with a few whitmetal pieces thrown in. It is a gap-filler, destined to fit neatly between a couple of my larger buildings.



What a coincidence!

Peter George

I purchased the Dapol Windmill kit way back in 2001. Then I moved to Canada where I was going to construct a 'OO' gauge layout but, for many reasons, that never happened. We returned to the UK in 2014 and in 2016 I finally started to build a layout in our loft. About a month ago I was going through my kit collection and pulled out the windmill to have a look at. Just three days after I started to build it my copy of *Model Rail* arrived

and, lo and behold, there was Chris Nevard's article!

I had already assembled the top so was unable to follow his advice about the windows. My paint scheme is more like an



Image of an actual windmill that I found on Google, and very similar to the photo in the article itself. They say that there is no such thing as a coincidence, but I think this proves them wrong.

Small wonder

Kevin Grange

The item by Chris Nevard in MR246 ('Make a layout to fit in a box') caught my attention and gave me the inspiration to produce a compact layout after I had stalled with my current layout build.

I model in 'N' gauge simply because of the smaller size and space considerations at home.

The layout challenge set by Chris inspired me to have a go, but in 'N' gauge, and with a few tweaks.

Attached are a few photos taken on my phone of the completed layout. I have tweaked it so I can operate two small shunters and/or a tank engine to shunt a small selection of wagons via the use of isolating sections and so on.

I apologise to Chris for pinching his idea but I have thoroughly enjoyed



building this (it's only the second layout I have ever built) and it has given me useful practice since

my last build two years ago.

I look forward to seeing more of his compact or micro layout ideas.



Exhibition Diary

What's on in your neck of
the woods this month

AUGUST 4

MINEHEAD. Exmoor Coast Railway Modellers 'Exmoor Rail'. The Minehead Eye, Mart Road, Minehead TA24 5BJ. **Time:** 1000-1630. **Admission:** Adult £5.50, Child £1.50, Family £12.

HUDDERSFIELD. Pennine MRS MRE. St Philips Community Centre, Briarllyn Road, Birchencliffe, Huddersfield HD3 3NL. **Time:** 1000-1700. **Admission:** Adult £4.50. **Tel:** 07787 840672.

AUGUST 4-5

REDCAR, CLEVELAND. Cleveland MRC MRE. Redcar & Cleveland College, Corporation Rd, Redcar TS10 1EZ. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £4.50, Child £3.50, Family £12.50. **Tel:** 07864 880242. **Web:** www.clevelandmrc.club

AUGUST 5

ASHMANHAUGH, NORWICH. Ashmanhaugh Light Railway Open Day. East View Farm, Stone Lane, Ashmanhaugh NR12 8YW. **Time:** 1400-1700. **Web:** www.ashmanhaughlightrailway.co.uk

AUGUST 8

BISHOPS LYDEARD, SOMERSET. Taunton MRG MRE. Bishops Lydeard Station, Platform 1, West Somerset Railway, Taunton TA4 3BX. **Time:** 1030-1630. **Admission:** Adult £1.50, Child 50p. **Tel:** 07879 852736 **Web:** www.ukmodelshops.co.uk

AUGUST 9

WELLING, KENT. The Association of Bexley Charities '78 Charity Toy and Train Fair. The Falconwood Community Centre, 32 Falconwood Parade, The Green, Welling, Kent DA16 2PG. **Time:** 1730-2130. **Admission:** Adult £1.50.

AUGUST 11

BEXHILL-ON-SEA, SUSSEX. Bexhill MRC MRE. St Richard's Catholic College, Ashdown Road, Bexhill-on-Sea TN40 1SE. **Time:** 1000-1700. **Admission:** Adult £5, Child £2, Family £12. **Web:** www.bexhillmrc.org.uk

HEYWOOD, LANCs. Heywood MRG Open Day. Club Rooms, Unit 4, Park Works, River St, Heywood OL10 4AB. **Time:** 1000-1600. **Web:** www.hmrg.co.uk

MILTON KEYNES. Silverfox MRC MRE. Oakgrove School, Brickhill Street, Milton Keynes MK10 9JQ. **Time:** 1000-1600. **Admission:** Adult £6, Child £2. **Tel:** 01908 225249. **Web:** www.silverfoxdcc.org

AUGUST 11-12

PAIGNTON. Wessex Association of Model Railway Clubs. Torbay Leisure Centre, Penwill Way, Clennon Valley, Paignton TQ4 5JR. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £6. **Tel:** 01225 774440. **E-mail:** pybus@btinternet.com

ST ANDREWS, FIFE. St Andrews MRE. St Andrews Town Hall, Queens

Gardens, St Andrews KY16 9TA. **Time:** Sat 1000-1730, Sun 1030-1700. **Admission:** Adult £4, Child £2.50.

WELLS, SOMERSET. Railwells 2018 including Scalefour Southwest. MRE. The Town Hall, Market Place, Wells BA5 2RB. **Time:** Sat 1030-1730, Sun 1000-1630. **Admission:** Adult £6, Child/Concession £4. **Tel:** 01749 938362. **Web:** www.scalefour.org

AUGUST 12

ABERAERON, WEST WALES. West Wales MRE. Llwynelcyn Memorial Hall, 2 miles south of Aberaeron, SA46 0HF. **Time:** 1000-1630. **Admission:** Adult £4, Senior/Child £3.50, Family £10. **Tel:** 01545 571634.

AUGUST 15

BISHOPS LYDEARD, SOMERSET. See August 8.

AUGUST 18

BISHOPS STORTFORD. Bishops Stortford Railway Society MRE. Sports Hall, Birchwood High School, Parsonage Lane CM23 5BD. **Time:** 1030-1630. **Admission:** Adult £5, Child £2, Family £10. **Tel:** 01279 503511.

LUDLOW. Craven Arms & District MRC MRE. Ludlow Racecourse, Bromfield SY8 2BT. **Time:** 1000-1600. **Admission:** Adult £3, Child £2. **Tel:** 01588 672145.

NORTHAMPTON. Northampton & District MRC MRE. Cogenhoe Village Hall, York Ave, Cogenhoe, Northampton NN7 1NB. **Time:** 1000-1630. **Admission:** Adult £3, Child £2, Family £8. **Tel:** 01604 890275. **Web:** www.nmrc.org

AUGUST 18-19

CRICH, DERBYSHIRE. The National Tramway Museum, Crich, Matlock DE4 5DP. **Time:** 1000-1700. **Tel:** 01773 854321. **Web:** www.tramway.co.uk

PICKERING. Pickering MRE. Memorial Hall, Potter Lane, Pickering YO18 8AA. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £5, Concession £4.50. **Tel:** 07710 451409. **E-mail:** exhibition@sdrmmweb.co.uk

ROSS ON WYE. The Rotary Club of Ross on Wye MRE. John Kyrle 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

SWANAGE, DORSET. Isle of Purbeck MRS. Harmans Cross Village Hall, Haycrafts Lane, Harmans Cross, Swanage BH19 3EB. **Time:** 1000-1630. **Admission:** Adult £5, Child £2, Family £12.

AUGUST 20

GUILDFORD. Astolat MRC Open Day. National Trust, Dapdune Wharf, Wharf Road, Guildford GU1 4RR. **Time:** 1100-1700. **Admission:** Adult £3.95, Child £2.30, Family £11.50. **Tel:** 01483 722098. **Web:** www.astolatmrc.co.uk

AUGUST 22

BISHOPS LYDEARD, SOMERSET. See August 8.

AUGUST 25

INVERNESS. Inverness MRC MRE. Jurys

Inn Hotel, Millburn Rd, Inverness IV2 3TR. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £5, Child £2, Family £10.

LONDON. Hillingdon Railway Modellers Open Day. Yiewsley Baptist Church Hall, 74 Colham Ave, Yiewsley, Hillingdon UB7 8HF. **Time:** 1000-1600. **Admission:** £4. **Tel:** 0208 368 4090. **Web:** www.hillingdonrailwaymodellers.co.uk

AUGUST 25-26

BELFAST. Ulster MRC MRE. Methodist College, 1 Malone Road, Belfast BT9 6BY. **Time:** Sat 1000-1700, Sun 1300-1700. **Admission:** Adult £4, Concession £3, Child £2, Family £10. **Tel:** 07712 261647.

Y PLAS MACHYNLLETH. Corris Railway Society MRE. Y Plas Machynlleth SY20 8ER. **Tel:** 01745 337821. **E-mail:** billnewton@corris.co.uk

HAWICK. Hawick & District Railway Society. The Auld Baths, Bath Street, Hawick TD9 7DP. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £4, Child £2, Senior £3. **Tel:** 01450 374363. **E-mail:** renwhk@aol.com

HIGHBRIDGE, SOMERSET. Burnham & District MRC 'Sedgemore Rail'. King Alfred School, Burnham Road, Highbridge TA9 3EE. **Time:** 1000-1600. **Admission:** Adult £4. **Tel:** 01934 645386.

AUGUST 25-27

GAINSBOROUGH, Lincs. Gainsborough MRS Open Days. 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

BROXBORNE, HERTS. Hoddesdon MRC Modelling Extravaganza. The Old Mill, Mill Lane, Broxbourne EN10 7AX. **Time:** 1000-1600. **Admission:** Adult £2, Child £1. **Tel:** 01707 898420. **Web:** www.hoddesdonmrc.org.uk

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

AUGUST 29

BISHOPS LYDEARD, SOMERSET. See August 8.

SEPTEMBER 1

BECCLES, SUFFOLK. Norfolk & Suffolk Narrow Gauge Open Day. Blyburgate Hall, Blyburgate, Beccles NR34 9TF. **Time:** 1000-1600. **Admission:** Adult £3. **Web:** www.nsnrgm.org.uk

BURGESS HILL, SUSSEX. 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

BISHOPS LYDEARD, SOMERSET. See August 8.

ANDOVER, HANTS. Andover MRC MRE. Modelx 2018. John Hanson School, Floral Way, Andover SP10 3PB. **Time:** 1000-1700. **Admission:** Adult £5, Child £1. **Tel:** 07590 429643.

CHATHAM, KENT. The Medway MRS Group MRS. Fort Pitt Grammar School, Fort Pitt Hill, Chatham ME4 6TJ. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £5, Child £2, Family £12. **Tel:** 07821 254232. **E-mail:** medwaymodelshow@yahoo.co.uk

STAPLEHURST, KENT. MRE. All Saints' Church, Parish Room, High Street, Staplehurst, Tonbridge TN12 0AZ. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £1. **Tel:** 01580 891390.

SEPTEMBER 2

ASHMANHAUGH, NORWICH. See August 5.

SEPTEMBER 8

HEYWOOD, LANCs. See August 11.

ROMILEY, CHESHIRE. Romiley Methodist Modellers MRE. Romiley Methodist Church, Stockport Road, Romiley, Stockport SK6 3AH. **Time:** 1030-1630.

CUMBERNAULD, LANARKSHIRE.

Cumbernauld MRG Open Day. The Link Community Education Centre, Bron Way, Carbrain G67 1EW. **Time:** 1000-1600. **Admission:** Adult £1. **Tel:** 01236 612099. **Web:** www.cumbernauldmrg.org.uk

SEPTEMBER 8-9

FAVERSHAM, KENT. Faversham MRC MRE. The Abbey School, London Road, Faversham ME13 8RZ. **Time:** Sat 1000-1630, Sun 1000-1600. **Admission:** Adult £5, Child £3. **Web:** www.favershammrc.org.uk

Supported by MODEL RAIL 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

PARTINGTON, MANCHESTER. The EM Gauge Society Limited Expo EM Autumn 2018. Partington Sports Village, Chapel Lane, Partington M31 4ES. **Time:** Sat 1030-1730, Sun 1000-1630. **Admission:** Two days £8, Member £7. **E-mail:** exponorth@emgs.org **Web:** www.emgs.org

WOKING, SURREY. Railway Enthusiasts' Club MRE. Woking Leisure Centre, Woking Park, Kingfield Road, Woking GU22 9BA. **Time:** Sat 1030-1730, Sun 1000-1700. **Admission:** Adult £8, Child £3. **Tel:** 0125 2542574. **Web:** www.recexhibition.org.uk

SEPTEMBER 9

WESTON-SUPER-MARE. Keith Price's Charity Model Train Show. The Campus, Highlands Lane, Locking Castle, Weston-Super-Mare BS24 7DX. **Time:** 1000-1630. **Admission:** Adult £7, Concession £6.50, Child £2, Family £16. **Tel:** 01934 425075. **Web:** www.westonsupermaretrainshow.com

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 September 2018 issue should reach us by August 10 2018.

SEPTEMBER 15

CULLOMPTON, DEVON. Culm Valley MRC MRE. Willand Village Hall, Cullompton EX15 2PL. **Time:** 1000-1630. **Admission:** Adult £4, Child £1.50. **Tel:** 01884 840369. **Web:** www.cvmrc.co.uk

KETTERING. Kettering & District MRS MRE. Greenfields Primary School, Kettering. **Time:** 1000-1600. **Web:** www.kdmrs.org.uk

LICHFIELD. Trent Valley MRS, Life Church, Netherstowe Lichfield WS13 6TS. **Time:** 1000-1630pm. **Admission:** Adult £4, Child £3 Family £11. **Tel:** 0121 329 2487. **Web:** www.tvrms.org.uk

SHENFIELD, ESSEX. Mid Essex MRC MRE. Shenfield High School, Oliver Road, Shenfield CM15 8PX. **Time:** 1000-1700. **Admission:** Adult £6, Child £4. **Tel:** 01277 216098. **E-mail:** exhibition@midsexmrc.org

SEPTEMBER 15-16

DARTFORD, KENT. Erith MRS MRE. The Leigh Academy, Green Street Green Road (B260), Dartford DA1 1QE. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £6. **Tel:** 07736 560956. **E-mail:** erithmrs@gmail.com

FLEETWOOD, LANCs. Blackpool and North Fylde MRC MRE. Cardinal Allen High School, Melbourne Ave, Fleetwood, Lancs FY7 8AY. **Time:** 1000-1700, Sun 1000-1600. **Admission:** Adult £6, Senior £5, Child £2.50, Family £14. **E-mail:** ian2509@gmail.com **Web:** www.blackpoolandnorthfilydemrc.co.uk

POYNTON, CHESHIRE. The Model Show 2018. Poynton Leisure Centre, Yew Tree Lane, Poynton SK12 1PU. **Time:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £7.50, Forces/service personnel £6. **Web:** www.themodelshow.co.uk

REDDITCH. Trinity High School, Access 1 Town Centre Ring Rd, Grove Street, Redditch B98 8HB. **Time:** Sat 1000-

1700, Sun 1000-1630. **Admission:** Adult £5.50, Senior £5, Child £2, Family £14. **Web:** www.redditch-mrc.com

SHIPLEY, YORKS. Shipley MRS MRE. Baildon Recreation Centre, Shipley BD17 5JH. **Time:** Sat 1000-1700, Sun 1000-1600. **Tel:** 01274 593031.

SEPTEMBER 16

EXETER. The Junction 72A MRC Open Day. St Katherine's Priory, St Katherine's Rd, Exeter EX4 7JY.

Time: 1100-1600. **Tel:** 07989 178741.

SEPTEMBER 22

ENNISKILLEN, CO. FERMANAGH. Erne MRC MRE. Cathedral Hall, Halls Lane, Enniskillen Co. Fermanagh BT74 7DR. **Time:** 1000-1700. **Tel:** 028663 22163. **E-mail:** billmcnaughton40@gmail.com

IPSWICH. Ipswich Railway Modellers Association. IRMA Club Rooms, 40a Norfolk Road, Ipswich IP1 6AR. **Time:** 1000-1300. **Web:** www.irma.org.uk

SKELTON, CLEVELAND. Cleveland MRC Open Day. Unit 2, The B-Hive, Skelton Industrial Estate, Skelton TS12 2LQ. **Time:** 1000-1600. **Admission:** Adult £1, Child 50p. **Web:** www.cmrc.club

SOMPTING, SUSSEX. N Gauge Society (West Sussex Area Group) Open Day. Sompting Village Hall, West Street, Sompting BN15 0BE. **Time:** 1000-1600. **Admission:** Adult £1, Child 50p. **Tel:** 01403 266689. **Web:** www.wsng.co.uk

SEPTEMBER 22-23

HALIFAX. Halifax MRC MRE. Northbridge Leisure Centre, Northbridge, Halifax HX3 6TE. **Time:** 1000-1700, Sun 1000-1630. **Admission:** Adult £6.50, Child £3. **Tel:** 01706 813833. **Web:** www.halifaxmrc.co.uk

SEPTEMBER 28-30

BISHOPS LYDEARD, SOMERSET. See August 8.

SEPTEMBER 29

BANBURY, OXON. Banbury & District MRC Banrail. St Hugh's Church, Ruskin

Road, Banbury. **Time:** 1000-1600.

Admission: Adult £4. **Tel:** 01295 250463.

COMPTON DUNDON, SOMERTON.

The Small & Delightful Railway Group MRE, Meadway Hall, Ham Lane, Compton Dundon, nr Street TA11 6PQ. **Time:** 1030-1600. **Admission:** Adult £5, Child £1, Family £10. **Tel:** 07810 644661. **E-mail:** hmartin3611@btinternet.com

ENFIELD, MIDDLESEX. Enfield Whitewebbs Railway Modellers MRE.

Whitewebbs Museum of Transport, Whitewebbs Road, Enfield EN2 9HW.

Time: 1030-1630. **Admission:** Adult £5, Child £3, Family £13. **Tel:** 07798 765859.

NORTHOLT, MIDDLESEX. Northolt MRC Open Day. Northolt Village Community Centre, Ealing Road, Northolt, Middlesex UB5 6AD. **Time:** 1030-1700. **Admission:** Donation.

ODSAL, YORKS. Bradford MRC MRE. Sedbergh Centre, Huddersfield Road, Odsal BD6 1DJ. **Time:** 1000-1630.

Admission: Adult/Concession £3, Child £1. **Tel:** 07941 553307. **Web:** www.bradfordmrc.org.uk

SOUTHEND. MRE. Christ Church, 56 Colbert Ave, Southend SS1 3BP. **Time:** 1000-1600. **Admission:** Adult £2, Child £1, Family £5. **Tel:** 07561 107702. **E-mail:** mfmason4@yahoo.co.uk

SEPTEMBER 29-30

BOSTON, LINC. Boston MRS MRE. Stickney Village Hall, A16 North of Boston, PE22 8BG. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £3, Child £1, Family £7. **Tel:** 07958 137122. **E-mail:** djcurrie@live.com

WORTHING, SUSSEX. Worthing MRC MRE. Durrington High School, The Boulevard, Worthing, West Sussex BN13 1LA. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £5. **Tel:** 07970 633908. **Web:** www.worthingmrc.co.uk

OCTOBER 6

AYLSHAM, NORFOLK. Broadland MRC MRE. The Jubilee Centre, Aylsham NR11 6JG. **Time:** 1000-1600.

Admission: Adult £5, Child/Concession £3. **Tel:** 01263 588374. **Web:** www.broadlandmodelrailwayclub.co.uk

SHEFFIELD. Sheffield MRS MRE. Davy's Sporting Club, Prince of Wales Road, Sheffield S9 4ER. **Time:** 1000-1600. **Admission:** Adult £4, Child £2. **Web:** www.sheffieldmrs.co.uk

WELLINGTON, SALOP. Telford Railway Modellers Group MRE. Sports Hall, Charlton Academy, Apley Ave, Wellington TF1 3DY. **Time:** 1000-1600. **Admission:** Adult £4, Child £2, Family £10. **Tel:** 01952 820376. **Web:** www.trmg.webs.com

OCTOBER 7

ASHMANHAUGH, NORWICH. See August 5.

GAINSBOROUGH, LINC. See August 25-27.

OCTOBER 13

HEYWOOD, LANCs. See August 11.

OCTOBER 13-14

ALDERSHOT, SURREY. Farnham & District MRC MRE. Alderwood Leisure Centre, Tongham Road, Aldershot GU12 4AS. **Time:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £6, Child £2, Family £15. **Web:** www.farnhammrc.org.uk

BOURNEMOUTH. Christchurch MRC MRE. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** £5. **Tel:** 07340 332857. **Web:** www.christchurchmrc.org.uk

KIRKBY IN ASHFIELD, NOTTS. Elizabethan Railway Society MRE. The Summit Centre, Lowmoor Road, Kirkby in Ashfield NG17 7LL. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £4. **E-mail:** ers-showmanager@talktalk.net **Web:** www.elizabethanrailwaysociety.co.uk

WARLINGHAM, SURREY. Croydon MRS MRE. Warlingham School, Tithepit Shaw Lane, Warlingham CR6 9YB. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £6, Child £2, Concession £5. **E-mail:** croydonmrs.org.uk@live.co.uk **Web:** www.croydonmrs.org.uk

What's going online?

Model Rail TV

Release: The latest episode is live now, in which we continue to explore Chris Leigh's creations. Two more episodes will be released - visit our Facebook page for updates: www.facebook.com/modelrail
YouTube: www.youtube.com/c/ModelRailMagazine

Watch this month's exciting new video - NOW!



Join Model Rail's online community today

For the chance to interact directly with the *Model Rail* community, why not follow our Facebook and Twitter pages? Plus, head over to our website for regular blog updates and to sign up to our four-weekly newsletter.

Facebook: www.facebook.com/modelrail
Twitter: <https://twitter.com/modelrailUK>
Model Rail website: www.model-rail.co.uk
YouTube: www.youtube.com/c/ModelRailMagazine



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

MODEL RAIL OFFERS

ORDER AT WWW.MODELRAILOFFERS.CO.UK OR 01209 613984

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 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



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

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
- ◆ Six-pin 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
Q3 2018**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

**SIXTH
EDITION
NEW
FOR 2018**

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?

**£5.99****GREAT BRITISH
MODEL RAILWAYS**

Celebrate the skill, imagination and craftsmanship of Britain's best railway modellers with this superb 132-page publication.

**BRITAIN'S MODEL
TRAINS**

Our unique guide to British outline mass-produced, ready-to-run models is back. Fully updated for 2018, you can find independent, unbiased reviews of nearly 1,100 locomotives, multiple units, coaches and wagons in 'N', 'OO' and 'O'.

£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

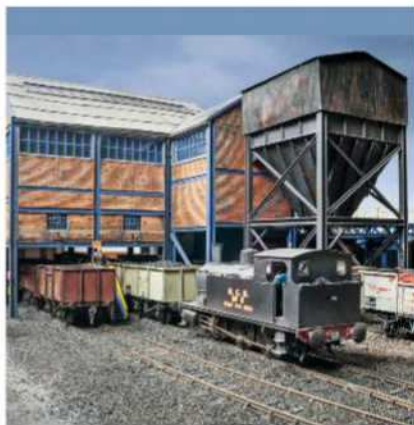
ON SALE
AUGUST
30

LOCH AND AWE



CHRIS NEVARD

Join us on a visit to Scotland as we explore both sides of its fascinating railway system. David Harrison's 'Invercalley' is an 'N' gauge take on the Scottish Highlands, while Graham and Tony Bucknell's 'Kirkmellington' explores the world of the Ayrshire coal fields in 'EM'.



A layout... for £100?

Feel as though you're being priced out of your favourite hobby? Worry no more as we bring you top advice on buying second-hand, show you how to save money on scenic accessories and build a layout for under £100.



CHOP SHOP

PLUS! 50 years after the last examples were delivered, Class 20s are still in regular use... on the London Underground network. We explore the use of 'Choppers' around the capital as Dave Lowery recreates a very special '20'.

CONTACT US

Media House, Lynchwood, Peterborough Business Park, Peterborough PE2 6EA
E-mail: modelrail@bauermedia.co.uk

EDITORIAL

Telephone: 01733 468000

Editor: Richard Foster

Deputy Editor: George Dent

Consultant Editor: Chris Leigh

Staff Writer: Chris Gadsby

Model Consultant: Dave Lowery

Editorial Assistant: Jane Skinner

Art Editor: Matthew Hunt

Production Editor: Shane Collins

Sub Editor: Richard Hampson

Photography: Jacques Portal, Chris Nevard

Artist: Andrew Mackintosh

PRODUCTION

Telephone: 01733 468377

Print Production Manager: Richard Woolley

Advertising Production: Zoe Bellamy

Printed by: Wyndeham Southernprint,

Poole, Dorset BH16 5SN

ADVERTISING

Senior Sales Exec Display: Gemma Smith
01733 366379

Sales Exec Classified: Victoria Matthews
01733 366395

Group Advertisement Manager: Karen Gardiner
01733 366434

MARKETING

Telephone: 01733 468000

Marketing Manager: Holly Burdall

Direct Marketing Executive: Olivia Caooui

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 offer 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.ipso.co.uk) and endeavours to respond to and resolve your concerns quickly. Our Editorial Complaints Policy (including full details of how to contact us about editorial complaints and IPSO's contact details) can be found at www.bauermediacomplaints.co.uk Our e-mail address for editorial complaints covered by the Editorial Complaints Policy is complaints@bauermedia.co.uk

No part of the magazine may be reproduced in any form in whole or in part, without the prior permission of 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.



dapol

model railway company

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

www.dapol.co.uk

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

August releases

Terrier



75-010-013 - Terrier A1 751 SECR Green 75-010-014 - Terrier A1 734 LSWR Green 75-010-016 - Terrier A1 Fenchurch Marsh Brown

75-010-012 - Terrier A1X 32650 BR Lined Black E/Crest Ex IOW Fishbourne

75-010-015 - Terrier A1X Plain Black

These are 1st Decorated Samples Copyright Dapol Ltd.

NEW!

MGR HAA



These are 1st Decorated Samples Copyright Dapol Ltd.

7F-048-001 - MGR HAA Coal Wagon (Red Cradle) 350274 ERA 7-8

7F-048-002 - MGR HAA Coal Wagon (Red Cradle) 355203 ERA 7-8

7F-048-003 - MGR HAA Coal Wagon (Red Cradle) 353823 ERA 7-8

7F-048-004 - MGR HAA Coal Wagon (Blue Cradle) 351351 ERA 8-9

7F-048-005 - MGR HAA Coal Wagon (Brown Cradle) 354317 ERA 5-7

7F-048-006 - MGR HAA Coal Wagon (Brown Cradle) 359180 ERA 5-7

7F-048-007 - MGR HAA Coal Wagon (Brown Cradle) 359447 ERA 5-7

7F-048-008 - MGR HAA Coal Wagon (Yellow Cradle) 354469 ERA 7-8

HIA



Previously Produced Model used for Illustration Purposes Only.

4F-026-013 - HIA Freightliner Green Heavy Haul Limestone Hopper 369006

4F-026-014 - HIA Freightliner Green Heavy Haul Limestone Hopper 369012

4F-026-015 - HIA Freightliner Green Heavy Haul Limestone Hopper 369018

4F-026-016 - HIA Freightliner Green Heavy Haul Limestone Hopper 369019

4F-026-017 - HIA Freightliner White Heavy Haul Limestone Hopper 369026

4F-026-018 - HIA Freightliner White Heavy Haul Limestone Hopper 369033

Turbot



These are 1st Decorated Samples Copyright Dapol Ltd.

4F-043-001 - Turbot Bogie Ballast Wagon EWS Maroon DB978363

4F-043-002 - Turbot Bogie Ballast Wagon EWS Maroon DB978396

4F-043-003 - Turbot Bogie Ballast Wagon EWS Maroon DB978309

4F-043-004 - Turbot Bogie Ballast Wagon Engineers Dutch Livery DB978337

7F-200-001 - BR 20T Brake Van B951771 Grey CAD

7F-200-002 - BR 20T Brake Van B952182 Grey

7F-200-003 - BR 20T Brake Van B953095 Bauxite

7F-200-004 - BR 20T Brake Van B951224 Bauxite CAP

7F-200-005 - BR 20T Brake Van B952042 Grey

7F-200-006 - BR 20T Brake Van B952978 Bauxite

7F-200-007 - BR 20T Brake Van Unnumbered Grey

7F-200-008 - BR 20T Brake Van Unnumbered Bauxite

4F-013-039 - Gunpowder Van - Spillers 177

4F-013-040 - Gunpowder Van - Spillers 177

Weathered

4F-016-027 - Banana Van - Geest B882128

4F-016-028 - Banana Van - Geest B882128

Weathered

4F-090-009 - 9 Plank - NE Loco Coal 30990

4F-090-010 - 9 Plank - NE Loco Coal 30990

Weathered

2F-038-053 - 20T Steel Mineral - Bolsover 6395

2F-038-054 - 20T Steel Mineral - Bolsover 6395

Weathered

Product Scale Key

O Gauge

OO Gauge

N Gauge

All product release dates correct at time of going to press

dapol

collectors

club

ONLY £25 PER YEAR
(Plus p&p)

15% DISCOUNT ON ALL DAPOL PRODUCTS PURCHASED
THROUGH DAPOL

ANNUAL OPEN DAY

4 NEWSLETTERS PER YEAR

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

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

SPECIAL COMMISSION WAGONS

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

Olivia's Trains of Sheffield

'OO' Gauge UK DCC
Sound Specialists.



25a Mansfield Rd,
Intake, S12 2AE

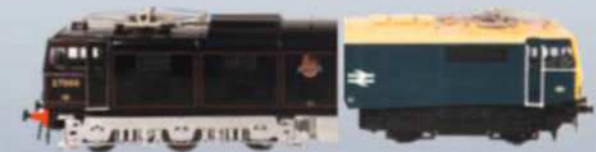
Extensive UK sound library utilising the Loksound decoders.

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



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
FT4 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

JKL5 SEC/SR/BR D Class 4-4-0.....	£325.00
JKL6 G.W.R. Dean Goods 0-6-0.....	£315.00
JKL11 LMS/BR Long Fire Box Black Five.....	£355.00

MERCIAN LOCO KITS

SG5 LNER/BR J94 Austerity 0-6-0-ST.....	£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 R Peppercorn A2.....	£562.00
K338 LNER/BR R 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 Vanwilde.....	£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 conflat '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/SDJR/LTSR/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 £46.35 OUR PRICE £39.50
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

DAPOL CLASS 122

Choice of 5 liveries
List Price £299.00 OUR PRICE £254.15
DCC Sound List Price £454.00 OUR PRICE £385.90
Available late 2018 Reserve yours now

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 25/3

5 liveries available
RRP £525.00 OUR PRICE £425.00
Available late 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

HELJAN CLASS 45

3 liveries available
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
Railfreight Coal Sector
Railfreight Petroleum
Railfreight Speedlink
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

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

HELJAN CLASS 25/1

Ltd Ed Plain Green
Green with yellow panel
Green full yellow ends
Blue with yellow front
RRP £599.00 OUR PRICE £475.00

HELJAN BR PARCELS STOCK

G.U.V. available B.R., Parcels red, Express Parcels blue or S.R. green
BG available BR maroon, crimson & cream, chocolate & cream, Newspapers blue or Royal

Airbrushes.com

The *Airbrush Company* Ltd

Airbrush Supplies - Paints & Accessories - Training - Spares

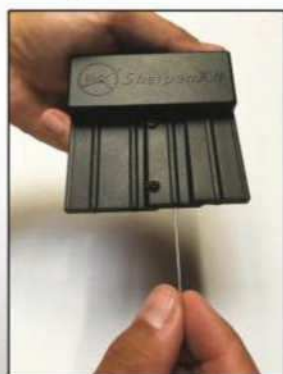


iwata

SPARMAX
Air Compressor
ZETA



SHA-NR



SharpenAir™ is the first and only hand-held device that is designed specifically for repairing bent and damaged airbrush fluid needles.



IW-HP-CH

Iwata Airbrushes

- the world's leading manufacturer of high quality professional spray equipment.



C-AC-ZETA



Position the Smart-Stop hanger and regulator on your worktop!

The Smart-Stop Hanger pauses the compressor when airbrush is placed into hanger and restarts when airbrush is taken off again.



Professional Airbrush

Have your airbrush professionally cleaned, serviced and returned to you for **£40 inc.VAT***

*Terms & conditions apply.
Cost of replacement parts will be charged in addition.



Valet



www.Airbrushes.com

01903 767800

sales@airbrushes.com

All New OO Class 66

Developed & Manufactured by Hatton's Model Railways

30+ versions available from a variety of freight companies, including:



Research Stage
Complete



CAD Work
Complete



Tooling
In Progress



Release
Due March 2019

Diecast Chassis • 21-Pin Digital • 5-Pole Motor • Fully Detailed Cab • Rotating Axleboxes
Multiple Lighting Options • Standard & Low Emission Body Styles • Etched Grilles



- H4-66-001** 66005 in EWS livery
- H4-66-002** 66079 in EWS livery "James Nightall G.C."
- H4-66-003** 66125 in EWS livery
- H4-66-004** 66207 in EWS livery
- H4-66-005** 66088 in EWS livery with DB branding
- H4-66-006** 66097 in DB Schenker livery
- H4-66-007** 66118 in DB Schenker livery
- H4-66-008** 66033 in Euro Cargo Rail livery with EWS branding
- H4-66-009** 66218 in Euro Cargo Rail livery with DB branding
- H4-66-010** 66404 in DRS compass livery
- H4-66-011** 66433 in DRS compass livery
- H4-66-012** 66301 in DRS plain livery "Kingmoor TMD"
- H4-66-013** 66429 in DRS plain livery
- H4-66-014** 66502 in Freightliner livery "Basford Hall Centenary 2001"



- H4-66-015** 66513 in Freightliner livery
- H4-66-016** 66593 in Freightliner livery "3MG Mersey Multimodal Gateway"
- H4-66-017** 66621 in Freightliner livery

H4-66-018 66957 in Freightliner livery "Stephenson Locomotive Society 1909-2009"

H4-66-019 66418 in Freightliner Powerhaul livery "Patriot"

H4-66-020 66504 in Freightliner Powerhaul livery

H4-66-021 66528 in Freightliner Powerhaul livery "Madge Elliot MBE - Borders Railway Opening 2015"



H4-66-022 66704 in GBRf original livery

H4-66-023 66705 in GBRf original livery with Union Flag "Golden Jubilee"

H4-66-024 66727 in GBRf/First group livery "Andrew Scott CBE"

H4-66-025 66731 in GBRf/First group livery

H4-66-026 66740 in GBRf Europorte livery "Sarah"

H4-66-027 66756 in GBRf Europorte livery "Royal Corps of Signals"

H4-66-028 66762 in GBRf Europorte livery

H4-66-029 66847 in Colas Rail Freight livery

H4-66-030 66848 in Colas Rail Freight livery



H4-66-031 66789 in BR Large Logo blue "British Rail 1948-1997"

H4-66-031 66783 in Biffa red "The Flying Dustman"

Digital Ready: £150

Digital Fitted: £165

Sound Fitted: £265

See the full list of specifications and more at: www.hattons.co.uk/66

Forthcoming Releases from Hornby & Bachmann

All available to pre-order now at: 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: October 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 8P Streamlined Princess Coronation 4-6-2

Pre-order for £152
Due in Stock: October 2018



©Hugh Llewelyn

R3677 6229 "Duchess of Hamilton" in LMS crimson lake - as preserved

R3623 6221 "Queen Elizabeth" in LMS coronation blue

R3639 6244 "King George VI" in LMS maroon

Class W4 Peckett 0-4-0ST

Pre-order for £82
Due in Stock: August 2018 (R3615)
Dec 2018 to Feb 2019 for other variations



R3680 'Forest No.1' in Charity Colliery lined green

R3615 560 in Peckett works leaf green with builders lettering

R3640 882 "Niclausse" in Peckett works leaf green

R3679 74 in Port of London Authority lined blue

Class 87

Pre-order from £144
Due in Stock: August 2018



R3582 87010 'King Arthur' in Intercity Swallow livery

R3580 87035 'Robert Burns' in BR Blue

R3656 87019 "Sir Winston Churchill" in Virgin Trains red and black

LNER 20-ton Toad Brake van

Pre-order for £19
Due in Stock: November 2018



R6833 LNER bauxite

R6833A LNER bauxite

R6834 BR livery (TBC)

R6834A BR livery (TBC)

Class J36 0-6-0

Pre-order from £112. TTS-fitted £132
Due in Stock: December 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



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

Class 117 3-Car DMU

Pre-order from £254.96
Due in Stock: July 2019



35-500 BR green with speed whiskers

35-501 BR blue and grey

35-502 Network SouthEast livery

009 Quarry Hunslet 0-4-0ST

Pre-order from £114 (Estimated)
Due in Stock: TBC



391-051 "Britomart" in Pen-yr-Orsedd Quarry blue

391-050 "Alice" in Dinworic Quarry red

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 for £127.46
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

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 Shop opening times
Mon to Sat **7:30am-6pm** Mon to Sun **9am-5pm**
Sun **9am-5pm**

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Baldwin Class 10-12-D 4-6-0	hattons.co.uk/baldwin460	from £127.46	Jul 2014							
BR Mk1 Carlat	hattons.co.uk/BRCarlat	from £31.41	Jan 2017							
Class H1 & H2 Atlantic 4-4-2	hattons.co.uk/h2atlantic	from £161.46	Mar 2013							
Class 90	hattons.co.uk/c90	from £152.96	Jul 2014							
Class 117 DMU	hattons.co.uk/c117	£254.96	Sep 2015							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
LSWR Class B4 0-4-0T	hattons.co.uk/b4	from £93.50	Apr 2014							
N Gauge 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
SECR P Class 0-6-0T	hattons.co.uk/pclass	£99	Sep 2017							
Andrew Barclay 14" & 16" 0-4-0ST	hattons.co.uk/barclay	£99	Sep 2017							
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							
Class 66	hattons.co.uk/66	from £150	May 2018							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Class 47xx 'Night Owl' 2-8-0	hattons.co.uk/47xx	£154	Nov 2014							
Class 07 Shunter	hattons.co.uk/cl07	£111	Jan 2016							
O Gauge Class 50 (Refurbished)	hattons.co.uk/hel50	£560	Apr 2017							
O Gauge Class 37/4	hattons.co.uk/hel374	£560	Nov 2017							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Hittachi 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 13/07/18.



17 Montague Road, Widnes, WA8 8FZ
T: 0151 733 3655 E: info@hattons.co.uk

Est. 1946

OO Gauge (1:76 Scale) Steam Locomotives

- H4-AB14-004 Andrew Barclay 0-4-0ST 14" 1863 in Caledonian Railway lined blue (Hat)..... £99
- H4-AB14-001 Andrew Barclay 0-4-0ST 14" 2047 '705' in BR black early crest (Hat)..... £99
- H4-AB14-002 Andrew Barclay 0-4-0ST 14" 2047 '705' in GWR green shirtbutton roundel (Hat)..... £99
- H4-AB14-008 Andrew Barclay 0-4-0ST 14" 2134 'No.3' in Fina lined blue (Hat)..... £99
- H4-AB14-003 Andrew Barclay 0-4-0ST 14" 2134 'Coronation' in lined green (Hat)..... £99
- H4-AB16-004 Andrew Barclay 0-4-0ST 16" 1964 in CPC UK blue (Hat)..... £99
- H4-AB16-002 Andrew Barclay 0-4-0ST 16" 2043 'No 6' in NCB green (Hat)..... £99
- H4-AB16-003 Andrew Barclay 0-4-0ST 16" 2226 'Katie' in lined maroon (Hat)..... £99
- H4-AB16-001 Andrew Barclay 0-4-0ST 16" 2244 'No.10' in NCB lined black (Hat)..... £99
- R3525 Battle of Britain Class (Air Smoothed) 4-6-2 S21C159 'Sir Archibald Sinclair' in British Railways malachite green (Hor)..... £139.50
- H1413 Class 14xx 0-4-2T 1444 in BR Lined green early emblem (DJ)..... £99
- 31-433 Class 1F 'Half-Cab' 0-6-0T 1739 in LMS black (Bac)..... £84.96
- 32-304A Class 2251 0-6-0 Collett Goods 2251 in GWR green Churchward tender (Bac)..... £97.71

- 31-440 Class 2MT Ivatt 2-6-2T 41243 in BR lined black early emblem (Bac)..... £110.46
- 31-127 Class 30xx 2-8-0 ROD 3023 in BR black early emblem (Bac) (RRP £129.95)..... **BARGAIN**..... £99
- 31-128 Class 30xx 2-8-0 ROD 3036 in BR black early emblem - weathered (Bac) (RRP £142.95)..... **BARGAIN**..... £72
- 32-227DS Class 3F Jinty 0-6-0T 7365 in LMS black - DCC sound fitted (Bac) **NEW**..... £182.71
- R3619 Class 4073 'Castle' 4-6-0 5013 'Abergavenny Castle' in BR green late crest (Hor) **NEW**..... £136
- 32-137A Class 4575 'Small Prairie' 2-6-2T 4592 in BR black early emblem - weathered (Bac)..... £101.96
- 32-135B Class 4575 'Small Prairie' 2-6-2T 5532 BR green late crest (Bac)..... £97.71
- 4780 Class 47xx 2-8-0 'Night Owl' 4704 GWR green shirtbutton emblem (Hel)..... £154
- 4781 Class 47xx 2-8-0 'Night Owl' 4705 in GWR green Great Western lettering (Hel) **NEW**..... £154
- 4783 Class 47xx 2-8-0 'Night Owl' 4706 in BR black early emblem (Hel)..... £154
- 4782 Class 47xx 2-8-0 'Night Owl' 4707 in GWR green post-war GW lettering (Hel) **NEW**..... £154
- H1403 Class 48xx 0-4-2T 4871 in GWR Unlined green Shirtbutton logo - Lightly weathered (DJ)..... £99
- R3170 Class 49xx 4-6-0 4901 'Adderley Hall' in GWR Green - Railroad range (Hor) (RRP £94.99)..... **BARGAIN**..... £62
- R3313 Class 4F 0-6-0 4323 in LMS Black (Hor) (RRP £99.99)..... **BARGAIN**..... £58
- 32-580A Class 4MT Ivatt 2-6-0 43014 in BR black late crest - weathered (Bac)..... £118.96

- R3494 Class 5MT Black 5 4-6-0 45025 in BR Black late crest - Railroad Range (Hor)..... £80
- 31-636A Class 64xx 0-6-0PT pannier tank 6422 in BR black early emblem (Bac)..... £84.96
- 31-204 Class 6P Patriot 4-6-0 5530 'Sir Frank Ree' in LMS crimson (Bac) (RRP £164.95)..... **BARGAIN**..... £104
- R3617 Class 8P Rebuilt Merchant Navy 4-6-2 35030 'Elder Dempster Lines' in BR green late crest (Hor)..... £136
- 32-858 Class 9F 2-10-0 92189 in BR black late crest & BR1F tender - weathered (Bac)..... £169.96
- 32-860 Class 9F 2-10-0 92211 in BR black late crest (Bac) **NEW**..... £161.46
- 32-850A Class 9F 2-10-0 92220 'Evening Star' in BR green late crest (Bac) **NEW**..... £161.46
- 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**..... £58
- R3518 Class A3 4-6-2 108 'Gay Crusader' in LNER apple green - 'The Final Day' special edition (Hor) (RRP £189.99)..... **BARGAIN**..... £129
- R3676 Class A4 4468 'Mallard' in LNER garter blue - as preserved (Hor) **NEW**..... £152
- R3338 Class B1 4-6-0 61310 in BR Apple Green (Hor) (RRP £155.99)..... **BARGAIN**..... £87
- R3588 Class B17 4-6-0 2864 'Liverpool' in LNER green - Railroad Range (Hor)..... £76.50

- R3004 Class B17 4-6-0 61631 'Serlby 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
- 31-138 Class D11/2 4-4-0 62682 Haystoun of Bucklaw in BR black early emblem (Bac) (RRP £139.95)..... **BARGAIN**..... £99
- 35-075 Class E4 Brighton tank 0-6-2 579 in LB&SCR umber (Bac) (RRP £109.95)..... **BARGAIN**..... £80
- R3416 Class J15 0-6-0 65464 in BR Black late crest (Hor) (RRP £127.99)..... **BARGAIN**..... £79
- R3242A Class K1 2-6-0 62032 in BR Black early emblem (Hor) (RRP £129.99)..... **BARGAIN**..... £82
- R3243B Class K1 2-6-0 62064 in BR Black late crest (Hor) (RRP £129.99)..... **BARGAIN**..... £82
- 3912 Class O2/3 Tango 2-8-0 63948 in BR black early crest stepped tender (Hel) (RRP £184.95)..... **BARGAIN**..... £89
- 3913 Class O2/3 Tango 2-8-0 63952 in BR black late crest stepped tender (Hel) (RRP £184.95)..... **BARGAIN**..... £89
- 3911 Class O2/3 Tango 2-8-0 63954 in early British Railways black stepped tender (Hel) (RRP £184.95)..... **BARGAIN**..... £89
- 3920 Class O2/4 Tango 2-8-0 3962 in LNER black flush tender (Hel) (RRP £184.95)..... **BARGAIN**..... £89
- 3922 Class O2/4 Tango 2-8-0 63975 in BR black late crest flush tender (Hel) (RRP £184.95)..... **BARGAIN**..... £89
- 3923 Class O2/4 Tango 2-8-0 63982 in BR black late crest flush tender (Hel) (RRP £184.95)..... **BARGAIN**..... £89
- 3921 Class O2/4 Tango 2-8-0 63983 in BR black early crest flush tender (Hel) (RRP £184.95)..... **BARGAIN**..... £89
- R3171 Class P2 2-8-2 2001 'Cock O' The North' in LNER Green (Railroad range) (Hor)..... £84



UK P&P £4 per order
£2 per single diecast item
£7 guaranteed Next Day delivery
 (Orders before 2pm)



R3559 Class Q1 0-6-0 C24 in Southern Railway wartime black (Hor) £100



R3541 Class Q6 Raven 0-8-0 2265 in LNER black pre-war lettering (Hor) (RRP £160.99) **BARGAIN** £109



R3208 Class V Schools 4-4-0 30915 "Brighton" in BR Black early emblem (Hor) (RRP £139.99) **BARGAIN** £89



R3420 Drummond Class 700 0-6-0 30346 in BR black late crest (Hor) (RRP £124.99) **BARGAIN** £69



R3421 Drummond Class 700 0-6-0 30698 in BR Black early emblem (Hor) (RRP £124.99) **BARGAIN** £69



R3419 Drummond Class 700 0-6-0 693 in Southern Railway black (Hor) (RRP £124.99) **BARGAIN** £69
 H4-P-010 SECR P Class 0-6-0T "Prinrose" in Bluebell Railway lined black (1960s) (Hat) £99



H4-P-005 SECR P Class 0-6-0T 1555 in SR black Egyptian lettering (Hat) £99



H4-P-001 SECR P Class 0-6-0T 178 in SE&CR full lined green (with brass) (Hat) £99
 H4-P-011 SECR P Class 0-6-0T 27 "Primrose" in Bluebell Railway lined black (1960s) (Hat) £99



H4-P-007 SECR P Class 0-6-0T 31027 in BR black early emblem (Hat) £99



H4-P-008 SECR P Class 0-6-0T 31323 in BR black late crest (Hat) £99



H4-P-012 SECR P Class 0-6-0T 323 "Bluebell" in Bluebell Railway lined blue (2010s) (Hat) £99



H4-P-002 SECR P Class 0-6-0T 753 in SE&CR full lined green (with brass) (Hat) £99



H4-P-004 SECR P Class 0-6-0T A325 in SR lined Maunsell green Maunsell lettering (Hat) £99



32-360A Standard Class 4MT 2-6-4T 80104 in BR lined black late crest (Bac) £114.71



32-250A WD Austerity 2-8-0 79250 "Major-General Mc Mullen" in Longmoor Military Railway blue (Bac) £144.46

Diesel train packs



R3399 EWS freight train pack Class 67 in EWS and three MHA open wagons (Hor) (RRP £241.99) **BARGAIN** £139

Steam train packs



R3299 "Going Home" train pack - 70th Anniversary of the end of WWII Black 5 4-6-0 5156 in LMS Black and 3 x LMS Period 3 Coaches - Ltd Ed (Hor) (RRP £289.99) **BARGAIN** £150



R3512 SECR H Class Wainwright 0-4-4T 31551 in BR black late crest - Ltd Ed train pack Maunsell Push/Pull coaches (Hor) £168

Diesel locos



10001HAP 10001 BR Brunswick green orange, black & orange lining. Aug 1956 - Oct 1957. (Dap) (RRP £105) **BARGAIN** £94



2503 Class 05 Hunslet shunter "Cider Queen" in green wasp stripes (Hel) (RRP £129.95) **BARGAIN** £69



2500 Class 05 Hunslet shunter D2574 in BR green (Hel) (RRP £129.95) **BARGAIN** £69



2520 Class 05 Hunslet shunter D2592 in BR green wasp stripes (Hel) (RRP £129.95) **BARGAIN** £69



2521 Class 05 Hunslet shunter D2600 in BR green wasp stripes (Hel) (RRP £129.95) **BARGAIN** £69



2523 Class 05 Hunslet shunter Departmental No.88 in BR green wasp stripes (Hel) (RRP £129.95) **BARGAIN** £69



2930 Class 07 shunter 07001 in Harry Needle Railroad Company - Exclusive to Hattons Model Railways (Hel) £111



2911 Class 07 shunter 07005 in BR blue wasp stripes and air brakes (Hel) £111



2901 Class 07 shunter D2990 in BR green wasp stripes (Hel) £111



2902 Class 07 shunter D2992 in BR blue wasp stripes (Hel) £111



R3504TTS Class 08 08623 in DB Schenker - TTS Sound fitted (Hor) £132



1409 Class 14 D9531 in BR green - as preserved (Hel) £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



4D-012-009 Class 22 D6322 in BR green small yellow panels and disc headcodes (Dap) **NEW** £127.46



4D-012-004 Class 22 D6325 in BR green no yellow panels and disc headcodes (Dap) **NEW** £127.46



4D-012-006 Class 22 D6327 in BR blue small yellow panels and headcode boxes (Dap) **NEW** £127.46



4D-012-008 Class 22 D6332 in BR blue (Dap) **NEW** £127.46



2615 Class 26/1 26044 in BR blue - weathered (Hel) £104



3525 Class 35 Hymek 7011 in BR blue full yellow ends (Hel) £101



32-377A Class 37/4 37401 "Mary Queen Of Scots" in BR large logo blue (Bac) £117.26



32-370 Class 37/4 37405 in DRS Compass blue (Bac) £117



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



5311 Class 53 D0280 "Falcon" in BR two tone green - Ltd Ed (Hel) (RRP £125) **BARGAIN** £94



5310 Class 53 D0280 "Falcon" in original lime green and brown - Ltd Ed (Hel) (RRP £125) **BARGAIN** £94



32-753DS Class 57/0 57007 "Freightliner Bond" in Freightliner green - DCC sound fitted (Bac) £203.96
 5827 Class 58 58016 EWS maroon and gold (Hel) (RRP £125) **BARGAIN** £99



5826 Class 58 58028 in unbranded Triple Grey (Hel) (RRP £125) **BARGAIN** £96



32-983 Class 66/7 66779 "Evening Star" in BR green GBRF branding (Bac) £144.46

4D-022-010D Class 68 68008 "Avenger" in Direct Rail Services compass - DCC fitted (Dap) £151.16

4D-022-010S Class 68 68008 "Avenger" in Direct Rail Services compass - DCC sound fitted (Dap) £254.96



31-590 Class 70 70015 in Freightliner air intake modifications (Bac) **NEW** £144.46



R3591 Class 73/0 electro-diesel E6002 in BR green - Railroad Range (Hor) £59



4000 Hawker Siddeley Brush HS4000 "Kestrel" prototype diesel electric loco (Hel) (RRP £155) **BARGAIN** £129

Electric locos



7601 Class 76 EM1 Woodhead electric E26051 in BR green half yellow panels - Ltd Ed for Olvivas Trains (Hel) (RRP £160) **BARGAIN** £124



UK P&P £4 per order
£2 per single diecast item
£7 guaranteed Next Day delivery
 (Orders before 2pm)



R3559 Class Q1 0-6-0 C24 in Southern Railway wartime black (Hor) £100



R3541 Class Q6 Raven 0-8-0 2265 in LNER black pre-war lettering (Hor) (RRP £160.99) **BARGAIN** £109



R3208 Class V Schools 4-4-0 30915 "Brighton" in BR Black early emblem (Hor) (RRP £139.99) **BARGAIN** £89



R3420 Drummond Class 700 0-6-0 30346 in BR black late crest (Hor) (RRP £124.99) **BARGAIN** £69



R3421 Drummond Class 700 0-6-0 30698 in BR Black early emblem (Hor) (RRP £124.99) **BARGAIN** £69



R3419 Drummond Class 700 0-6-0 693 in Southern Railway black (Hor) (RRP £124.99) **BARGAIN** £69
 H4-P-010 SECR P Class 0-6-0T "Prinrose" in Bluebell Railway lined black (1960s) (Hat) £99



H4-P-005 SECR P Class 0-6-0T 1555 in SR black Egyptian lettering (Hat) £99



H4-P-001 SECR P Class 0-6-0T 178 in SE&CR full lined green (with brass) (Hat) £99
 H4-P-011 SECR P Class 0-6-0T 27 "Primrose" in Bluebell Railway lined black (1960s) (Hat) £99



H4-P-007 SECR P Class 0-6-0T 31027 in BR black early emblem (Hat) £99



H4-P-008 SECR P Class 0-6-0T 31323 in BR black late crest (Hat) £99



H4-P-012 SECR P Class 0-6-0T 323 "Bluebell" in Bluebell Railway lined blue (2010s) (Hat) £99



H4-P-002 SECR P Class 0-6-0T 753 in SE&CR full lined green (with brass) (Hat) £99



H4-P-004 SECR P Class 0-6-0T A325 in SR lined Maunsell green Maunsell lettering (Hat) £99



32-360A Standard Class 4MT 2-6-4T 80104 in BR lined black late crest (Bac) £114.71



32-250A WD Austerity 2-8-0 79250 "Major-General Mc Mullen" in Longmoor Military Railway blue (Bac) £144.46

Diesel train packs



R3399 EWS freight train pack Class 67 in EWS and three MHA open wagons (Hor) (RRP £241.99) **BARGAIN** £139

Steam train packs



R3299 "Going Home" train pack - 70th Anniversary of the end of WWII Black 5 4-6-0 5156 in LMS Black and 3 x LMS Period 3 Coaches - Ltd Ed (Hor) (RRP £289.99) **BARGAIN** £150



R3512 SECR H Class Wainwright 0-4-4T 31551 in BR black late crest - Ltd Ed train pack Maunsell Push/Pull coaches (Hor) £168

Diesel locos



10001HAP 10001 BR Brunswick green orange, black & orange lining. Aug 1956 - Oct 1957. (Dap) (RRP £105) **BARGAIN** £94



2503 Class 05 Hunslet shunter "Cider Queen" in green wasp stripes (Hel) (RRP £129.95) **BARGAIN** £69



2500 Class 05 Hunslet shunter D2574 in BR green (Hel) (RRP £129.95) **BARGAIN** £69



2520 Class 05 Hunslet shunter D2592 in BR green wasp stripes (Hel) (RRP £129.95) **BARGAIN** £69



2521 Class 05 Hunslet shunter D2600 in BR green wasp stripes (Hel) (RRP £129.95) **BARGAIN** £69



2523 Class 05 Hunslet shunter Departmental No.88 in BR green wasp stripes (Hel) (RRP £129.95) **BARGAIN** £69



2930 Class 07 shunter 07001 in Harry Needle Railroad Company - Exclusive to Hattons Model Railways (Hel) £111



2911 Class 07 shunter 07005 in BR blue wasp stripes and air brakes (Hel) £111



2901 Class 07 shunter D2990 in BR green wasp stripes (Hel) £111



2902 Class 07 shunter D2992 in BR blue wasp stripes (Hel) £111



R3504TTS Class 08 08623 in DB Schenker - TTS Sound fitted (Hor) £132



1409 Class 14 D9531 in BR green - as preserved (Hel) £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



4D-012-009 Class 22 D6322 in BR green small yellow panels and disc headcodes (Dap) **NEW** £127.46



4D-012-004 Class 22 D6325 in BR green no yellow panels and disc headcodes (Dap) **NEW** £127.46



4D-012-006 Class 22 D6327 in BR blue small yellow panels and headcode boxes (Dap) **NEW** £127.46



4D-012-008 Class 22 D6332 in BR blue (Dap) **NEW** £127.46



2615 Class 26/1 26044 in BR blue - weathered (Hel) £104



3525 Class 35 Hymek 7011 in BR blue full yellow ends (Hel) £101



32-377A Class 37/4 37401 "Mary Queen Of Scots" in BR large logo blue (Bac) £117.26



32-370 Class 37/4 37405 in DRS Compass blue (Bac) £117



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



5311 Class 53 D0280 "Falcon" in BR two tone green - Ltd Ed (Hel) (RRP £125) **BARGAIN** £94



5310 Class 53 D0280 "Falcon" in original lime green and brown - Ltd Ed (Hel) (RRP £125) **BARGAIN** £94



32-753DS Class 57/0 57007 "Freightliner Bond" in Freightliner green - DCC sound fitted (Bac) £203.96
 5827 Class 58 58016 EWS maroon and gold (Hel) (RRP £125) **BARGAIN** £99



5826 Class 58 58028 in unbranded Triple Grey (Hel) (RRP £125) **BARGAIN** £96



32-983 Class 66/7 66779 "Evening Star" in BR green GBRF branding (Bac) £144.46

4D-022-010D Class 68 68008 "Avenger" in Direct Rail Services compass - DCC fitted (Dap) £151.16

4D-022-010S Class 68 68008 "Avenger" in Direct Rail Services compass - DCC sound fitted (Dap) £254.95



31-590 Class 70 70015 in Freightliner air intake modifications (Bac) **NEW** £144.46



R3591 Class 73/0 electro-diesel E6002 in BR green - Railroad Range (Hor) £59



4000 Hawker Siddeley Brush HS4000 "Kestrel" prototype diesel electric loco (Hel) (RRP £155) **BARGAIN** £129

Electric locos



7601 Class 76 EM1 Woodhead electric E26051 in BR green half yellow panels - Ltd Ed for Olvivas Trains (Hel) (RRP £160) **BARGAIN** £124

Prices valid until 29/08/18

All prices correct
when going to press.
Errors excepted.

People - civil



36-408 12 x Seated Coach Passengers (Bac) £11.50

36-047 Locomotive staff x 6 (Bac) £8.46

Track - Code 100 Setrack

R601 Double Straight (Hor) £2
R601 Box of 24 (Hor) £47
R6072 Left Hand Standard Point (Hor) £9.50
R6073 Right Hand Standard Point (Hor) £9.50
ST-245 Setrack curved double radius left handed point insulfrog (Pec) £14.50
ST-241 Setrack No.2 radius left handed point insulfrog (Pec) £9
ST-240 Setrack No.2 radius right handed point insulfrog (Pec) £9
ST-204 Setrack Quad Straight (670mm) (Pec) £3.50
ST-204 Box of 24 (Pec) £76

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) £27
SL-99 3 way medium radius point - insulfrog (Pec) £27
SL-90 Double slip - insulfrog (Pec) £33
SL-E87 Left hand curved point - electrofrog (Pec) £12.50



SL-E89 Left hand large point - electrofrog (Pec) £12
SL-E89 Left hand large point - insulfrog (Pec) £12



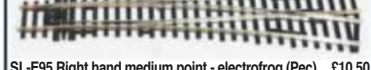
SL-E96 Left hand medium point - electrofrog (Pec) £10.50
SL-96 Left hand medium point - insulfrog (Pec) £10.50



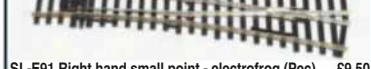
SL-E92 Left hand small point - electrofrog (Pec) £9.50
SL-E86 Right hand curved point - electrofrog (Pec) £12.50



SL-E88 Right hand large point - electrofrog (Pec) £12



SL-E95 Right hand medium point - electrofrog (Pec) £10.50
SL-95 Right hand medium point - insulfrog (Pec) £10.50



SL-E91 Right hand small point - electrofrog (Pec) £9.50

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



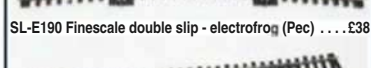
SL-100F Pack of 25 1 yard (91.5cm) length of Nickel Silver Finescale flexible track (Pec) £72
SL-100F Single (Pec) £3



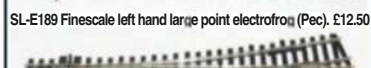
SL-E199 3 way finescale medium radius point - electrofrog (Pec) £29



SL-E190 Finescale double slip - electrofrog (Pec) £38



SL-E189 Finescale left hand large point electrofrog (Pec) £12.50



SL-E196 Finescale left hand medium point - electrofrog (Pec) £11.50



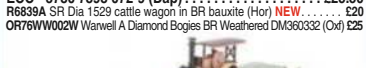
4F-025-009 MJA mineral & aggregates twin bogie box wagon 502025 and 502026 in GB Railfreight blue (Dap) £42.50
4F-025-010 MJA mineral & aggregates twin bogie box wagon 502031 and 502032 in GB Railfreight blue (Dap) £42.50

R6473 Pack of 3 16 ton mineral wagons in BR bauxite - Railroad Range (Hor) (RRP £19.99) **BARGAIN** £15R6473 Pack of 3 16 ton mineral wagons in BR bauxite - Railroad Range (Hor) (RRP £19.99) **BARGAIN** £1538-287 Pack of 3 22 ton Presfios in BR bauxite - weathered (Bac) (RRP £82.95) **BARGAIN** £54

R6884 Pack of three 6-wheel Milk Tanks 'Express Dairy' (Hor) £38

R6887 PTA 102 ton bogie wagon PR26552 in Yeoman Aggregates grey - Railroad Range (Hor) **NEW** £15

4F-027-010 Silver Bullet bogie tank wagon in NACCO/ ECC - 3780 7898 072-9 (Dap) £25.50
R6839A SR Dia 1529 cattle wagon in BR bauxite (Hor) **NEW** £20
OR76W002W Warwell A Diamond Bogies BR Weathered DM360332 (Oxf) £25



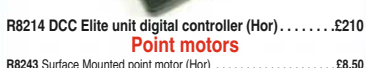
OR76W009 Warwell With Steam Road Engine DM721211 (Oxf) £33



R8247 DCC accessory decoder (for points and motors) (Hor) £40



Digital control accessory decoders



R8214 DCC Elite unit digital controller (Hor) £210



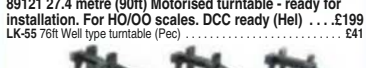
R8243 Surface Mounted point motor (Hor) £8.50



R044 Passing contact lever frame switch (for point motors) (Hor) £9



PL-80 Power feed joiners - Code 100/124 (x4 pairs) (Pec) £6



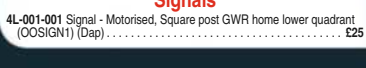
SL-11 Insulated rail joiners/fishplates (for OO, HO & O gauge code 100 rails incl. Hornby, Peco & Peco Streamline) - Pack of 12 (Pec) £2



SL-10 Metal rail joiners/fishplates (for code 100 rails incl. Hornby, Peco & Peco Streamline) - Pack of 24 (Pec) £2.20



18KADEE NEM362 Kadec coupling - Medium (8.63mm) - Pack of four (Kad) £5



LK-20X Double length overall arched station roof (Pec) £22.50

89121 27.4 metre (90ft) Motorised turntable - ready for installation. For HO/OO scales. DCC ready (Hel) £199

LK-55 76ft Well type turntable (Pec) £41

R083 Box of 6 Buffer Stop (Hor) £9.50

R083 Single (Hor) £1.80

R070 Electrically Operated Turntable (Hor) £64

4L-001-001 Signal - Motorised, Square post GWR home lower quadrant (OOSIGN1) (Dap) £25



SL-E192 Finescale left hand small point - electrofrog (Pec) £10.50



SL-E186 Finescale right hand curved point - electrofrog (Pec) £13



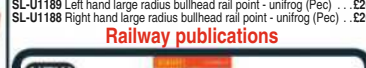
SL-E188 Finescale right hand large point - electrofrog (Pec) £12.50



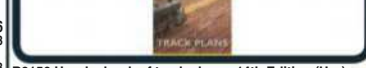
SL-E195 Finescale right hand medium point - electrofrog (Pec) £11.50



SL-E191 Finescale right hand small point - electrofrog (Pec) £10.50



SL-U1188 Left hand large radius bullhead rail point - unifrog (Pec) £26



SL-U1188 Right hand large radius bullhead rail point - unifrog (Pec) £26

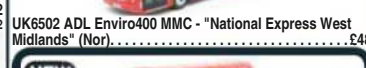
Railway publications

R8156 Hornby book of track plans - 14th Edition (Hor) **NEW** £9.50

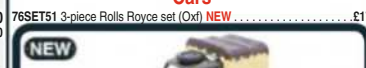
Buses



UK6502 ADL Enviro400 MMC - 'National Express West Midlands' (Nor) £48

34112 AEC RT Bus 'London Transport' (EFE) **NEW** £29.7176COM007 Commer Commando Skyways (Oxf) **NEW** £14

Cars

76SET51 3-piece Rolls Royce set (Oxf) **NEW** £1776TIL011 Austin Tilly No.1 MTT. Camberley 1945 (Subaltern Princess Elizabeth) (Oxf) **NEW** £576RR002 Rolls Royce Corniche Persian Sand (Oxf) **NEW** £676MNO09 Classic Mini Tweed Grey/OEW (Oxf) **NEW** £4.5076COR3009 Ford Cortina MkIII Sunset (Oxf) **NEW** £4.50

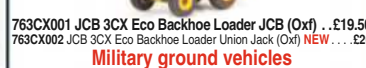
Commercial vehicles

76MB004 Messerschmitt KR200 Bubble Top Light Blue (Oxf) **NEW** £4.5076ATK004 Atkinson Cattle Truck - 'J Haydon and Sons' (Oxf) **NEW** £1376LW001 Living Wagon Maroon/Red (Oxf) **NEW** £1076MM060 Morris 1000 Van British Railways (Oxf) **NEW** £4.50

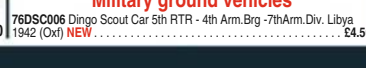
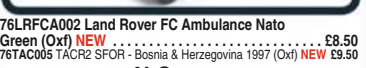
Farming & Construction



763CX001 JCB 3CX Eco Backhoe Loader JCB (Oxf) £19.50

763CX002 JCB 3CX Eco Backhoe Loader Union Jack (Oxf) **NEW** £20

Military ground vehicles

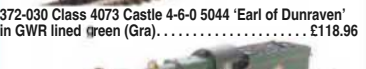
76SDC006 Dingo Scout Car 5th RTR - 4th Arm.Brig - 7th Arm.Div. Libya 1942 (Oxf) **NEW** £4.5076LRFCA002 Land Rover FC Ambulance Nato Green (Oxf) **NEW** £8.5076TAC005 TACR2 SFOR - Bosnia & Herzegovina 1997 (Oxf) **NEW** £9.50

N Gauge

Steam locos



372-030 Class 4073 Castle 4-6-0 5044 'Earl of Dunraven' in GWR lined green (Gra) £118.96



372-032 Class 4073 Castle 4-6-0 5070 'Sir Daniel Gooch' in BR lined green late crest (Gra) £118.96



372-536 Class 4MT Standard 2-6-4T 80119 BR lined black late crest (Gra) £101.96



372-184A Princess Coronation Class 4-6-2 46228 'Duchess of Rutland' in BR crimson late crest (Gra) £144.46

Steam train packs



25-011-005 Class A3 4-6-2 4472 'Flying Scotsman' in LNER apple green (as preserved) four Gresley teak coaches in maroon - light bar fitted (Dap) £198.90

Diesel locos



371-085A Class 25 D5177 in BR green (Gra) £101.96



2D-022-001S Class 68 68002 'Intrepid' DRS - DCC Sound fitted (Dap) £242.72



2D-022-006S Class 68 68007 'Valiant' Sootral - DCC Sound fitted (Dap) £242.72

DMUs

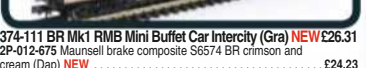
371-628 GWR Railcar W22W in BR Brunswick green speed whiskers (Gra) **NEW** £80.71

Train sets - digital

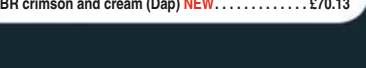


370-048 The Highlander Digital Train Set Class 37/4 in BR large logo blue and two Mk2 coaches in 'Kyle Line' green and cream (Gra) £229.46

Coaches

374-111 BR Mk1 RMB Mini Buffet Car Intercity (Gra) **NEW** £26.312P-012-675 Maunsell brake composite S6574 BR crimson and cream (Dap) **NEW** £24.232P-012-653 Maunsell brake third S3226 BR crimson and cream (Dap) **NEW** £24.232P-012-654 Maunsell brake third S3231 BR crimson and cream (Dap) **NEW** £24.23

2P-012-551 Pack of three Maunsell coaches - Set 392 - brake third, compartment third and brake third in BR green (Dap) £70.13

2P-012-800 Pack of three Maunsell coaches - Set 398 - brake third, compartment third and compartment third in BR crimson and cream (Dap) **NEW** £70.13

Visit

www.hattons.co.uk/preorder

for all forthcoming releases

Wagons

2F-013-051 4-wheel gunpowder van 299039 in LMS (Dap) **NEW** . . . £8.50
2F-013-052 4-wheel gunpowder van 299039 LMS - weathered (Dap) **NEW** . £9.50

NEW



2F-071-025 7-plank open wagon - "Bairds and Dalmellington Ltd" - weathered (Dap) **NEW** . . . £9

Model railway spares

SL-310 Rail Joiners/Fishplates for N & OO9 gauge (24 per pack) (Pec) £2

Track - Code 80 Setrack

ST-11 Double straight track (Pec) . . . £1.60
ST-6 Setrack left hand point insulfrog (Pec) . . . £8.50
ST-5 Setrack right hand point insulfrog (Pec) . . . £8.50

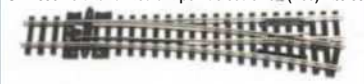
Track - Code 80 Streamline



SL-300 Pack of 25 1 yard (91.5cm) length of Wooden-Sleeper Nickel Silver Flexible track (Pec) . . . £64
SL-300 Single (Pec) . . . £3



SL-E396 Left hand medium point electrofrog (Pec) . £9.50



SL-E395 Right hand medium point electrofrog (Pec) £9.50

Track - Code 55 Finescale



SL-300F Pack of 30 1 yard (91.5cm) length of Finescale Nickel Silver flexible Wooden Sleeper track (Pec) . . . £84
SL-300F Single (Pec) . . . £3



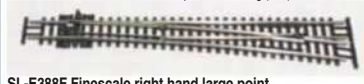
SL-E399F 3-way finescale turnout (Pec) . . . £28



SL-E390F Finescale double slip electrofrog (Pec) . . . £38



SL-E389F Finescale left hand large point electrofrog (Pec) . £11
SL-U396F Finescale left hand medium point unitfrog (Pec) . . . £10
SL-E392F Finescale left hand small point electrofrog (Pec) . £9.50



SL-E388F Finescale right hand large point electrofrog (Pec) . . . £11
SL-U395F Finescale right hand medium point unitfrog (Pec) . £10



SL-E391F Finescale right hand small point electrofrog (Pec) . . . £9.50

Buses

NNR005 New London Routemaster - "Propercorn" (Oxf) **NEW** . . . £8.50

Cars

NCOR3002 Corina MkIII Daytona Yellow (Oxf) **NEW** . . . £4
NMGB002 MGB Roadster Pale Primrose (Oxf) **NEW** . . . £4

Commercial vehicles

NEW



NSHL03TK Scania Highline tanker - "Eddie Stobart" (Oxf) **NEW** . . . £12
NTCAB005 Scania T Cab Tipper - "Tinnelly" (Oxf) **NEW** . . . £12

Military ground vehicles

NDSC002 Daimler Dingo 10th Mounted Rifles (Oxf) **NEW** . . . £4

Public Service vehicles

NMA002 Mercedes Ambulance London (Oxf) **NEW** . . . £5.50

O Gauge (1:43 Scale)

Steam locos

7S-026-005D Class 3F 'Jinty' 0-6-OT 47501 in BR black 'BRITISH RAILWAYS' lettering - DCC sound fitted (Dap) . . . £340



7S-007-002 Class 57xx 0-6-0PT pannier 5700 in Great Western Green (Dap) . . . £199.75



7S-007-001 Class 57xx 0-6-0PT pannier 5717 in BR Black early emblem (Dap) . . . £199.75



7S-024-004 Class 64xx 0-6-0PT pannier 6439 in BR lined green late crest (Dap) . . . £340
7S-025-002S Class 74xx 0-6-0PT pannier 7444 in BR black late crest - DCC sound fitted (Dap) . . . £467.50



7S-007-005 Class 8750 0-6-0PT pannier 3716 in BR Black late crest (Dap) . . . £199.75
7S-007-005S Class 8750 0-6-0PT pannier 3716 in BR Black late crest - DCC sound fitted (Dap) **NEW** . . . £357.60



7S-007-003 Class 8750 0-6-0PT pannier 9659 in GWR green (Dap) . . . £199.75
7S-007-003S Class 8750 0-6-0PT pannier 9659 in GWR green - DCC sound fitted (Dap) **NEW** . . . £357.60



7S-010-009 Class A1X Terrier 0-6-OT 643 "Gipsyhill" in LB&SCR marsh umber brown (Dap) . . . £191.25

Diesel locos



7D-008-009 Class 08 shunter D3002 in BR green late crest and wasp stripes (Dap) . . . £191.25
7D-008-009D Class 08 shunter D3002 in BR green late crest and wasp stripes - DCC sound fitted (Dap) . . . £340
7D-008-010D Class 08 shunter D316 in BR blue (without ladder) - DCC sound fitted (Dap) . . . £340



2012 Class 20 in BR blue full yellow ends; pre-TOPS style double arrows on the cabsides and 4-character headcodes (Hel) (RRP £599) . . . **BARGAIN** . . . £360



2013 Class 20 in BR blue full yellow ends; TOPS style double arrows on the bodysides and 'domino' headcodes (Hel) (RRP £599) . . . **BARGAIN** . . . £360



2010 Class 20 in BR green small yellow panels and 4-character headcodes (Hel) (RRP £599) **BARGAIN** . . . £340



2007 Class 20 in BR Railfreight grey full yellow ends, 1980s style warning flashes and headcode discs - Exclusive to Hatton's (Hel) . . . **BARGAIN** . . . £550

Coaches



7P-004-002 GWR 59' Auto Coach in GWR chocolate and cream twin cities crest (Dap) . . . £170



4994 Mk1 GUV full brake in BR green (Hel) (RRP £325) . . . **BARGAIN** . . . £190

Wagons



1050 100xx OAA in BR bauxite - early (Hel) (RRP £84.95) . . . **BARGAIN** . . . £39
1053 100xx OAA in Railfreight red and grey (Hel) (RRP £84.95) **BARGAIN** £39



1052 100xx OAA in Railfreight red and grey (Hel) (RRP £84.95) . . . **BARGAIN** . . . £39



1054 100xx ZDA (ex-OAA) in Civil Engineers Dutch grey and yellow (Hel) (RRP £84.95) . . . **BARGAIN** . . . £39
7F-030-003 16-ton steel mineral wagon Diagram 108 B144783 BR grey (Dap) . . . £38.25



1041 200xx VBA sliding door van in BR bauxite - late (Hel) (RRP £84.95) . . . **BARGAIN** . . . £39

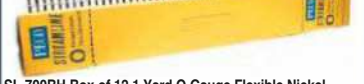


5051 Bogie covered IWB Cargowagon 2797591 in silver and blue - weathered (Hel) (RRP £189) **BARGAIN** . . . £89
5151 Bogie flat IWB Cargowagon 4647026 in silver and blue - weathered (Hel) (RRP £189) . . . **BARGAIN** . . . £89
5153 Bogie flat IWB Cargowagon 4647039 in Corus Rail - weathered (Hel) (RRP £189) . . . **BARGAIN** . . . £89

Track - Code 124 Bullhead Streamline



SL-7008B Box of 12 1 Yard O Gauge Flexible Nickel Silver Track (Bullhead Nickel Silver Rail) (Pec) . . . £75
SL-7008B Single (Pec) . . . £6.50



SL-E792BH Left hand point bullhead rail and electrofrog (Pec) . . . £43
SL-E791BH Right hand point bullhead rail and electrofrog (Pec) . £43
ST-725 Setrack Bullhead 2nd radius standard curve 410mm (16") radius 1020mm (40.5"). 16 make a circle (Pec) . . . £6
ST-U751 Setrack second radius Unitfrog left hand point (Pec) . £43
ST-U750 Setrack second radius Unitfrog right hand point (Pec) . £43

Cars

43AMBD9003 Aston Martin DB9 Coupe Cobalt Blue (Oxf) **NEW** . . . £21

43AMVT003 Aston Martin Vantage S Sunburst Yellow (Oxf) **NEW** . . . £21



VA12611 Ford Escort Mk2 1.6 Harrier, Strato Silver (Cor) **NEW** . . . £24



VA12511 Ford Fiesta Mk2 1.1 'Sandpiper', Roman Bronze & Solar Gold (Cor) **NEW** . . . £24



43JAG5002 Jaguar MKV DHC Closed British Racing Green (Oxf) . . . £21
43JAG8004 Jaguar MkVIII Carmen Red (Oxf) **NEW** . . . £20
43R25002 Rolls Royce 2530 - Thrupp & Maberley Two Tone Blue (Oxf) **NEW** £21
43RS0002 Rolls Royce Silver Dawn two tone grey (Oxf) **NEW** . . . £21.50



VA11509 Triumph TR5 - Jasmine Yellow (Cor) **NEW** . . . £24



VA06412 Vauxhall Cresta PA, Alpine Green & Glade Green (Cor) **NEW** . . . £24

Commercial vehicles

43LR35002 Land Rover Series 3 SWB hard top - "AA" (Oxf) **NEW** £14.50

43LR004 Land Rover Lightweight Canvas Berlin Scheme (Oxf) **NEW** . £14.50

Any or Multiple Scales

Analogue controllers

COMBI Combi 12v 1Amp Single Track Controller Transformer (Gau) . £34

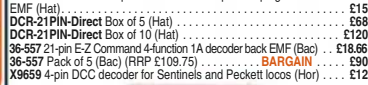


D Double/Twin track power controller (Gau) . . . £80

Digital decoders

Imperium1 "Imperium" 21 Pin MTC 6-function DCC decoder (Dap) £19.51
DCR-18Pin-Direct 18-pin 4-function 1.1Amp direct plug decoder back EMF (Hat) . . . £17
36-554 21-pin 3-function 2-sided 1A decoder back EMF for slow running (Bac) . . . £14.50

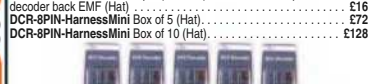
DCR-21PIN-Direct 21-pin 4-function 1.1Amp direct plug decoder back EMF (Hat) . . . £15
DCR-21PIN-Direct Box of 5 (Hat) . . . £120
36-557 21-pin E-Z Command 4-function 1A decoder back EMF (Bac) . £18.66
36-557 Pack of 5 (Bac) (RRP £109.75) . . . **BARGAIN** . . . £90
X9659 4-pin DCC decoder for Sentinels and Peckett locos (Hor) . £12



36-568 6 pin DCC decoder Back EMF and Railcom (Bac) £24.61
DCR-6PIN-Direct 6-pin 2-function 1.1Amp direct plug decoder back EMF (Hat) . . . £17
DCC23 6-pin 2-function 1A (2A peak) decoder (suitable for N gauge) (Gau) £23
DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128



DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128



DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128



DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat) . . . £16
DCR-8PIN-HarnessMini Box of 5 (Hat) . . . £72
DCR-8PIN-HarnessMini Box of 10 (Hat) . . . £128



GAUGEMASTER *Spotlight* Scenic Trees & Hedges



Ready-Made Trees

Our bulk pack of trees are an economical way of filling large areas at a keen price. These trees also make ideal starting points for providing extra detail using the complimentary range of **GAUGEMASTER** Scenics.

The heights of the trees are provided as generally model trees are suitable for all scales, unless where noted.



GM120
Deciduous Trees (25)
9cm to 15cm tall
£23.95



GM121
Mixed Forest Trees (25)
9cm to 15cm tall
£23.95



GM122
Fir Trees (25)
9cm to 15cm tall
£23.95



GM124
Spring Deciduous Trees (25)
9cm to 15cm tall
£23.95



GM125
Spruce Trees (25)
9cm to 15cm tall
£23.95



GM127
N Scale Mixed Trees (10)
4cm to 10cm tall
£10.95



GM128
Spring Trees (10)
8cm tall
£12.95



GM129
Summer Trees (10)
8cm tall
£12.95



GM132
Tree Pack Mixed (10)
10cm to 14cm
£12.95



GM180
Plum Trees (3)
8cm tall
£8.75



GM181
Plum Trees in Blossom (3)
8cm tall
£8.75



GM182
Fruit Trees (3)
8cm tall
£8.75



GM183
Apple Trees (3)
8cm tall
£8.75



GM184
Birch Trees (3)
8cm to 10cm tall
£8.75



GM185
Weeping Willow Trees (3)
8cm tall
£8.75



GM186
Poplar Trees (3)
12cm tall
£8.75



GM187
Pine Trees (3)
12cm tall
£9.75



GM189
Beech Trees (2)
12cm tall
£8.75

Seafoam Trees



This starter set enables you to create trees, bushes, and hedging with a realistic appearance. Seafoam is a natural product which can be 'planted' straight from the box if you wish, but adding scatter material with spray adhesive is well worth the effort.

GM195 Seafoam Tree Starter Set
£19.95



GM156
Light Green Scenic Leaves
£4.45



GM157
Mid Green Scenic Leaves
£4.45



GM158
Dark Green Scenic Leaves
£4.45

Grass Tufts

Ideal for building up vegetation on your layout.



GM162
Grass Tufts
Green
6mm (42)
£5.25



GM149
Plants
12mm
Green (42)
£5.25



GM163
Grass Tufts
Green
12mm (42)
£5.25



GM159
Plants
12mm
Yellow (42)
£5.25

Hedgerows and Lichen

Hedgerows and lichen can be used to add additional green features to your layout right out of the packet! Combined with flocks/scatters you can get some great effects.



GM160
Light Green Hedgerow
Most suited to OO/HO
Total Length 1 metre.
£7.75



GM161
Dark Green Hedgerow
Most suited to OO/HO
Total Length 1 metre.
£7.75



GM164
Light Green Lichen (80g)
£5.25



GM165
Dark Green Lichen (80g)
£5.25



GM166
Mixed Lichen (80g)
£5.25



GM194
Scenic Starter Set

The perfect way to begin scenic modelling - this pack contains a small selection of trees, flocks, scatters, ballast, glue scenic mat and a puffer bottle, in fact just about everything you need to get started in one convenient starter pack.

£24.95

Full details of our Scenics range can be found in the Gaugemaster Full Catalogue **AVAILABLE SUMMER 2018**. It also contains details of our Analogue and Digital Controllers, Point Control, Electrics and much more in the Gaugemaster range.

It also contains selected items from many of the other brands that we stock.

GM353 Gaugemaster Full Catalogue

£3.95

GAUGEMASTER products are available from your local Model Shop or, in case of difficulty, direct from ourselves.

GAUGEMASTER Controls Ltd, Gaugemaster House, Ford Road, Arundel, West Sussex, BN18 0BN, United Kingdom
tel - 01903 884321 Fax - 01903 884377 email - sales@gaugemaster.co.uk web - www.gaugemaster.com

A Comprehensive Model Railway System

PIKO

Offering great value for money, PIKO is definitely the range to look at for beginners to German railways and existing collectors alike, with a variety of starter sets on offer.



The PIKO HO Scale (1:87) range is split into three parts; Hobby, Classic, and Expert. The Hobby range is an inexpensive entrance into the world of model railways with high quality, robust models. The Expert range has detailed, robust DCC Ready locomotives. The Classic range mixes a high level of detail with sophisticated technology. The HO Scale A-Track has clear, simple geometry and a realistic appearance.



The PIKO N Scale (1:160) range features a modest selection of locomotives and stock, as well as a range of building kits. The locomotives run smoothly, with accurately printed liveries and DCC compatibility. This range includes many passenger multiple units that run around Europe, not just in Germany. This allows interesting commuter and inter-urban layouts to be modelled if they are based around a specific locomotive.



The PIKO G Scale (1:22.5) range covers locomotives, rolling stock, a track system, and a large range of building kits. It can be used both indoors and outdoors, and is great value for money. The locomotives feature directional lighting, and some even have sound and smoke. Stock from both Europe and the USA are featured in the range and the track is high quality and robust, and easy to lay.



TT Scale (1:120) is gaining in popularity, and PIKO produce a growing range of locomotives and rolling stock, including the famous ICE High Speed Train. A good 'compromise' scale, TT offers the detail of HO Scale but the space-saving convenience of N Scale. New modellers should definitely consider this scale, as many generic scenic materials can also be used to create layouts in TT Scale.



PIKO PRODUCTS ARE DISTRIBUTED IN THE UK BY GAUGEMASTER CONTROLS LTD. AND ARE AVAILABLE FROM YOUR LOCAL MODEL SHOP, OR, IN CASE OF DIFFICULTY, DIRECT FROM OURSELVES.

GAUGEMASTER Controls Ltd., Ford Road, Arundel, West Sussex, BN18 0BN, UNITED KINGDOM

tel - 01903 884488 fax - 01903 884377 email - sales@gaugemaster.com www.gaugemaster.com/piko

SETTLE-CARLISLE



SETTLE TO CARLISLE RAILWAY STATION

00 CODE PO333 - £23.00
N CODE PN933 - £14.00

SETTLE TO CARLISLE STATION MASTER'S HOUSE

00 SCALE CODE PO335 - £15.00
N SCALE CODE PN935 - £12.00



SETTLE TO CARLISLE STATION SHELTER

00 CODE PO334 - £11.50
N CODE PN934 - £8.00



STRUCTURES



DOUBLE TRACK VIADUCT

RED BRICK 00 CODE PO240 - £14.00
STONE 00 PO241 - £14.00
RED BRICK N CODE PN140 - £12.00
STONE N CODE PN141 - £12.00



RETAINING WALLS

RED BRICK 00 CODE PO244 - £13.50
STONE 00 CODE PO245 - £13.50
RED BRICK N CODE PN145 - £9.50
STONE N CODE PN144 - £9.50



DOUBLE TRACK TUNNEL ENTRANCE

00 CODE PO242 - £10.50
N CODE PN142 - £8.00



RAILWAY BRIDGE

RED BRICK 00 CODE PO246 - £14.50
STONE 00 CODE PO247 - £14.50
RED BRICK N CODE PN146 - £12.50
STONE N CODE PN147 - £12.50



TAPERED WALLS

RED BRICK 00 CODE PO248 - £13.50
STONE 00 CODE PO249 - £13.50
RED BRICK N CODE PN148 - £9.50
STONE N CODE PN149 - £9.50

COUNTRY



00/N PARISH CHURCH

00 CODE PO226 - £15.99
N CODE PN926 - £11.00

00/N WORKERS COTTAGES

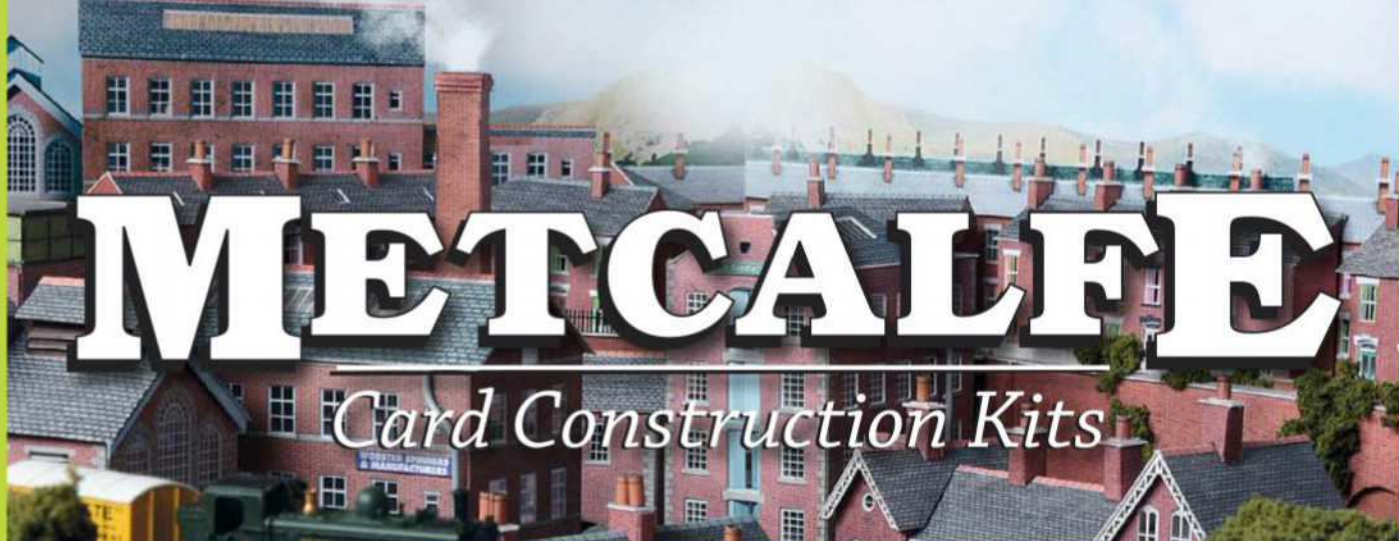
00 CODE PO255 - £12.50
N CODE PN155 - £10.00



00/N COACHING INN

00 CODE PO228 - £10.50
N CODE PN128 - £10.00





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

TOWN



LOW-RELIEF BANK AND SHOP
00 CODE PO271 - £11.50



N-SCALE SERVICE STATION

N CODE PN181 - £10.50

00 CODE PO281 - £14.00



LOW-RELIEF CINEMA
00 CODE PO206 - £10.50
N CODE PN170 - £6.50



00 LOW-RELIEF DEPARTMENT STORE
00 CODE PO279 - £14.00

TERRACED HOUSES
00 RED BRICK CODE PO261 - £10.50
00 STONE CODE PO262 - £10.50
N RED BRICK PN103 - £8.50
N STONE PN104 - £8.50



LOW RELIEF TERRACED FRONTS
00 RED BRICK CODE PO274 - £12.00
00 STONE CODE PO275 - £12.00
N RED BRICK PN174- £7.50
N STONE PN175 - £7.50



LOW RELIEF TERRACED BACKS
00 RED BRICK CODE PO276 - £12.00
00 STONE CODE PO277 - £12.00
N RED BRICK PN176- £8.00
N STONE PN177 - £8.00

MAKE GLUING EASY!

ULTRA FINE TIP GLUE APPLICATORS
CODE MT907 - £4.00

Please note: glue not included.





RAILS OF SHEFFIELD

railsofsheffield.com

Corporate Partners of

RAILWAY
MUSEUM**HORNBY®****HORNBY 2018 NEW RANGE!****HORNBY®**

R3600TTS	NBR, J36 CLASS, 0-6-0, 673 'MAUDE' WITH TTS SOUND	£127.50
R3603TTS	BR, LORD NELSON CLASS, 4-6-0 LOCOMOTIVE 30850 'LORD NELSON' WITH TTS SOUND!	£149.50
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
R3617	BR, REBUILT MERCHANT NAVY CLASS, 4-6-2, 35030 'ELDER DEMPSTER LINES'	£129.50
R3618	BR, REBUILT BATTLE OF BRITAIN CLASS, 4-6-2, 34050 'ROYAL OBSERVER CORPS'	£139.50
R3619	BR, CASTLE CLASS, 4-6-0, 5013 'ABERGAVENNY CASTLE'	£129.50
R3621	LNER J36 CLASS, 0-6-0 STEAM LOCOMOTIVE 722	£107.50
R3622	BR, J36 CLASS 'HAIG' 0-6-0 STEAM LOCOMOTIVE 67531	£107.50
R3623	LMS 'QUEEN ELIZABETH' PRINCESS CORONATION CLASS 4-6-2 STEAM LOCOMOTIVE 6221	£146.50
R3630	LNER A4 CLASS 'WOODCOCK' 4-6-2 STEAM LOCOMOTIVE 4493	£129.50
R3631	BR H CLASS 0-4-4T LOCOMOTIVE 31265	£99.50
R3632	BR 'EAST ASIATIC COMPANY' MERCHANT NAVY CLASS 4-6-2 STEAM LOCOMOTIVE 35024	£137.50
R3634	SR, 'SIR FRANCIS DRAKE' LORD NELSON CLASS 4-6-0 STEAM LOCOMOTIVE 851	£129.50
R3635	BR, 'LORD RODNEY' LORD NELSON CLASS 4-6-0 STEAM LOCOMOTIVE 30863	£129.50
R3638	BR, 'BIDEFORD' WEST COUNTRY CLASS 4-6-2 STEAM LOCOMOTIVE 34019	£142.50

R3639	LMS, 'KING GEORGE VI' PRINCESS CORONATION CLASS 4-6-2 STEAM LOCOMOTIVE 6244	£146.50
R3677	LMS 'DUCHESS OF HAMILTON' PRINCESS CORONATION CLASS 4-6-2 STEAM LOCOMOTIVE 6229	£146.50
R3580	CLASS 87 87035 ROBERT BURNS BR RAIL BLUE (CROSS ARM PANTOGRAPH)	£129.50
R3582	CLASS 87 010 KING ARTHUR BR INTERCITY SWALLOW LOGO (HIGH SPEED PANTOGRAPH)	£129.50
R3602TTS	BR INTERCITY, CLASS 43 HST, 'VALENTA' POWERED TRAIN PACK WITH TTS SOUND!	£229.50
R3606	PULLMAN, 5-BEL 'BRIGHTON BELLE' TRAIN PACK	£154.50
R4871	MATCHING COACH PACK: 5-BEL 'BRIGHTON BELLE' COACH PACK	£137.50
R3609	GWR, IEP BI-MODE CLASS 800/0 'QUEEN ELIZABETH II' & 'QUEEN VICTORIA' TRAIN PACK	£229.50
R4870	MATCHING COACH PACK: GWR, IEP BI-MODE CLASS 800/0 COACH PACK	£137.50
R4816	SR, MAUNSELL KITCHEN/DINING FIRST, 7869	£36.50
R4817	BR, MAUNSELL KITCHEN/DINING FIRST, S79465	£36.50
R3656	VIRGIN TRAINS CLASS 87 019 'SIR WINSTON CHURCHILL' BO-BO LOCOMOTIVE	£129.50
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

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.

*ALL popular
Manufacturers*

ALSO STOCKED AT BARGAIN PRICES!



Electroten

CORGI Jouef

SCALEXTRIC

Rivarossi

WOODLAND SCENICS
The World Leader in Model Scenery

METCALFE

model scene

HARBURN
HAMLET

Lenz

ELEKTRONIK



K&M

TREES



OXFORD

PLASTIC



MATHIESON

NEW

NOW STOCKING

LEGOMANBIFFO
HIGH QUALITY SOUNDS

REALTRACK

Revolution

SHIPPING COSTS: ROYAL MAIL 48 HOUR TRACKED £4.00: Royal Mail aim to deliver within 2 days of dispatch including Saturdays (this is not a guaranteed service and parcels can take longer to arrive).

ROYAL MAIL 24 HOUR TRACKED £5.00: Royal Mail aim to deliver within 1 day of dispatch including Saturdays (this is not a guaranteed service and parcels can take longer to arrive).

SPECIAL DELIVERY £8.50: Guaranteed delivery by 1pm the next day Monday to Saturday. With full track and trace system, your parcel is delivered speedily and securely (orders must be placed by 2pm to guarantee same day dispatch).

PARCEL FORCE COURIER SERVICE £7.50: Next day delivery for much of the UK, including Saturdays. Full track and trace system. Used for parcels over 1.8kg without packing or if you would like a speedy secure delivery of your parcel. This excludes the following post codes BT, JE, GY, IM, KW, IV, PA and PO30-44, KA27-28, PH17-26, PH49-50 and ZE. The cost for these postcodes is £12.00 and will be delivered within two to three working days (orders must be placed by 3pm to guarantee same day dispatch).

WORLDWIDE POSTAGE: For all orders outside the UK, postage will be charged at cost, based on the weight and size of the parcel.

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 0RL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.com

Web: railsofsheffield.com

[railsofsheffield](https://www.youtube.com/railsofsheffield)

[railsofsheffield](https://www.facebook.com/railsofsheffield)

[railssheffield](https://www.twitter.com/railssheffield)

[railsofsheffield](https://www.instagram.com/railsofsheffield)



RAILS OF SHEFFIELD

railsofsheffield.com

Corporate Partners of

RAILWAY
MUSEUM

WANTED

CASH OR EXCHANGE

WE WANT **ANYTHING** MODEL RAILWAY RELATED,
ANY AGE, ANY GAUGE, FROM A SINGLE ITEM TO A
LIFETIME COLLECTION. DISTANCE NO OBJECT.
PLEASE TELEPHONE, OR EMAIL YOUR LISTS TO
SECONDHAND@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

YouTube: railsofsheffield

Facebook: railsofsheffield

Twitter: railssheffield

Instagram: railsofsheffield



RAILS



railsofsheffield.com/exclusive

Corporate Partners of

RAILWAY MUSEUM

CLASS 66 614 'POPPY'

Freightliner Diesel Locomotive



EXCLUSIVE EDITION
BY BACHMANN FOR
RAILS LIMITED

DCC
READY

BUY NOW
£169.99



32-726X

CLASS 37 425 'CONCRETE BOB' BR Diesel Locomotive



EXCLUSIVE EDITION
BY BACHMANN
FOR RAILS LIMITED

DCC
READY

£149.95



32-384Y



RAILS OF SHEFFIELD

Corporate Partners of

RAILWAY MUSEUM

NEW SHOWROOM

Visit our fabulous new showroom featuring a massive range of new, pre-owned and rare models on display. All gauges, all ages, European, American and from around the world.

Whether you're just starting off in model railways or you're a lifetime collector you will find there is something for everyone.



OPENING TIMES: 9am to 5pm (Mon to Sat) **ADDRESS:** 21-29 Chesterfield Road, Sheffield, England, S8 ORL, UK

PARKING: There is free parking right outside our shop between 9:30 to 16:00 and plenty of alternative parking in the surrounding area.

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 ORL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.com

Web: railsofsheffield.com

[railsofsheffield](https://www.youtube.com/railsofsheffield)

[railsofsheffield](https://www.facebook.com/railsofsheffield)

[railssheffield](https://twitter.com/railssheffield)

[railsofsheffield](https://www.instagram.com/railsofsheffield)



RAILS



railsofsheffield.com/exclusive

Corporate Partners of

**RAILWAY
MUSEUM**

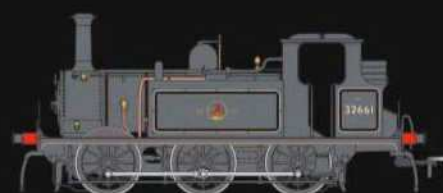
STROUDLEY A1 / A1X **TERRIER 0-6-0**

NEWLY TOOLED OO GAUGE MODEL

IN
PARTNERSHIP
WITH

dapol

Model Railway Company



PRE-ORDER NOW!
DCC READY VERSION £110

**6 VERSIONS
AVAILABLE**

**Secure yours for
ONLY £30 DEPOSIT**

Expected Q4 2018

CALEDONIAN CLASS 812



Courtesy of: Hugh Llewelyn

**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



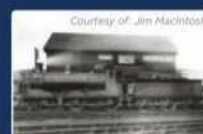
IN
ASSOCIATION
WITH



**PRE-ORDER
NOW!**

**ONLY
£30 DEPOSIT**

OO GAUGE MODEL



Courtesy of: Jim Macintosh



Courtesy of: Colour Rail



Courtesy of: Jim Macintosh

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 0RL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.com

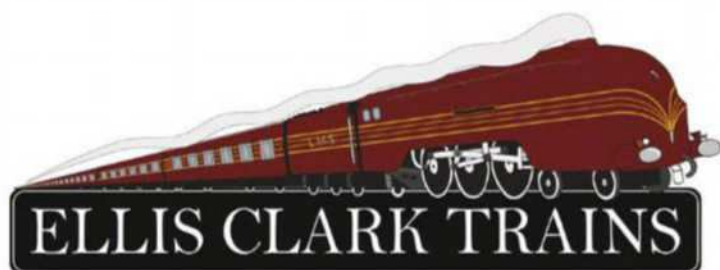
Web: railsofsheffield.com

[railsofsheffield](https://www.youtube.com/railsofsheffield)

[railsofsheffield](https://www.facebook.com/railsofsheffield)

[railsofsheffield](https://www.instagram.com/railsofsheffield)

[railsofsheffield](https://www.tiktok.com/railsofsheffield)



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



WANTED

**TOP PRICES PAID FOR YOUR COLLECTIONS
OF MODEL RAILWAYS, DIECAST & TINPLATE**
For more info call Ellis on 07799 554491

- ◆ Call, email or post a list
- ◆ All makes, gauges and ages considered
- ◆ British, Continental and American
- ◆ All gauges of kit/scratch built and live steam
- ◆ Diecast & tinplate cars, lorries, planes, soldiers
- ◆ Payment in your preferred method
- ◆ Happy to travel nationwide and view or collect
- ◆ Friendly and professional service
- ◆ Large collections a speciality



T 01756 701451
M 07799 554491
E ellis@ellisclarktrains.com
W ellisclarktrains.com

**NEW
PRODUCTS
ADDED
WEEKLY**

RTR FINESCALE 'O' GAUGE MK1 COACHES

FEATURING BRASS SIDES, SUPER-DETAILED INTERIORS WITH LIGHTS & MANY MORE FEATURES.

"I THINK THE CONSTRUCTION METHODOLOGY IS A TOUR DE FORCE."

ROBIN MCHUGH, GOG REVIEWER

ONLY £189 EACH

AVAILABLE IN 6 LIVERIES. IN STOCK NOW: BSK, SK, CK, TSO, BCK & FK.

Other coach types available for pre-order:



SLE/S Sleepers



Miniature Buffet



57' Full Brake



Restaurant Second Open



Restaurant/Kitchen



Restaurant First Open



RTR 57' BR MK1 SUBURBAN COACHES

AVAILABLE FOR PRE-ORDER EXCLUSIVELY THROUGH ELLIS CLARK TRAINS. AVAILABLE Q4.

FEATURING:

- ✓ Brass sides
- ✓ Super-detailed interiors with lights
- ✓ Professionally painted & lined
- ✓ Die-cast underframe
- ✓ Compensated all-new MK1 bogies

PRE-ORDER IN MAROON (LINED & UNLINED), CRIMSON & BLUE:

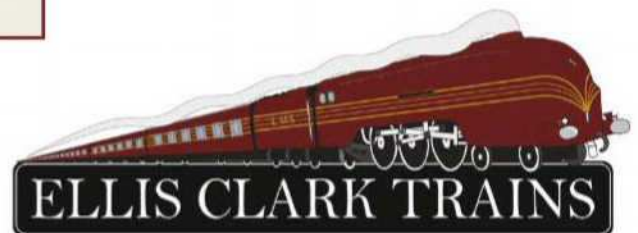
- ✓ Composite
- ✓ Composite (with lavatory)
- ✓ Brake Second
- ✓ Open Second
- ✓ Second
- ✓ Second (with lavatory)

**PART-EX
AVAILABLE
on all
DARSTAED**

ONLY £169 EACH

For more info visit:

ellisclarktrains.com/pages/darstaed



**ONLY AVAILABLE THROUGH
ELLIS CLARK TRAINS**

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

ellis@ellisclarktrains.com ♦ 01756 701451 or 07799 554491 ♦ ellisclarktrains.com





www.lanetopmodels.co.uk



Get 15% off your first order with
coupon code **adfod15**

- ◆ *Free UK delivery on all orders over £15*
- ◆ *Pre-order future releases*
- ◆ *Loyalty Points*
- ◆ *Gift vouchers*



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

7S-007-003 0 gauge GWR 57xx
unnumbered.....£199.75
7S-007-003U 0 gauge GWR 57xx
unnumbered.....£199.75
7S-007-005 0 gauge BR 57xx
unnumbered.....£199.75

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	Serby Hall.....	£116.45
R3004X	Serby 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
R3318	B17 BR Early Gillwell.....	£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
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
R3432	B12 BR Late.....	£127.95
R3414	LNER J15.....	£99.45
R3445	BR W.C. Camelford.....	£147.45
R3452	BR Grange.....	£119.25

Mail Order Service

All prices valid to 30.06.18
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.

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
R3468	BoB 603 Sqdn.....	£144.45
R3499	BR Hall Class.....	£72.45
R3522	BR A4 Miles Beavor.....	£134.45
R3525	BoB Archibald Sinclair.....	£131.99
R3534	GWR King.....	£157.00
R3552	GWR Grange.....	£119.25
R3553	LMS Duchess.....	£159.45
R3559	SR Q1.....	£89.45
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
R3588	LNER B17.....	£76.50

Train Packs/Sets

30-285	The Midlander Set.....	£178.45
R1180	Postal Express Set.....	£124.45
R3272m	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 reight pack.....	£128.95

HORNBY Diesel Electric Locomotives

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

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
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
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
31-128	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
32-304A	GWR 2251.....	£97.70
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
31-783	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 withd.....	£297.45
31-269	MLV Jaffa.....	£83.26
31-366	Class 03 BR Green.....	£70.50
31-679	Class 85 Electric Blue.....	£118.45
31-660A	BR Class 47 L/L.....	£135.95
31-663	BR Class 47 Rft.....	£135.95
32-533	Class 55 Green weathered.....	£131.70
32-981	Class 66 Freightliner.....	£127.45
32-993	Wickhams Trolley Yellow.....	£67.95
32-034A	Class 20 BR Green.....	£97.70
32-038DS	Class 20 BR Blue.....	£195.45
32-066	Class 43 BR Green.....	£118.95
32-786	Class 37 EWS.....	£106.20
31-327	CL105 BR Green.....	£79.45
31-535	CL105 BR Blue Power Twin.....	£84.45
32-928	Class 150 Sprinter.....	£135.95
32-937	Class 150 Centro.....	£127.45
32-992	Wickhams Trolley Yellow.....	£67.95
31-677	CL85 BR Blue.....	£85.99
31-575	Windhoff MPV NWR.....	£104.00
31-576DC	Windhoff MPV NWR.....	£114.00
31-577	Windhoff Railtrack.....	£104.00

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
DMJ00J94-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
14091	Class 14 Green.....	£109.95
14111	Class 14 NCB.....	£109.95
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

Harburn Hobbies, 67 Elm Row, Edinburgh EH7 4AQ
Tel. 0131 556 3233 Web. www.harburns.co.uk

P&P £3.00 per order

HARBURN HAMLET
Acclaimed Accessories

Accessories for gardens, stations & yards, roadsides, and all around the countryside
Much more to find on the web: www.harburns.co.uk

'N' scale

HN613 Raised bed £7.50 HN614 Raised bed/seat £7.50 HN603 Flower bed £7.50

HN620 Round bales (2) £4.95 HN622 Rectangular bales £6.50

HN621 Bales stacked £7.50

HN661 Hump bridge £16.95 HN615 Allotment with shed £16.95 HN617 Vegetable patch £13.95 HN616 Allotment with hut £16.95

'OO' scale

Fill vacant corners the easy way with 'Corner Creations'

NEW! FL106 'Corner Creations' steam depot detail £10.70

NEW! S5394 'Corner Creations' garage detail £10.70

CG224 Pigeon Loft £10.50 CG228 Poultry Shed with nest boxes £16.58

NEW! CG238 Free range Hen House £10.95

Ready painted Ready to place and appreciate!

Please refer to our website for sizes: www.harburns.co.uk

SS359 Isambard Kingdom Brunel Statue £19.95 SS363 Queen Victoria Statue £19.95

TOWNSTREET From the stonecast range that brings realism to your layout.

MODEL ARCHITECTURE AT ITS FINEST
NEW "OO" GWR COALING STAGE £67.50

A selection of our kits include:

Citadel Station.....	£97.50
North Light Engine Shed.....	£69.50
LNWR 'Coal Hole'.....	£55.00
Large Signal Box.....	£52.00
Concrete Ash Plant.....	£68.50
Concrete Coaling Plant.....	£69.50
Louvre Roof Engine Shed.....	£69.50
Stone Stations.....	from £49.50
Brick Station.....	from £39.50
Brick/Stone Water Tower.....	£22.50
Brick/Stone Goods Shed.....	£48.50
Brick/Stone Engine Shed.....	from £43.50
Brick/Stone Signal Box.....	from £39.50
Sand House.....	£36.50

PLEASE ADD £4.60 P&P

60 page "OO" catalogue. Full of buildings, bridges, platforms and ideas for your layout £3.80 post free.

TOWNSTREET
6 KIRKILL, BLENCARN,
Nr. PENRITH, CUMBRIA CA10 1TZ
MAIL ORDER ONLY PLEASE
MON TO FRI 2-8pm
Tel: 01768 88456

See our new website which details all of our products
www.townstreetuk.co.uk

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

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

MORLEY CONTROLLERS

Experience the ultimate in controller technology!

Fully tested and guaranteed for 5 years

VANGUARD ZERO ONE
• 2 x 5mtr hand held controllers
• 1 x 12V DC accessory
• 0 gauge
£127
PLUS £6.90 P&P

VECTOR ZERO TWO
• 2 x 2.5mtr hand held controllers
• 1 x 12V DC accessory
• OO/HO/N/OO9 gauge
(1 amp per track)
£75
PLUS £4.80 P&P

VESTA ZERO TWO
• 2 x 2.5mtr hand held controllers
• 1 x 12V DC accessory
• N gauge
£75
PLUS £4.80 P&P

VORTAK ZERO TEN
• 2 x 5mtr hand held controllers
• OO/HO/N/OO9 gauge (1 amp per track)
• 2 x 12V DC accessories
£135
PLUS £6.90 P&P

Each controller has state-of-the-art design, offering very best performance capability. Slow and fast speeds are superb. Internal separate transformers for each track from 220/240 AC mains and on-board CDU for point motors.

www.morleycontrollers.com
(Secure order site)

01704 533 116
(Overseas enquiries +44 1704 533 116)

jet@morleycontrollers.com

PO Box 501, Southport, PR9 9ZL
Also at PO Box 1230, Wangara BC, Perth, Western Australia 6947
Tel: 0421 359 487. <http://aus.morleycontrollers.com>

50
BTVR
ESTABLISHED 1989

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**

SPRUE

PECO

AIRFIX

BACHMANN
BRANCH LINE

and much more!

GIFT VOUCHERS AVAILABLE

VISA **PayPal** MasterCard

Models moved to No9 and Games Workshop/Spares Dept at No7. We now have a R/C Department at No7

Open 5 days a week 9am-5pm (Both shops closed Wednesday & Sunday)

7/9 High Street, Eastleigh, Hants. SO50 5LB

email: info@acmodelseastleigh.co.uk

Easy sound, lighting & control for all!

NEW Ground Signals



- 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

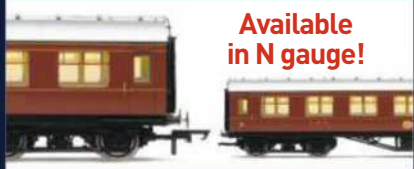
DC & DCC fitted versions



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



DCP Express
Bryon Court
Bow Street
Great Ellingham
NR17 1JB

01953 457800 / www.Train-Tech.com sales@dcpmicro.com

£4 UK P&P - this month quote MR251 for £2 off postage!



.55H.

FOR MODELLERS WHO REQUIRE QUALITY, ACCURACY, PERFORMANCE & DURABILITY

The new name in brass O gauge RTR locomotives, built to the highest standards

Fully finished by FM Models in South Korea, designed and developed in conjunction with L H Loveless



www.55H.co.uk
www.loveless.co.uk

55H Unit 3 Fulford Business Centre,
35 Hospital Fields Road, York YO10 4DZ
Tel: 01132 761759 / John@55h.co.uk
01423 712446 / Lawrie@loveless.co.uk

55H is a TRADING NAME of FINE SCALE BRASS

9F IN STOCK NOW!



WHY WAIT AND PAY MORE?

4 versions, choice of numbers BR1G, BR1C, BR1D and BR1F tenders, single/double chimney and Tyne Dock, late/early crests.

- £2300.00 DC
- £2650.00 DCC & sound
- £3000.00 DCC, sound & sync. smoke



NOW IN PRODUCTION!



© Cliff Williams

In production for delivery early-2019 7MT "Britannia" class and 8P Duke of Gloucester, choice of names, tenders, smoke deflectors, front steps and crests. Fully finished by the factory and ready to run on delivery.

- £2600.00 DC
- £2950.00 DCC & sound (UK fitted)
- £3300.00 DCC, sound & sync. smoke

The Railway Enthusiasts' Club 2018 MODEL RAILWAY EXHIBITION



Saturday 8th September 2018 10:30am to 5:30pm
Sunday 9th September 2018 10:00am to 5:00pm

WOKING LEISURE CENTRE

WOKING PARK, KINGFIELD ROAD, WOKING. GU22 9BA



Admission: Adults £8.00; Children £3.00
(One accompanied child free with an adult)

The Railway Enthusiasts' Club, PO Box 73, Farnborough, Hampshire GU14 8JG
For further information please telephone 01252 542 574
Website: www.recexhibition.org.uk
(Details correct at time of publication)



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

THE PERFECT LOCATION FOR A MODEL RAILWAY

CRANE
GARDEN BUILDINGS



• SHEDS • WORKSHOPS • SUMMERHOUSES • GARAGES • STUDIOS •



**NATIONWIDE FREE DELIVERY AND
INSTALLATION**

www.cranegardenbuildings.co.uk

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.

Telephone 01760 444229



Sig-naTrak®

Model railway electronics by GFB Designs

Our DCC controller - updated - more features!

- ★ 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
- ★ USB interface for updating AND computer control
- ★ Generous 5A output!

The ACE-2 (DCS2044-2H)
 NMRA-compliant DCC controller with full decoder programming and reading functions. Interfaces for XpressNet and LocoNet under development!
 Compact: only 220x150x45mm!

£249.00

and for accessories.....

The IMP (part no: DSI1001)
 Servo controller - DCC or DC.
£16.00

The GEM (part no: DPD2001)
 Point motor - DCC or DC.
£19.00

The DRIVER
 (BHS1204)
 ACE Handset.
£28.00

See website or send large-letter SAE for more details. (prices inc. VAT, p+p extra)
GFB Designs - WE put YOU in control!

Layout control modules - DCC or LocoNet™

DAC20 Accessory Decoder - 8 outputs, built-in CDU.	£65.00
SIGM20 Colour-light Signal Controller - 6 or 8 outputs.	£54.00
DTM30 Digital Tower Master - 30 inputs & outputs.	£63.00
DSS1 Loco Shuttle - automatic train running sequences.	£60.00
TXC1 Turntable Controller - automatic indexing.	£80.00
MSC8 Scenery Animator - control lights, motors & servos.	£30.00

67 Boddens Hill Road, Stockport, SK4 2DG
Tel: 0161 883 2022; fax: 0161 883 2077
 (Callers by appointment only, please.)
Email: info@signatrak.co.uk; Web: www.signatrak.co.uk



FINESCALE

TRACK BUILDING SYSTEMS



We have O Gauge products from Dapol, Peco, Gaugemaster, Parkside and Slaters Plastikard
 For current exhibition listing please check our website.

TRACK BUILDING MATERIALS FROM C & L FINESCALE AND BRITISH FINESCALE FINETRAX TRACK SYSTEM

Ranges in 4MM OO, EM P4, and 7MM O Gauge

Office hours 10.00 to 14.00 Mon, Tues, Thurs. 14.00 to 19.00 Weds. Closed Fri.
 C & L Finescale Track Building Systems Ltd
 125 Beaver House, 12 East Street, Epsom KT17 1BX
 Telephone **01372 748490**
www.finescale.org.uk



mustard jar

CO.UK

Shop your way to affordable car insurance
 with cash rewards from mustard jar



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



31-590 - Class 70 70015 Freightliner
 Air Intake Modifications (OO) - £144.50



371-628 - GWR Railcar W22W BR Brunswick Green
 Speed Whiskers (N) - £80.75



HELJAN New Release of OO HYMEKS **HELJAN**

3527 - BR Green D7000 - £129



31-591 - Class 70 70805 Colas
 Air Intake Modifications (OO) - £144.50



371-629 - GWR Railcar W20 GWR Chocolate & Cream
 Shirt Button Emblem (N) - £80.75



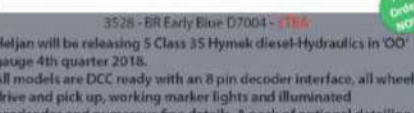
3528 - BR Early Blue D7004 - £129



38-046 - 31 Tonne OBA Open Wagon
 BR Railfreight Distribution (OO) - £21.25



38-041C - 31 Tonne OBA Open Wagon
 BR Railfreight (OO) - £21.25



Heljan will be releasing 5 Class 35 Hymek diesel-Hydraulics in 'OO' gauge 4th quarter 2018.
 All models are DCC ready with an 8 pin decoder interface, all wheel drive and pick up, working marker lights and illuminated headcodes and numerous fine details. A pack of optional detailing parts is also supplied, including three piece miniature snowploughs.
 Pre-orders are being taken now. Don't miss out - Order yours today!



Exclusive Model Coming Soon

Peco 7 plank Coal Wagon, 'Lister & Co' Manningham Mills, Bradford - 4 versions two running numbers, clean or weathered (N) - £9.99



32-227D5 - Fowler Class 3F 0-6-0 'Jinty'
 7365 LMS Black - DCC Sound (OO) - £182.99



R4685A - BR Collett 'Bow Ended' Corridor 3rd RH 'W4925W' (OO) - £40.50

Also Available:

- R4684A - BR Collett 'Bow Ended' Corridor 3rd.
- 'W4910W' - OO - £40.50
- R4687A - BR Collett 'Bow Ended' Corridor Composite 3rd, LH
- 'W6146W' - OO - £40.50
- R4688A - BR Collett 'Bow Ended' Corridor Composite 3rd, RH
- 'W6145W' - OO - £40.50

HORNBY

R4684A - BR Collett 'Bow Ended' Corridor 3rd.

DCC Sound & DCC Decoder Fitting Weathering & Renamer / Renumber

Up to £25 order value is £2.99
 Over £25 order value is £4.99
 Over £150 order value **FREE!**

POSTAGE
 UK Mainland Only

OPENING HOURS: MONDAY to SATURDAY (CLOSED WEDNESDAY) 9.30 - 5.30

POSTAGE
 UK Mainland Only



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-Ciruits, 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

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)

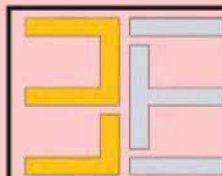
A1* Semi-det. houses	B4 Platform accessories	C3 Country goods shed	E6* Georgian house backs
A2 Garage w. pumps	B5* Signal boxes	C4 Gas holder etc	F1* Row of stone cottages
A3* Church ('OO needs A4)	B6A Tunnel mouths, green granite ('OO only)	D1 2 thatched cottages	F2* Stone smithy & house
A4 Public house	B6C Tunnel mouths, brown stone ('OO only)	D2 Farm outbuildings	F3 Stone chapel
A5 School / village hall	B7 Viaduct & lock-ups	D3 Large barn	F4* Stone hotel / inn
A6 Walls, fences, etc.	C1 Coaling stage etc	D4* Half timbered house	F5* Stone school / w/house
B1 Country station	C2 Water & oil tanks ('N)	D5 Library or shops	F6 Walls, fences, paving etc
B2* Factory or dairy		D6 Town house, shops etc	G1* Low relief row of shops
B3* 2-road engine shed		E1 Det. house or 2 semi's	G2 Brick houses / shop
		E2 Bungalow & garage	G3 "Scats" Warehouse
		E3 Post-war flats	G4 Goods receiving depot
		E4 Police stn / offices	* NB TEMP OUT-OF-PRINT:
		E5 Fire station	'OO' A1, B2, E8, F1, F2, G1,
			'N' A3, B3, B5, 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

28 Newland Mill, Witney
Oxfordshire OX28 3HH

Tel: 01993 775979
Web: www.freestonemodell.co.uk
e: sales@freestonemodell.co.uk



EILEEN'S EMPORIUM

Mail order: Unit 19.12 Highnam Business Centre
Newent Road, Gloucester, GL2 8DN, ENGLAND
Visitors welcome by appointment only

Tel: 01531 828009

sales@eileensemporium.com

www.eileensemporium.com

For Plastics Tools and Solvents

*Sheets and Sections: Evergreen, Plastruct, Maquett, Slaters
Styrene Sheet, Black, White and Clear
Swann Moreton Knives and Blades
X-Acto Knives and Blades
Wide range of Solvents
And So Much More*

Visit our webshop www.eileensemporium.com

NEW from Scalescenes.com

→ scaleglaze

An wide range of handy Scalescenes compatible white screenprinted windows

Also great for scratchbuilders!

View our large range of N and OO kits and texture sheets

OO & N

scale scenes .com

**A FANTASTIC TWO DAY EVENT
IN O GAUGE - A GREAT SHOW
FOR ALL RAILWAY MODELLERS**

GUILDEX2018

Telford International Centre

St. Quentin Gate, TELFORD, Shropshire TF3 4JH

Saturday 1st September 10.00-17.00

Sunday 2nd September 10.00-16.00

**Visiting layouts Demonstrators
Bring & Buy 120+ traders**

ADMISSION

MEMBERS £10 NON MEMBERS £15

ALL TICKETS ARE FAMILY TICKETS THEY ALSO ADMIT
PARTNER & TWO CHILDREN U16

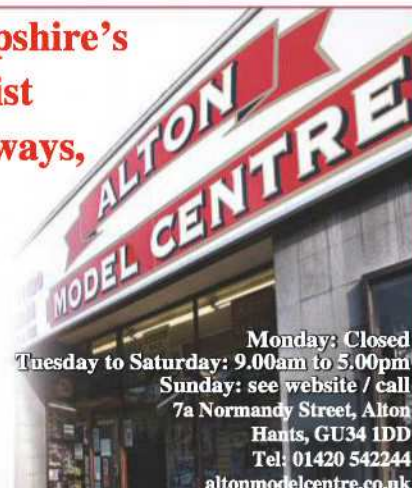


Advance tickets from: Alan Jones,
8 Upper Coltbridge Terrace, Murrayfield, Edinburgh EH12 6AD

Find out why so many modellers are moving to O gauge

More info at www.gauge0guild.com

**Possibly Hampshire's
Largest Stockist
of Model Railways,
Die-Cast,
Books,
Magazines,
Scalextric
and much
more.**



Monday: Closed
Tuesday to Saturday: 9.00am to 5.00pm
Sunday: see website / call
7a Normandy Street, Alton
Hants, GU34 1DD
Tel: 01420 542244
altonmodelcentre.co.uk

Full range of model railway products from the leading manufacturers including:

Hornby, Bachmann, Dapol, DJ Models, Graham Farish, Heljan, Oxford Rail, Peco, Dapol, Ratio, Wills, Superquick, Metcalfe, Gaugemaster, Parkside, Railmatch, South Eastern Finecast, Woodland Scenics and many, many more.

DCC equipment from DCC Concepts, ESU, Gaugemaster, Hornby and Bachmann. Sound decoders from South West Digital.

Also stockists of Die cast models including:
Corgi, EFE, Oxford Die-Cast, Base Toys & Classix.

Modelling materials & tools.

Vallejo Model Colour
AK pigments and washes

Wide selection of books, DVDs, videos and magazines.

-WANTED- MODEL RAILWAY AND COLLECTABLES

Small or large collections
in any scale.

Almost anything will be
considered

Top cash prices paid

01302 371623

07526768178

ANORAKS ANONYMOUS

anoraksanonymous@googlemail.com



OSBORN'S MODELS

ARCH
LASERS

CLASSICS

DOING 'N' SCALE
on a
BIG SCALE

OSBORN'S
MODELS

NEW STATION BUILDING

7 HONESTONE ST, BIDEFORD, N. DEVON, EX39 2DL 01237 423453

www.osbornsmodels.com



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

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, 00 & 0 scales. Bespoke service for ALL other scales

Please visit our website to view all our products

Laser-cut accessories

York Modelmaking

Printed price lists available

01904

Unit 13, Bull Centre, Stockton-on-the-Forest, York, YO32 9LE

400358

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.

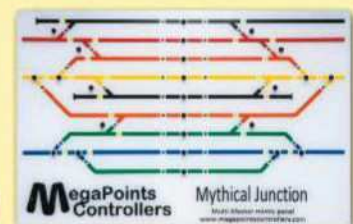
See website videos and product pages for more information.

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

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 Brighthouse Business Village, Riverside Park, Middlesbrough, Cleveland TS2 1RT



Tel: 01642 909794

Open Mon-Sat 10am-5pm

Web: www.petersspares.com

Email: sales@petersspares.com



GAUGEMASTER



DESPERATION CONTEMPLATION GRATIFICATION

Get your retail therapy at

C&M Models

1 Crosby Street, Carlisle CA1 1DQ Tel: 01228 514689

Web: www.candmmodels.co.uk

E-mail: sales@candmmodels.co.uk

Opening Hours: Tuesday to Saturday, 10a.m. to 5p.m.



3D printed body kits
LNER Scale Drawings.

Components (CAD work and printing)

27 Grange Road, Toddington, Dunstable LU5 6BZ

www.isinglass-models.co.uk

Email: Andy@isinglass-models.co.uk



MODEL RAIL IS NOW ON THE iPad

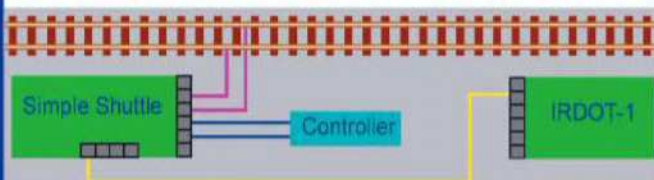
Created for the iPad, Model Rail is now available from the App Store.
You are now able to enjoy Model Rail photography as you have never seen it before, plus videos, picture galleries, sound samples and much more...

GET YOUR FREE SAMPLER AT THE APP STORE



www.heathcote-electronics.co.uk

The **SIMPLE SHUTTLE** controls a train running backwards and forwards. Trains pause for an adjustable delay at each end of the line. The Simple Shuttle has built in infra red train detection. An IRDOT-1 provides detection at the other end of the line. Advantages include: works in light or dark and no modifications to track or rolling stock.



Wiring is simple. Apart from connections to a 12 to 16 volt (AC or DC) power supply the diagram shows all the wiring. The Simple Shuttle can also be used where there are sidings at one end of the line. A train arrives in one siding, the points automatically change and a different train departs after the delay. This uses a simple shuttle and an IRDOT-P at the end of every siding. Track power is obtained from a conventional controller.

Special offer, valid for this issue:

Simple Shuttle plus IRDOT-1 £31.50 including post

For fast trains where gradual slowing and acceleration are required we have a range of controls for shuttles with and without sidings, station stops, passing loops, automatic storage sidings etc.

We also have a range of infra red train detectors and signal controls for semaphore and colour light signals.

See our informative website for information about all our products

www.heathcote-electronics.co.uk

email: cah@heathcote-electronics.co.uk phone: 01538 756800

Heathcote Electronics, 1 Haydock Close, Cheadle, Staffs, ST10 1UE

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

ELEVATION THROUGH INNOVATION
NELEVATION
Designed and made in England

The Revolutionary Fiddle Yard



email: info@Nelevation.com
[www.Nelevation.com/Model Rail](http://www.Nelevation.com/ModelRail)
Tel. 01487 825317

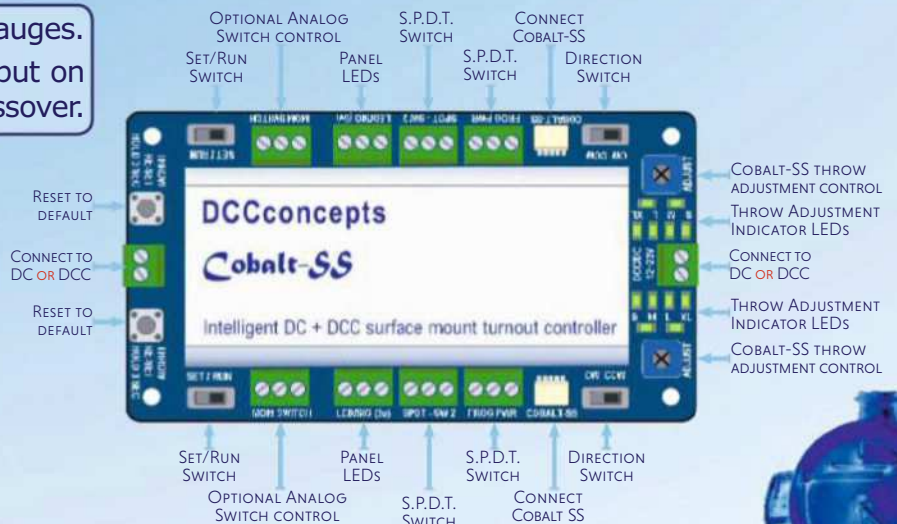
DCC thinking outside the square
concepts

Cobalt-SS

Cobalt-SS. The ultra-small motor drive turnout motor, ready to go "as is" to use with DC or DCC.
So small that it can be almost hidden in the ballast, yet strong enough for all common scales.
Very stable stepper motors provide the drive power... and all motor connections are plug-and-play.

Cobalt-SS works with all common scales & gauges.
All you will need is in every pack. Each output on
the control board is able to operate a full crossover.

This picture of Cobalt-SS
is presented here full size



DCCconcepts Ltd., Unit E, The Sidings, Settle, North Yorkshire, BD24 9RP, UK

We welcome modellers in all scales and prototypes... and those knowledgeable, specialised dealers who learn about the products they sell and care about their customers from all around the world.

Ph +44 (0) 1729 821 080 * sales@dccconcepts.com * www.dccconcepts.com

LX050-00 Modular Catenary
Packs Start At Just £12.95

LASER CUT TRACKSIDE ACCESSORIES IN OO



Modular Catenary Masts & Headspans For 2, 3, 4 Or More Tracks!
A Choice Of Head Span & Mast Styles Available - Mix & Match!

scalemodelscenery.co.uk

Order online or call 01530 456952

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

TRAINTEES
LEISUREWEAR WITH A RAILWAY THEME



THE WIDEST RANGE OF RAILWAY THEMED LEISUREWEAR IN THE U.K.
SHORT AND LONG SLEEVE TEE-SHIRTS, SWEATSHIRTS & POLOS.
VIEW & BUY ONLINE OR 'PHONE 01793 764091 FOR ORDER FORM

www.traintees.co.uk

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

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

THE HOBBY SHOP
Est. 1988

www.hobb-e-mail.com 01795 531666 info@hobb-e-mail.com

COMING AUGUST 2018



New address:
85 Preston Street, Faversham, Kent, ME13 8NU

MORRIS MODELS
NORTH LANCING

80 Manor Road, N Lancing, West Sussex, BN15 0HD
Tel 01903 754850
www.morris-models.co.uk
info@morrismodels.co.uk

We are between Brighton & Worthing, just off A27 west of Shoreham Airport

BRITISH RAILWAYS
HORNBY, GRAHAM FARISH, PECO, DAPOL, HELJAN
PLUS MANY OTHER RANGES OF SCENIC MATERIALS, 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
FLEISCHMANN, Roco, BRAWA, TRIX, herpa, FALLER, Preiser
PLUS MANY OTHER RANGES OF SCENIC MATERIALS, BUILDINGS, VEHICLES etc



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

Revolution Available **CAVALEX**
OO TEA Tankers to pre-order Models
now OO PGA Hoppers £29.95 each



Single Wagons (all varieties) £47.95
Triple-Packs (all varieties) £145.00

DCC & Sound Fitting. Repairs & Servicing. Models detailed & weathered to your spec

NOCH, AIDA, KIBRI, MTH, BUKA, SCALEXTRIC
Tel: 01733 895989 e-mail: Trains4U@BTconnect.com

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

NICK TOZER
RAILWAY BOOKS
RAILWAY BOOKS BOUGHT & SOLD
Free Railway Booksearch Service
155 Church Street, Paddock,
Huddersfield, HD1 4UJ
(Shop: Tue/Wed 11:00-17:00 + Thu 14:00-20:00)
www.railwaybook.com email: nick@railwaybook.com
Tel: 01484 518159

DCC

Mark's Trains
A RENOWNED SPECIALIST DCC CONVERSION SERVICE

- All scales and budgets • Friendly, reliable service
- Quick turn-around • Servicing and repairs • Weathering
- Resprays • Kit building service • Zimo, ESU & Lenz dealer

www.marks-trains.co.uk
Contact Mark: 07515 436396 • Email: info@marks-trains.co.uk

Fun Day Outs

SEPTEMBER 2ND
NEW VENUE at Chester le Street
Lord Lawson Academy, Birtley Lane,
Birtley, Chester le Street DH3 2LP.
Opposite Kamatsu on the A167.
Only 4mins from original fair at Park View
Entry is £3 Adults, Children & Seniors £2.
Early Entry £5. Time 10am-3pm
Sept 29th Gateshead Stadium
MOB 07504035955
Email: jim_corr73@hotmail.co.uk

Kits

BRANCHLINES
Dapol Kit Package Deals

Each package deal contains the Dapol plastic kit, our etched n.silver chassis kit, our body detailing (or interior) kit, Mashima motor, Romford gears, wheels and all screws wire, etc. to complete.

Railbus p/deal with full interior £61.00
Drewry '04' diesel complete p/deal £76.50
BR mogul & tender complete p/deal £98.50
City of Truro complete p/dea £99.95
Most parts available separately

P.O BOX 4293, WESTBURY BA13 9AA
Tel/Fax: 01373 822231
E-mail: sales@branchlines.com

Cat's SSAE + £1 (in stamps) or £2.50 C. Card and PLEASE STATE INTERESTS

P&P: UK £2.25 (value under £30), £3.50 (£30 to £50), £4.50 (over £50).
Non EU and BFO less VAT. Exports £4.00 minimum.
VISA, MASTERCARD, SWITCH/MAESTRO, SOLO
EXPORTS WORLDWIDE
Hours: Mon-Thursday: 9.30-1, 2-6

- 0 Gauge Kits -
CONNOISSEUR MODELS

- Quality Etched & Cast Metal Kits -
- Locomotives, Carriages & Wagons -

www.jimmcgeown.com
or Send S.A.E. for printed catalogue
1 Newton Cottages,
nr Weobley HR4 8QX

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

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

Online Shops

Howard Scenic Supplies
Your first stop for model railway scenery

NOCH ANCORTON MODELS SUPERQUICK FALLER Auhagen
OXFORD Heki Printers Backscenes Preiser BUSCH

www.howardscenicsupplies.co.uk
Email: sales@howardscenicsupplies.co.uk Tel: 01206 385409

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

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

Cheshire

TRIDENT TRAINS
No10, The Craft Arcade, Dagfields Craft Centre,
Crewe Road, Walgherton, Nantwich,
Cheshire. CW5 7LG

www.tridenttrains.co.uk
HORNBY • BACHMANN • HELJAN • FARISH • DAPOL • PECO • LENZ
• TCS • GAUGEMASTER • METCALFE • RATIO & MUCH MORE
01270 842400

Cumbria & Lake District

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

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

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 342557

TRUCKS • CARS • PLANT • KITS • PLANTS • MILITARY • RAILWAYS • BUSES

Dealer Directory

Buckinghamshire

P & D MARSH MODELS
PAINTED OO GAUGE

PDZ07	Postman, bike & postbox	£8.75
PDZ12	Trackside signs (4)	£8.25
PDZ19	Loco crew (2) steam	£9.00
PDZ28	Window cleaner/ladder	£7.15
PDZ32	Firebuckets on stand (2)	£7.50
PDZ36	BP style petrol pumps	£8.75
PDZ39	Coalmen & scales	£8.25
PDZ40	1950/60 Firecrew/hoses	£10.45
PDZ103	1950 motorbike/ride	£8.00
PDZ50	Loaded platform trolley	£8.25
PDZ51	Barrels (6)	£6.95

PAINTED N GAUGE

PDX51	Cyclists (2)	£7.60
PDX56	Gravestones (8)	£6.00
PDX68	Forklift truck	£7.00
PDX69	Traffic lights single	£5.50
PDX70	Traffic lights dble	£6.50
PDX80	Benches (4)	£5.80
PDX82	Water crane platform	£6.25
PDX83	Water crane ground	£6.25
PDX351	GWR home signal	£8.35
PDX354r	RH junction signal	£15.95
PDX361	Ground signals (3)	£8.00

AVAILABLE FROM ALL GOOD MODEL SHOPS
DISTRIBUTED BY EXPO TOOLS & DRILLS
WWW.PDMARSHMODELS.COM 07730 202270

Devon

THE MODEL SHOP

Specialist Model Railway Stockist
4 ST DAVID'S HILL, EXETER EX4 3RG
Just off the Old Iron Bridge

**NOW AGENTS FOR
NCE DCC CONTROLS**

www.trainsandtrack.co.uk

Tel: 01392 421906
Open: Monday-Saturday 9.30-5.00 pm

Isle of Wight

Visiting the Isle of Wight?

Two floors of
engines, wagons, coaches, buildings,
scenery, electrics, figures, cars
and much more!

N/009/HO/00/On30/G

UPSTAIRS DOWNSTAIRS

Pier Street - Sandown - PO36 8JR
01983 406 616 - www.udiw.com

Midlands

Unit 38
Market Village
South Parade
Sutton Coldfield
B72 1QU



Tel: 07981 757023
Monday to Friday
10.30 to 4.30
Saturday
9.00 to 4.30

Bachmann, Hornby, Dapol, Gaugemaster, Metcalfe, Peco, etc.
Gauges N to O. Modelling tools and materials
Locomotive repair and decoder fitting service
We supply Blue Foam for scenery and baseboards
And can build foam baseboards to order

Essex

CHELMSFORD

JOHN DUTFIELD

Stockists of:



and so much more
including secondhand

WARDS YARD, 133 SPRINGFIELD PARK ROAD, CHELMSFORD, ESSEX, CM2 6EE

01245 494455

Open 9-5.30 Mon, Tues, Thurs, Fri, Sat. Closed Weds & Sun.

Email: heatherwilkinson@btconnect.com Web: johndutfieldmodelrailways.co.uk

Hampshire



Large stock of new & used railway items
Die-cast, Plastic Kits. Also RC Cars.

Open 7 days a week

Monday - Saturday 9:00 - 17:30
Sunday 10:00 - 14:00

We Have Relocated OXFORD

A warm welcome awaits you

Email: modelshop117@gmail.com
65 Kingston Road, Portsmouth, PO2 7DX,
Tel No: 023 92738 111

Scotland



Traditional Model Shop
with large range of OO and
N gauge model railways
Plastruct, Glues,
Scenics, Metals

66 High Street, Dingwall, IV15 9RY

Tel: 01349 862346

www.sportsandmodelshop.co.uk

Open Mon-Sat 9.15 - 17.00

North Yorkshire

MonkBar
Model Shop

2 Goodramgate
York - YO1 7LQ
01904 659423
info@monkbarmodelshop.co.uk

OO, O & N Gauge Model Railways

Stockists of Hornby, Bachmann, Graham Farish, Peco, Dapol, Gaugemaster, Ratio, Wills,
Woodland Scenics, Metcalfe, Oxford Diecast, Base Toys and many more

monkbarmodelshop.co.uk

Somerset

EAST SOMERSET MODELS
THE RAILWAY STATION,
CRANMORE, SHEPTON MALLET,
SOMERSET, BA4 4QP

"MODEL RAILWAY SPECIALISTS"

We carry comprehensive stocks from the major manufacturers

Bachmann/Farish, 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

Staffordshire

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 Charklow Way, Burham, Guildford, Surrey, GU1 1XY

coach-lighting.com

Hampshire

CHURCH STREET MODELS

A wide range of New OO & N gauge
Incl. Hornby, Bachmann, Dapol,
Farish, Heljan, Oxford & much more

Open Mon, Wed-Sat 09.30-17.30

10A Church Street, Basingstoke,

Hants RG21 7QE

01256 358060

www.churchstreetmodels.co.uk

Staffordshire

TUTBURY MODELS

COLLECTABLES **01283 814777** MODELS

5 Mill Mews, Tutbury,

Nr. Burton-upon-Trent DE13 9LU.

Available Now:
Bass/Worthington vent van £13.50 + £3.00 P & P
(Can send up to 6)

Available Now:
6 Wheel Milk Tanker Nestle - OO Gauge
£17.50 + £2.00 P & P

Available SOON:
6 Wheel Milk Tanker Nestle - O Gauge

Orders invited for the O Gauge.

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

Diecast Models
Kits &
Accessories

Telephone: 0191 4910202 Mobile: 07976 519178

www.pooleypuffers.com e-mail: pooleypuffers@btopenworld.com

382a Jedburgh Court,

Team Valley Trading Estate,

Gateshead, Tyne and Wear NE11 0BQ

Mon-Sat 10am - 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

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

Did you know...

**84% of our readers agreed they
usually read the classified adverts
in Model Rail***

*Sourced: BauerPower2016

MODEL RAIL

Find us on
Facebook

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	135
Alton Model Centre	138
Anoraks Anonymous	139
C&L Finescale	137
C&M Models	140
Coastal DCC	138
Crane Sheds & Summerhouses	136
Dapol	110
DCCconcepts	97, 99, 141
Durham Trains of Stanley	139
Eileen's Emporium	138
Ellis Clark Trains	130-131
Express Models	142
Finescalebrass	135
Freestone Model Accessories	138
Frizinghall Models & Railways	137
Frome Model Centre	136
Gauge O Guild	138
Gaugemaster	122-123, 148
GFB Designs	137
Golden Valley Hobbies	86
Harburn Hobbies	134
Hatton's	16, 114-121
Heathcote Electronics	140
Hornby	2
Howes Models	141
Irish Railway Models	18
Isinglass Models	140
Kernow Model Rail Centre	36
Lanetop Models	132
Mega Points Controllers	139
Metcalfe Models	124-125
Model Railway Solutions	142
Modelrailwayscenery.com	142
Morley Controllers	134
Morris Models	142
Nelevation	141
Olivia's Trains	111
Osborn's Models	139
Peter's Spares	140
Rails of Sheffield	126-129
Railway Enthusiasts Club	136
Ron Lines	142
Scalescenery.com	138
The Airbrush Company	113
The Hereford Model Centre	133
The Hobby Shop	142
The Junction Box	134
Tower Models	112
Townstreet	134
Trains4U	142
Train-Tech	135
Train Tees	142
Warwick & Warwick	147
York Modelmaking	139
YouChoos	134

CLASSIFIED INDEX

Classified advertisers on pages 143-144

Addlestone Model Centre	Model Bus Transfers
AGR Model	Model Railway Developments
Railway Store	Monk Bar
Branchlines	Model Shop
Church Street Models	Nick Tozer Railway
Coach Lighting	Books
Connoisseur Models	P&D Marsh
Crafty Hobbies	Pooley's Puffers
Dave Angell Trains	Redcar Models & Hobbies
Derek's Transport	Roxey Mouldings
Books	Scalespeed
East Somerset Models	The Hobby Goblin
Hobby Rail	The Model Shop (Exeter)
Howard Scenic Supplies	The Model Shop (Portsmouth)
Jackson's Models	The Sports and Model Shop
Jim Corr	The Tutbury Jinny
John Dutfield for Model Railways	Train Times
Kent Garden Railways	Trident Trains
Mark's Trains	Upstairs Downstairs
Mercian Models	

Present your case

If there's a locomotive that you think needs to be offered ready-to-run, here's the place to voice your opinion...



RAIL PHOTOGRAPHS

Locomotive: LNER 'V4' 2-6-2

Gauge: 'OO'

Proposed by: Eric Lynch, by e-mail

What is it?

One of Sir Nigel Gresley's final designs for the LNER was for a go-anywhere, medium-power mixed traffic locomotive to replace many outdated designs inherited at the Grouping. Two of the new 'V4' 2-6-2s were built before the start of the Second World War and the design was pure Gresley in appearance and design practice: elegant and functional, it was the product of the great engineer's forward thinking.

They employed modern alloyed steel and fabrication of previously cast parts to reduce weight, achieving a maximum axle load of only 17 tons and allowing them to access almost 80% of the LNER lines. They incorporated a wide firebox, high boiler pressure and three cylinders, the central one of which was inclined to drive the centre-coupled axle. Motion of the inner valve was derived from the outside Walschaerts gear by means of the Gresley-Holcroft 2:1 lever arrangement.

The locomotives were trialled in East Anglia and Scotland and were well received, particularly as they were said to ride like a coach. They were equally at home on express passenger, freight and local duties, but Edward Thompson preferred to work on his two-cylinder 4-6-0 mixed traffic design - the 'B1' - after he took over following the death of Gresley in 1941.

What would make it viable?

Acolytes of Sir Nigel and LNER enthusiasts would obviously be attracted to the locomotives, as would anyone modelling the LNER, BR Eastern & Scottish Regions and particularly East Anglian and West Highland railways. These engines are also aesthetically attractive, and their rarity gives them added appeal.

There were very few changes to the design, thus minimising tooling changes, and three liveries to choose from: LNER green, post-1946 LNER livery and BR lined black.

Can I see a real one?

Sadly, both 'V4s' were withdrawn in 1957 and scrapped. However, interest in these machines will soon be revived as the A1 Steam Locomotive Trust, which is responsible for new-build 'A1' *Tornado*, has started work on a replica.



Have your say

Do you agree with Eric's argument? Go to www.facebook.com/modelrail or www.twitter.com/modelrailuk and post your verdict.

How to join in

Want to present your own case? Send us 400 words explaining your choice to modelrail@bauermedia.co.uk, putting 'Present Your Case' in the subject line.



DAVID ANDERSON/RAIL PHOTOGRAPHS

Backscene

Musings we couldn't fit into the issue elsewhere, but which seemed very important at the time...



Paul A. Lunn,
Contributor

A recent trip into the beautiful Derbyshire countryside around Matlock revealed that Derbyshire County Council has funded some conservation work at High Peak Junction, the starting point of the famous Cromford & High Peak Railway.

High Peak Junction's workshops now form an interesting visitor centre, complete with the same fish-belly rails, either side of an inspection pit, that date from the 1830s. Outside are the large wheel and adjusters at the foot of Sheep Pasture Incline, complemented by a water tank and two 20t brake vans.

The wheel and adjusters have been overhauled by blacksmiths Ian and Mark Baxter. They have cleared the pit, replaced rotting timbers, relaid track, fitted new bearings to the remaining moving parts and added a traditional perimeter fence.

Modelling hours: 11

Note to self: Have the courage to recognise failure, scrap what you've done and start again, building on experience gained first time around. The result is usually an improvement!



Inset: Blacksmiths Ian and Mark Baxter build a new fence to protect the pit at High Peak Junction, the pit which holds the remaining winding wheels and adjusters for Sheep Pasture Incline. PAUL A. LUNN

Below: A reminder of what High Peak Junction used to look like: 'J94' No. 68006 waits by the workshop on April 30 1967 with the RCTS' commemorative railtour to mark the closure of the Cromford & High Peak Railway. GEOFF PLUMB



Above: The restored pit at High Peak Junction. The workshop buildings are on the left. The wall on the right was a post-closure repair that inadvertently severed what remains of the ascending track up Sheep Pasture Incline. PAUL A. LUNN



George Dent,
Deputy Editor

The robust-sounding town of Stone, nestling a few miles south of Stoke-on-Trent, boasts an impressive and attractive Grade II-listed station building, erected by the North Staffordshire Railway in 1849.

Despite standing on a busy section of the West Coast Main Line, Stone has been poorly served in the past, although things seem to be improving recently thanks to more of West Midlands Trains' Crewe-Euston services now calling at the station.

Apparently, the station has suffered repeated graffiti attacks over the years, with local hoodlums favouring the addition of a 'd' to the end of each mention of Stone. But could it be that the unimaginative yobs have been thwarted by a canny piece of design?

A friend's daughter sent me this image of the new station's signage... surely there's no room for that extra letter now?!



LOUISE FOURACRE

Modelling hours: 30

Note to self: Finally resolve the track plan for my 'O' gauge layout - I've been prevaricating again!



Chris Leigh
Consultant Editor

I first visited Pendon when the present building was no more than a shell, and the Vale Scene consisted of little more than a few glass cases containing odd cottages and a guided tour explaining what was going to be where.

I've been there with photographers and video makers, and I've even operated John Ahern's 'Madder Valley' for the benefit of the camera when we filmed a *Model Rail* DVD programme there. So, it was good to return in June for the ceremonial opening, by Paul Atterbury (of BBC's *Antiques Road Show* fame), of the Bristol main line. Paul cut a ribbon to allow the 'Bristolian' to pass and with that the second of the Vale Scene's two main

lines was brought into full operation.

Like many such organisations in this hobby, Pendon folk are giving serious thought to the museum's long-term future as many of the stalwart volunteers are of advancing years. They have done a sterling job of completing Royce England's dream but while the model-building may now be drawing to a close, there is a need to attract the next generation of volunteers, to maintain, operate and interpret the exhibits to visitors.

Go, be inspired, and if you want to get involved, let the people there know. There's a proper training and assessment process for all the different volunteer posts, whether it be serving in the shop or driving the trains.

Modelling hours: 25

Note to self: Still too many unfinished projects.

Selling your model railway

Warwick and Warwick have an expanding requirement for early to modern collections of British and Foreign trains and train sets from large accumulations to items of individual value. Our customer base is increasing dramatically and we need an ever larger supply of quality material to keep pace with demand. The market has never been stronger and if you are considering the sale of your collection, now is the time to act.



FREE VALUATIONS - We will provide a free, professional valuation of your collection, without obligation on your part to proceed. Either we will make you a fair, binding private treaty offer, or we will recommend inclusion of your property in our next public auction.

FREE TRANSPORTATION - We can arrange insured transportation of your collection to our Warwick offices completely free of charge. If you decline our offer, we ask you to cover the return carriage costs only.

FREE VISITS - Visits by our valuers are possible anywhere in the country or abroad, in order to assess more valuable collections. Please phone for details.

ADVISORY DAY TOWNS - We are staging a series of advisory days and will be visiting the following towns within the next few weeks: **Barnstaple, Exeter, Stafford, Workington, Rochdale, Salisbury, Basingstoke, Gloucester, Belfast, Bingley, Barnsley, Daventry and Burton on Trent.** 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