

The decoders in the **Ruby** range are extremely reliable and have been specially chosen to cover as many eventualities that may arise when you are running DCC locomotives.

The decoders have a whole host of features, including:

- 2 Digit and 4 Digit Addressing
- 128 Speed Step Operation (14 or 28 steps can also be used)
- 3 Step Speed Tables set start, mid, and max voltage for custom controls
- 28 Step Speed Tables with 256 level resolution for precise control
- Torque Compensation for smooth silent running
- Constant Brightness Lighting with directional or independent control, with effects
- Advanced Consisting
- Direct mode programming
- Decoder Reset CV with or without speed table reset
- Motor Isolation Protection helps prevent damage to your decoder
- Direct plug socket for DCC99 PowerPal (DCC90/91/94/95 only)



DCC99 PowerPal for use with DCC90/91/94/95

The PowerPal is designed to keep your locomotives running through dirty or dead track sections. Once a bad bit of track is detected the capacitors kick in and keep the motion, lights and sounds alive until power is restored. The time period can change depending on the decoder that the PowerPal is fitted to.
40mm (L) x 14mm (W) x 8mm (D). Harness length 110mm.

£22.50 each



DCC90 2fn Standard Decoder 8 Pin

A 2 function, 1.5A – 2.0A max decoder with 8 pin harness.
27mm (L) x 17mm (W) x 7mm (D).
Harness length 25mm.

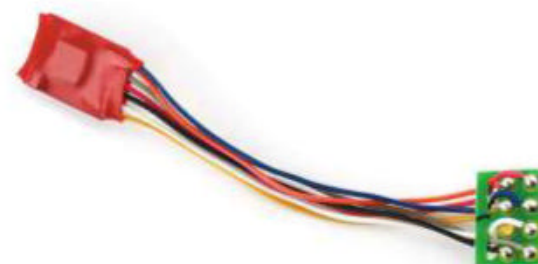
£20.00 each



DCC91 2fn Standard Decoder 21 Pin

A 2 function, 1.5A – 2.0A max direct plug 21 pin decoder.
21mm (L) x 16mm (W) x 4mm (D).

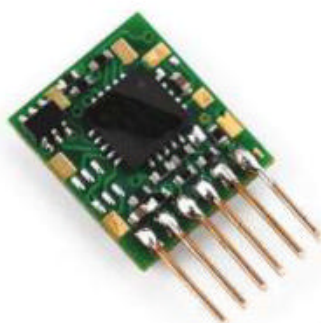
£21.00 each



DCC92 2fn Small Decoder 8 Pin

A 2 function, 1.0A – 1.5A max decoder with 8 pin harness.
12mm (L) x 10mm (W) x 3mm (D).
Harness length 45mm.

£21.00 each



DCC93 2fn Small Decoder 6 Pin

A 2 function, 1.0A – 1.5A max direct plug 6 pin decoder.
10mm (L) x 11mm (W) x 3mm (D).

£25.00 each



DCC94 6fn Pro Decoder 8 Pin

A 6 function, 1.5A – 2.0A max decoder with an 8 pin harness.
27mm (L) x 17mm (W) x 7mm (D).
Harness length 25mm.

£31.50 each



DCC95 6fn Pro Decoder 21 Pin

A 6 function, 1.5A – 2.0A max direct-plug 21 pin decoder.
21mm (L) x 16mm (W) x 4mm (D).

£31.50 each

GM360 Gaugemaster Catalogue **£5.00**

128 Full Colour Pages. Full Gaugemaster Range listings and images, articles and guides on a range of subjects.



Find us on Facebook:
@Gaugemaster



Follow us on Twitter:
@Gaugemaster



Follow us on Instagram:
@gaugemaster_controls

GAUGEMASTER products are available from your local model shop or, in case of difficulty, direct from ourselves

GAUGEMASTER Controls Ltd, Ford Road, Arundel, West Sussex, BN18 0BN, United Kingdom

tel - 01903 884488 fax - 01903 884377 email - sales@gaugemaster.com

www.gaugemaster.com

Build a baseboard kit | Rock-making kits tested & rated

No. 280 November 2020 £4.60

MODEL RAIL

BRITAIN'S BEST-VALUE MODELLING MAGAZINE

THE **15** MOST INSPIRATIONAL LOCOMOTIVES **EVER!**

From
'16XXs' to
Class 73...

...AND LAYOUTS THEY UNLOCK

- ✓ Classic light railway
- ✓ Busy urban station
- ✓ Iconic rural terminus
- ✓ Epic cross-country route
- ✓ Industrial branch line

THIS
LAYOUT!



REVIEWS

Workbench

Practical modelling projects from our experts

- ◆ Create a unique railcar
- ◆ Install working signals
- ◆ Detail card kits
- ◆ Build a scenic foundation

BACHMANN '2-HAP'

DAPOL PROTOTYPE HST

MURPHY MODELS 121 CLASS

HORNBY®**Coca-Cola®****CHRISTMAS TRAIN SET**

Add some fizz to your Christmas this year...

Celebrate Christmas this year with the Coca-Cola® Train Set!

Inclusive of an 0-4-0 diesel shunter, a closed box van and container wagon, all branded in a festive Coca-Cola® livery, the set is ideal for running around a Christmas tree, having pride of place on a mantelpiece or gifting to a friend or family member as a seasonal Christmas present.

The Hornby Coca-Cola® Christmas Train Set includes the following items:

- 0-4-0 Diesel Shunter with Coca-Cola® Branding
- Closed Box Van with Coca-Cola® Branding
- Container Wagon with Two Containers featuring the Coca-Cola® Branding
- Controller and Wall Mounted Transformer
- Railing Tool – To help you easily place the locomotive and rolling stock onto the track
- 00 Gauge oval of track designed to fit a space of 1100mm x 1070mm



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



www.facebook.com
/officialhornby



www.twitter.com
/hornby



www.instagram.com
/officialhornby



www.youtube.com
/hornbyhobbiesltd

Welcome



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

MODEL RAIL

brought to you by

**Richard Foster**

I'd love to have seen No. 4079 on the East Coast Main Line in 1925, showing the LNER how to do things properly!

**George Dent**

A fabulous baseboard kit has just arrived from Tim Horn, so I've started planning my latest layout project in earnest.

**Chris Leigh**

I'm mentally planning the next project while building this one. I need a Christmas break! Will there be a Christmas?

**Chris Gadsby**

With the house renovation complete, I'm busy working on my next big project, this time for the magazine!

**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. He 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



COLOUR RAIL



How many times have you heard someone say that, having bought a certain locomotive or unit, they *had* to build a layout on which to run it?

This issue, we've taken that one step further by offering you the best locomotives that will inspire lots of layouts! What do I mean by that? Well, take our '16XX' for example – buy one locomotive and you can build layouts depicting industrial South Wales, rural England or the highlands of Scotland.

There's something incredibly intriguing about seeing a locomotive away from its natural home. This is mainly something that steam enthusiasts can enjoy, as most diesel and electrics were designed for nationwide use. The biggest exception that springs to mind is the sight of Class 73s, built for the Southern Region, trundling up the West Highland.

It's why the 1948 Locomotive Exchanges are so fascinating. Locomotives were designed for use on home metals so it must have been a wonderful thing to experience a 'West Country' in Scotland or an 'A4' on the South Western main line.

This is a fascinating subject and when you start researching, more keep springing to mind. We've had to ignore isolated cases – such as Hawksworth '94XX' No. 9401 visiting the Great Eastern in 1957 – but, sadly, space limitation means that we've not been able to include them all (see the Maunsell 'Ns' used in Ireland above). Have a look to see if we've included your favourite.

Richard Foster Editor

Subscribe now and get *Model Rail* for less!

Choose from print, digital or a combo deal and get *Model Rail* for less. See p16.

SUBSCRIPTIONS

To contact us about subscription orders, renewals, missing issues or any other subscription queries, please e-mail bauer@subscription.co.uk or call our UK number on **01858 438884**.

● For overseas subscriptions, call **+44 1858 438884**.

● To manage your account online, visit www.greatmagazines.co.uk/solo

BACK ISSUES

To order back issues, please call our UK number on **01858 438884**.

● Overseas customers should call **+44 1858 438884**.

Life's better with *Model Rail*

Here's why: Starting as a supplement in *RAIL* magazine, *Model Rail* went 'standalone' in 1997. Each issue we bring you easy-to-follow modelling projects that you can complete without breaking the bank, inspirational photographs of the best model railways and thorough, unbiased reviews so you can make the most informed choices when spending your money. Don't forget our own model ranges – see pages **104-107**.

Model Rail essential information

Q: Looking for an old feature but can't remember which issue it was in?

A: Check out the online index, kindly provided by UK Model Shops, at www.ukmodelshops.co.uk/ModelRail

Q: Want to order one of our exclusive models?

A: Go to www.modelrailoffers.co.uk or call 01209 705459.

Q: Want to order one of our bookazines?

A: Go to www.greatmagazines.co.uk or call 01858 438884.

Q: Have a problem or query about our digital magazines?

A: Visit www.greatmagazines.co.uk/faq

Q: Subscription issue not arrived?

A: Call our Subscriptions Department on 01858 438884.

Get in touch

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

Postal address

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

Or you can **call** Jane Skinner on 01733 395155

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

Contents November

Cover Stories

- 30 15 inspirational locomotives
- 63 Build a baseboard kit
- 70 Build a scenic foundation
- 76 Create a unique railcar
- 102 Rock-making kits tried and tested

Opening the box

- 6 **The Big Picture**
A nostalgic look back to the time when every town had its own gas works.
- 8 **News**
All of the latest news from the world of railway modelling.
- 10 **Show & Tell**
The place to share your projects with the *Model Rail* community.
- 15 **According to Chris...**
Chris discusses the research involved in our upcoming '16XX' exclusive model.

Inspiration

- 18 **Layout: Mallingford**
Kevin Mitchell has merged a location and a film to create 'Mallingford Colliery Halt'.
- 30 **Lots of layouts: Ivatt '4MT'**
Richard Foster takes a look at a post-war classic that seemed to get everywhere.
- 36 **Lots of layouts: Class 73**
Chris Gadsby looks at the popular electro-diesel that's started to spread its wings.
- 42 **Lots of layouts: 'Terrier'**
The story of these cheeky Victorian survivors is like no other.
- 48 **Lots of layouts: Class 25**
Chris Gadsby takes a closer look at the versatile Type 2 locomotive.
- 54 **Lots of layouts: '16XX'**
Richard Foster takes a look at a branch line warrior.
- 58 **Lots of layouts: The rest**
Richard Foster shares ten of the best locomotives for operating on lots of layouts.

Regulars

- 3 Contact *Model Rail*
- 16 Subscribe to *Model Rail*
- 108 Next issue
- 145 Present your case
- 146 Behind the backscene



18 Layout: Mallingford Colliery Halt

81 Reviews

Bachmann's '2-HAP' EMU and Class 159, Dapol's prototype HST, Cavalex's BBA steel carrier, Murphy Models' Class 121, Graham Farish's HKA wagon, Peco's FR 'Small Birmingham' and a mini test of the best products for modelling rocks.



SUBSCRIBE
Save money
with the latest
reader offer
see p16

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

Workbench

70 Build a vinegar works
Chris Leigh builds a micro layout of Worcester vinegar works for his '16XX'.

76 Create a Sandite railcar
Chris Leigh slips into autumnal mode to create an unusual railcar from a Class 121.



70 Build an industrial branch line

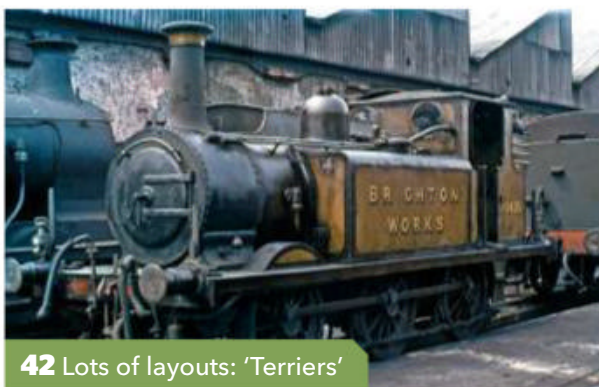


76 Create a Sandite railcar

MODEL RAIL Skills STATION

**PAGE
63**

George Dent and
Peter Marriott guide
you through the
process of building the
perfect laser cut
baseboard kit.



42 Lots of layouts: 'Terriers'



58 Lots of layouts: The rest

Model Rail exclusive models

Order your 'J70' and 'USA'
The entire range of our exclusive 'J70s' is
now in stock and some of our 'USA' 0-6-OTs
are nearly sold out. Buy yours today.



104

Opening the box

The latest happenings from the world of model railways

The Big Picture

Remember the days when every town and city had its own gas works?

David Vaughan does, and now uses his layout 'Gasworks Basin' not only as a nostalgia trip, but also to help educate younger people as to what life used to be like before the days of offshore gas. You can read all about it in the next issue of *Model Rail*.
Photography: CHRIS NEVARD





'73/9' POWERS ONWARD

KMS Railtech is in talks with Accurascale to produce both versions of the Class 73/9 in 'OO' gauge. However, the project - to produce the two '73/9s' rebuilt for Network Rail by RVEL and the 11 rebuilt by Brush for GBRf - will only go ahead if enough people register their interest.

A final specification is yet to be decided but it is expected that the model will be offered in NR, GBRf and Caledonian Sleeper liveries and will feature a heavy die-cast metal chassis, etched metal and plastic detail parts, a five-pole motor with two flywheels and a fully detailed lighting pack. It is also planned



P: CHANCELLOR/COLOUR RAIL

that the model will contain a backup power capacitor to give up to ten seconds of power-free running with

uninterrupted lighting and sound.

The RRP is expected to be £179.99 (£269.99 for sound). To register your interest, go

to www.kmsrailtech.co.uk/content/22-class-73-9

◆ To learn more about the Class 73/9 turn to page 36.

HOPPER SHOWSTOPPER

Retailers KMS Railtech and Trains4U have joined forces with Cavalex Models to fill one of the biggest gaps in the ranks of up-to-date modern image 'OO' gauge wagons - the HAA coal hopper.

BR built over 11,000 of these distinctive-looking coal hoppers between 1964 and 1982 for 'merry-go-round' operations between colliery and power station. The ability to load and unload on the move revolutionised BR's coal operations, and these vehicles were in use until 2010.

Cavalex's model is set to include a zinc alloy chassis, 26mm axles for easy conversion to 'P4' and 'EM', NEM

Cavalex HAA coal hopper

What's planned?

- ◆ HAA, BR Railfreight red
- ◆ HAA, Coal Sector yellow
- ◆ HAA, EWS livery
- ◆ HFA, Coal Sector yellow
- ◆ HFA, EWS livery

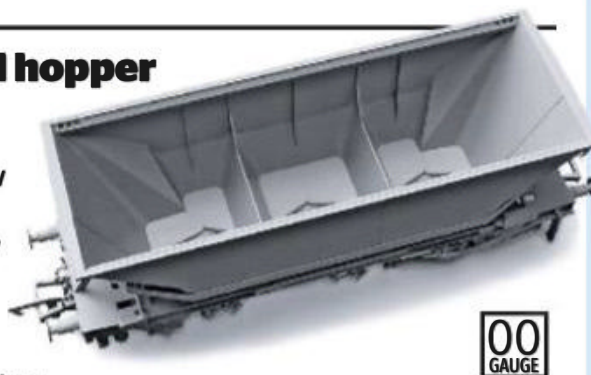
Price? TBC

When's it due? Q3 2021

What stage is it at? Tooling

Where can I find out more? KMS Railtech

Web: www.kmsrailtech.co.uk Trains4U **Web:** www.trains4u.com



coupler pockets and sprung buffers. The first batch of HAA and canopy-fitted HFAs will be joined at a later date by original stainless steel body types and

the CDA china clay variant. These models are exclusive to Trains4U and KMS Railtech and cannot be ordered through any other retailer.



ORE-INSPIRING

KRModels has announced plans to produce the bogie ore wagons used on the famous Consett-Tyne Dock workings in both 'OO' and 'N'. BR built 30 of these 36ft 5in long wagons at its Shildon Works. They're best known for working with '9Fs', which had to be fitted with air pumps along the running plate to operate the wagon's discharge doors.

CAD design work is nearly complete and KR expects the models to be in stock in Q3 2021.

A triple-pack retails for £67.00, but a full length nine-wagon pack will be available for £199.00. For further details, see www.krmodels.co.uk



AUTHOR OMISSION

Gremlins got into our Class 13 'Masterclass' last issue. *Tinsley and the Modernisation of Sheffield's Railways* was written by Chris Booth AND Alex Fisher. Apologies for any inconvenience caused.



TREAT YOUR TRACKSIDES

Scale Model Scenery has released a number of new laser-cut timber and 3D-printed products, including Train Protection and Warning System (TPWS) grids, rivet strips, gas bottles and a small barn. All are available from www.scalemodelscenery.co.uk



What's available? KX057-00 Barn/store

Price: £7.49

LX349-00 TPWS Mini-grids/Transmitter loops

Price: £4.49

LX348-00 TPWS Grids/Transmitter loops

Price: £4.49

LX337-00 Rivet Strips (8mm wide) **Price:** £4.99

AX134-00 Red gas bottles **Price:** £4.79

In Brief

CEMENT CLASSIC



Osborn's Models has released a modern cement lorry as its next 'N' gauge model under its British Commercial Classics brand. Available in white, orange and unpainted, the lorry is available exclusively from Osborn's Models.

What's available?

♦ A3D103 Cement lorry, white **Price:** £16.95

♦ A3D107 Cement lorry, orange **Price:** £16.95

♦ A3D106 Cement lorry, unpainted **Price:** £13.95

Availability:

www.osbornsmodels.com



TIMODEL SHAKES IT UP

Timodel has produced a new paint shaker to thoroughly mix modelling paints and avoid streaks and flakes. Rather than inserting a stirrer and mixing internally, the Timodel shaker mixes the pot by externally shaking it once the bottle or jar has been strapped in place. The shaker will be available in model shops from November with an RRP of £27.95, you can also order online at www.timodel.co.uk

NEW DECODERS

Rails of Sheffield has announced a new range of four DCC decoders, three of which are available now. Created by DCCconcepts and available exclusively at Rails of Sheffield, the decoders offer support for coreless motors and contain brown-out protection for smooth motor operation. On sale now is a 21-pin six-function decoder, a six-pin, two-function nano decoder and an eight-pin, four-function nano decoder, all priced at £19.95



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



HATTONS FOUR-WHEEL COACHES

What's planned? Five Compartment, Four Compartment and Brake in GWR, GNR, LBSCR, LNWR, LNER, Midland and Southern liveries.

Price? From £30.00

When's it due? Q2 2021

What stage is it at? Engineering prototype



HATTONS SIX-WHEEL COACHES

What's planned? Five compartment, Four compartment with lavatory and brake, Full Brake in GWR, GNR, LBSCR, LNWR, LNER, Midland, Southern and BR Departmental liveries.

Price? From £30.00

When's it due? Q2 2021

What stage is it at? Engineering prototype



REVOLUTION TRAINS IPA CAR CARRIER

What's planned? Flat twin sets and flat twin sets with stakes are being offered in STVA grey or red, covered twin sets in STVA red and covered quad sets in STVA grey, STVA red and Groupe CAT blue, and most versions are available with at least two running numbers.

Price? £60-£120

When's it due? 2021

What stage is it at? Engineering prototype



REVOLUTION TRAINS MTV/ZKV 'ZANDER'

What's planned?

♦ MTV, BR bauxite

♦ ZKV, BR bauxite

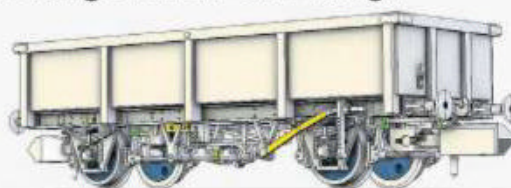
♦ ZKV, BR 'Dutch' grey/yellow

♦ ZKV, BR 'Dutch' grey/yellow, Mainline branding

Price? £19.95-£59.85

When's it due? 2021

What stage is it at? CAD design



REVOLUTION IWA 'HOLDALL' BOGIE VAN

What's planned?

♦ Norsk Hydro livery

♦ Cargowagon livery

♦ Unbranded

Price? £70.00 (twin pack)

When's it due? 2021

What stage is it at? Engineering prototype



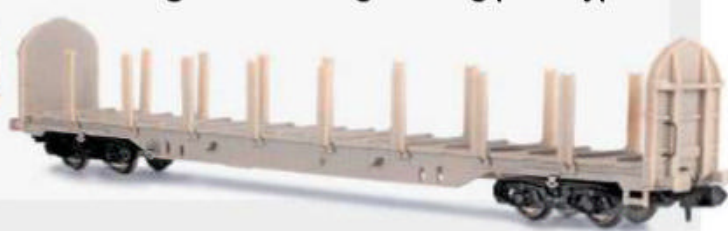
REVOLUTION 'REFNOOS' BOGIE TIMBER WAGON

What's planned? Timber wagon converted from IWA 'Holdall' van, to be offered in Touax blue livery but with different running numbers.

Price? £70.00 (twin pack)

When's it due? 2021

What stage is it at? Engineering prototype



Show & Tell

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



Shed shake-up

Quite a drastic change is taking place on my layout. I've removed the end of my terminus station and have added a reversing loop for continuous running. The station will be remodelled as an overhead station.

Ashley Dease-Vincent

Track to the future

This is my latest project, an 'O' gauge freelance layout. The previous owner had called the station Bluebell Park, and one of the first things I've done is add more track for greater operational possibilities.

Kev Goodsell



Coach conversions

My time has been spent finishing two former Brecon & Merthyr Railway coaches, which were initially LSWR stock, by converting them into their GWR guise. As well as the pictured six-wheel First, I've adapted a Brake Third.

Gareth Haines



Wagon winner

I took part in a 'shelf queen' competition to complete unfinished projects, which really helped me to get this 'O' gauge PAA sand wagon completed. I'm pleased to say it came in third place!

Andy Sollis



Stepping it up a gear

To try and make chassis building easier, I'm having a go at designing and building a machine to cut my own gears.

Julia Adams



Class act

I've declassified one of the new Farish 'N' gauge First Open coaches and I even remembered to remove the First Class labels from the inside of the windows! Behind it is the now-condemned, much hacked-about, old tooling conversion I did some years ago, which is now destined for the parts pile.

John Upton



Splashing out

I've added this paddling pool to one of the gardens on my layout. It was 3D-printed by Jumble Lane Printing and then I filled it with resin and added some figures.

Peter Gower



Toning things down

Although my layout has been scenically covered, I've been refreshing some of the scatter with new, more realistic blends of static grass as I feel the top left section is far too bright!

Gwyn Lishman



Letters

Family connection

I was delighted to read the article regarding Andy's 'Courtmacsherry' layout (July 2020). My wife and I know Courtmacsherry very well and have researched a lot of the Cork Bandon & South Coast Railway, in particular the line from Clonakilty Junction. We have a family connection to this line as my wife's grandfather was once the stationmaster at Clonakilty junction, and that is where my wife's mother and father met.

The village of Gaggin was extensively photographed and I used these to model the church and stationmaster's house, plus I had old photos from which to work out how to build the station. There is a track plan for the junction in Ernie Shepherd's Cork Bandon & South Coast Railway book. All that remains in the village of Gaggin, where the junction was, is the main road which had been the track bed and the stationmaster's house and an old lamp shed which is now a garden shed. The houses opposite are very much the same but the village itself has many new houses. The pine trees that are in the old photographs are still there by the road side. That is the side where the station shelter is, with the main building opposite and the signal box also on the platform.

I followed most of the track bed from the junction to Courtmacsherry and photographed what's left. There is a mile marker in the wall by the church in Courtmacsherry and, of course, the station buildings and some platform. The old locomotive shed is still there but is now a boat store.

David Beck



Modelling maestros

In MR270, you spoke about your modelling heroes. Well, I have modelled in numerous scales ('N', 'OO', 'OO9', 16mm, 7 1/4 in gauge) for over 50 years. I was also a volunteer at the Bala Lake Railway in the 1990s.

Two of my heroes were the late Henry Holdsworth, of Lynton & Barnstaple 'Lynbridge' fame and the late Malcolm Savage, hero of 5.5mm scale narrow gauge.

I knew Malcolm quite well. As well as seeing him at numerous exhibitions, he came down to Bala a few times when I was on the footplate. I remember letting him onto the footplate for a ride from Llanuwchllyn station platform down to the coaling point/water tower. After taking numerous pictures of all parts of the locomotive, he asked if he could have a footplate ride back to the train.

"Yes," I said, "once you've put your foot out!"

He had stood in the hot clinker that had just come out of the firebox and not noticed that he had set his shoe on fire. That's something you don't get on a model!

John Harrison





Motoring ahead

The latest addition to my Colchester shed layout is a CDC Design, 3D-printed 'J68' on a 'J69' chassis with 15mm spoke wheels from SE Finecast. I found that the chassis did need very slight alterations to fit the body, and the small Mashima motor with a gear box driving the centre wheels fits easily inside.

Paul Goldsmith

Clay time

Inspired by Chris Nevard, I've used a surplus piece of track to test his method of using DAS clay for the yard on my layout. Evidently there is a lot of work still needed but I'm learning all the time!

Ian Shawyer



Branching out

Recently I have begun a new build of a Southern Railway branch line. The station was once just a through line to another village, but that was closed a long time ago. This isn't based on anywhere in particular as I've focused on operational interest, rather than a prototypical scene.

Jonnie Pay



Ground work

This is my new layout of a terminus station which I was inspired to create from an article in *Model Rail* a few months ago. At the moment I'm just laying track and marking out the positions of buildings, but I'm looking forward to making more progress!

Paul Slyfield



Letters

Clean break

Thank you for the great advice in MR274, especially 'Tidy your Railway Room'.

As soon as the lockdown period commenced, I set to with a duster, brush, and vacuum cleaner to take away all those carefully deposited layers of dirt and dust that had settled on the ballast, scenery, and buildings. Unless you look closely you often don't realise how grubby everything becomes over time. Having completed those tasks I then set about testing, running and cleaning locomotives and rolling stock.

I now know where everything is and I also now know exactly what I've got, and (almost) everything runs beautifully.

During the process I discovered locomotives and wagons I'd forgotten about.

Tidying up the railway room was always a high priority on the list of jobs, as my ever-patient wife kept reminding me, but I never got round to it. Without the lockdown, when would these jobs have been done?

Cleaning the railway room is now a weekly task.

John Holmes

That way inclined

I really enjoyed reading 'Masterclass' in MR275 about 'Big Bertha' operating on the Lickey Incline. My parents moved to a house close to the coaling stage of Bromsgrove shed in 1946.

As a six-year-old, you can imagine how huge this locomotive seemed. Some of my schoolfriends' fathers were banker drivers so there were lots of thrilling cab rides - just as long as we were not spotted by the signalmen or station staff. I spent many happy days and holidays spotting at Garringtons bridge.

For many years I have collected 'OO' gauge model trains of that area, including an LMS Garratt which I intend to renumber as the one which took 'Bertha's' place while it visited Derby Works in 1933.

Ian Stokes



accurascale

WWW.ACCURASCALE.CO.UK



ANOTHER BIG LOAD FROM ACCURASCALE! HYA/IIA BOGIE HOPPER WAGONS

IN 1:76.2/00 SCALE, ARRIVING Q2 2021

PRE-ORDER DIRECT, OR THROUGH YOUR LOCAL STOCKIST



dapol

model railway company

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

Tel: 01691 774455

Fax: 01691 778866

e-mail: sales@dapol.co.uk

www.dapol.co.uk

Coming soon...

HST-P



2D-027-001 - HST-P Power Car Pack 1 Prototype Passenger
Livery DMBs 41001 & 41002



2P-007-001 - HST-P Saloon Pack 1- 2 TF 11000 & 11001 & 2 TS 12000 & 12001
2P-007-002 - HST-P Saloon Pack 2 - 2 TF 11002 & 11003 & 2 TS 12002 & 12003



2D-027-002 - HST-P Power Car Pack 2 Departmental
FYE DMBs 975812 & 975813



2P-007-003 - HST-P Buffet Pack - 10000 Buffet TRSB
10100 Kitchen TRUK

Exclusive
to
Dapol

Western



2D-003-012 - Western Yeoman
BR Green SYP D1035



2D-003-014 - Western Dragoon
BR Maroon SYP D1034



2D-003-016 - Western Gladiator
BR Maroon FYE D1016



2D-003-013 - Western Harrier
BR Maroon Yellow Buffer Beam D1008



2D-003-015 - Western Duke BR Chromatic
Blue SYE D1034 Large Double Arrows



2D-003-017 - Western Prince
BR Blue FYE D1041

NEW!

DCC Versions also available
OO versions shown for illustration purposes only

Conflat & Container



7F-037-001 - GWR Conflat 39860
BD2 Chocolate Container
B-2020 Door to Door



7F-037-003 - GWR Conflat 39326
BK2 Choc Container
BK-1829 Furniture Removal



7F-037-004 - BR Conflat A 8735200
BD Bauxite Container
46577B Door to Door



7F-037-006 - BR Conflat A 8735819
BD Crimson Container
73581 British Railways

7F-037-002 - GWR Conflat
39612 BD2 Chocolate Container
B-1788 Door to Door

7F-037-005 - BR Conflat A 8735364
BD Bauxite Container
47324B Door to Door

7F-037-100 - GWR Conflat 36692
12 Tons Tare 6-1

7F-037-101 - GWR Conflat 36508
Non Vacuum H9

7F-037-102 - BR Conflat A
8735201
13 Tons Tare 6.13

7F-037-103 - BR Conflat A
8735233
13 Tons Tare 6-0

7F-061-001 - Bogie Bolster Wagon E BR 923358 Bauxite TOPS BEV
7F-061-002 - Bogie Bolster Wagon E BR 923444 Bauxite TOPS YNV
7F-061-003 - Bogie Bolster Wagon E BR 923528 Bauxite TOPS YRV S&T
7F-061-004 - Bogie Bolster Wagon E BR 923791 Bauxite TOPS YNV
7F-061-005 - Bogie Bolster Wagon E BR 923962 Bauxite TOPS YRV S&T
7F-061-006 - Bogie Bolster Wagon E BR 924327 Bauxite TOPS BEV
7F-017-005 - Lime Van ICI L24 Red
7F-017-005W - Lime Van ICI L24 Red Weathered

2S-012-013 - Terrier A1X 32650 BR Lined Black E/Crest Ex IDW Fishbourne
2S-012-014 - Terrier A1 Gipsyhill 643 Marsh UMBER Brown
2S-012-015 - Terrier A1X 32635 Brighton Works Imp Eng Gm
2S-012-016 - Terrier A1X No 72 Newhaven Harbour Company Lined Black

4F-050-001 - O & K JHA End Hopper Foster Yeoman 19303 Early
4F-050-002 - O & K JHA End Hopper Foster Yeoman 19311 Early
4F-050-003 - O & K JHA End Hopper Foster Yeoman 19306 Late
4F-050-004 - O & K JHA End Hopper Foster Yeoman 19313 Late
4F-050-101 - O & K JHA Middle Hopper Foster Yeoman 19335 Early
4F-050-102 - O & K JHA Middle Hopper Foster Yeoman 19337 Early
4F-050-103 - O & K JHA Middle Hopper Foster Yeoman 19349 Early
4F-050-104 - O & K JHA Middle Hopper Foster Yeoman 19361 Late
4F-050-105 - O & K JHA Middle Hopper Foster Yeoman 19370 Late
4F-050-106 - O & K JHA Middle Hopper Foster Yeoman 19398 Late

2P-005-323 - MK 3
GWR Green
1st Class 41149 L HST
2P-005-339 - MK 3
GWR Green
2nd Class 42579 E HST
2P-005-340 - MK 3
GWR Green
2nd Class 42300 F HST
Also available a
variety of Olive Green
Maunsell High
Window Coaches

4A-002-002 - Water Tower Choc & Cream Conical Motorised
4A-002-004 - Water Tower Light & Dark Stone Conical Motorised
4A-002-006 - Water Tower Choc & Cream Flat Top Motorised
4A-002-008 - Water Tower Grey Flat Top Motorised

UPGRADED

Product Scale Key

O Gauge

OO Gauge

N Gauge

All product release dates correct at time of going to press

dapol

15% DISCOUNT ON ALL DAPOL PRODUCTS PURCHASED
THROUGH DAPOL

collectors club

ANNUAL OPEN DAY

4 NEWSLETTERS PER YEAR

ONLY £25 PER YEAR
(Plus p&p)

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

FOR MORE INFORMATION CONTACT YOLANDA / 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



According to Chris...

...It's no coincidence that our models exhibit a particular suitability for extraordinary settings

Recently, a reader remarked on *Model Rail*'s Facebook page that he could not recall having ever seen '16XX' 0-6-0PT No. 1661 carrying the chalked *Vinegar Castle* name when he used to see it in Worcester. We research all our exclusive models very carefully and in this instance the model accurately represents No. 1661 as it appears in Irwell Press' *The Pannier Papers No. 5*.

So far, all our exclusive models, the Sentinel, 'USA', 'J70' and the '16XX' have been researched by the editors at the time, Ben Jones and Richard Foster. They had input from me and from several experts outside the editorial team. But, for my part, I'm less interested in the individual detail differences between members of the same class than I am about the settings in which they operated. Whether those settings helped to influence the choice of prototype, I'm not sure, but looking back over them, they are all so special that they would have been hard to ignore.

I recall, when the Sentinel was first mooted, Nigel Harris drew my attention to a picture of an Eastern

Region Departmental Sentinel dwarfed by a huge stack of sleepers at the Lowestoft Works where wooden sleepers were impregnated with creosote. The locomotive on which we based the Sentinel

was the preserved example at Quainton Road. This was formerly *Isebrook*, which operated at a quarry in Burton Latimer, near Kettering, Northamptonshire. My son lives in Burton and taught for a while at the Ise Academy in Kettering. The quarry site is a short walk from his home but has disappeared under a large Morrisons depot. I found a photograph of *Isebrook* in battered green paint still with its name, and operating as an unpowered brake van. I have a *Model Rail* Sentinel set aside for a conversion. We chose not to issue our Sentinel as *Isebrook* because it seems not to

have run as a locomotive in green as named and because it had some locally made alterations. However, I'm pleased to see that Dapol has produced an 'O' gauge *Isebrook*.

The idea to model the 'USA' 0-6-0T really appealed to me, mainly due to a visit I had made, as a teenager, to Southampton Docks. I had (to my eternal dismay) not taken a single number of a 'USA' despite the fact that I probably saw



Dapol's 'O' gauge Sentinel *Isebrook* shunts a Minerva Models gunpowder van on my Oakworth layout.

“To my dismay, I didn't take a single number of a 'USA', but probably saw them all!”

Railtours often visited several branch lines and the motive power needed to suit the branch with the lightest weight restriction, so '16XX' 0-6-0PTs often got the job. No. 1658 is approaching Malmesbury on the branch from Little Somerford with a typical WR railtour. DON LOVELOCK



them all! I was too captivated by the ships, particularly the RMS *Queen Elizabeth*, the SS *United States*, and SS *Bremen*. I would still like to model a major dock scene one day.

The 'J70', of course, prompted my little model based on Newcommon Bridge at Wisbech with H.B. Brown's general store and the Wisbech & Upwell tramway on its doorstep. I used a Tim Horn baseboard so that it will be easy to extend that little diorama. I particularly want to model the chapel in Elm, with the tramway right outside.

Now, the '16XX' project is nearing its climax with the arrival of production models from China not too far off. Again, we've chosen a locomotive class which is right at home in some very special settings. On a personal level, I have a couple of my brother's photographs of a '16XX' at Kemble with the Cirencester-branded 'Toad' brake van. Tetbury branch freight traffic had ended by then but a lightweight '16XX' had been required for that branch, not for Cirencester. No. 1664 performed its last duty on the Tetbury branch just a couple of days before complete closure of the line. It worked the end of term special for Westonbirt Girls School, hauling a full brake and two LMS Stanier coaches.

Outside my personal experience, the '16XXs' worked in some idyllic locations, particularly on the minor routes within the Forest of Dean, the Cleobury Mortimer & Ditton Priors Light Railway and the so-called Vinegar branch at Worcester. Here, the railway served the world's largest producer of vinegar, much-needed for preserving food in the days before widespread access to refrigerators.

As if that wasn't enough, two members of the '16XX' class emigrated to the north of Scotland to work the lightly laid branch from The Mound to Dornoch when the indigenous Highland Railway 0-4-4T suffered a broken crank axle and the '16XXs' were the only available locomotives with a light enough axle loading.

For more on the Vinegar branch and the remarkable Hill, Evans & Co vinegar works, turn to page 70.

Modeller CV: Chris Leigh

Time to start thinking about where the Brighton 'E1' 0-6-0Ts worked - they had it painted on their tank sides!

Subscribe and save

Save over £15 when you subscribe to **MODEL RAIL**



"Model Rail magazine is jam-packed with the latest news, reviews, inspiring features and the hottest practical techniques from some of the

hobby's most passionate modellers.

We are the go-to publication to answer all your modelling questions, giving in-depth, step-by-step demonstrations

and inspiring your layouts.

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

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

01858 438884

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

www.greatmagazines.co.uk/

PRINT

£3.60 a month when
you pay by a recurring
direct debit

SUBSCRIBER BENEFITS

- Save £15 a year
- Read the latest model reviews
- FREE delivery
- Get involved in the world's
greatest hobby



MODEL RAIL REWARDS CLUB

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

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

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

● Please note that the Rewards Club is only available to subscribers in the UK who have an e-mail address.

**Call 01858 438884 for
our latest digital offers**

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

modelrail

Terms & Conditions: Subscriptions will start with the next available issue. Your subscription will be continued at this offer price every month thereafter unless you are notified otherwise. The minimum term is 13 issues. You will not receive a renewal reminder and the recurring payments will continue to be taken unless you tell us otherwise. This offer closes on 25/11/2020. 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

'N' GAUGE LAYOUT **MALLINGFORD COLLIERY HALT**

A tribute to 'Titfield'

Combining a real world location with a fictional movie locale is no mean feat, but **Kevin Mitchell**'s homage to a movie classic has been crafted with skill and finesse.

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



“What makes this layout great?”
There’s something about using an open-frame baseboard that instantly makes a layout look special. Couple that with Kevin’s skill of making the railway appear as though it has been knitted onto the hillside and ‘Mallingford Colliery Halt’ is a layout well worth seeing if you happen to catch it at its local exhibition. **”**



'N' GAUGE LAYOUT **MALLINGFORD COLLIERY HALT**



3 Real twigs with Woodland Scenic foliage glued to them have been used to make the trees.

Building layouts with television and film themes is nothing new. Just ask Chris Leigh who has *Outlander* and *The Railway Children*-inspired layouts or dioramas in his house (including more we have probably forgotten)! It's important to decide early on whether you're building a scene of a movie or a layout with movie cameos, otherwise you run the risk of it being neither one nor the other.

Long-term readers of *Model Rail* may recognise 'Mallingford' from issue 180, in 2013. Like many layouts, after a while it was in need of an overhaul, and this gave Kevin Mitchell the perfect opportunity to make some desired alterations, inspired by one of his favourite railway movies.

Set in the 1950s/60s on the Limpley Stoke to Camerton branch line in North Somerset, 'Mallingford Colliery Halt' is a combination of the real world and one of Kevin's favourite places on the big screen.

"I really like the Ealing Studios comedy film *The Titfield Thunderbolt*, which was filmed on the closed Limpley Stoke to Camerton branch in the summer of 1952. The story is about how a branch railway is closed by British Railways then taken over and run by the villagers of Titfield, but with opposition from the local bus company. This led to research into the history of the line, and the Somersetshire Coal Canal that preceded it. Mallingford is the name of the terminus of the Titfield branch line in the film. Dunkerton Colliery Halt was a real station on the Camerton branch serving a large colliery, hence the name of the layout.

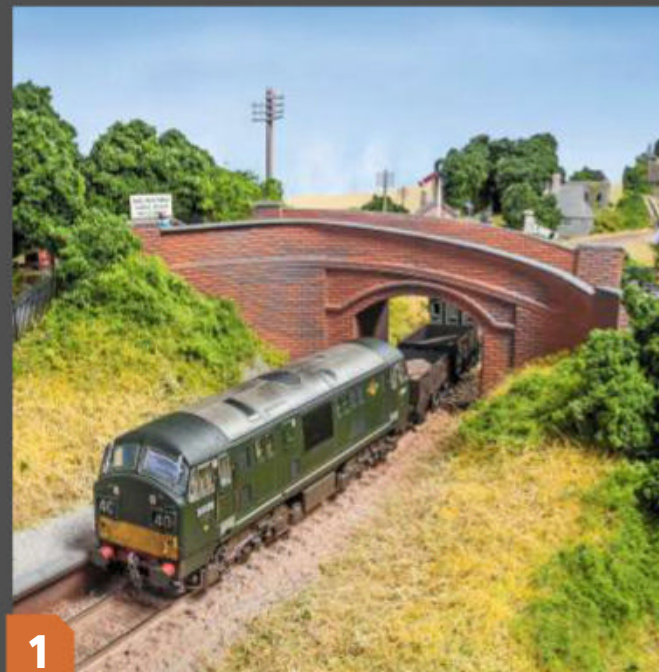
"My modelling skills have increased greatly since ➤



“I really like the Ealing Studios comedy film *The Titfield Thunderbolt*, which was filmed on the closed Limpley Stoke to Camerton branch”



3 things we like



1

The overbridge is a miniature replica of the real thing at Dunkerton Colliery Halt on the Camerton branch.



2

The gravel surfaces are made out of used tea bags. The tea leaves are emptied out, dried, then stuck down with PVA and painted.



3

The derelict canal engine house is a much-altered Ratio locomotive shed.

'N' GAUGE LAYOUT **MALLINGFORD COLLIERY HALT**

I started the original 'Mallingford' in 2011, so a couple of years ago I decided to start afresh. There were several reasons for this, varying from just wanting a change to being dissatisfied with some of the areas I'd built first time around. I spent ages trying to come up with a new layout and eventually came to the conclusion that the layout did everything I wanted it to do, I just wasn't happy with the way it looked."

With this fresh perspective, Kevin stripped all of the old scenery from 'Mallingford' and left only the baseboards and track, saving him a lot of time and potential headaches.

"By leaving the track in place I knew that the wiring was all sound and I wouldn't have to bother

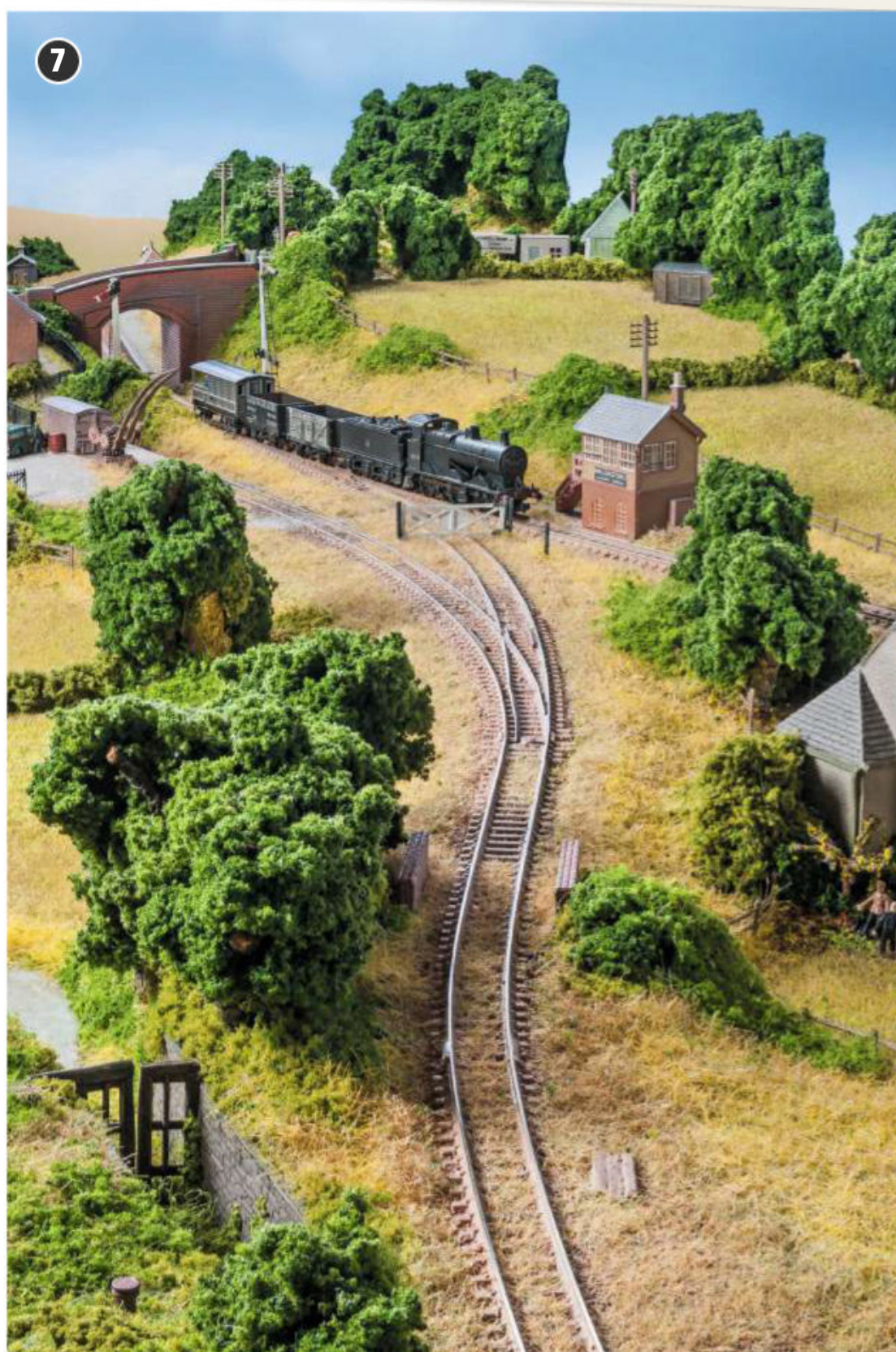
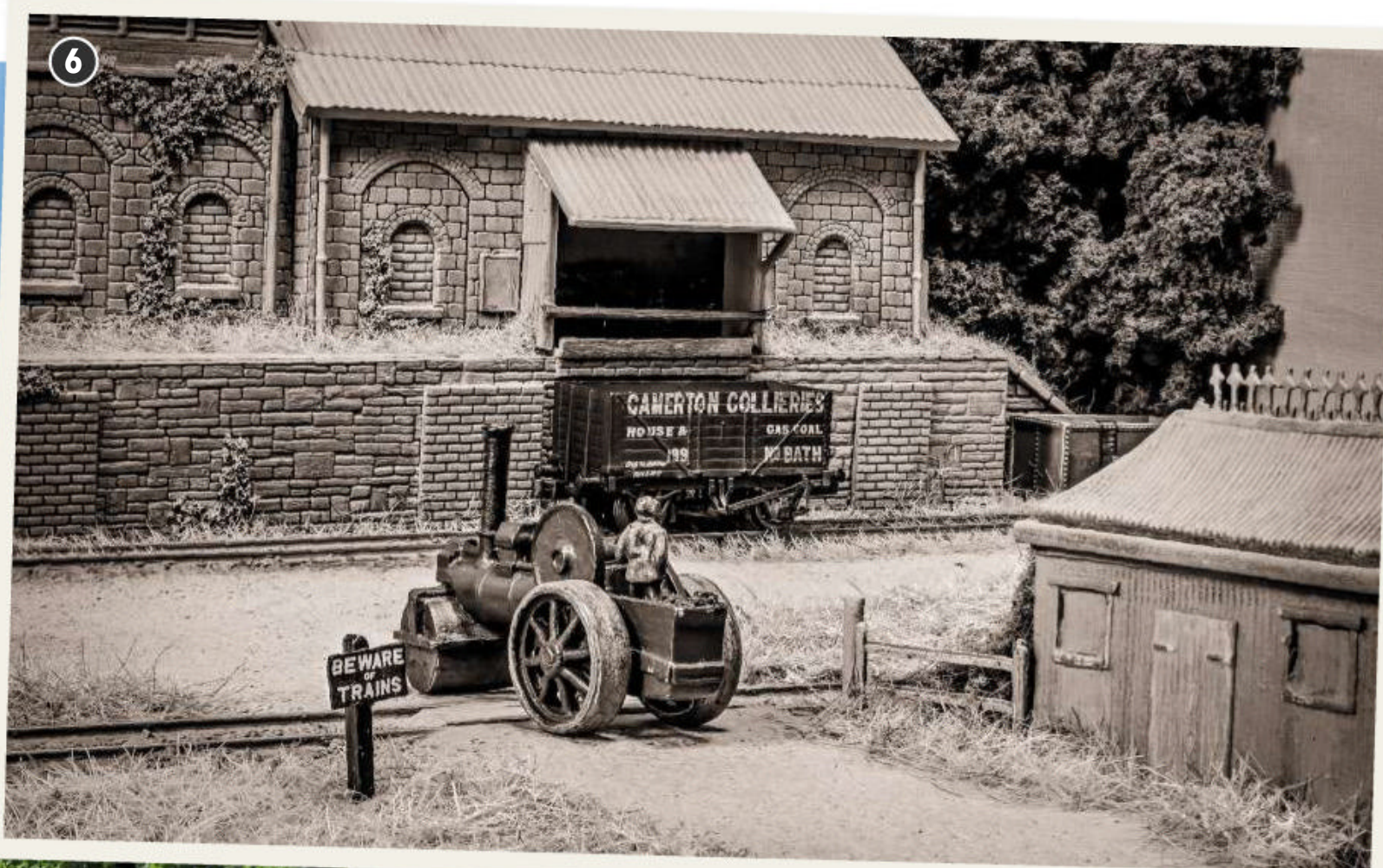
with new holes in the baseboard for dropper wires. Since I prefer planning and making scenery to operating layouts, it allowed me to get straight on with my favourite parts. I wanted to recreate the atmosphere of a neglected GWR branch line set amid attractive scenery, and also include the coal industry, the reason the line was built in the first place."

SCALE AND SCOPE

Arguably the main advantage of 'N' over 'OO' gauge is being able to portray a larger area in the same space. In an area of the country such as North Somerset, where the landscape dominates the surrounding area and the railway was added later, ➤

"I wanted to recreate the atmosphere of a neglected GWR branch line set amid attractive scenery"

5 One of the aspects Kevin found most challenging was the plastic lineside fencing, which was tricky to bend to shape to follow the changing contours of the scenery. The foliage has hidden the worst bits.





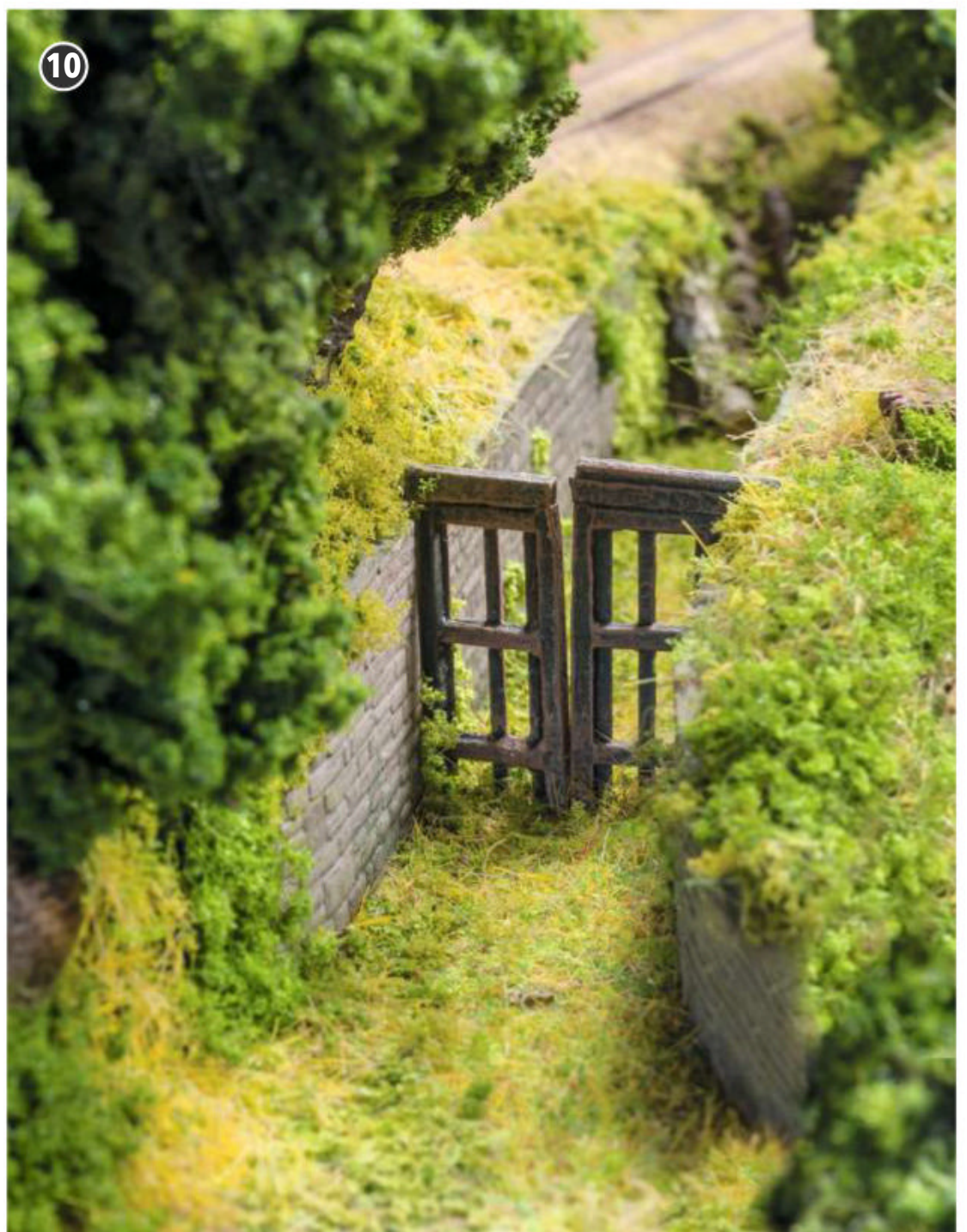


this advantage is magnified. In the modelling hobby where we tend to add the track before anything else, this can be a difficult area in which to achieve an authentic look. An open-frame baseboard, as Kevin has used, is a great way of achieving this.

“Using the open-frame baseboard allowed me to form landscape above and below the track to give the impression that the railway followed the flattest contour possible, exactly as was done on the prototype. I made the scenery with polystyrene off-cuts, including spare ceiling tiles, and once the basic shape was formed the whole lot was covered with papier-mâché to create a natural, undulating look. Although some modellers may shy away from using them, I’ve found a grass mat really helpful for covering large areas and then, where longer grass was needed, I could add various shades of static grass for variety.”

Kevin wasn’t completely happy with some of the overall colour palette of the scenery once he’d finished, so he lightly dry-brushed the fields and other grassy areas with yellow emulsion, which highlighted the tips of the grass and created a late summer look. Once the scenery was finished he could concentrate on the infrastructure.

“I don’t do a lot of scratchbuilding but set myself the challenge of replicating the road bridge as the original was built to an unusual design, with one straight and one curved face to fit the alignment of the road. To make it even more difficult, the road is on an incline. Even though I’m modelling in ‘N’ gauge I used 4mm scale flexible plastic brick sheets as I felt the 2mm scale bricks were just too small and would not be noticeable. Luckily the prototype still exists so I was able to photograph and measure it. All of the other structures are out-of-the-box or kit-bashed, such as the colliery buildings which started out as a Ratio goods shed but with a new corrugated iron roof. Finally, the platform running-in board ➤



'N' GAUGE LAYOUT **MALLINGFORD COLLIERY HALT**



Kevin uses a Gaugemaster Combi handheld controller to operate 'Mallingford Colliery Halt'. The branch line and colliery siding are operated independently on DC, but with the same controller.



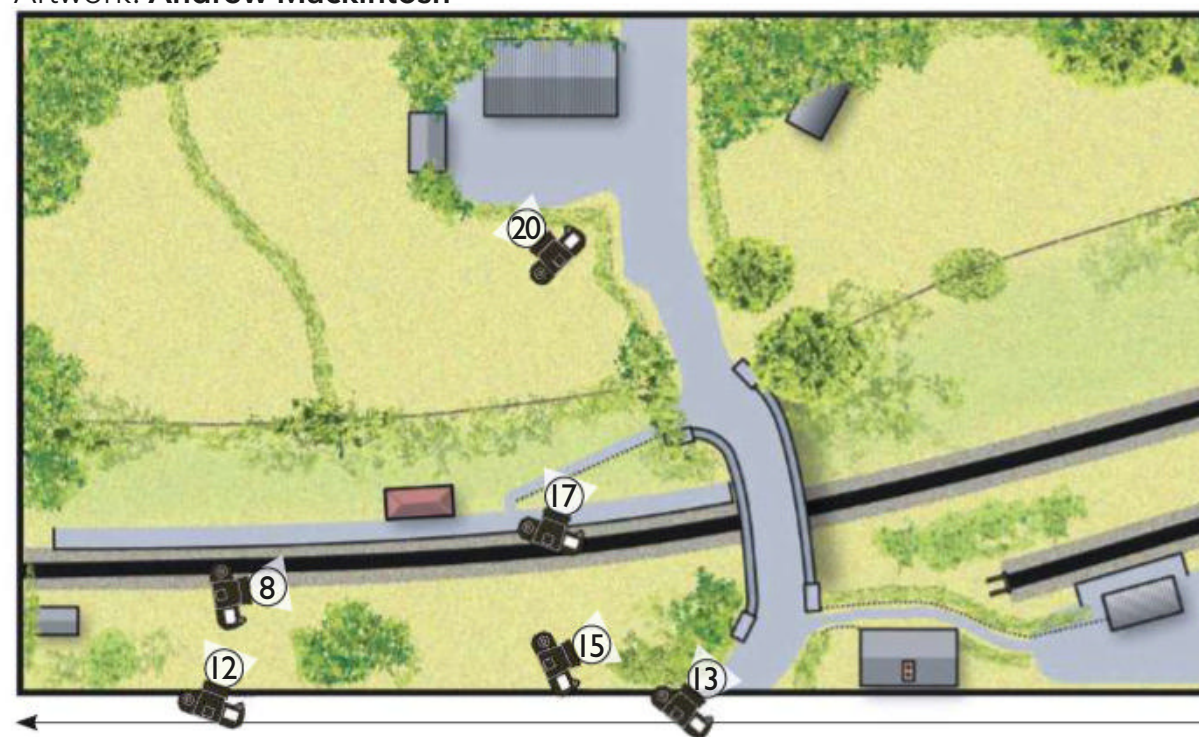
was printed on a colour laser printer and this gave me the opportunity to enhance the film cameo scenes as well."

DOCTORING THE DETAILS

As a fan of *The Titfield Thunderbolt*, Kevin also took the opportunity to insert some cameo scenes at 'Mallingford Colliery Halt' which viewers who have watched the film will recognise. With the colour printer it was easy to personalise the buildings exactly how he liked and, thanks to a gift from a friend, there's also one which is a bit more out of this world.

"I was given a 2mm-scale TARDIS and wanted to include it somewhere on the layout, but not where it is too obvious, so it is hidden inside the derelict canal engine house. Possibly one of the strangest places The Doctor has landed! Aspects seen in 'Titfield' include a replica of the bus garage belonging to the villains Pearce & Crump, with an Oxford Diecast Bedford OB bus repainted in their colours and a car crashed into

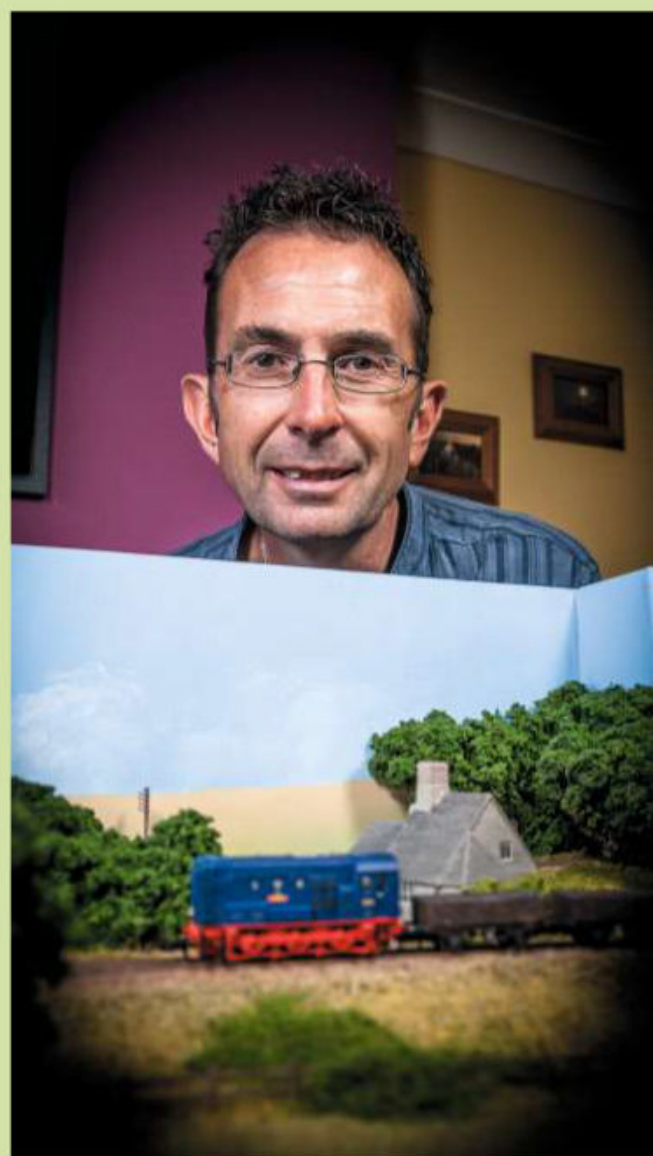
Artwork: **Andrew Mackintosh**



“I don't do a lot of scratchbuilding but set myself the challenge of replicating the road bridge”



15



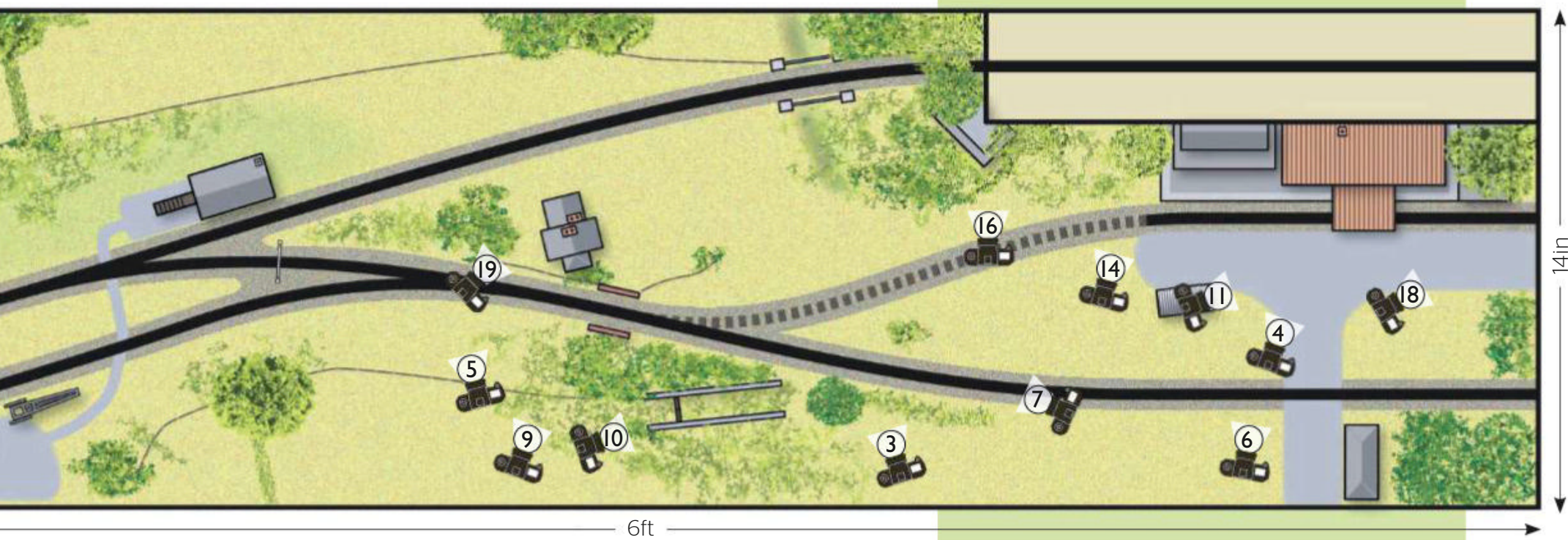
MODELLER CV: KEVIN MITCHELL

My other interests include real-life railways from the steam and early diesel periods, ships, old films, photography and painting. I also enjoy hiking and exploring old railway lines (much to my wife's dismay).

FACTFILE: 'MALLINGFORD COLLIERY HALT'

Gauge and scale: 'N'

Size: 6ft by 14in



'N' GAUGE LAYOUT **MALLINGFORD COLLIERY HALT**



a road sign reading 'Mallingford: Careful Drivers Welcomed', this raises a smile if anyone spots it."

Although Kevin has included some cameo scenes from the film, this doesn't detract from the rest of the model, and care has been taken to keep the detail as realistic as possible.

"Although the film is clearly a part of the layout I didn't want it to come across as though it was a layout of the film, so made sure I added other aspects too. For example, the now-disused colliery siding. The sleepers here are matchsticks cut to size and by placing those before adding the static grass, I made it look as though the railway is being reclaimed by the landscape. The abandoned canal lock is based on those still seen at Combe Hay on the Somersetshire Coal Canal."

Getting the right balance between creating a layout with a few movie-inspired quirks and a layout which looks as though it is *about* a movie can be tricky, but Kevin has pulled it off. Even if you've never seen the film you'd appreciate the layout as the hints aren't overpowering, yet if you are familiar with them they'll make you smile. Maybe your layout has space for a movie-inspired cameo? **MR**



METCALFE

Card Construction Kits

TOWN



TERRACED HOUSES
RED BRICK 00 CODE PO261
RED BRICK N CODE PN103
STONE 00 CODE PO262
STONE N CODE PN104



TERRACED HOUSE BACKS
RED BRICK 00 CODE PO276
RED BRICK N CODE PN176
STONE 00 CODE PO277
STONE N CODE PN177



TERRACED HOUSE FRONTS
RED BRICK 00 CODE PO274 / N CODE PN174
STONE 00 CODE PO275 / N CODE PN175



PUB & SHOPS
00 CODE PO205
N CODE PN972



FIRE STATION
00 CODE PO289 / N CODE PN189

BANK & SHOP
00 CODE PO271 / N CODE PN971



TIMBER FRAMED SHOP
00 CODE PO421
N CODE PN190



INDUSTRIAL UNIT
00 CODE PO285
N CODE PN185



SERVICE STATION
00 CODE PO281 / N CODE PN181



CORNER SHOP
RED BRICK 00 CODE PO263
RED BRICK N CODE PN116
STONE 00 CODE PO264
STONE N CODE PN117



TERRACED SHOP FRONTS
RED BRICK 00 CODE PO272
STONE 00 CODE PO273



CINEMA & SHOPS
00 CODE PO206 / N CODE PN170



COACHING INN
00 CODE PO228
N CODE PN128

FINE TIP GLUE APPLICATORS
MT907



BUILD A MODEL RAILWAY DVD
PART 1 / PART 2



BROWSE OUR WEBSITE TO SEE THE FULL RANGE. SIGN UP FOR EMAIL UPDATES VIA OUR WEBSITE

WWW.METCALFEMODELS.COM

FACEBOOK @METCALFEMODELS | INSTAGRAM @METCALFEMODELSANDTOYS | TWITTER @METCALFEKITS

IVATT

'4MT' 2-6-0

Richard Foster takes a look at a post-war classic that seemed to get everywhere.

STEAM RAILWAY COLLECTION

'4MT' vital stats

Built: 1947-1952 (162, built at Horwich, Darlington and Doncaster)
Length over buffers: 55ft 4in
Height: 12ft 10in
Width: 8ft 8in
Wheel diameter (driving): 5ft 3in
Wheel diameter (pony): 3ft 0in
Wheel diameter (tender): 3ft 6½in
Cylinders: 26in by 17½in (2)
Boiler pressure: 225lbs/sq in
Tractive effort: 24,555lb



D. FORYSTHE/COLOUR RAIL

10 KEY DATES

1937: London Midland & Scottish Railway officials start to investigate the possibilities of building a 2-6-0, based on Fowler's 2-6-4T, to replace elderly 0-6-0s.
1944: First sketch of a new Class 4 2-6-0 appears. It's essentially a Fairburn 2-6-4T with the tanks removed.
1945: Henry George Ivatt takes over as LMS' chief mechanical engineer following the death of Charles Fairburn.
1946: First of Ivatt's Class 2 2-6-0s emerges from Crewe Works. It's a rugged, well-proportioned locomotive, fitted with a business-like taper boiler, commodious cab and the running plate sits just above

the driving wheels. Obviously inspired by the wartime US 'S160' 2-8-0s, it sports labour-saving rocking grates and hopper ashpan to suit the post-war railway.
1947: Pioneer Class 4 2-6-0, No. 3000 is unveiled at Horwich. It's an even more radical design than the '2MT'. The boiler is fixed at the smokebox end but supported on brass rubbing plates at the firebox end; the cab is attached to the back of the boiler rather than the frames. The running plate is noticeably high, leaving the wheels and valve gear completely exposed to ease maintenance. Even the regulator rod is visible.

1 Smokebox

From 1963, the top lamp iron was moved to a lower position on the smokebox, although not all received this modification. However, some '4MTs' overhauled at Swindon and Eastleigh circa 1964/1965 not only received this but also had their smokebox door handrails removed and the numberplate fitted onto the top door strap, or just above. Some were also fitted with shorter door straps.



DAVE COBBE/RAIL PHOTOPRINTS

Guard irons

Nos. (4)3000-43106 were built with guard irons fixed to the main frames. From No. 43107, locomotives were built with guard irons fixed to the pony truck. All '4MTs' were modified during the 1950s.



R.A. WHITFIELD/RAIL PHOTOPRINTS

IN NUMBERS

162 built
3 builders
1 survivor

SHED SNAPSHOT

Here are the first sheds for all 162 Ivatt '4MTs':

London Midland Region:
Bletchley, Workington, Derby, Bristol Barrow Road, Sheffield Grimesthorpe, Leeds Holbeck, Nottingham, Nuneaton, Sutton Oak, Lancaster Green Ayre, Saltley, Leicester Midland, Skipton, Cricklewood

Eastern Region:
Peterborough New England, South Lynn, Melton Constable, Yarmouth Beach

North Eastern Region:
Middlesbrough, Scarborough, Heaton, Darlington, Hull Dairycoates, Selby

Scottish Region:
Eastfield, Carlisle Canal, Polmont

DID YOU KNOW?

M&GN '4MTs' were fitted with tablet exchange equipment, mounted in a recessed panel. The cab handrail followed the same curved profile as under the footplate.

MAIN 4 DETAIL DIFFERENCES

3 Tenders

Nos. (4)3000-43019's tenders had a square edge to the footplate and a toe hole above the step. From No. 43020 onwards, the edge under the footplate curved inwards to form a step. From No. 43050 onwards, the rear ladder stopped at bufferbeam level and a rear handrail was fitted. All tenders received the later modified side vents and, with the exception of Nos. 43000-43019, the curved-under footplate step.



D. FORSYTHE/COLOUR RAIL

Chimneys

Nos. (4)3000-43049 were built with double chimneys, while Nos. 43050-43161 were fitted with a modified 'Black Five' pattern chimney. As a result of experiments at Swindon Works, the whole class was fitted with a new design of chimney, 1ft 6in tall, between 1953 and 1956.



COLOUR RAIL

1949: Enginemen soon find that the Ivatt '4MTs' were poor steamers but it takes until April for a serious study of the issues. No. 43027 is used in trials between Crewe and Holyhead. The results prove that a single blastpipe is better and a chimney based on that of a 2-6-4T is fitted.

1950: Doncaster Works outshops its first Ivatt '4MT' (No. 43050) in July, with Darlington producing its first (No. 43070) in August. Arthur Peppercorn had been designing a new, small 2-6-0 for the Eastern and North Eastern Regions but BR management decided that the Ivatt design was preferable.

1951: South Lynn shed's No. 43094 moves

to Swindon Works to see if the class' steaming issue can be resolved. It undergoes tests on both Swindon's testing plant and on trials between Wantage Road and Filton. The trials are successful and Job No. 5658, issued in April 1952, gives authority to fit new single chimneys based on the work at Swindon. Conversions don't start until April 1953.

1968: No. 43114 becomes the first '4MT' to be withdrawn when it is condemned from Normanton in November 1963. Withdrawals came thick and fast and, by the start of 1968, only six - Nos. 43006, 43008, 43019, 43027, 43033 and 43106 - are left in service. All are based at Lostock Hall but, by

June, only No. 43106 remains in service, although a minor derailment at Colne back in April means that it's actually laid up at Lostock Hall. Withdrawn on June 23, it's bought by a group of young enthusiasts and, in August, moves to the Severn Valley Railway.

2011: It's a moment that East Anglian railway enthusiasts have waited nearly 50 years to see: an Ivatt '4MT' back on the M&GN. No. 43106, which returned to steam after a lengthy overhaul at the SVR in 2009, makes its first visit to the North Norfolk Railway in August - in fact, it's the locomotive's first visit to another preserved line.

'4MTs' IN THE NORTH

The Scottish Region received ten Ivatt '4MTs' in 1951; Nos. 43132-138 went new to Eastfield and Nos. 43140/141 to Polmont. The furthest north Ivatt '4MTs' were recorded was Aviemore (August 9 1952) and Perth (September 17 1952), although Nos. 43132, 133, 135 and 137 spent May and June 1953 working the Fort William-Mallaig line. Other Scottish sheds to host '4MTs' include Kipps, Parkhead, Grangemouth, Bathgate, Dawsholm, Greenock and Hurlford. In order to maximise economies by pooling parts and expertise, Nos. 43132-138, 140/141 were transferred to the North Eastern Region in 1963; nine BR Standard '4MT' 2-6-0s were transferred to Scotland in their place.

No. 43139, meanwhile, went new to Carlisle Canal shed, where it spent ten years working the branch from Riddings Junction on the Waverley Route to Langholm and through to Carlisle. Canal shed, which transferred to the London Midland Region in 1958, closed in 1963 and No. 43139 moved to Kingmoor.

Kingmoor '4MTs' could be found on the Langholm branch, most notably pioneer No. 43000 and No. 43011, which was photographed at Langholm on October 10 1963 with the 3.28pm to Carlisle.



HUGH BALLANTYNE/RAIL PHOTOGRAPHS

'4MTs' IN THE SOUTH

No Ivatt '4MTs' were allocated to either the Western or Southern Regions (No. 43094 was allocated to Swindon 82C during its trials) but Devons Road depot, in east London, supplied '4MTs' for working cross-London freights from the Southern Region yards at Feltham and Hither Green, duties that they shared Cricklewood-based classmates.

Further south, however, Ivatt '4MTs'

could be seen among the Southern Region paraphernalia at Bournemouth West. Bristol Barrow Road shed received Nos. 43012 new from Horwich Works in April 1948 and was obviously borrowed a lot for Somerset & Dorset Joint services that, by January 1949, it had been loaned to Bath Green Park. No. 43013 followed that August and they were joined by brand new No. 43036 in June and then

No. 43017 in December. However, the Ivatts were not a success on the S&D and all had been transferred away by the end of 1953.

Although not working as far south as Bournemouth, No. 43012, now based at Saltley, made a return to Bath Green Park on June 23 1962, where it worked the 12.20pm to Bristol, formed of Southern Region coaches.



HUGH BALLANTYNE/RAIL PHOTOGRAPHS

'4MTs' IN THE EAST

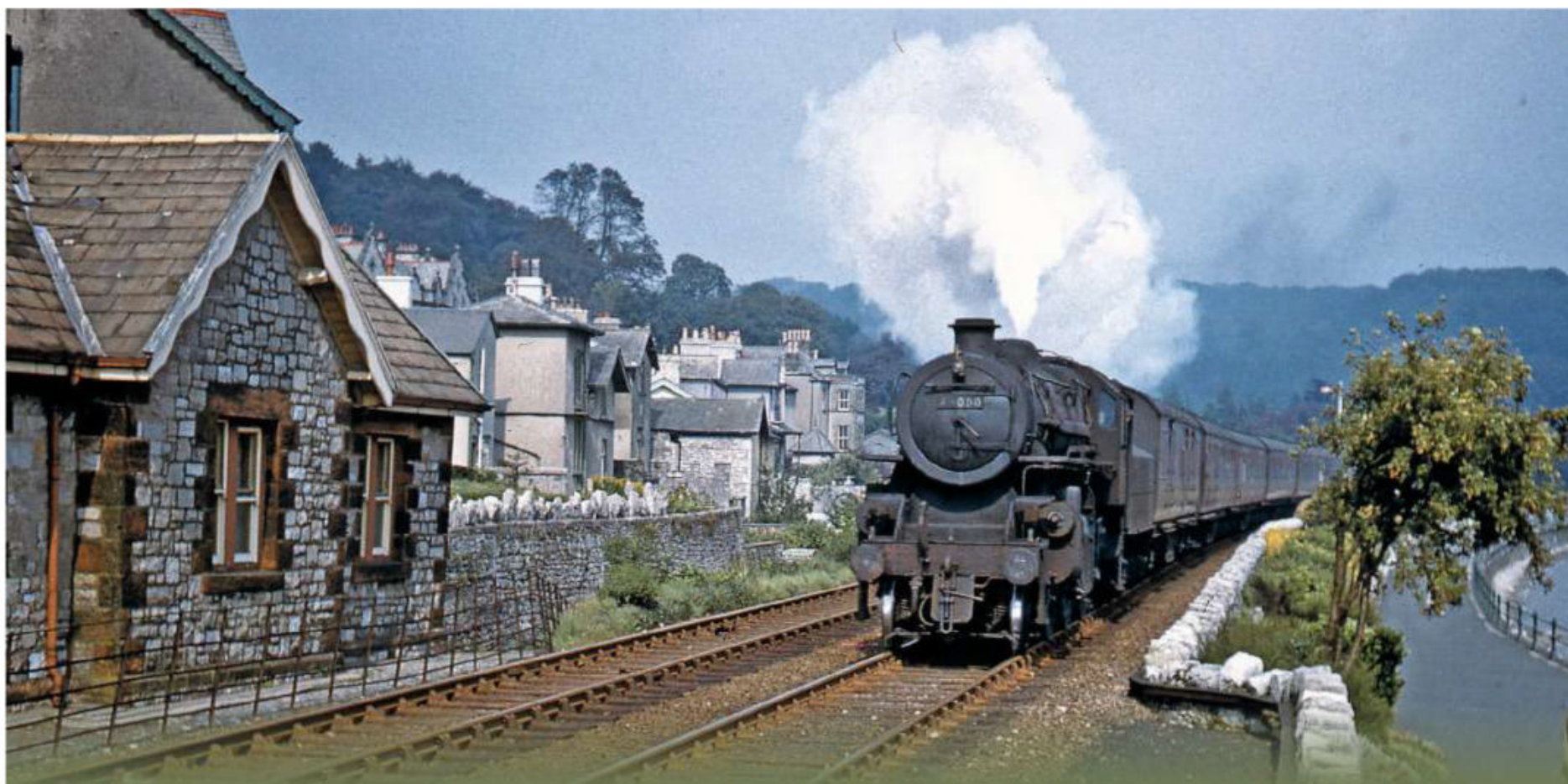
Although Eastern Region '4MTs' made it as far as London King's Cross or onto the Metropolitan/Great Central Joint, it was the former Midland & Great Northern Joint Railway where the class had its biggest impact. This system, which stretched from Peterborough and Little Bytham, south of Grantham in the west to Great Yarmouth and Cromer in the east, had always been a problem to operate, thanks to its heavy traffic but weak bridges. The '4MTs' were perfect for the M&GN and over 50 were allocated to the system, bringing a degree of standardisation of which other BR managers could only dream.

No. 43094 crosses one of the line's most distinguishing features, the half-road/half-rail swing bridge across the River Nene at Sutton Bridge, with the 12.58pm Peterborough-Yarmouth Beach on August 30 1958. No. 43094, new to South Lynn shed in December 1950, carries the Whitaker tablet catcher in a recess on the tender.

The M&GN, however, was one of the first high-profile closures, pre-dating the Beeching 'axe'. It ceased to be a through-route on February 28 1959, although sections remained open for goods traffic – and Sheringham-Cromer is still part of the national network.



HUGH BALLANTYNE/RAIL PHOTOPRINTS



R. PATTERSON/COLOUR RAIL

'4MTs' IN THE WEST

Ivatt '4MTs' were a familiar sight along the northwest coast. Sheds at Carlisle, Workington and Carnforth supplied '4MTs' for workings around Morecambe Bay and the Cumbrian Coast. This association started in 1948 when Nos. 3006-3009 went to Workington in 1948 where they were to replace '4F' 0-6-0s on freight trains to Carnforth; their indifferent performance meant that they were better suited to the

passenger work on which they soon found themselves.

Dieselisation forced greater numbers of '4MTs' to migrate to the northwest in the 1950s. Class pioneer No. 43000's story was fairly typical. From Devons Road shed in 1951, it moved to the Midlands (in this case Nuneaton) before reaching Kingmoor in 1961. The late summer sun illuminates No. 43000 as it

passes Grange-over-Sands on September 3 1962.

The north-west's allocation hung on to almost the end of BR steam. Kingmoor's last, No. 43028, was withdrawn in December 1967 while Workington kept hold of No. 43006 until January 1968 when it moved to Lostock Hall, near Preston. The final six gathered here for the last few months of BR steam.

Build it! Stainmore Route

From the millstone grit of the West Riding to the collieries and slag heaps of Tyneside and the tourist hotspots of the Yorkshire coast, Ivatt '4MTs' played a huge role in keeping the North Eastern Region moving. Its initial 36 Ivatts were hemmed in by the Rivers Tees and Humber, but they soon spread their wings across the whole region, from Blyth and Hartlepool to York and Leeds.

But one classic railway that the '4MTs' called home was the Stainmore Route. As the Lancaster & Carlisle Railway pushed what would become the West Coast Main Line north, pressure was mounting

to link the railways of east and west.

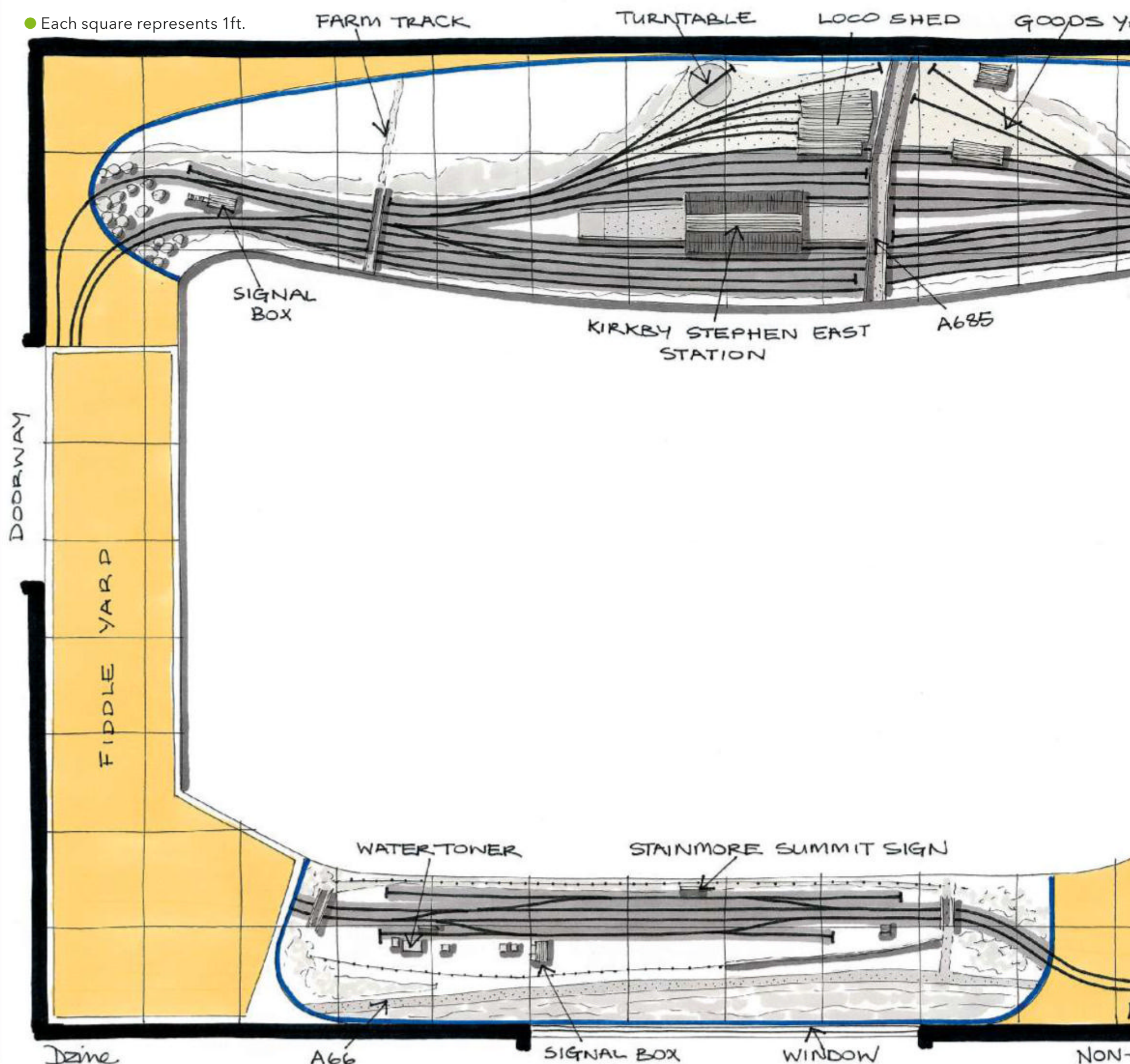
The South Durham & Lancashire Union Railway was an offshoot of the Stockton & Darlington with the intention to do just that. And it did, the result being a tortuous route over the 1,370ft Stainmore summit to link Darlington and Bishop Auckland with Tebay and Penrith. It was opened in 1861 and featured gradients as fierce as 1-in-60 in some of the country's wildest terrain. It has captured the imaginations of railway enthusiasts ever since.

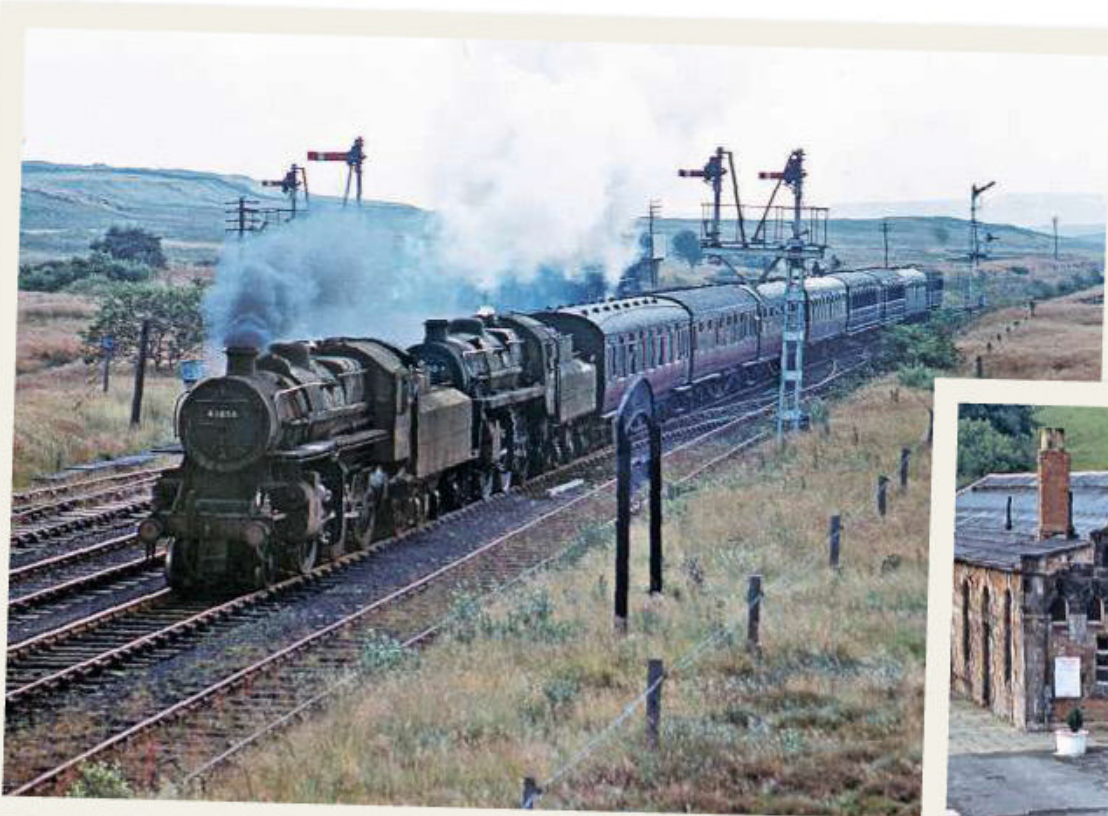
The route was laid out by Thomas Bouch, the engineer who would later be disgraced when his bridge across the River Tay

collapsed. But his engineering reputation was redeemed slightly as this similarly constructed iron viaduct across the River Belah survived until closure.

Following infrastructure improvements that were finished in April 1955, '4MTs' were employed on heavy coke trains. Six '4MTs' were transferred to Kirkby Stephen - Nos. 43038, 43055, 43122, 43124, 43128 and 43130 - while others moved to West Auckland. '4MTs' from Tebay and Carlisle Kingmoor would continue the class' links with this remote and wild railway until it closed as a through-route on January 20 1962.

● Each square represents 1ft.



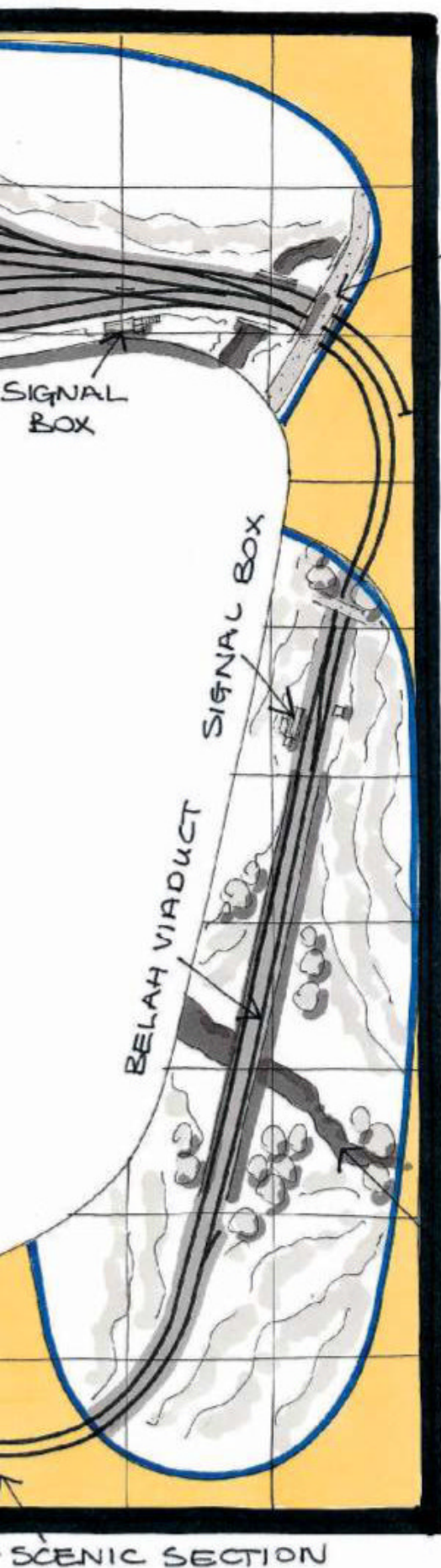


Left: Stainmore Summit was 1,370ft above sea level and marked by this distinctive cast iron sign. A replica now stands sentinel over the moorland and is visible from the arduous A66 route, which has been built over the railway in places. There was no official station at the summit but an untimetabled stopping place served nearby cottages. TREVOR OWEN/COLOUR RAIL



Above: Kirkby Stephen East was one of the most attractive stations on the Stainmore Route and, happily, is the headquarters of a bustling railway museum. Ivatt '4MT' No. 43056 leads Standard '4MT' No. 76050 on an eastbound train on August 12 1961. TREVOR OWEN/COLOUR RAIL

Below: No. 43120 trundles through the fabulous scenery near Merryhill, to the east of Kirkby Stephen, with a short freight. PETER ZABEK/COLOUR RAIL



One of the Stainmore Route's most famous structures was the iron viaduct over the River Belah, which was designed by infamous bridge engineer Thomas Bouch of Tay Bridge disaster fame. Standard '4MT' No. 76045 leads an Ivatt classmate over the structure - which is now but a memory - with a holiday special returning from Blackpool to the North East in the 1950s. CECIL ORD/RAIL ARCHIVE STEPHENSON

CLASS 73

Chris Gadsby looks at the popular electro-diesel that's just started to spread its wings.



RAIL PHOTOPRINTS

Class 73 vital stats

Built: 1962, 1965-67 (49, built at Eastleigh and Vulcan Foundry)
Length over buffers: 53ft 8in
Height: 12ft 5in
Width: 8ft 2in
Wheel diameter: 3ft 4in
Power: 1,420hp
Tractive effort: 42,000lb



D. PYE/COLOUR RAIL

10 KEY DATES

1958: The Southern Region's Kent Coast electrification scheme brings with it a requirement for locomotives to work goods and parcels services. The new 'HA' Bo-Bo electrics combine third-rail shoes and overhead pantographs in order to cope with some of the issues with gaps between conductor rails and electrified lines in yards. However, combining a diesel engine and third-rail pick-ups is considered a more suitable solution.

1962: Eastleigh Works turns out six revolutionary electro-diesels. E6001-E6006 are built to the restricted Hastings line loading gauge. Each is fitted with a 600hp engine and puts out 1,420hp on electric. These locomotives, classified

'JA', are deemed a success and British Railways places an order for a further 43 locomotives from English Electric, to be built at the Vulcan Foundry.

1965: The first of the new batch, E6007, enters service in October. Deliveries continue until E6049 enters service in October 1967. The design of the 'JBs' is virtually identical but minor technical differences prevent them from working in multiple with 'JAs'. Other key differences are that the 'JBs' have a higher tractive effort and maximum speed (90mph).

1968: BR first sees Southern Pacific Railroad's Total Operating Processing System and subsequently buys it for its own use. The resulting new classification

1 Headlights

BR's standard high-intensity headlights did little to change the '73's' face. However, several have received new light units in very different styles: GBRf and RVEL's Class 73/9s have horizontal light clusters with a central high-level headlight. Network Rail's has a pair of raised single lights. Its headcode panel has been plated over and a central headlight mounted here too. 73133 was fitted with light clusters when turned into a route learner locomotive in 1997.



Headcode panel

2

The Class 73s were built with a two digit route indicator panel between the two cab windows, just like the Southern's EMU fleet. EWS started to remove the redundant indicator panels on some of its '73s' and it's become a feature of various '73' rebuild programmes: both versions of '73/9' have had theirs glazed to improve visibility but the Caledonian Sleeper locomotives', 73966-971, windows are fitted with a small wiper.



IN NUMBERS

49 built
2 builders
10 scrapped

SERVICE SNAPSHOT

Here are the operators for all of the Class 73s still in service:

Nemesis Rail: 73114/34

GB Railfreight:
73107/09/19/28/36/41,
73201/12/13, 73961-71

Network Rail: 73138,
73951/52

Gatwick Express: 73202

South Western Railway:
73235

MAIN 4 DETAIL DIFFERENCES

3 Body sides

Throughout the service life of the Class 73 there has been a wide variety of body sides with differing window and grille arrangements. The majority sport either one or two side windows, although 73952 has been fitted with four while in Network Rail yellow. These body side detail differences can be easily seen if you look at Dapol and Hornby's Class 73 'OO' gauge models.



Engine

4

The 'JAs' and 'JBs' were built with the same English Electric 4SRKT Mk II engine fitted to the 'Thumper' units. RVELs Class 73/9 rebuilds are fitted with Cummins QSK19 750hp engines (the same engine that's fitted to the 'Voyager' units) whereas GBRf's Brush-built Class 73/9s have MTU 1,600hp V8 engines.



DID YOU KNOW?

Class 73 were not the Southern's only electro-diesels; the ten Class 74s were created from Class 71 electrics. When they were withdrawn in 1976/77, the '73s' were the only electro-diesel locomotives on the network until the introduction of the Class 88 in 2017.

system leads to the 'JBs' becoming Class 73. The initial six locomotives are planned to be classified as Class 72s. However, they're so similar that they become Class 73/0 and the later build become Class 73/1.

1972: On January 8, an engineer's train, headed by two Class 73s, passes a signal at danger at Horsham and hits the rear of a passenger train. Luckily, there are no fatalities but the lead Class 73, E6027, sustains enough damage that it's stored and then withdrawn the following February. It becomes the first '73' to be scrapped; only nine others suffer the same fate.

1991: The 150th anniversary of the London-Brighton main line is celebrated in fine style when 73101, named the

Brighton Evening Argus, is outshopped in full Pullman umber/cream livery. 73101 becomes a Class 73 celebrity; it still carries the iconic livery, although it's in store at Eastleigh.

2009: Faced with shifting thousands of tons of spoil from Imberhorne cutting as part of its push to East Grinstead, the normally 100% steam Bluebell Railway hires the Class 73 Locomotive Preservation Company's 73136 for the year.

2012: 73211 and 73104 are completely rebuilt by Rail Vehicle Engineering Limited in Derby. The biggest change is the removal of the 600hp diesel engine and addition of a pair of 750hp Cummins engines to significantly increase the power of the

locomotive when running in diesel mode. These changes bring about a new sub-classification of Class 73/9.

2013: GB Railfreight also launches a refurbishment programme for its Class 73s. They also use the '73/9' sub-class but the work that Brush carries out is very different to those of RVEL. 73961-965 are turned out in GBRf livery for south of England operations, whereas 73966-971 are allocated to Caledonian Sleeper.

2016: On August 13, 73130 hauls the first passenger train to depart Finner station, on the GC's London Extension, since it closed on October 5 1964. The '73' has since left the site as it's become a construction depot for HS2.

RAIL PHOTOPRINTS

PJ HUGHES/COLOUR RAIL

ALAMY

ALAMY

CALEDONIAN SLEEPER

The lines around the '73's' spiritual home of Stewart's Lane are a rising, tumbling tangle that squeezes among neighbouring buildings. A '73' looks at home here... but now some '73s' call the vast expanse of Rannoch Moor 'home'.

When Caledonian Sleeper's new operator, Serco, joined forces with GBRf to supply motive power,

Britain's longest passenger train got even more interesting!

GBRf's Class 92s were perfect for hauling the 16 coaches between London and Edinburgh. But what about the non-electrified lines to Fort William, Aberdeen and Inverness? The only suitable locomotives in GBRf's arsenal to haul passenger trains over these

lines were the heavily rebuilt '73/9s'.

GBRf has five '73/9s' at St Leonards but it had 73005/006/117/105/103/207 rebuilt as '73/9s' and outshopped in Caledonian Sleeper's handsome livery, complete with stag logo and transferred to Craiginny depot, some 400 miles away from traditional Southern territory. Yet they still retain their third-rail pick-up shoes!



ALAMY



GATWICK EXPRESS

When Gatwick Airport railway station opened in June 1958, the only service was provided by London to Brighton stopping services. This was still the case nearly 30 years later, despite Gatwick becoming Britain's second busiest airport. Clearly something had to be done and the Class 73 came to the rescue.

Gatwick Liaison Group's long-term aim of forming an express service

between London Victoria and the airport came to fruition in May 1984. Mk 2 coaches were modified with Southern push-pull equipment to become Class 488; redundant '2-HAP' driving cars were turned into Class 489 General Luggage Vans. To work these vehicles, a pool of 12 push-pull Class 73s were created and, after modifications were

made, these became the Class 73/2.

It was advertised that this new service would complete the journey in 30 minutes, although 35 was more accurate. Despite this, Class 73s played an important role in getting holidaymakers to their destinations until 2005. Although Gatwick Express now uses Class 387/2 EMUs, trusty 73202 is still retained as a 'Thunderbird' rescue locomotive.

ALAMY

EUROSTAR

Doesn't the idea of Eurostar still sound futuristic? You get on an airline-style train in London, it speeds under the sea and you get out in Paris. Its Class 373 units looked like something out of *Buck Rogers* when they were unveiled over 25 years ago, so it was a surprise that Eurostar had to rely on 1960s diesels!

Eurostar's base was at North Pole Depot, near Paddington and, along with 12 Class 37s, it had 73118 and 73130 to

rescue failed Eurostar sets or to haul them over the then non-electrified sections of railway between the depot and the electrified line to the Channel Tunnel.

The two '73s' looked handsome in two-tone grey with circular logos but they were heavily disfigured by Scharfenberg coupler units and other equipment was needed to haul Eurostar sets. As this photograph of 73118 at Kensington Olympia on July 13 2001 shows, all the

equipment almost obliterates the yellow warning panel.

After the opening of the Channel Tunnel Rail Link in 2007, Eurostar's trains moved to a new depot - Temple Mills. With no more non-electrified sections to deal with, the two '73s' were surplus to requirements.

F. HORNBY/COLOUR RAIL



MERSEYRAIL

Britain's various rapid transport systems, such as London Underground or Tyne & Wear Metro are fascinating and interesting networks, but their trains don't... well, they don't look like *real* trains.

That's where Merseyrail is different. It's a metro system for full-size trains. It's also a third-rail system so when it

required a fleet of locomotives for Departmental duties, the most economical solution was to transfer Class 73s to Merseyside. Four Class 73/0s (73001/2/5/6) went north (as well as 73004 for spares) to Birkenhead North TMD. Of the quartet, 73001 and 73006 received Merseyrail's distinctive yellow colour scheme. This

pair also received Sandite discharge equipment. All four were disposed of in 2002.

But don't let the Merseyrail branding lead you to think that these '73s' were restricted to Liverpool and Birkenhead. Not so, for they made it as far west as Warrington and even Crewe, where 73006 was photographed in 1994.

MIKE JEFFRIES/RAIL PHOTOPRINTS



Build it! Merseyrail

The origins of the current Merseyrail system can be traced to the Mersey Railway, which opened in 1886 between Green Lane station in Birkenhead to Liverpool James Street. Key to the system was the tunnel under the River Mersey. Between 1886 and 1891, the route was extended to Liverpool Central and to the Wirral Railway, as well as a branch that connected with the Birkenhead Woodside to Chester line.

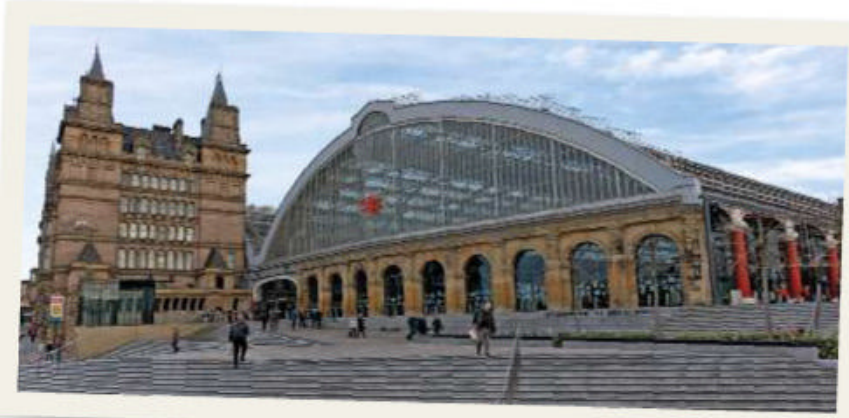
It's a sad fact that the Mersey Railway's story is not as well known as that of other contemporary companies but it has been the source of several key milestones in British railway history. Most notable is the fact that it was electrified in 1903, becoming the world's first example of full electrification of a steam railway, pre-dating electrification of parts of the Metropolitan Railway in London by two years.

Had it not been for the people of Merseyside, the Mersey Railway may well have closed at the hands of Dr Beeching as he recommended that only Liverpool Lime Street should remain open and

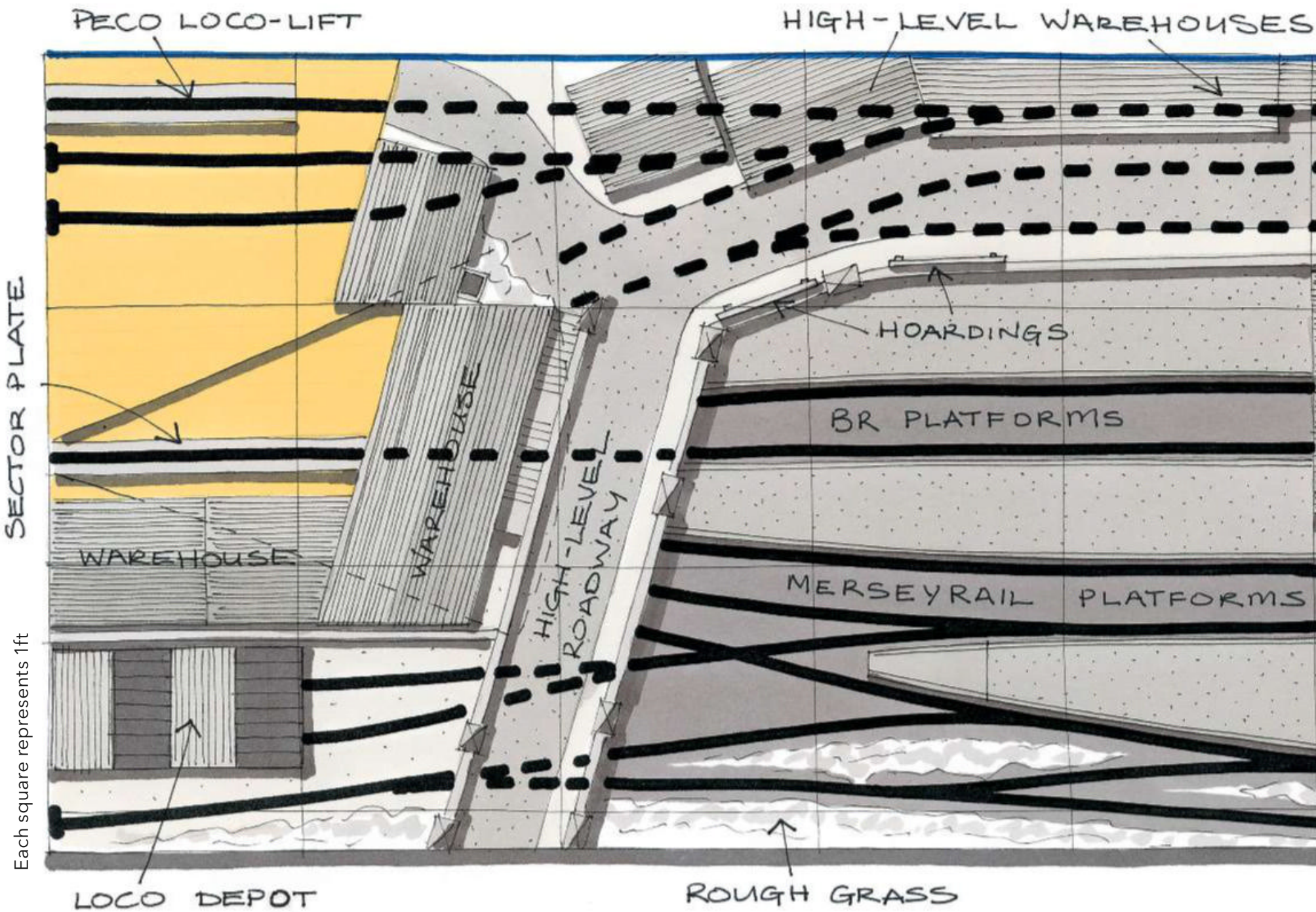
suburban commuter services be halted. This would have left a lot of people with transport difficulties and Liverpool City Council proposed a rapid transit network to replace the lost services. The Merseyside Passenger Transport Authority, later named Merseytravel, was formed in 1969 with representatives from all Merseyside local authorities taking responsibility for the rail lines identified to be incorporated into the new network, to be known as 'Merseyrail'. At that time, the lines out of Liverpool Exchange, Liverpool Central Low & High Levels and Liverpool Lime Street stations were completely separate.

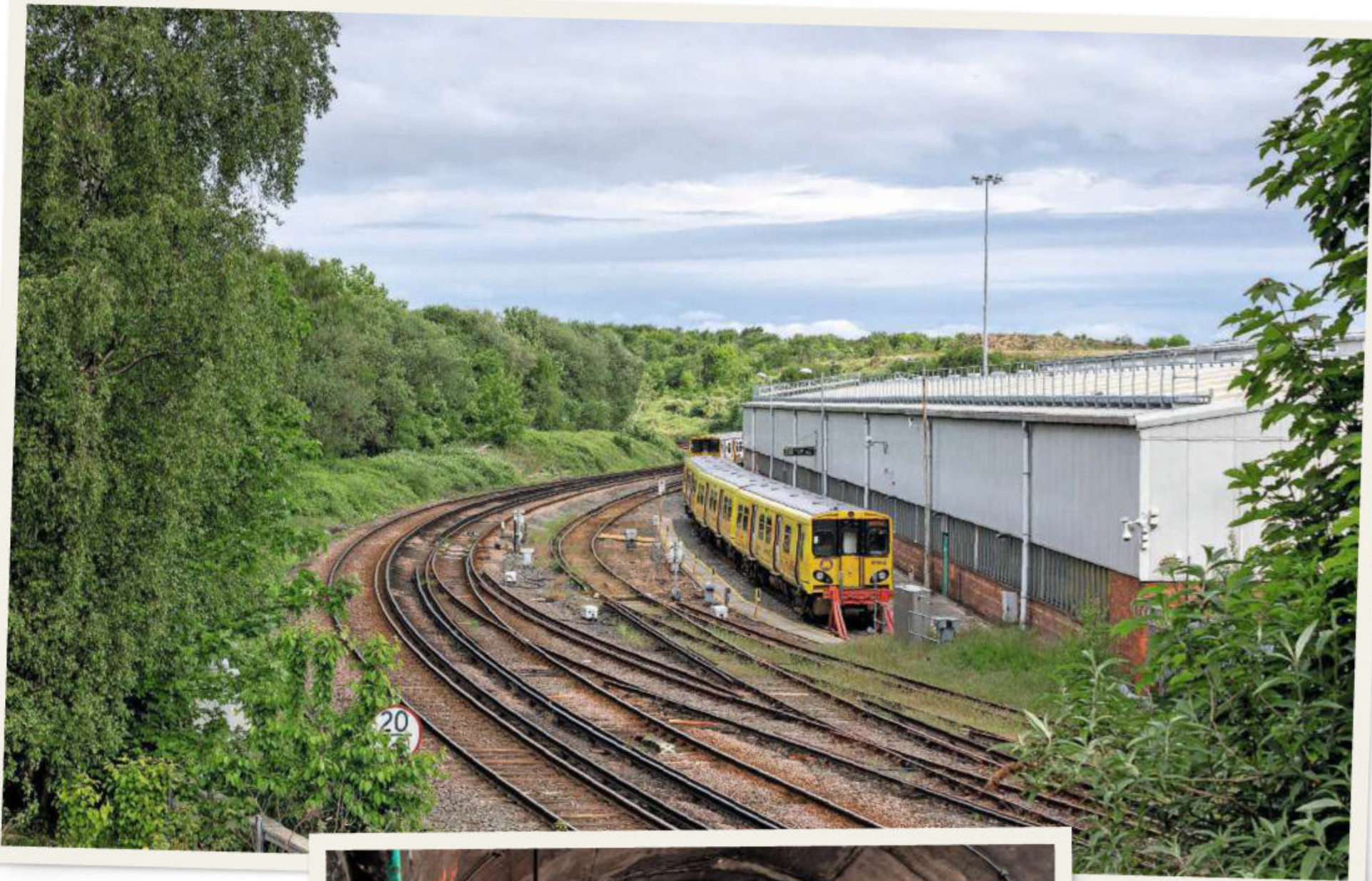
Today, Merseyrail is a franchise, operated by Serco-Abellio. It comprises three key routes - the Northern Line, the Wirral Line and the City Line - that Southport in the north to Chester in the south with central Liverpool. And, unlike other British metro systems, it's maintained by Network Rail.

Liverpool Lime Street is the major terminus of Merseyrail with the City Line starting and ending here, as well as a stop on the Wirral Line as part of the James Street, Moorfields, Lime Street and Central loop. ALAMY



By Paul A. Lunn
"This 6ft by 3ft 2in 'OO' gauge layout comprises three Merseyrail platforms and a small Merseyrail depot with two BR platforms towards the rear scenic section. All five platform faces feed into a 2ft long sector plate. This also links to low-level non-scenic sidings, at the rear, with a high-level scenic section above. Anticipated train length is a two-car unit or Class 73 and a handful of permanent way wagons. The track plan is designed with Peco Streamline in mind, including short and/or medium points, where space permits."



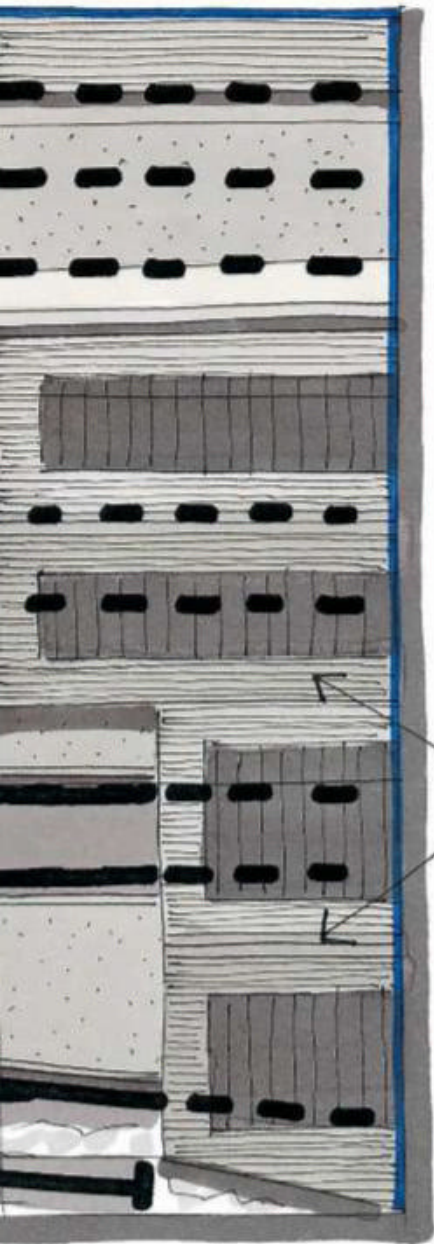


Above: Birkenhead North TMD was the base for Merseyrail's four Class 73s. The three and four-road sheds now house Merseyrail class 507 and 508 EMUs, which are due to be replaced by new Class 777s being built by Swiss firm Stadler. ALAMY



Left: Six and a half miles of the Merseyrail network is below ground. In fact, the route of the original Mersey Railway is the world's oldest underground railway outside London. ALAMY

Below: The departmental duties for the Class 73s took them across the Merseyrail network. Here, 73006 waits at Hall Road depot north of Crosby for its next duty. J.D. CABLE/COLOUR RAIL



OVERALL ROOFS

Dzine



LBSCR

'Terrier' 0-6-0T

The story of these cheeky Victorian survivors is like no other, as **Richard Foster** explains.

STEPHEN LEEK

'A1X' vital stats

Built: 1872-1900 (50, all built at Brighton Works)
Length: 26ft 0½in
Height: 11ft ¾in
Width: 8ft 3in
Wheel diameter (driving): 4ft 0in
Wheelbase: 12ft 0in
Weight: 28ton 5cwt
Cylinders: 20in by 12in (2)
Boiler pressure: 150lbs/sq in
Tractive effort: 7,650lb



RICHARD FOSTER/MR

10 KEY DATES

1869: The Highland Railway produces a new 0-6-0T, using a set of old wheels and an old boiler. It's the first 100% new design produced by the HR's 36-year-old locomotive and carriage superintendent William Stroudley.

1870: William Stroudley takes up the post of locomotive and carriage superintendent of the London Brighton & South Coast Railway. The LBSCR is in poor shape; it has no money and its motley collection of locomotives is unfit for the traffic levels at the time.

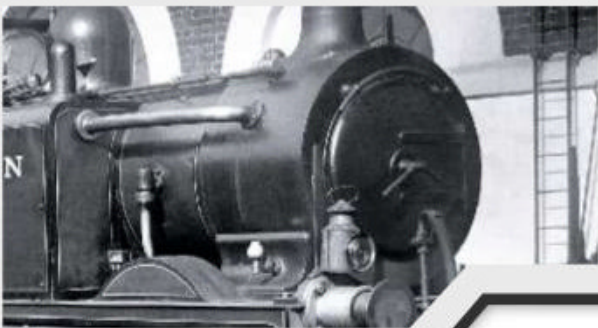
1872: The first of six new 0-6-0Ts enters service on September 7. Classified 'A' (later 'A1'), they were the first of a new

design that had to combine speed and power for the heavy traffic on the South and East London lines but had to be light enough for the LBSCR's poor-quality trackwork. Inspired by that first HR design, the 'As' were far superior to any locomotive of Stroudley's predecessor, J.C. Craven, and a further 44 were built between 1874 and 1880.

1878: LBSCR steamer *Honfleur* leaves Portsmouth on March 30 with newly built 'Terrier' No. 40 *Brighton* on board. No. 40 is displayed at the World's Fair, in Paris, along with Alexander Graham Bell's telephone and the completed head of the Statue of Liberty. *Brighton* would win

1 'A1X' rebuild

LBSCR chief engineer Douglas Marsh designed a new boiler for the 'Terriers'. With the dome further forward, it also boasted a larger, drum-head smokebox, which required an all-new smokebox saddle, rendering the distinctive wing-plates redundant. Most - but not all - also received new sandboxes under the running plate. Rebuilding started in 1911 and the locomotives were reclassified from 'A1' to 'A1X'. Rebuilds to 'A1X' standard were carried out by companies that had bought second-hand 'Terriers'.



Condensing apparatus 2

The 'Terriers' were originally fitted with condensing apparatus, whereby exhaust steam was diverted from the smokebox back into one tank, across the boiler and through the other before being exhausted. This helped raise the feedwater temperature to improve thermal efficiency and thus save coal. However, the travelling public was then showered in hot, sooty water. Stroudley's successor, Billinton, had the apparatus removed... but Marsh had it reinstalled.



MAIN 4 DETAIL DIFFERENCES

3 Extra step

As well as extended bunkers, three Isle of Wight 'Terriers' received extra footsteps in front of the tanks. A complementary handrail was fitted to the front of the tanks. The extra steps and handrails were fitted to the three 'Terriers' that remained on the island after 1936 (BR Nos. 32640, 32646 and 32677). The extra steps and handrails were fitted to No. 32662, which was never an island 'Terrier', presumably during the same works visit as when it received the island extended bunker.



2-4-0T conversions 4

The LBSCR trialled two 'Terriers' on push-pull duties in 1905. As well as receiving push-pull gear, Nos. 81 *Beulah* and 82 *Boxhill* were converted to 2-4-0Ts. The original splashers and sandboxes were initially retained but the latter was later moved to behind the leading wheel. Both locomotives were detuned, with cylinder dimensions reduced and *Boxhill*'s boiler pressure reduced to just 130lbs/sq in. Both were rebuilt as 0-6-0Ts in 1913.



IN NUMBERS

3,265 miles between Brighton and Waddon's preservation home in Canada
50 built
10 survivors

SHED SNAPSHOT

Here's how BR's remaining 10 'Terriers' were allocated 60 years ago, in September 1960:

Southern Region:

Brighton 75A (Nos. 32635, 32636, 32662, 32670); Eastleigh 71A (Nos. 32640, 32646, 32650, 32661, 32678); Lancing Works (DS680)

DID YOU KNOW?

The nickname 'Terrier' first appeared in print in 1873. They were also known as 'Rooters', which was taken by some to mean 'little pigs', but 'Terrier' was, apparently, Stroudley's preferred nickname for the class.

a gold medal for engineering excellence.
1899: The Isle of Wight Central Railway buys No. 75 *Blackwall* for £800. Although No. 72 *Fenchurch* has been 'sold' to the Newhaven Harbour Company the year before, this was a 'paper transfer' rather than an actual transaction. But the IoWCR's purchase was the result of years of negotiation, aware that the LBSCR wanted to reduce its 'Terrier' fleet. In total, 22 'Terriers' would go on to find new owners, with the final sales taking place in 1937.
1948: British Railways inherits 11 operational 'Terriers' from the Southern (plus three Departmental locomotives), No. 5 from the GWR and one from the

Kent & East Sussex Railway. It also becomes responsible for officially preserved 'A1' *Boxhill*.

1960: As the Bluebell Railway Preservation Society is trying to operate a service on an old stretch of LBSCR metals, a 'Terrier' is a must-have locomotive. No. 32655, formerly *Stepney*, and two coaches are bought for £750 and they arrive at Horsted Keynes on May 17.

1963: Brighton shed's last 'Terrier', No. 32678, is made redundant by the closure of Newhaven's West Quay in October and only the Hayling Island branch keeps 'Terriers' employed. The branch, however, closes on November 4

and, on the same day, BR officially withdraws the last five 'Terriers' it has on its books from Eastleigh.

1973: The Wight Locomotive Society negotiates for the loan of No. 32640 from Butlin's. It becomes the first 'Terrier' on the Isle of Wight since 1949 when it is unloaded at Ryde Works on January 27.

2022: Could five 'Terriers' be in steam to celebrate the 150th birthday of the class? It is possible that the Isle of Wight's No. W11 *Newport* and Bressingham's *Martello* could be joined by the KESR's *Bodiam* and *Knowle* and it is hoped that the Isle of Wight's No. W8 *Freshwater* might also be back in action.



COLOUR RAIL

BRIGHTON WORKS

When Brighton Works restored *Boxhill* to full LBSCR condition in 1947, there happened to be enough golden ochre paint left over to repaint No. 2635 (formerly *Morden*) too. Coincidence?

Brighton often plays second fiddle in terms of prominence to the Southern Railway's ex-LSWR works at Eastleigh, just as Horwich is often overlooked in favour of Crewe, or Darlington slips behind

Doncaster. But Brighton was responsible for some of the most beautiful steam locomotives built in Britain. It also built Bulleid's ill-fated 'Leader' and the design office played a key role in developing the BR Standards.

Two things raised Brighton Works' profile: the overlooking cliffs provided a vantage point for photography. The other was 'Terrier' *Morden*. It was transferred to

the Southern's service department in 1946 as a replacement for *Boxhill* as Brighton Works' shunter. The repaint was one of the most famous liveries carried by a 'Terrier' – Stroudley golden ochre with the legend 'Brighton Works' on the tank side. So popular was the livery that *Morden* carried it when it returned to the main fleet as No. 32635 in 1959. It still wore the livery until it was withdrawn in 1963.

HAYLING ISLAND

Weight restrictions or tight curves on branch lines kept some ancient locomotives operating beyond their natural lifespans. That's great news for enthusiasts, but it caused a headache for railway management!

Hayling Island's sandy beaches and sea breezes have long made it a popular holiday destination, but holidaymakers now cross the waters at Langstone Harbour by a road bridge; at one stage, the only crossing was the 1,100ft timber trestle bridge (including its short steel swing section) built by the Hayling Railway in 1872. The 'Terriers' were perfect for the 4½-mile branch, and ruled the roost from 1890. In the 1950s, summer Saturday traffic was so heavy that it required three 'Terriers', plus a fourth acting as spare. The Hayling Island branch became the last line in the country with 'Terrier'-hailed passenger trains but the estimated £400,000 required to repair the Langstone Bridge combined with increased car usage forced BR's hand. This 'Terrier' outpost closed on November 4, 1963. Here, in happier times, former Isle of Wight 'Terrier' No. 32640 rumbles across the bridge with four coaches and a van bound for Hayling Island on August 23 1959.



COLOUR RAIL

ISLE OF WIGHT

What makes the Isle of Wight so special is that it feels as though all the best bits of the English landscape have been squeezed into 146 square miles. It's only the 21st-century bustle of Newport and Ryde that destroys the illusion that crossing the Solent is a portal to a simpler time.

Its 55-mile railway system mirrors this illusion as, even just after the war, it was

worked by three standard classes – 'Terriers', 'E1s' and 'O2s' – all of Victorian vintage.

'Terriers' were an almost perfect fit for the island. Southern Railway green suited their dumpy shape and complemented the island's lush landscape, and local settlements – Freshwater, Carisbrooke and Bembridge – were immortalised in the

form of slim nameplates on the locomotives' tank sides.

The Southern's island 'Terriers' were rebuilt to 'A1X' standard but stood apart by retaining the splashers sandboxes and extended bunkers that, some argue, made them even more attractive. Here, No. W11 *Newport* shows off its handsome lines at Newport on March 17 1936 with a train to Freshwater.



O.J. MORRIS/RAIL ARCHIVE/STEPHENSON

KENT & EAST SUSSEX

The idiosyncratic railways of Holman F. Stephens and the 'Terrier' go together like fish and chips. The 'Terriers' were lightweight yet powerful and, more importantly, cheap. We could focus on any number of Colonel Stephens' railways here – the Shropshire & Montgomeryshire, the Edge Hill Light Railway or the Sheppey Light Railway. But there really is only one choice: the Kent & East Sussex Railway

If you searched for 'bucolic branch line' in an encyclopedia, the definition would be 'Kent & East Sussex Railway'. This beautiful yet somewhat ramshackle system, originally called the Rother Valley Railway, bought 'A1s' Nos. 70 *Poplar* and 71 *Wapping* in 1901 and 1905 respectively. They became Nos. 3 *Bodiam* and 5 *Rolvenden*. Both became life-expired in the 1930s so they were combined into one good locomotive in 1932, which returned to service as No. 3 *Bodiam*, which was photographed outside Rolvenden shed in 1936. It was fitted with a unique bunker and received an 'A1X' boiler in 1943. It became BR property in 1948 when the line was nationalised and worked the final train on June 11 1961 along with No. 32662. Happily, *Bodiam* still calls the KESR home.



J.M. JARVIS/ONLINE TRANSPORT ARCHIVE/RAS

Build it! Weston Clevedon & Portishead

Why are we Brits always drawn to the underdog? The Weston Clevedon & Portishead Railway was certainly a railway underdog: impractical and run-down, yet it casts an intriguing thrall and continues to fascinate to this day, more than 80 years after it closed.

Everything about the railway was wrong. All three towns were served by the GWR, but that didn't stop the promoters from building a new railway. Weston to Clevedon opened in 1897 – after ten years' work. It took a further decade to reach Portishead.

The stock was second-hand and presented a sorry yet somehow compelling sight. Train times were painfully slow and they were flagged across roads. Yet who cares?

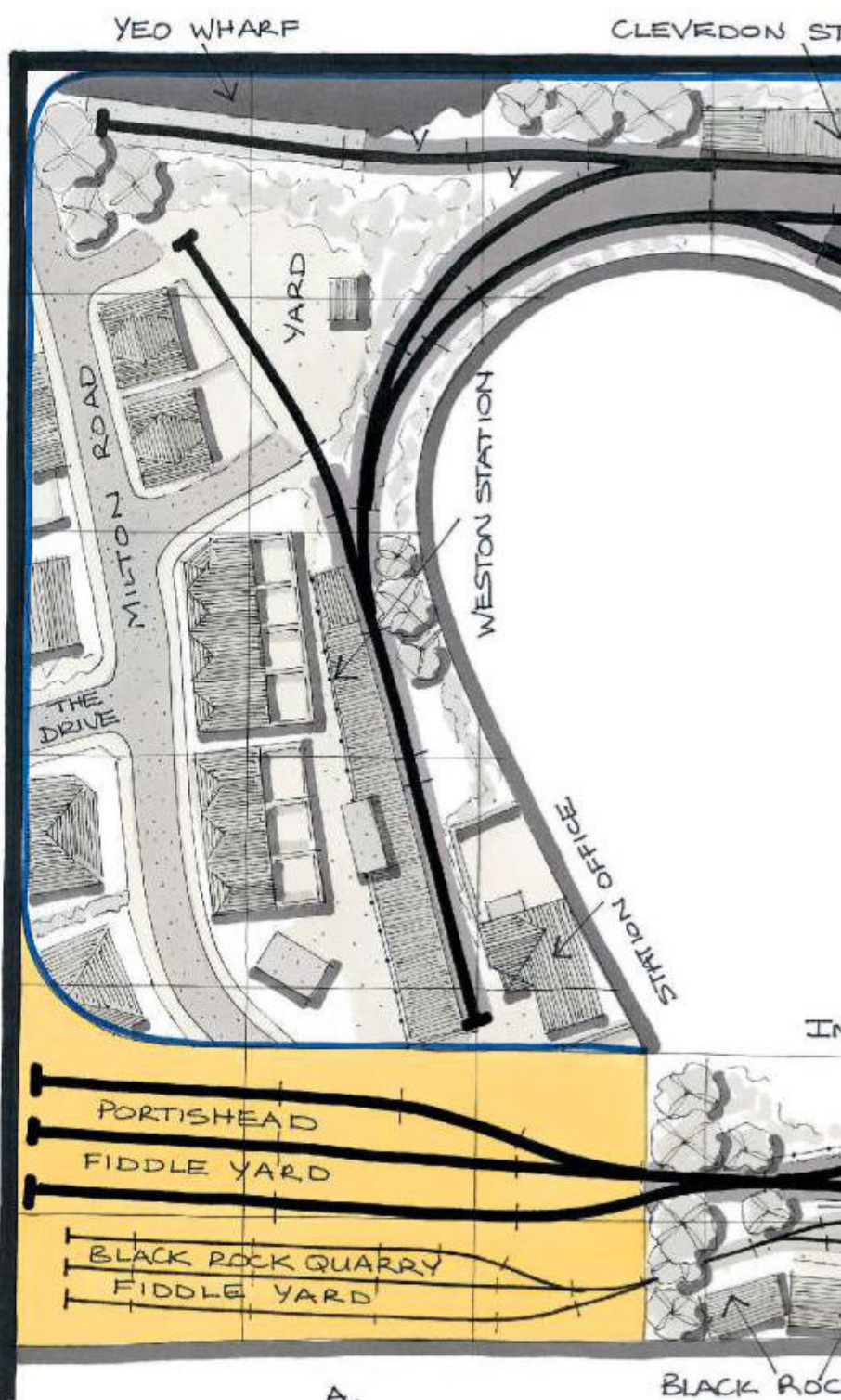
The line was built on a shoestring budget and lost money from the start.

Consequently, it spent most of its working life in the hands of the receivers and, in 1911, they appointed light railway champion Holman F. Stephens as general manager, and with whom the line is most associated.

Despite the best efforts of Colonel Stephens and his successor, William H. Austen, the fortunes of the line steadily declined and the receivers finally pulled the plug; the last passenger train ran on May 18 1940. It passed into the ownership of the GWR, which used it for extra siding space.

The rails were removed in 1942/1943, which was an inglorious end to a charismatic little railway that made the railway map just that little bit more fascinating.

Each square represents 1ft.



Above: The Weston Clevedon & Portishead Railway had many charms but its two 'Terriers' probably spring to mind first. They were bought from the Southern Railway in 1925 and 1937 respectively and became No. 2 *Portishead* and No. 4 on the WCPR. Both passed into GWR ownership and received GWR livery, becoming Nos. 5 and 6. WCPR No. 4 (formerly LBSCR No. 53 *Ashstead*) was photographed among the modern semi-detached houses at Clevedon on October 4 1937. R.G. JARVIS/ONLINE TRANSPORT ARCHIVE/RAS

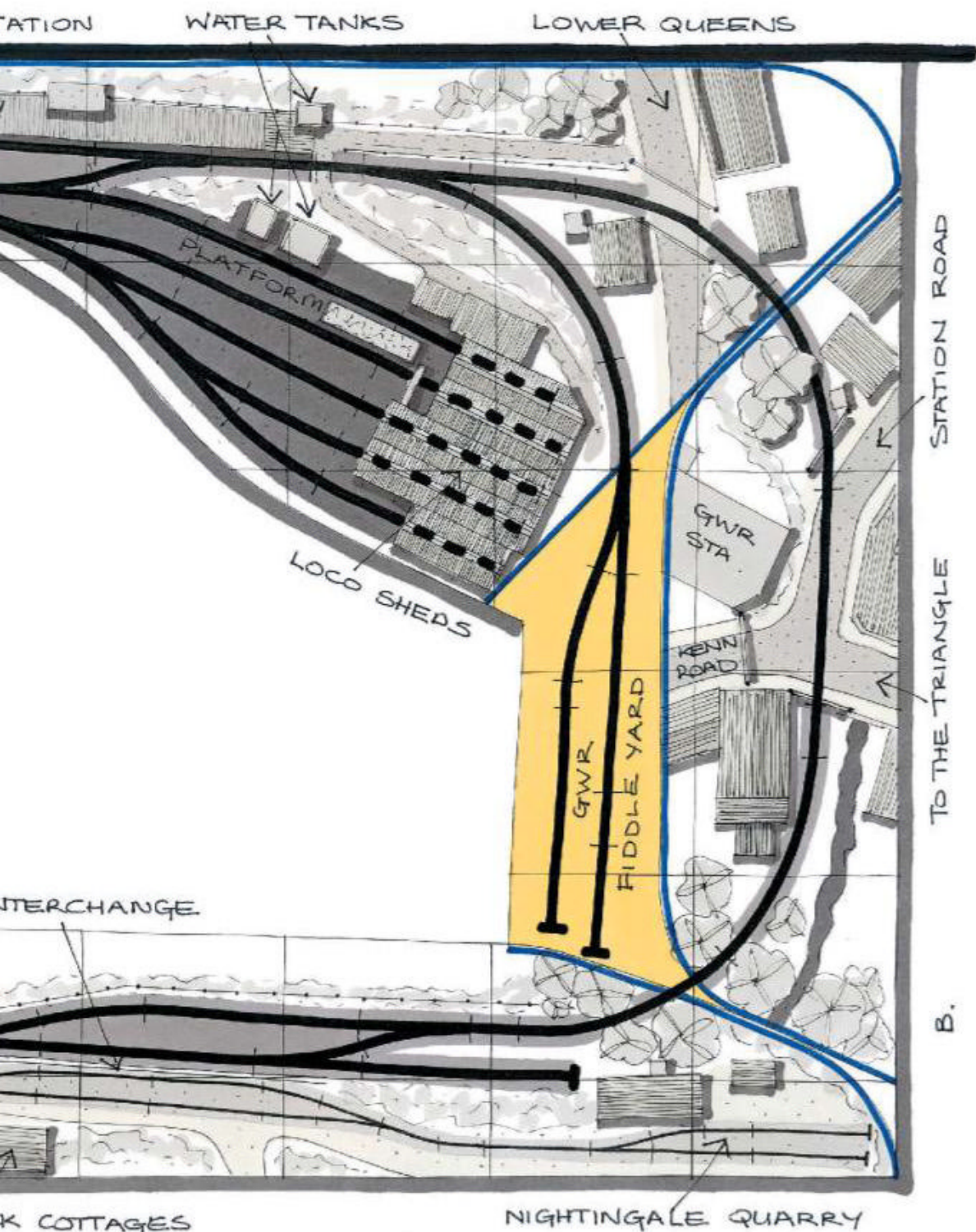
Right: Another WCPR oddity was the six 'Wild West' bogie coaches with verandahs. They were built by the Lancaster Carriage & Wagon Works for Argentina, but the export order fell through and they were bought by the WCPR instead. The final three coaches in service were scrapped at Swindon Works. This photograph reveals the WCPR's lightly laid permanent way. CHRIS LEIGH COLLECTION



Above: Clevedon station was the railway's nerve centre, with locomotive and carriage sheds and, just a few hundred yards further on, a siding to the town's gas works. WCPR No. 4 stands outside the shed on June 25 1938. One of the tracks in the foreground curved round behind the shed to reach the GWR's Clevedon station. CHRIS LEIGH COLLECTION



Left: Facilities at both the WCPR's termini were pretty basic. The wooden platform at Weston station replaced an earlier, ground-level affair. Along with the wooden shelter, the main station building comprised a wooden building with a corrugated iron roof, although traffic manager E.R. Wintour lived in a fine stone house next door! CHRIS LEIGH COLLECTION



By Paul A. Lunn

"This plan uses Peco 'OO' and 'OO9' Setrack and depicts a simplified terminus at Weston with a fictitious loop shared with Clevedon station. Near the latter, there's a kickback siding to Yeo Wharf, extensive locomotive facilities, a connection to the GWR and two non-scenic sidings.

"There's a further section of the Portishead line, running through streets near Triangle, then to the interchange at Black Rock and Nightingale Quarries, and to the main fiddleyard beyond. I anticipate the layout will be situated against two walls along the short Weston end and longer Clevedon side. Access is via a central operating well and walkways A. and B., at least 2ft wide, along the quarry interchange and Triangle sides."

WHAT PECO TRACK YOU'LL NEED

- ◆ ST-200 Straight x6 @ £1.80
- ◆ ST-201 Double straight x21 @ £2.85
- ◆ ST-202 Short straight x4 @ £1.55
- ◆ ST-203 Special short straight x1 @ £1.55
- ◆ ST-225 R2 curve x6 @ £2.60
- ◆ ST-226 R2 double curve x7 @ £3.30
- ◆ ST-227 R2 curve x1 @ £1.80
- ◆ ST-238 Curved large radius x2 @ £2.50
- ◆ ST-240 R/hand point x5 @ £12.00
- ◆ ST-241 L/hand point x10 @ £12.00
- ◆ ST-244 R/hand curve point x1 @ £19.00
- ◆ ST-401 Standard Straight Pack (8) @ £17.25
- ◆ ST-411 Double straight x4 packs (16) @ £16.20
- ◆ ST-413 Wired straight x1 @ £9.45
- ◆ ST-412 R1 Curve Pack x1 (6) @ £16.70
- ◆ ST-405 R/hand point x3 @ £13.00
- ◆ ST-406 L/hand point x2 @ £13.00

Total price: £496.10*

*Prices taken from www.kernowmodelrailcentre.com

GWR No. 5 in action

Arguably, the most fascinating twist in the 'Terrier' story was when WCPR Nos. 2 and 4 were taken over by the GWR. They became Nos. 5 and 6 respectively. No. 5 was fitted with a new crank, GWR 8mm injectors, a sight feed lubricator, steam

brake and GWR whistle. No. 6 was withdrawn in January 1948 but, in December that year, No. 5 went to Taunton, followed by a move to Newton Abbot in January 1950. It was stored at Swindon and withdrawn in 1954.



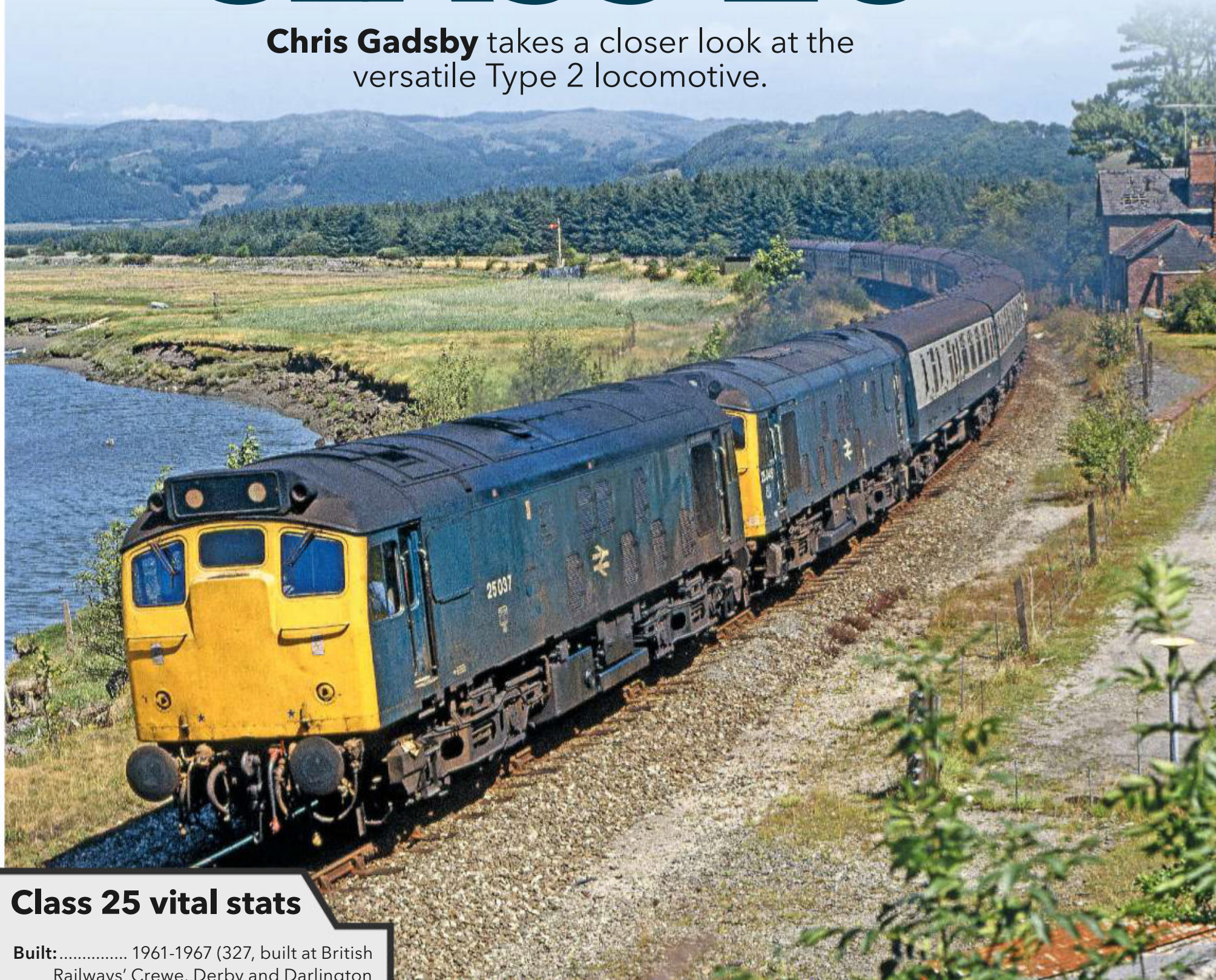
Above: No. 5 Portishead
inside Bristol St Philips Marsh
shed on March 29 1948.
RAIL ARCHIVE STEPHENSON

Rail Archive Stephenson
Main: No. 5 snapped from
a passing train at Taunton in
1949. RAIL ONLINE

CLASS 25

Chris Gadsby takes a closer look at the versatile Type 2 locomotive.

RAIL PHOTOGRAPHS



Class 25 vital stats

Built:..... 1961-1967 (327, built at British Railways' Crewe, Derby and Darlington Works; Beyer-Peacock & Co.)
Length over buffers: 50ft 6in
Height:..... 12ft 8in
Width:..... 9ft 1in
Wheel diameter:..... 3ft 9in
Tractive effort: 45,000lb

10 KEY DATES

1958: British Railways unveils a new Bo-Bo diesel electric fitted with a Sulzer 6LDA28 engine. Pioneer D5000 runs from Derby Works to Marylebone station in July for official inspection by the BR Board. A further 150 are built by Derby, Darlington and Crewe Works until 1961. Originally dubbed Sulzer Type 2, the class ultimately becomes '24' on TOPS.
1961: One of the Sulzer Type 2's shortcomings is its 75mph top speed. The Sulzer engine is uprated and D5151 emerges from Darlington Works in April. Outwardly, it shares the same body as the '24/1s' that Darlington has just finished building, but it has a top speed of 90mph.

A further 24 are built (D5152-D5175). These become Class 25/0 on TOPS.
1963, January: A further batch of '25s' has been ordered from Darlington Works and the first, D5176, appears in January. It features improved traction motors and other minor modifications. D5176-D5232 become Class 25/1 on TOPS.
1963 December: BR has deemed that gangway doors are no longer necessary and D5233, outshopped from Derby on the 21st, reflects this: the nose has been redesigned without doors. Other key changes include revised cantrail grilles. The locomotive is also outshopped wearing a handsome new two-tone green

RAIL PHOTOGRAPHS



1 Airhorns

The first Class 25s had the same body as the Class 24s and that included the bufferbeam-mounted airhorns. Starting with D5176, the horns were mounted either side of the headcode panel. Some received a revised design with the horn moulding being flush with the panel's wings.



G.M. WARD/COLOUR RAIL

End doors 2

The Class 24s and some of the early Class 25s were fitted with end doors with a folding corridor connection behind. This was to allow for access to the train heating boiler when working in multiple so that the boiler could be shut down 15 minutes before it was detached from the train. After the rule requiring this was no longer in force, the doors were sealed up, but as new locomotives didn't require them the end was redesigned. The Class 25/2s sport this new cab end arrangement.



COLOUR RAIL

MAIN 4 DETAIL DIFFERENCES

3 Side air louvres

The other principle area of alteration for the Class 25/2 was the side louvres (air intakes). Comparison tests were undertaken between a Derby-built Type 2 and a BRCW Type 2 concerning the air quality in the engine room. The Derby-built Type 2 design allowed much more debris to get through the filters. A redesign was commissioned with the intention of giving a less cluttered appearance to the exterior and saving money over the course of the service life.



COLOUR RAIL

Removable blanking plates 4

After a particularly cold winter in 1963, the Class 25s struggled with the water and steam heating systems freezing and causing breakdowns. To solve this, removable blanking plates were fitted to the large bodyside grille adjacent to the train heating boiler.



G. PARRY COLLECTION/COLOUR RAIL

IN NUMBERS

327 built
4 builders
20 survivors

SHED SNAPSHOT

Here are the sheds for the remaining 325 Class 25s in March 1974.

London: Cricklewood, Willesden

South Eastern Region: Laira, Bristol Bath Road

Midlands Region: Bescot, Toton, Tinsley, Longsight Diesel, Springs Branch

Northern Region: Kingmoor

Welsh Region: Cardiff Canton, Ebbw Junction

Scottish Region: Eastfield, Haymarket

DID YOU KNOW?

D5278 was the first Class 25 to be withdrawn after it was involved in an incident near Peak Forest. It remained there for six months and was broken up on site.

livery. D5233 is unique in that it has a steam-heating boiler: D5234-D5299, D7500-D7597 are built without them.

1966: Construction of the final 80 machines begins at Derby. The batch was to be split between Derby and Beyer Peacock but, owing to financial issues with the Manchester builder, Derby takes on construction of the whole batch. Tweaks to the electrical equipment leads to D7598-D7677 becoming Class 25/3 on TOPS. To make life even more complicated, some Class 25/3s are dual-braked, whereas others are just vacuum only.

1976: BR has already made great reductions to the Class 24 fleet and now

starts on the '25s'. But withdrawing so many locomotives at once causes logistical problems. Swindon, Doncaster and St Rollox are at full capacity, so BR calls in private scrap dealers. Vic Berry is one such scrap dealer and famously creates a stack of 30 Type 2s (Class 25 and Class 27) bodies at its Leicester HQ.

1983: Three '25s' are turned into mobile generators, dubbed ETHELS, to electrically heat coaches on steam railtours. They're used until 1991 but not scrapped until 1994.

1985: The Class 25/9 sub-class is created from the 12 locomotives of the 25/3 sub-class with the lowest engine hours. These are primarily used for mineral trains in

the north west and although they have their top speed limited to 60mph in an attempt to extend their life, and are planned to be in service for another three years, withdrawals commence just one year later, with the last two examples condemned in March 1987.

1991: After withdrawal in 1987, celebrity 25322 becomes part of BR's training fleet and it moves to Holbeck depot. There, it's beautifully restored as D7672 and is used for special duties until finally withdrawn on March 30.

2007: A Class 25 returns to the main line! The North Yorkshire Moors Railway's D7628 'Sybilla' is passed for running between Grosmont and Whitby.



SETTLE & CARLISLE

Whether you intend to ride on it or just watch trains, a visit to the Settle & Carlisle is a must. The undoubted highlight is the stretch from Ribbleshead station that curves over Ribbleshead Viaduct and to the isolated signal box at Blea Moor before the line plunges into the depths of the tunnel of the same name, ending almost 15 miles of climbing at 1-in-100 – and all flanked by the Yorkshire Three Peaks.

This is the landscape of 'Royal Scots' and 'Jubilees', of Class 40s and 'Peaks'. But the '25s' were no strangers to the 'Long Drag', nor were the lines west from Settle Junction to Carnforth, Lancaster and Heysham.

When BR steam ended in 1968, Leeds Holbeck had a sizeable fleet of '25s' (23 in total) as did Carlisle Kingmoor, which would explain their regular appearances on the S&C. They were still a common

sight in the 1980s, as Longsight's 25186 illustrates when captured heading north from Ribbleshead in March 1982.

It was fitting that celebrity '25' *Tamworth Castle* was used on specials designed to increase patronage on the newly saved S&C. It reminded people what a '25' could do by breasting Ais Gill summit unaided with 520 tons on February 24 1990.

RAIL PHOTOPRINTS

SOUTH WALES

The memories of '25s' powering their way over Talerddig *en route* to Aberystwyth are so strong that it's easy to overlook the fact that the class was also used in South Wales too. Six '25s' (D5179-82, D7624/25) were transferred to Ebbw Junction in 1970/71 in order to replace NBL Type 2s.

The stretch of main line between the Welsh capital and the Severn Tunnel contains oft-overlooked locations for modelling. There's Caldicot station where the Severn Tunnel and Gloucester

lines diverge, the yards at Severn Tunnel Junction, Newport station and the bulk of Llanwern steelworks. After leaving Newport, the line travels in a near straight line through vast open fields, with the Severn on the left before entering Cardiff Central, where 25245 was photographed in 1980.

Any one of these locations would make an

interesting layout, even if modelled as they are today. But just imagine those locations in the days when '25s' ruled supreme, with heavy steel traffic and blue/grey Mk 1s – what more could you want?



D.B. SWALE/COLOUR RAIL

THORNABY

It's often forgotten that the first Class 25s went new to the North Eastern Region and to Thornaby depot in particular. When this photograph of class pioneer D5151 passing through Thornaby station was taken on April 24 1962, the adjacent depot had 23 of the 25 machines in service (and the other two were at Gateshead!). The '25s' played a huge part in helping the Region get rid of steam as

they replaced elderly NER and LNER 0-6-0s and 0-8-0s on the myriad goods trains to and from the docks, collieries and heavy industries.

Thornaby depot is another under-appreciated modelling subject. It opened in 1958 in order to replace sheds at Stockton, Haverton Hill, Newport and Middlesbrough. Built of brick and concrete, it cost over £1m.

Although impossible to model the whole site, even in 'N', you could concentrate on the 12-road straight shed, or the rare open-roof roundhouse or even the 200,000gal water tank and 350t coaling stage. It has plenty of scope to feature both diesels and steam locomotives on the same scene between 1961 and 1964, when the first diesels arrived and when it closed to steam.



COLOUR RAIL



MANCHESTER VICTORIA

Manchester Victoria would often reverberate to the sound of a Sulzer 6LDA28 engine in the 1970s and 1980s. Anyone who would trainspot there could almost guarantee ticking off at least one Class 25.

The handsome little Bo-Bos could be seen passing through with everything from a rake of oil tanks to cement wagons. Red Bank carriage sidings was

another regular source of traffic, especially parcels and newspaper traffic and a scruffy blue '25' hauling a mixture equally scruffy blue CCTs and GUVs was a common sight.

But '25s' were also regularly employed on pilot duties as there could be as many as three sitting waiting to give trains a shove up the formidable Miles Platting Bank, which, at its steepest, was 1-in-47.

Manchester Victoria has undergone a multi-million-pound revamp in recent years which has made it a much nicer place from a passenger point of view. Sadly, the atmosphere that it had in the 1970s/80s has vanished. Gone are many of the through roads, as is the imposing trainshed over Platforms 12-17 (along with the platforms). Parcels trains and blue '25s' are just a memory too.

JOHN E. HENDERSON/COLOUR RAIL

Build it!

Hemyock branch

During the final year of the Hemyock branch, a Class 25 was occasionally used for railtours with a couple of brake vans attached to the milk train. Heljan's Class 25 and Class 25/3 would be useful on this 'O' gauge layout designed by Paul A. Lunn.

"Here's an 'O' gauge interpretation of the branch terminus at Hemyock and its associated creamery", says Paul. "I've modified the track plan to suit Peco Setrack geometry, increased the main run-round loop for improved train length, and wrapped the design round on itself to fit into a large room or, with slightly increased width, for a 16ft by 10ft garage.

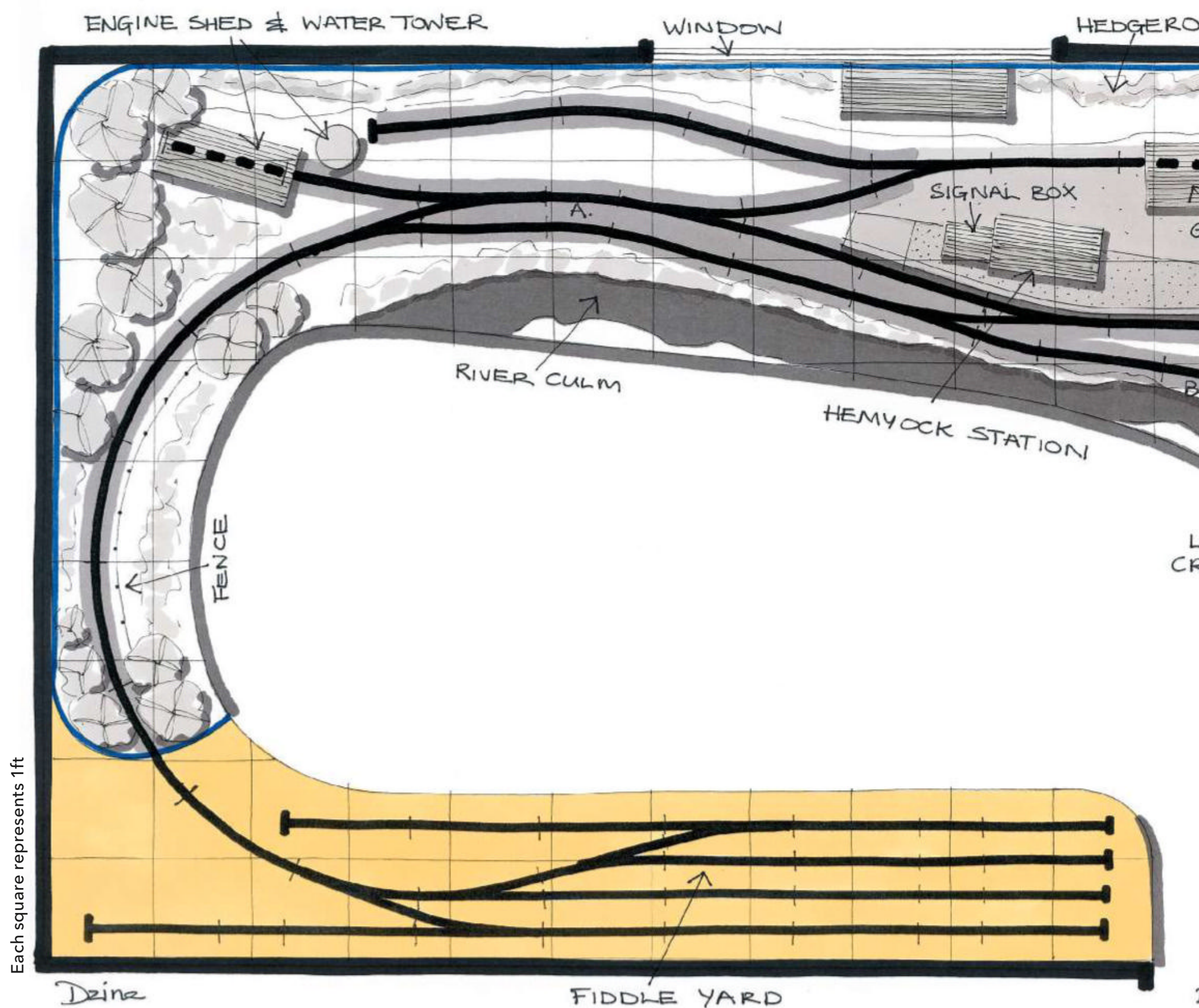
"I've tried to stick to the basic track sections as made, but have suggested a few modifications by cutting some standard curves and straights in half to create a gentle curve or to stretch a straight run towards the end of a baseboard, respectively. I particularly want to draw your attention to the double track curve at A., part inner curve from a 2nd radius section and the outer, at 3rd radius, from



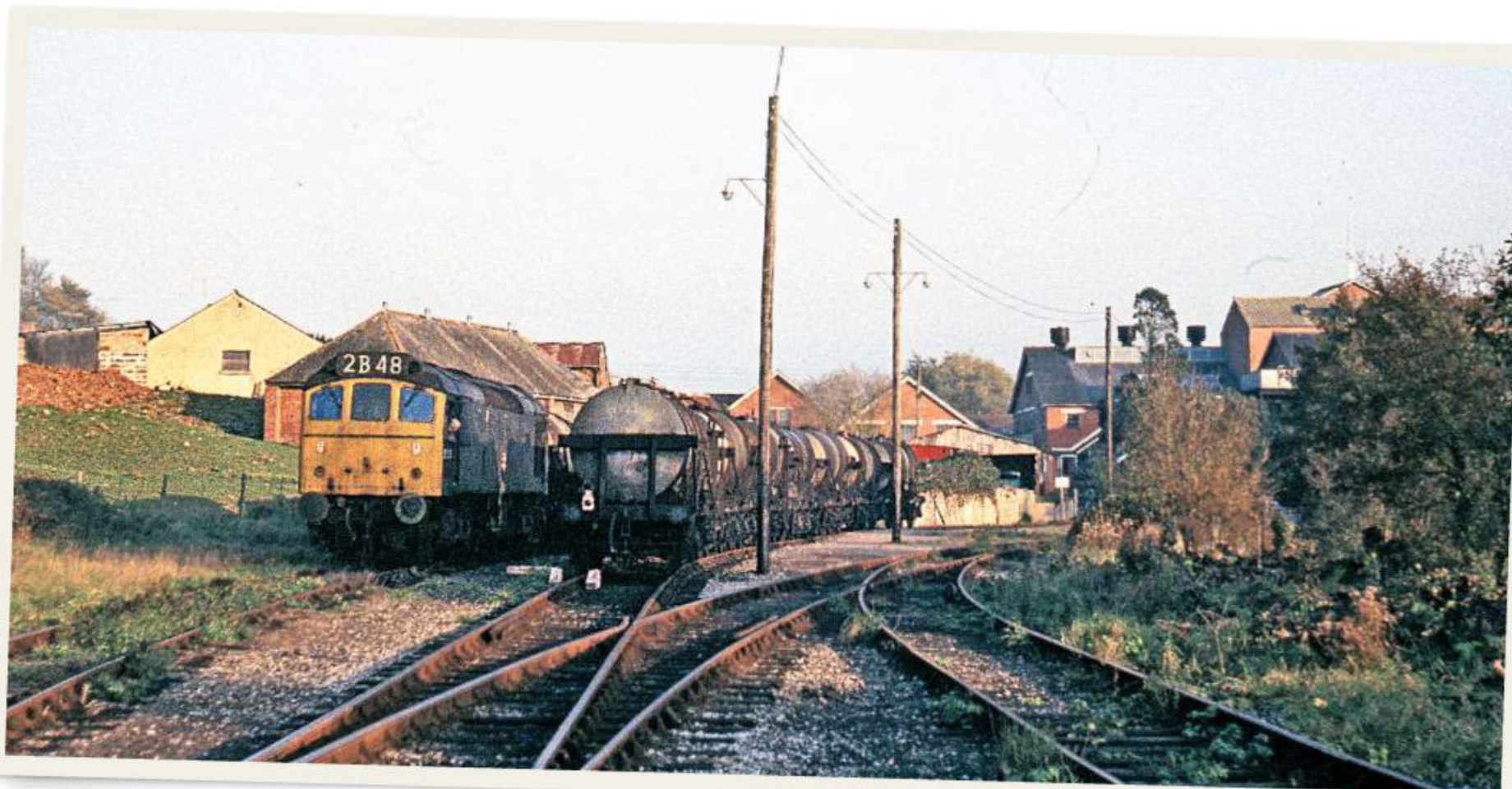
flexible track. The length of both will determine the angle as tracks head along past the platform.

"In discussion with Ben Jones at Heljan and staff from Dapol, there's a general consensus that Class 25s, '14XX' 0-4-2Ts and six-wheel milk tanks will all negotiate Peco's 40in radius Setrack curves."

The Class 25s were seen across the whole of the country, including Dawlish. Here, 25224 hauls a long passenger train past the bustling car park of Dawlish Warren on Saturday, June 26 1976. COLOUR RAIL

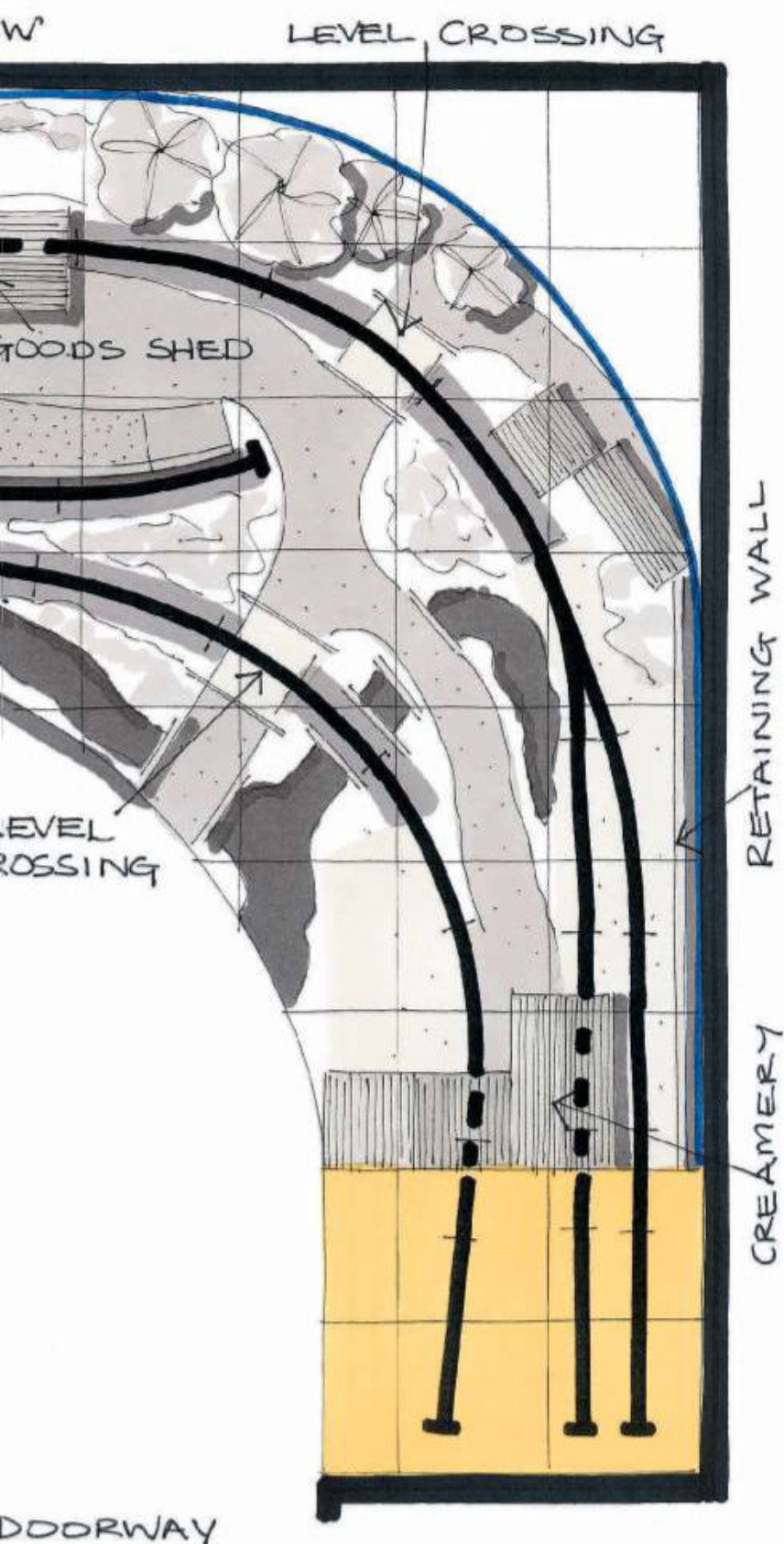


M.H. YARDLEY/COLOUR RAIL



The Hemyock creamery kept the line open long after it closed to passengers. Running from Tiverton junction to the creamery, the Class 25s were an important part of the operations until the line closed in 1975. Here, 25215 travels with a rake of tank wagons in October 1975.

With a short rake of tank wagons, the driver of this Class 25 has a discussion with a colleague before departing the creamery in October 1973. A.B. JEFFERY/COLOUR RAIL



Class 25s weren't merely used for main and branch line work. The versatility of these locomotives meant they could also do shunting work. In Truro, 25206 shunts the yard in August 1979. JOHN E. HENDERSON/COLOUR RAIL

HAWKSWORTH

'16XX' 0-6-0PT

Richard Foster takes a look at a branch line warrior that's at home in rural England, the Welsh valleys or the Scottish Highlands.

PATRICK NAIRNE/ALAMY

'16XX' vital stats

Built: 70 (1949-1955, all built at Swindon)
Length (over buffers): 30ft 2½in
Height (over chimney): 11ft 5½in
Width: 8ft 7½in
Wheel diameter (driving): 4ft 1½in
Coupled wheelbase: 14ft 8in
Total weight: 41 tons 12cwt
Cylinders: 16½in by 24in (2)
Boiler pressure: 165lb/sq in
Tractive effort: 18,515lb

10 KEY DATES

1897: The first of a new range of 0-6-0STs emerges from the Great Western Railway's Wolverhampton Works. It has a larger firebox than its predecessor and is classified '2021'. As Wolverhampton's chief George Armstrong retires this year, should the design be credited to him or William Dean, who is in charge at Swindon? These saddle tanks are rebuilt with pannier tanks during the 1920s.

1941: Frederick Hawksworth is appointed chief mechanical engineer in July, following the retirement of Charles Collett. Hawksworth has always worked for the GWR and has some ideas to improve locomotive design and construction.

Wartime demands mean that the first of his 'Modified Halls' appears in 1944, followed by his 'County' 4-6-0s in 1945 and the first of his pannier tanks in 1947.

1948: British Railways comes into being on January 1 but GWR locomotive construction continues with new 'Modified Halls', '2251s', 'Large Prairies', '57XX' and '54XXs' emerging from Swindon. On top of that, was it common sense or a typical GWR response to nationalisation to also lumber BR with orders for 280 new pannier tanks to three different designs?

1949: The '16XX' is an all-new pannier tank design that is essentially a like-for-like replacement of the old '2021'. It features



BRIAN STEPHENSON

1 Chimney

Four '16XXs' Nos. 1616, 1623, 1629 and 1661, received spark arrester chimneys for working yards and depots where an errant spark could be problematic, including Gloucester docks and the munitions depots at Ditton Priors, on the Cleobury Mortimer & Ditton Priors Light Railway.



Lamp irons

Nos. 1646 and 1649 were sent to Scotland in 1957/58 with the GWR's L-shaped lamp irons, and they retained them for some time. However, at some point - and the date has gone unrecorded - both received standard pattern straight lamp irons.



IN NUMBERS

70 built
5 years shortest working life
1 survivor

SHED SNAPSHOT

Here are the final shed allocations for all 70 Hawksworth '16XXs':
London Midland Region: Croes Newydd
Scottish Region: Helmsdale, Perth South
Western Region: Abercynon, Barry, Cardiff Radyr, Didcot, Ebbw Junction, Gloucester Horton Road, Hereford, Llanelly, Neath Court Sart, Neyland, Oswestry, Oxford, Slough, St Blazey, Swansea East Dock, Swindon, Whitland, Worcester

DID YOU KNOW

No. 1600 was bought by the NCB after being withdrawn in 1959. It was withdrawn again in 1963 and scrapped.

MAIN 4 DETAIL DIFFERENCES

3 Spare lamp irons

The main difference between the three batches of '16XXs' was the position of the spare lamp irons on the running plate: two - later three - over the leading axle (Nos. 1600-1629); three over the centre axle (Nos. 1630-1649); three over the leading axle (Nos. 1650-1669).



Livery details

All 70 '16XXs' were delivered in unlined black, complete with black chimney caps and safety valve bonnets. They remained in this livery until withdrawal, with the BR 'cycling lion' replaced by the later emblem. However, there were one or two variations: No. 1655 has received a brass safety valve bonnet while photographs suggest that No. 1623 received red-backed cabside numberplates.



a new boiler, welded tanks and rounded Collett cab but its underpinnings are still Victorian. It shares the '2021's' 4ft 1½in diameter wheels and even retains slide valves. Pioneer No. 1600 emerges from Swindon in October and goes new to Barry shed. A further 19 are built this year.
1955: Bristol St Philips Marsh shed receives the last '16XX', No. 1669. This completes Lot No. 417 of 20 locomotives delivered between November 1954 and May 1955 (Swindon had built a further 30 between June 1950 and May 1951). More significantly, it's the last GWR-designed steam locomotive to be built at Swindon.
1959: BR withdraws the last '2021',

No. 2069, from Birkenhead Mollington Street, in April. Such is the pace of dieselisation and the reduction of suitable work that the first of the '2021' replacements, No. 1603, is withdrawn from Oswestry shed just under two months later.
1963: Boundary changes mean that Croes Newydd shed near Wrexham becomes part of the London Midland Region.
1966: The Western Region had withdrawn its last '16XXs' by the end of 1965 but the London Midland Region still has three, all based at Croes Newydd. No. 1660 is withdrawn in February, followed by No. 1638 in August. Happily, miniature railway enthusiast Robin Butterell organises

a fund to buy it from BR and it moves to Tyseley. No. 1628 is the last '16XX' in BR service when withdrawn from Croes Newydd in September.
1969: No. 1638 isn't the only '16XX' still in existence; No. 1607 is at the National Coal Board's Cyndiedre Colliery. However, it's condemned in September.
1992: Despite having been a resident on the Buckfastleigh branch for more than 20 years, the newly formed South Devon Railway Trust cannot afford to buy No. 1638 from its Dart Valley owners; the locomotive is instead bought by the Kent & East Sussex Railway. It's still a KESR favourite, nearly 30 years later.

COLOUR RAIL

G.H. HUNT/COLOUR RAIL

KEITH JONES CRESSELLEY COLLECTION/RAIL PHOTOGRAPHS

J.M. WILTSHIRE/COLOUR RAIL

SEVERN & WYE

The Forest of Dean is a very special place. It's been a royal hunting ground since before the Norman Conquest and is Britain's second largest crown forest.

That's all very lovely, but what's in it for railway enthusiasts? Scratch beneath the surface and the Severn & Wye Railway offers some of the most intriguing stretches of railway in the country as it served the coal mining industry that

blossomed among the trees. Tunnels, junctions and quaint stations – everything you could want from a railway, all given an extra air of mystery thanks to its woodland location. Lydney shed regularly hosted '16XXs' for working the ex-S&W – and ex-GWR lines – in the forest.

But the other intriguing feature of the S&W was the great bowstring viaduct

over the River Severn, which had become part of its network following the absorption of the Severn Bridge Railway in 1894. The bridge was famously demolished by a runaway barge in 1960 but, on June 20 1964, in glorious sunshine, No. 1664 rumbled over the mothballed rails to Severn Bridge station, on the north bank, with the 'Severn Boar II' raitour.



TREVOR OWEN/COLOUR RAIL

WELSH WONDERS

The '16XXs' were perfectly suited to branch line work, which conjures images of these little panniers trundling through rolling hills with a couple of wagons in tow... but there was one line where a typical load was a dozen 16t mineral wagons loaded with coal.

Mention the Burry Port & Gwendreath Valley Railway and most enthusiasts will probably think of double or triple-headed Class 03s or 08s bringing heavy coal trains down this twisting and turning

route, whose canal origins made it a headache for the GWR and BR to operate. But before the cut-down diesels arrived, this idiosyncratic line was in the hands of the '16XXs'.

At least a dozen '16XXs' were recorded to have worked the line between the arrival of the first in 1949 and the final delivery in 1955. They were shedded at **Llanelly** and Burry Port where they worked passenger trains (until this ceased on September 19 1953) and the quarter of

a million tons of coal that the collieries around Cwmmawr produced annually.

After ex-BPGVR 0-6-0T No. 2198 was withdrawn in 1959, the line became one of only two in the country to be exclusively worked by '16XXs' (see right). Sadly, by the time this photograph of No. 1651 passing the remains of Pembrey Halt on August 13 1965 was taken, the writing was on the wall for steam on the BPGVR – the first diesel-hauled train ran on October 4 and steam officially ceased on November 1.



JARGON BUSTER

The shed was given the Welsh spelling – Llanelli – from 1966.

TREVOR OWEN/COLOUR RAIL

TETBURY & CIRENCESTER

Listing lines that played host to '16XXs' results is a veritable 'who's who' of the GWR's most famous branches in Gloucestershire, Wiltshire and the Vale of White Horse. We can even include the old Midland Railway Dursley branch on that list.

There's a joint 'winner' at the top of that list and they are the two branches that radiate out from Kemble: the seven-mile branch to the delightful market town of

Tetbury and the five-mile line to the former Roman seat of Cirencester. Of the two, the Tetbury branch is arguably better known for its single road engine shed clearly inspired Wills' offering, which has starred on GWR branch line layouts for generations.

'16XXs' were necessary for the Tetbury branch, which had weight restrictions. No. 1648 was a Tetbury favourite when allocated to Swindon shed (1951-1954)

while No. 1664 became famous in the branch's latter years. It moved to Swindon from St Blazey in December 1961 and took over all the goods workings.

Here, it shunts Cirencester Town goods yard circa 1962 alongside railbus W79978, which has arrived from Tetbury. No. 1664 worked the last goods trains to Tetbury in 1963 and the last ever Westonbirt school train on April 2 1964.

DAVE COBBE COLLECTION/RAIL PHOTOPRINTS



DID YOU KNOW?
The '16XXs' were so light that they didn't receive a Western Region route availability spot. They were given the power classification 'A'; BR classified them '2F'.

NORTH OF THE BORDER

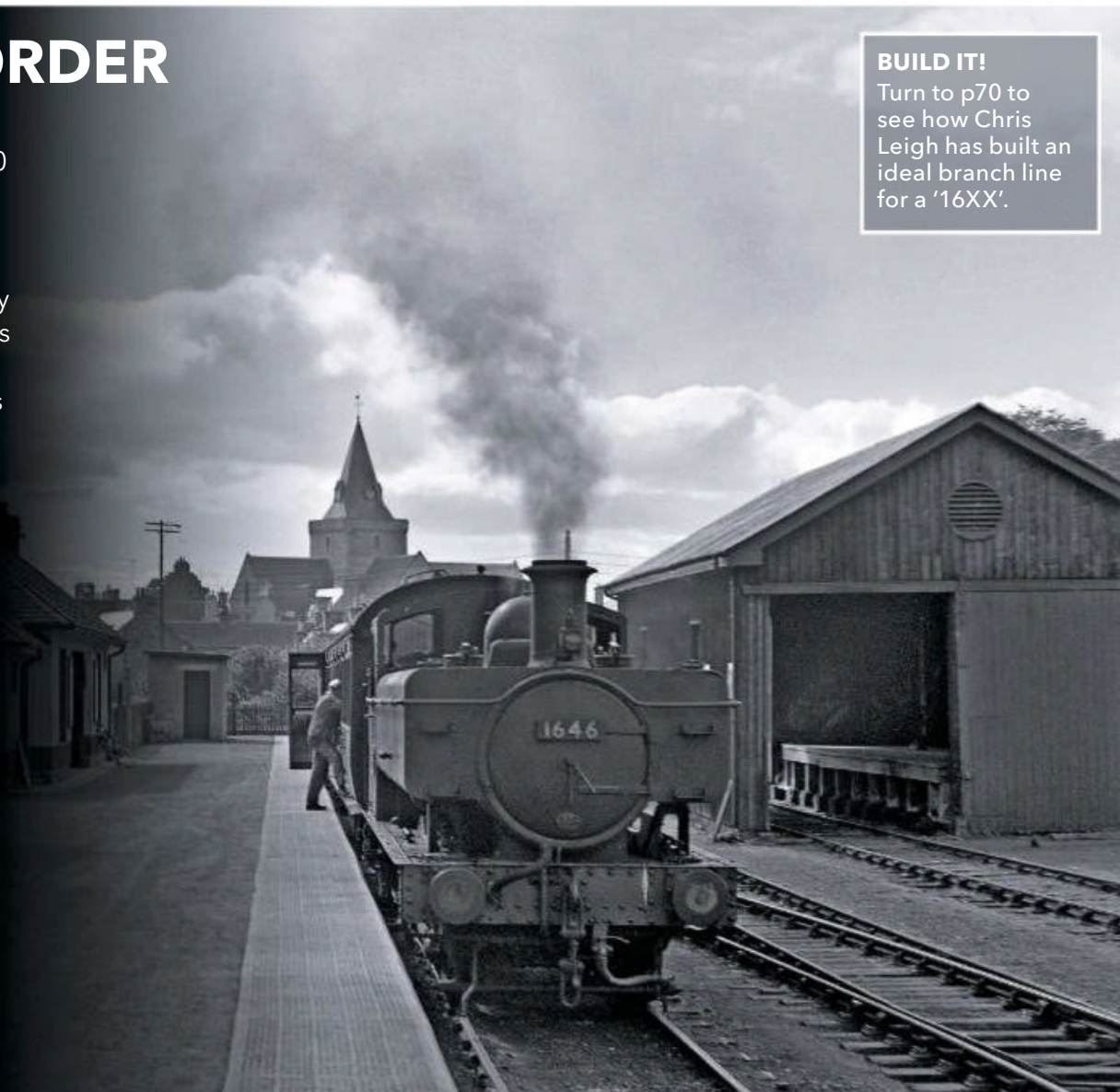
The most unusual and exciting twist in the '16XX' tale took place in 1957. More than 550 miles away from Swindon, in the Scottish county of Sutherland, the 7½-mile branch from The Mound to the coastal town of Dornoch was worked by ex-Highland Railway 0-4-4T, No. 55053. Freshly overhauled, it was expected to soldier on for a good few years to come... until it broke a crank axle and was immediately withdrawn. Where was there a locomotive light enough to work the Dornoch branch?

'16XX' 0-6-0PT, No. 1646, new to Swansea East Dock on May 1 1951, was transferred from South Wales to Helmsdale shed on February 7 1957. It was joined by classmate No. 1649 from Bristol St Philips Marsh on June 27 1958.

The two Western engines worked the Dornoch branch until closure on June 13 1960. Surprisingly, both panniers stayed in Scotland where No. 1649, according to Stephenson Locomotive Society records, made history in November 1962 when, engaged as station pilot at Dingwall, it became BR's most northerly operational steam locomotive. Both panniers were withdrawn that December.

BUILD IT!

Turn to p70 to see how Chris Leigh has built an ideal branch line for a '16XX'.



BRIAN STEPHENSON

AND THE BEST OF THE REST...

There are lots of locomotives and multiple units where buying one model opens up the potential for operating it on lots of different layouts. **Richard Foster** shares ten of the best.



JARGON BUSTER
Railway Operating Division. Responsible for the railways in the theatres of war during the First World War.

1 GCR '8K' (LNER 'O4') 2-8-0

What are they? The Great Central Railway built 126 of locomotive superintendent John G. Robinson's 2-8-0 between 1911 and 1914 for the heavy traffic from its new deep water port at Immingham. The design was chosen as the ROD's standard locomotive and a further 521 were built between 1917 and 1919. After the war, many were sold off cheap to British and overseas operators.

Who operated them? BR (WR, ER), LNER, GWR, LMS, CR, HR, LNWR, GER, LSWR, SECR, NER, GCR

Four classic routes they worked:

1. Birkenhead Docks-Shotton steelworks

2. Oxford-Honeybourne
3. Great Northern-Great Eastern Joint
4. Manchester-Sheffield-Wath 'Woodhead Route' (pictured above).

When were they last used? BR withdrew its last in 1966, whereas the last Australian examples were withdrawn in 1973.

Have any worked overseas? North Africa, France, Low Countries, China, Australia.

Can I see one? GCR '8K' No. 63601 is part of the National Collection and based at the Great Central Railway; three ROD 2-8-0s survive in Australia.

OPERATOR KEY

CR: Caledonian Railway
HR: Highland Railway
SECR: South Eastern & Chatham Railway
LSWR: London & South Western Railway
LMS: London Midland & Scottish Railway

LNER: London & North Eastern Railway
GER: Great Eastern Railway
GWR: Great Western Railway
ER: BR Eastern Region
ScR: BR Scottish Region

SR: BR Southern Region
LMR: BR London Midland Region
WD: War Department, including Longmoor Military Railway
WR: BR Western Region

GW POWELL/COLOUR RAIL



2 GER 'R24'/'S56' (LNER 'J67'/'J69') 0-6-0T

What are they? This family of GER 0-6-0Ts was introduced by James Holden in 1890 for its hugely intensive 'jazz' suburban passenger traffic and cross-London freights, via the East London Line. The design evolved with higher pressure boilers and larger tanks to form, under the LNER, four distinct sub-classes ('J67/1', 'J67/2', 'J69/1' and 'J69/2').

Who operated them? BR (ER, LMR, ScR), LNER, GER, WD, Industry

Four classic routes they worked:

1. Wrexham, Mold & Connah's Quay Railway
2. East & West Yorkshire Union Railway
3. Lauder Light Railway
4. Kelvedon & Tollesbury Light Railway (pictured above).

When were they last used? BR withdrew the final nine from Stratford in September 1962.

Have any worked overseas? No

Can I see one? 'J69/1' No. 68633, restored as GER No. 87, is part of the National Collection and is displayed at Bressingham Steam Museum.



GEOFF PLUMB

3 GWR '57XX' 0-6-0PT

What are they? Having relied on old 0-6-0STs rebuilt with pannier tanks, Charles Collett introduced the GWR's standard shunting locomotive in 1929. It became one of the most numerous British locomotives, with 863 built up to 1949. Aside from ten with condensing gear, the only major difference was a more rounded cab from No. 8750 onwards.

Who operated them? BR (LMR, SR, WR), GWR, LT, NCB

Four classic routes they worked:

1. Folkestone Harbour Branch
2. Watlington Branch
3. Weymouth Tramway
4. Neasden to Croyley Tip (pictured above).

When were they last used? BR withdrew its last in 1966, London Transport in 1971 but the last NCB '57XX' was not retired until 1975.

Have any worked overseas? No

Can I see one? 16 '57XXs' have been saved.

4 LMS 'BLACK FIVE' 4-6-0

What are they? William Stanier's mixed traffic 4-6-0 of 1934 became the ultimate go-anywhere machine and were one of Britain's most successful locomotives. Production continued until 1950 (842 were built) and subsequent engineers made their own modifications but the essence of this LMS design classic remained unchanged.

Who operated them?

BR (LMR, ScR), LMS

Four classic routes they worked:

1. Settle & Carlisle
2. Dingwall-Kyle of Lochalsh
3. Somerset & Dorset
4. Oxenholme-Windermere (pictured right)

When were they last used? Three were used on BR's last standard gauge steam-hauled train on August 11 1968.

Have any worked overseas? No

Can I see one? 18 have been saved.



IAN KRAUSE



5 LONDON UNDERGROUND 1938 STOCK

What are they? This is the London Underground's classic 'Tube Train' EMU, which did away with the motor cars of earlier designs. That classic 'face' would, with some slight modifications such as destination blinds and wraparound windows, grace all subsequent tube train builds up to the 1983 Stock. Despite this, the 1938 Stock retains the pre-war essence that its successors never managed to capture.

Who operated them? LT, BR (SR), LNER

Four classic routes they worked:

1. Epping-Ongar branch
2. LT 'Deep Tube' network
3. Alderney Railway
4. Ryde Pierhead-Shanklin (pictured above)

When were they last used? The last were due to be withdrawn shortly after this issue hit the news stands.

Have any worked overseas? No

Can I see one? Aside from the sets in use on the IoW, there's one at the London Transport Museum's Acton store that is occasionally used on railtour duties.



6 BR CLASS 04 0-6-0DM

What are they? Drewry's 204hp 0-6-0DM became the most successful of the myriad four and six-coupled diesel shunters that BR ordered in the 1950s; 140 were built between 1952 and 1962. Predominantly built for Eastern and North Eastern Region, batches with larger wheels went to the Southern Region where they were a common sight at Dover docks.

Who operated them? BR (ER, LMR, NER, SR), NCB, Industry

Four classic routes they worked:

1. Derwent Valley Light Railway
2. Yarmouth Union Railway
3. Ford Motor Company, Dagenham
4. Wisbech & Upwell Tramway (pictured above).

When were they last used? BR withdrew its last in May 1972 but they survived in private hands until the 1980s.

Have any worked overseas? At least three were exported to Italy.

Can I see one? 19 '04s' survive in the UK.

7 WD 'AUSTERITY' 2-8-0

What are they? It took just five months for Robert Riddles and his team to design a version of Stanier's '8F' suited to wartime production. Fabrication was employed rather than casting, welding replaced riveting, and a parallel boiler with a more straightforward round-top firebox apparently saved some 6,000 man-hours of construction. Incredibly some 933 were built by North British and Vulcan Foundry.

Who operated them? BR (ER, LMR, ScR), WD

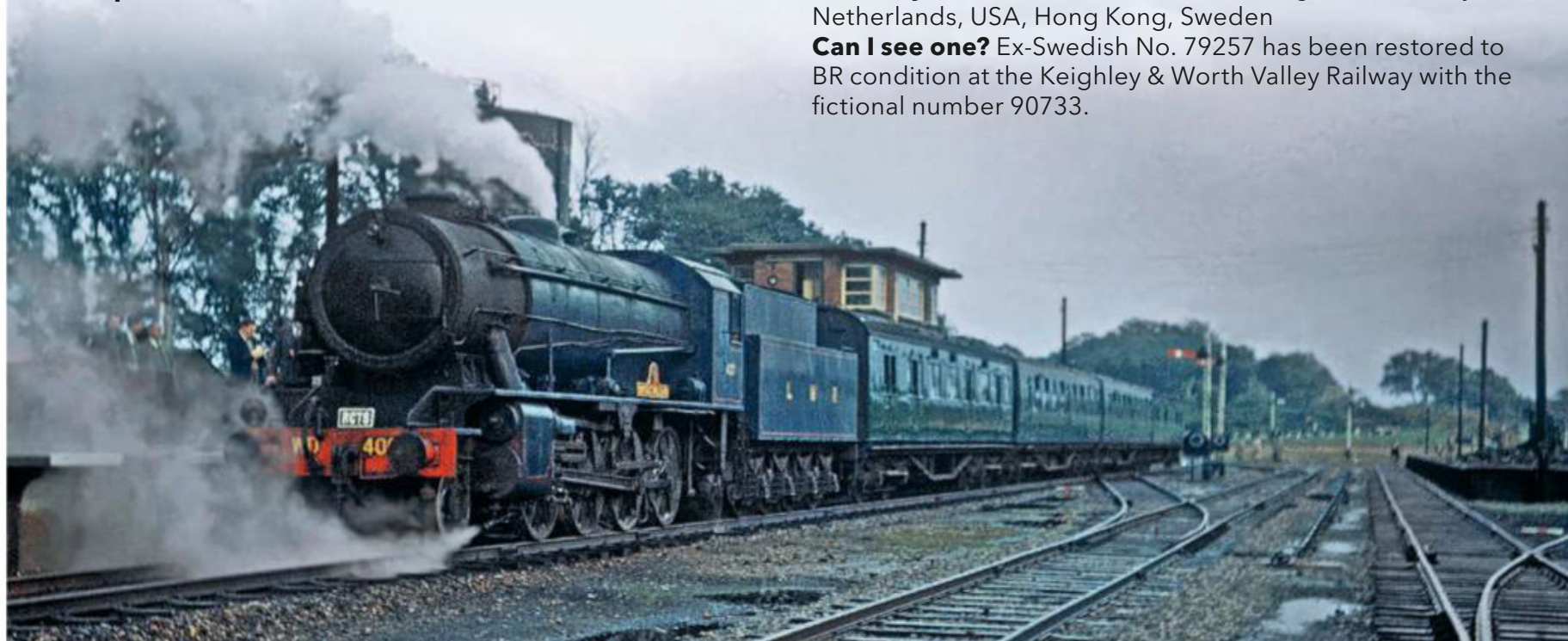
Four classic routes they worked:

- 1 Dundee-Aberdeen
- 2 Buxton-Matlock
- 3 Middlesbrough-Seaham-Sunderland
- 4 Longmoor Military Railway (pictured below)

When were they last used? BR withdrew its last 'WD' 2-8-0 in 1967.

Have any worked overseas? France, Belgium, Germany, Netherlands, USA, Hong Kong, Sweden

Can I see one? Ex-Swedish No. 79257 has been restored to BR condition at the Keighley & Worth Valley Railway with the fictional number 90733.



8 BR CLASS 20 Bo-Bo

What are they? If longevity is a yardstick to judge a class's success, then English Electric's single cab Type 1s are, arguably, Britain's most successful main line diesel locomotive. The oldest are now 63 years old and their wide route availability, simplicity and power still make them ideal for spot hire duties on the 21st-century railway.

Who operated them? BR (ER, LMR, ScR), HNRC, DRS, Hunslet-Barclay, industry

Four classic routes they worked:

1. Fort William-Glasgow
2. Earles Siding-Hope Cement Works

3. Scunthorpe Steelworks

4. Sleaford-Skegness (pictured below)

When were they last used? Still in service.

Have any worked overseas? Four worked in eastern France in the 1990s and three DRS Class 20s hauled the 'Train For Life' to Kosovo in 1999.

Can I see one?

50 Class 20s still survive.



JOHN CHALCRAFT



JOHN A.M. VAUGHN/RAIL PHOTOPRINTS

9 BR CLASS 121/122 RAILCAR

What are they? Pressed Steel built 16 for the Western Region to work alongside 20 similar vehicles built by Gloucester RC&W Co. in 1958. They outlived most branch lines they were built to serve but generations of operators continued to make use of their rugged design and simplicity.

Who operated them? BR (LMR, ScR, WR), Railtrack, Network Rail, Chiltern Railways, EWS

Four classic routes they worked:

1. Aylesbury-Princes Risborough
2. Staines West-West Drayton
3. Dundee-Carnoustie
4. Bridport branch (pictured above)

When were they last used? Chiltern Trains withdrew its last Class 121s on May 19 2018.

Have any worked overseas? No

Can I see one? Eight Class 122s and 15 Class 121s survive.

BUILD IT!
Turn to p76
for a Class
121-inspired
modelling
project.



MIKE GRUNDY/ALAMY

10 BR CLASS 158/159 DMU

What are they? BR's final design of 'Sprinter' brought the economies of diesel multiple unit operation to long-distance services. Capable of 90mph, you can see the 161 '158s' from Cornwall to the Highlands while 30 Class 159s still regularly ply the West of England main line to Exeter.

Who operated them? BR ScotRail, Regional Railways, InterCity, West Yorkshire PTE, Network SouthEast

Four classic routes they worked:

1. Far North Line
2. Leeds-Settle-Carlisle
3. South Devon Main Line
4. Cambrian Coast (pictured above)

When were they last used? Still in service

Have any worked overseas? No, but BREL built six virtually identical units for export to Thailand in 1990/91.

Can I see one? In service with ScotRail, Transport for Wales, East Midlands Railway, GWR, Northern, South Western Railway.



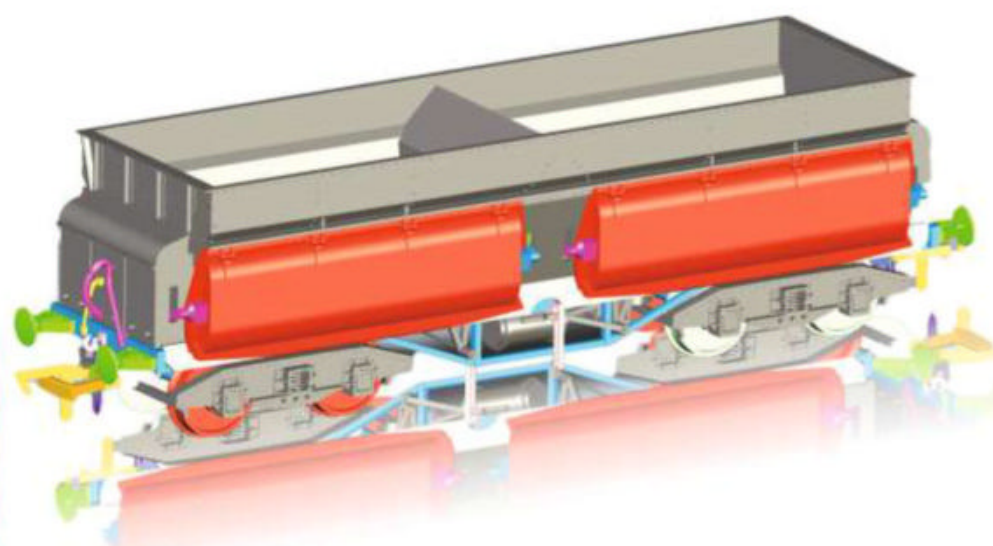
Consett Ore Wagon

Today we launch our latest wagon. Having had this suggested to us and following a poll on our Facebook page, we are going to produce the 56t Iron Ore Wagon, used in Consett.

Available in OO
and N. Delivery is
expected 3rd Qtr 2021.
Prices are 3 pack £67.00
and 9 pack £199.00

A brief look at the Tyne Dock -
Consett iron ore workings Class
9F's 92060 - 92066 & 92097 - 92099
Class 24's 24102 – 24111

[https://www.krmodels.co.uk/products/
consett-iron-ore-wagon](https://www.krmodels.co.uk/products/consett-iron-ore-wagon)



 www.krmodels.co.uk

MODEL RAIL

Skills Station

Welcome to the second part of George Dent's baseboards Skills Station module. Whether you're a beginner or an experienced modeller looking to hone your

skills, our team of experts will split a modelling task or skill into easy to follow, bite-sized chunks, busting myths along the way. Join our Facebook group

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



Richard Foster Editor



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



THE ESSENTIAL GUIDE TO BASEBOARDS

Pt 2: Baseboard kits

If saws, planes and drills give you the heebie-jeebies, there's a growing range of baseboard kits available that require few tools or woodworking experience.

George Dent and **Peter Marriott** explain how they work and how they go together.

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

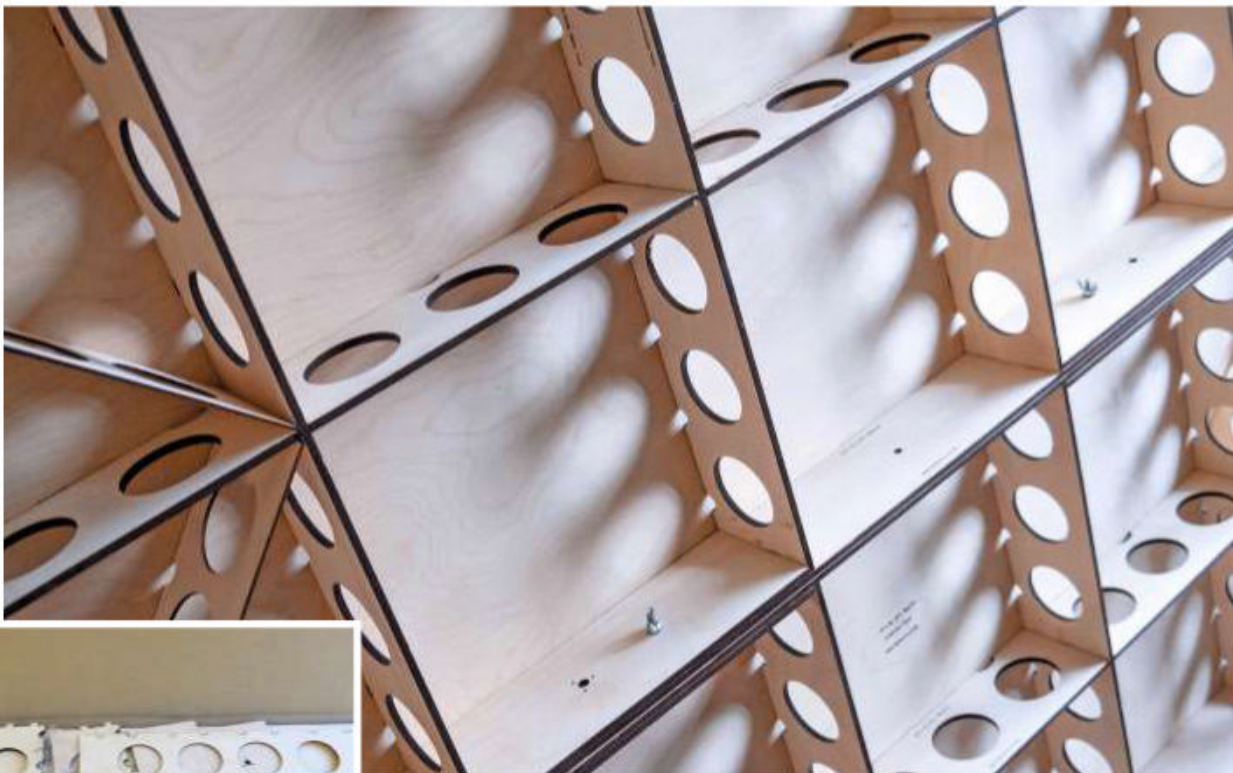
CONVENIENCE IS KEY

After discussing the basics of building your own baseboards in last month's Skills Station, we can now shed light on one of the most welcome innovations of recent years: the laser-cut baseboard kit. These are becoming more widespread, with a number of manufacturers offering a range of off-the-shelf or bespoke products to suit a vast array of layout needs.

Most often supplied in flat-pack form and rendered in Medium Density Fibreboard (MDF) or plywood, they're designed like any other decent kit, with the parts slotting together and being secured with regular wood glue, plus a few nails and/or screws.

The various boards featured here, from the Tim Horn range (www.tim-horn.co.uk), are perfect examples of the genre. Cut from high-quality materials, the framework uses a tab and slot arrangement to provide strong joints, while large diameter holes in the internal cross-members reduce weight and allow cables to pass freely along the underside of the baseboard top. Many different sizes are available, with or without backscenes, while there's also the choice of curved sections and fiddleyard boards. As they're all precision-cut, multiple boards can be connected with ease, especially as pre-formed recesses are provided for alignment dowels and bolts.

Kits definitely take the fear out of building baseboards. There's no need for any fancy tools, nor is there any stress regarding



Above: All-plywood or MDF baseboards can be extremely robust if designed correctly. Large holes in the internal cross-members greatly reduce the overall weight. CHRIS NEVARD



Inset: A typical laser-cut plywood baseboard kit consists of individual frame members, plus a top and all necessary fixings. This is a Tim Horn 3ft by 1ft board kit in birch plywood. PETER MARRIOTT

accurate saw cuts and perfectly-aligned corner joints. A typical 4ft by 3ft board can be assembled in an evening, with little dust or mess to clear up afterwards. The cost is surprisingly low too, especially when compared to the cost of good quality raw materials from your average DIY store.

What you will need



TOOLS

- ◆ Screwdrivers
- ◆ Hammer
- ◆ Spirit level
- ◆ Clamps
- ◆ Paintbrushes
- ◆ PVA glue

MDF VS PLYWOOD

MDF offers a cheaper, slightly lighter option but it doesn't always cope well with damp conditions.

However, special waterproof grades are available and some baseboard kit makers use this material (it has a greenish colour), so check before ordering.

Good quality plywood is a strong,

stable material which can withstand a greater degree of fluctuation in temperature and humidity, especially once painted or varnished. It's a little more expensive and denser, but is recommended for layouts in sheds, garages, attics and those likely to be transported regularly. It's also an easier material to work with than MDF and is, therefore, the recommended option.

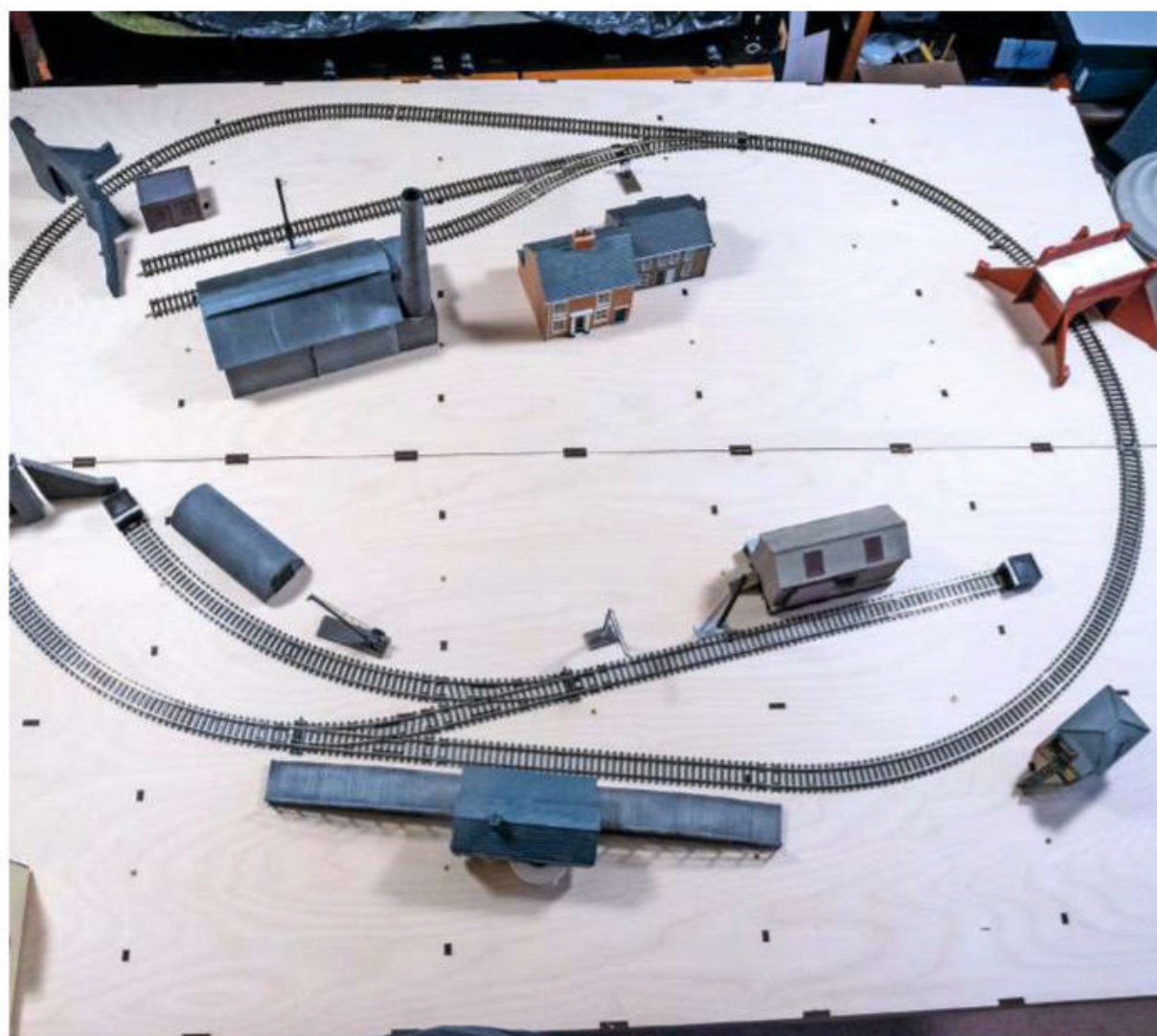
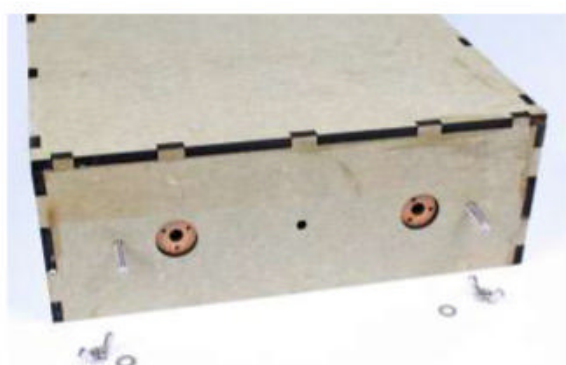
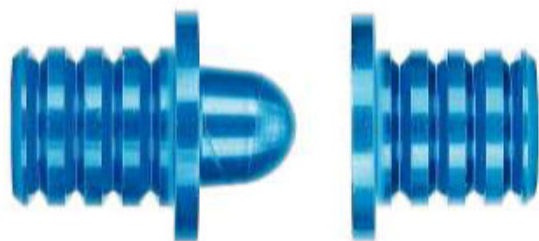


Baseboard kits are also available in MDF, which is a little cheaper and lighter than ply. Waterproof MDF is recommended, which can be identified by its greenish hue. GEORGE DENT

JOINING BOARDS

Multiple boards can be accurately joined together with the use of metal alignment dowels such as these, available from

DCCconcepts. Apertures for alignment dowels are pre-drilled into the ends of Tim Horn baseboards, along with holes for securing bolts.

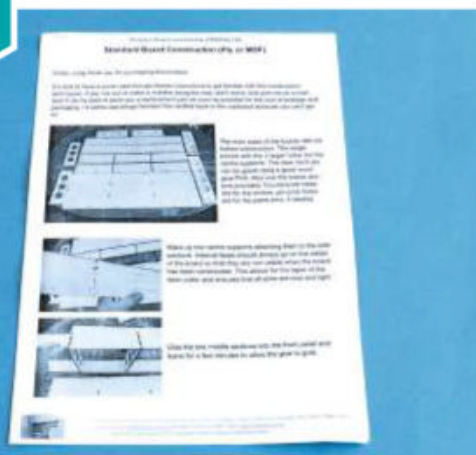


STEP BY STEP

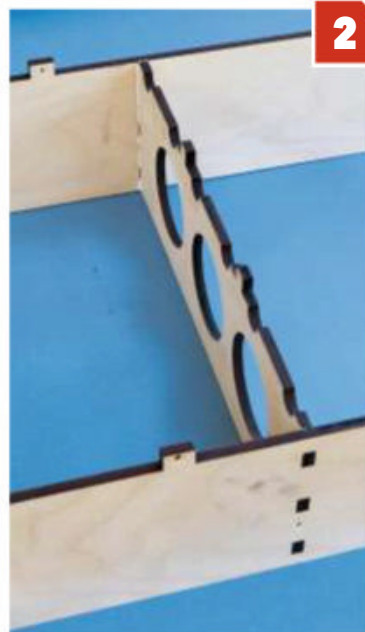
ASSEMBLING BASEBOARD KITS

1

As with any kit, studying the instructions before assembly begins is recommended, taking note of the construction sequence. Also, take the time to familiarise yourself with the various components and how they fit together.


2

Trial-fit the parts together to check they slot together cleanly. The MR team have built many such kits in recent years and have yet to encounter any issues with poor fit, but it's always worth checking before applying glue.


3

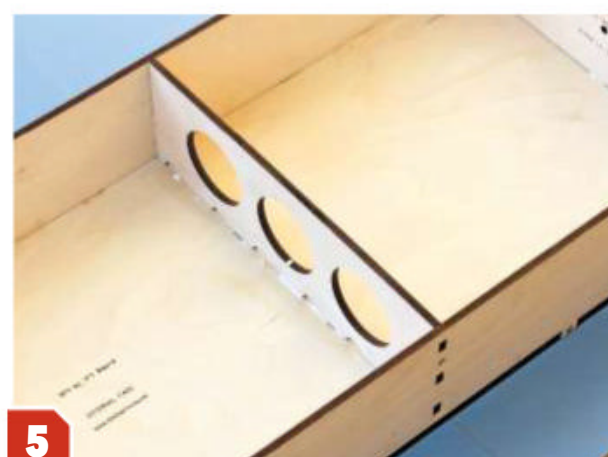
Apply a decent amount of glue to the mating faces of one part, making sure that it covers all of the edges of the tabs and slots of the joint. Don't worry about excess glue oozing from the joints as this can be cleaned up easily.


4

The instructions will explain the recommended build sequence, but it often entails the fitting of the cross-members to one side. It's important to assemble the board on as flat a surface as possible.

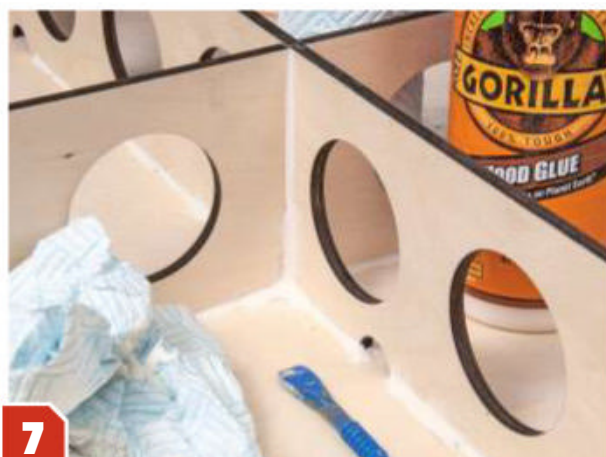

5

After adding the other side, double-check that the frames are square before adding the ends before slotting the top into place. Ensure that the tabs are pushed fully into the slots.


6

Drive the supplied screws into the pre-drilled and countersunk holes. This serves to close up the joints, eliminate any gaps and clamp everything into place.





7

More glue will be forced out of the joints as the screws are tightened, so wipe away the excess with a damp cloth. A spatula or spreader tool will help to drag errant glue out of any awkward corners.



8

Carefully flip the baseboard over and add the screws into the holes pre-formed into the top. Self-drilling screws are supplied with Tim Horn's kits, so there's no need to drill any pilot holes into the cross-members.



9

Check for any twisting of the frame by placing two straight lengths of wood or a pair of spirit levels at each end. Place your eyes level with the surface and check that the two objects are precisely level with each other.



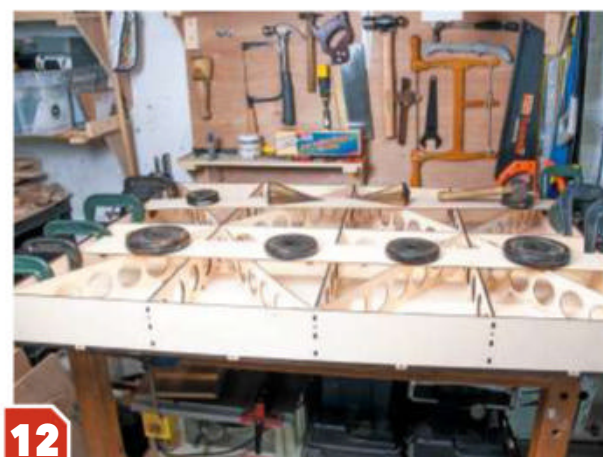
10

The corner joints can be reinforced by driving the supplied pins home with a hammer. Keep the nails straight so that they don't emerge from the sides and cause a hazard to your fingers.



11

After allowing the initial assembly to dry, the board can be inverted again and any diagonal braces that may be supplied can be glued into position. Alternate the orientation of adjacent diagonal braces to create a strong board.



12

Placing weights over the upturned framework helps to hold the diagonal members in position while the glue cures overnight. Dumbbell weights and tools have been used here, but piles of books will work equally well.



13

Whether your kit is MDF or plywood, it's best to seal it with paint, varnish or oil. A few coats of Danish Oil is a convenient option for plywood boards. Allow the liquid to penetrate into the wood, then wipe away the excess with a cloth.



14

With the baseboard complete, we're now ready to lay the track and make a start on the scenery. Opting for a baseboard kit allows modellers to fast-track to the more exciting tasks and get the trains running much sooner!

CUSTOM FEATURES

Baseboard kits can offer more than just a flat baseboard, with backscene modules and lighting pelmets also available, all of which involve similar assembly techniques. This custom-order board from Tim Horn features the backscene and pelmet options, as well as a dropped section to allow for the creation of a river beneath the trackbed.



WHAT NEXT?

Backscenes, pelmets, sector plates and traversers are the subject of next month's Skills Station.

Show us what you've learnt on our Facebook group - <https://bit.ly/2TEmHKA>

hobby TRAX

A selection of our Hornby stock:

Locomotives:

R3631 BR H Class	£130.00
R3635 Early BR "Lord Rodney"	£153.00
R3656 Virgin Trains Class 87 "Sir Winston Churchill"	£149.99
R3661 D5509 BR Class 31	£155.00
R3677 LMS Coronation "Duchess of Hamilton"	£139.99
NEW R3679 Class W4 Pecket 0-4-0ST	£90.00
NEW R3757 Class 47/7 "Prince William"	£72.00
NEW R3759 Class 3031 "Achilles"	£81.00
R3772 Northern Rail Class 156	£114.99
R3802 LNER Class 43	£260.00
NEW R3811 Terrier 0-6-0T "Leadenhall"	£81.00

Gaugemaster

SPECIAL PRICE DCC01 Prodigy Express controller	£159.95
SPECIAL PRICE DCC02 Prodigy Advance2 controller	£275.00
DCC90 Ruby DCC 8 pin decoder	£16.49
DCC91 Ruby DCC 21 pin decoder	£16.95
DCC99 PowerPal capacitor for Ruby series	£16.95
DCC27 8 and 21 pin 4 function DCC decoders (each)	£18.00
DCC29 Omni direct 8 pin DCC decoder (each)	£20.00
Seep PM1 point motor with built in switch	£4.95
Seep PM2 point motor	£3.45

NEW RANGE Seuthe smoke generators

We can also fit these at the same time as our DCC fitting service (dependant on type of loco) Please call for advice and fitting prices.
No. 22E or 27E £23.50
50ml smoke oil and dispenser £8.50

NEW PRODUCT

Meet the Cobra Cable!

Building an exhibition layout? Then you need our Cobra Cable! Two terminal boards fit either side of a baseboard joint and our ingenious cable connects the two. Unlike off-the-shelf cables we make ours from 16/02 cable capable of carrying 3A per terminal meaning it can carry all your electrical signals across a baseboard joint including point motor wiring and DCC bus connections. When it's time to dismantle, simply unplug the cable at either end. Comes as a complete kit with two easy wire terminal boards, 1m Cobra Cable and full instructions.

9 way £22.95 15 way £26.95 25 way £36.95

20% discount when you buy 3 or more together!

NEW PRODUCT

9 channel 12VDC switchable power distribution board

Our 12VDC power board allows you to connect many individual 12VDC items such as our LED modules, motors etc and group them so each group can be individually switched. **£16.95**
12V 2A power supply **£9.95** Switches from **£1.60** each

NEW PRODUCT

Warm white 12VDC LED modules

Our own design! These tiny 12V LED modules easily fit inside a building and create a warm white glow to simulate incandescent bulbs. Simply connect to any 12VDC supply. Just **£2.99 each** or **£9.99 for a pack of 10**. Also available in cool white.

NEW PRODUCT

Introducing The Tyson Capacitor Discharge Unit

Give your points some extra punch! Designed and made by Hobby Trax.
Standard version (2 capacitors) **£10.95**
Xtra version (4 capacitors) for larger layouts with multiple points switching simultaneously **£14.95**

Faller

Automated motorised vehicle system. Get the basic set and have a single vehicle running around a roadway on your layout. Expand the system to allow stop-start positions, parking, junctions and more!

Laser cut street starter set	£62.00
UK spec white van starter set	£99.95
Mercedes Benz white van starter set	£110.00
Expansion set for stop-start automation	£140.00
NEW Ford Transit Mk IV motorised vehicle	£109.95
NEW Tractor with trailer motorised vehicle	£149.95
NEW Battery charger for vehicles	£24.95

More roadway parts on our website! Other vehicles to order.

Linka - Full range of moulds on our website! £12.00ea
Moulds for brick, stone, timber or roof



Artprinters premium photo-realistic backgrounds £14.99

Massive range on our website

Cables - Massive stocks on our website!

Bk Bn Rd Or Yw Gn Bl Vi Gy Wt Pk	
Bi-colours available (7/02 only)	
Rd-Bl Rd-Bn Gy-Bl Wt-Rd Rd-Bk Yw-Bk	
Or-Bk Wt-Bk Gy-Bk Or-Rd Pk-Bk Yw-Gn	
Rd-Gn Vi-Rd Gn-Rd Yw-Rd Gn-Yw	
10m / 100m	
5/01 ultra-fine cable for wiring models etc	£3.95 / N/A
7/02 cable 1.4A for lighting	£1.40 / £7.99
7/02 bi-colour cable 1.4A	£1.40 / N/A
16/02 cable 3A for points & DCC	£2.10 / £14.99
24/02 cable 5A for longer runs	£2.70 / £19.99
32/02 cable 6A for even larger layouts!	£3.45 / N/A
6 core 7/02 cable	£3.75 / £24.99
12 core 7/02 cable	£6.45 / £42.99

NEW Roll end remnants! Due to the volume of cable we sell we have a lot of roll ends, so we are offering them to you in a bulk pack. Each pack will contain at least 10 lengths of different cable each between 5m and 9m. Colours and sizes will vary by pack but will usually include 7/02 and 16/02. You will be getting at least 50m of cable for a fantastic price! £4.99

Electronic components

9 pin D plug, socket or cover (each)	£0.60
15 pin D plug, socket or cover (each)	£0.70
25 pin D plug socket or cover (each)	£0.80
12 way screw terminal block (3A or 5A)	£0.85 / £0.95
12 way 6A screw terminal plug and socket	£6.95
Toggle switch ON-ON (SPDT / DPDT)	£1.60 / £1.99
Toggle switch (ON)-OFF-(ON) (SPDT / DPDT)	£1.99 / £2.10
Toggle switch ON-OFF-ON (SPDT / DPDT)	£1.99 / £2.10
Coloured caps for toggle switches (5 pack)	£0.75
Push to make button (various colours)	£0.49

Hobby Trax own brand products

Peco point motor extension pins (10pk)	£9.99
12V 5mm LED kits (10 pack) RD, GN or YW	£4.99
12V 3mm LED kits (10 pack) cool white	£5.99
500g plaster of paris	£2.49

General tools

Wire glue (it's conductive glue for wires!)	£6.49
Stanley FatMax wire strippers	£19.95
Flux pen	£4.99
Solid flux pot	£2.99
Xuron track cutter normal/in-situ	£15.95 / £17.95
Cutters and pliers	£6.95 ea
High quality box joint construction and PVC handles	
Tweezers - always handy!	From £3.00 ea

Many more tools on our website!

Shop opening soon near Oban, Scotland!

Join our mailing list for fantastic opening offers!

"Want to know the Seuthe? Our prices are smokin' hot!"

REPAIR SERVICE

We now offer a repair service for any railway related electronic item. Search for "Repair Service" on our website. If we can't fix it, there's no extra charge!

DECODER FITTING

We can now fit DCC decoders to your own 00 gauge locomotives! Book your fitting service online for a fixed price of just £32.99 including a top quality Gaugemaster decoder and return postage! Add a PowerPal stay-alive capacitor for just £16.95.

We can now fit Seuthe smoke generators too! (Dependant on loco type)

LOWER POSTAGE

Up to £25 - £2.50
£25.01-£50 - £5.00
Over £50 post free

hobby TRAX
Electronics

FALLER

SUPERQUICK
MODEL KITS

dapol

Train-Tech
Model Technology Made Easy

And many more!!

Secure online ordering

Technical advice

Free postage over £50

No Highlands and Islands surcharge!



www.hobbytrax.co.uk 0345 065 4472

HARDER & STEENBECK



PAINT EASY THE HARDER WAY

www.harder-airbrush.eu



70 Build an industrial branch line

Workbench

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



76 Create a Sandite railcar

Meet the *Model Rail* Expert Modellers



Chris Leigh

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



George Dent

Learn from one of the country's best modellers.



Chris Gadsby

The smaller the detail, the more interested he is.



Peter Marriott

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

HOW TO

BUILD AN INDUSTRIAL BRANCH LINE

Prompted by the imminent arrival of *Model Rail*'s '16XX', **Chris Leigh** shows you how he went about researching and building an industrial branch line layout.



PHOTOGRAPHY: CHRIS NEVARD/CHRIS LEIGH

Cod and chips twice, please.”
“Salt ‘n’ vinegar, Duck?”
This is the extent of the conversation that goes on in my local chippy.

Fish and chips, that British staple, is probably one of the few meals which still involves vinegar in any quantity. But that wasn't always so. In the days before refrigerators, many foods were preserved by pickling them in vinegar.

Hill Evans & Company, based at Lowesmoor in Worcester, became the world's largest vinegar brewer, with an output that



3 weeks



reached over two million gallons annually, a record it held for a century. Its closure in 1967 was, no doubt, largely a result of the change to preserving foodstuffs by refrigeration, particularly the post-war expansion in domestic fridge ownership.

I never knew the Vinegar Works branch at Worcester and, to my eternal regret, I rejected an opportunity to do so. During a railtour to Worcester Shrub Hill in 1965

behind No. 4079 *Pendennis Castle*, my colleagues took a brief look at Worcester shed and the works before setting off to walk the branch. I had never heard of it and it did not sound very interesting, so I stayed behind to take a good look at Nos. 1420, 6435 and 4555 that were being overhauled for the embryonic Dart Valley Railway.

Looking back now, I made the wrong choice.

The impending arrival of our '16XX' No. 1660, complete with 'Vinegar Castle' graffiti, offered the opportunity to model a favourite railway scene, that being the



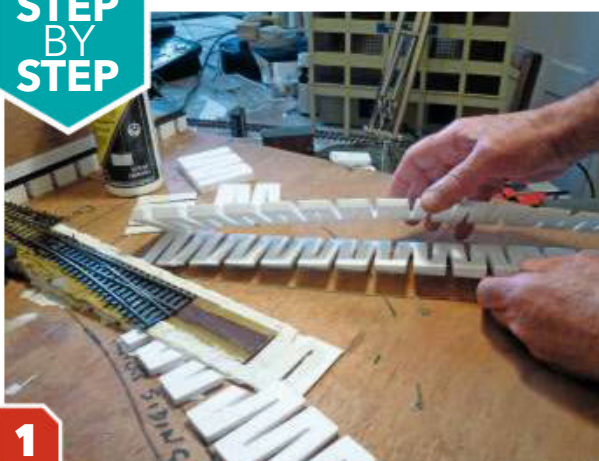
RIAL



view along the street in Worcester to the Vinegar Works branch level crossing protected by semaphore signals. However, lack of research material meant that it would need to be a model inspired by the Vinegar branch road crossing rather than a slavish re-creation.

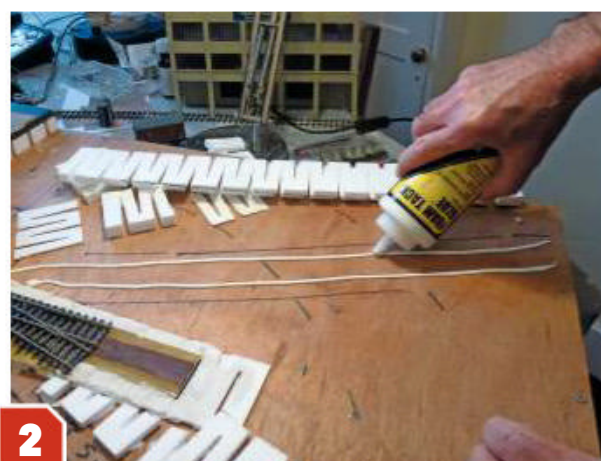
With winter fast approaching, I decided to install Dapol's working lower quadrant signals and to light the pub with a nice warm glow on the ground floor to provide a nice wintry look for photographs. Just the right kind of atmosphere when hot fish and chips would be most welcome.

STEP
BY
STEP



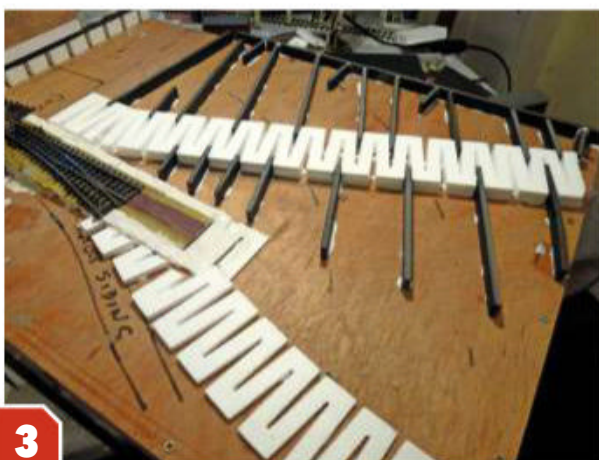
1

I used a 3ft 6in by 1ft 6in baseboard. The main flat ground areas are raised 25mm off the top, using 15mm thick Woodland Scenics risers with two layers of 5mm foamboard on top. Black marker was used to rough out the plan.



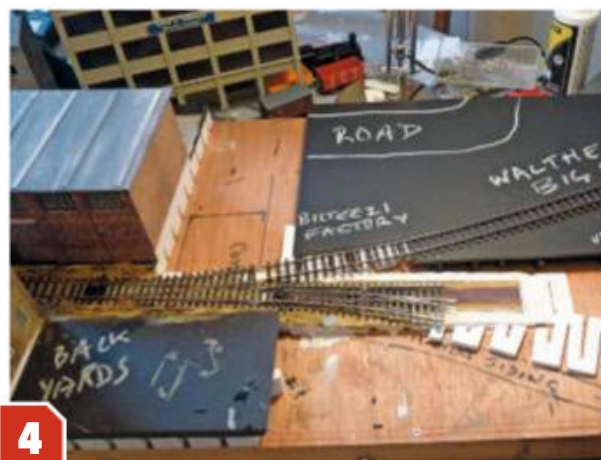
2

In the foreground the risers/declines drop the track level down to the baseboard top on the main track and the stub siding. A couple of continuous 'beads' of Foam Tack Glue are sufficient to hold the risers in place.



3

Ground level was varied by reducing the layers of foamboard or by using two of the incline pieces, one reversed, as at the top of this view. For economy, much of the rest is supported on strips of foamboard.



4

Once the top surface of 5mm foamboard was in place, it was secured with Foam Tack Glue and held with Foam Nails until the glue set. I marked the positions of the main buildings with chalk.



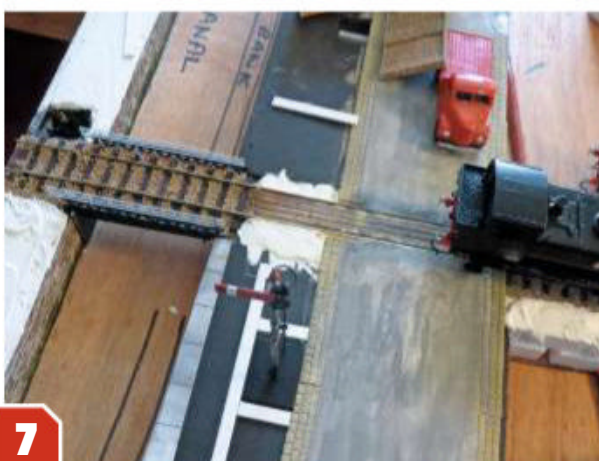
5

With the track laid - Peco 'OO' bullhead with Code 75 flat-bottom medium radius points - I built the loading dock from strips of 2mm mount card and Velo-Set quick-setting PVA.



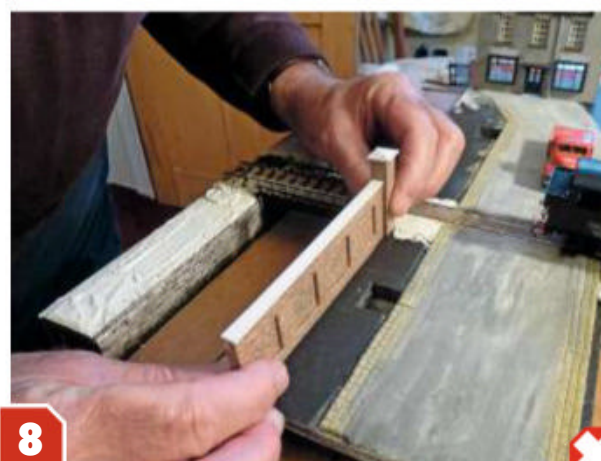
6

I made this wall from Metcalfe Models stone paper glued to a double layer of mount card. The building is a Walther's plastic kit modified to fit. Crates and barrels are from Harburn Hamlet and Merit (Peco).



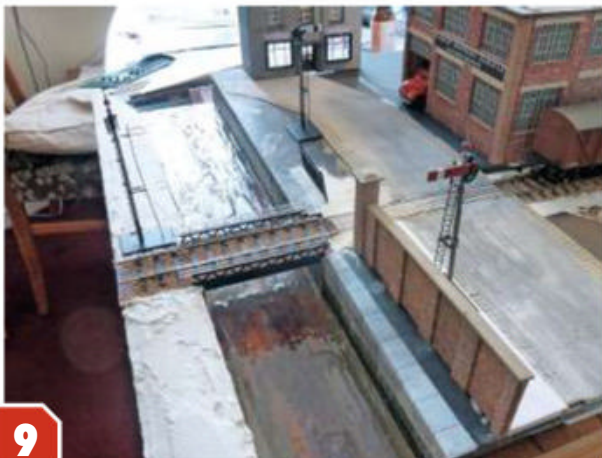
7

At the other end of the board, the road is 2mm mount board edged with Wills cobbles. The area between the cobble strips was surfaced with Woodland Scenics Smooth-It, sanded then painted with Omen Miniatures acrylics (MR279).



8

The wall alongside Shrub Hill Road was made from mount card and covered with Scalescenes download-and-print brick paper. The 'border' piece was laminated onto a plain piece. The ornate gatepost tops are made from card.



9

The waterway is varnish over plaster, painted with Omen acrylic greens and browns. The bridge is made from Plastruct girders and strip. I wanted it to be obvious that the bridge was the reason that the branch was weight-restricted.



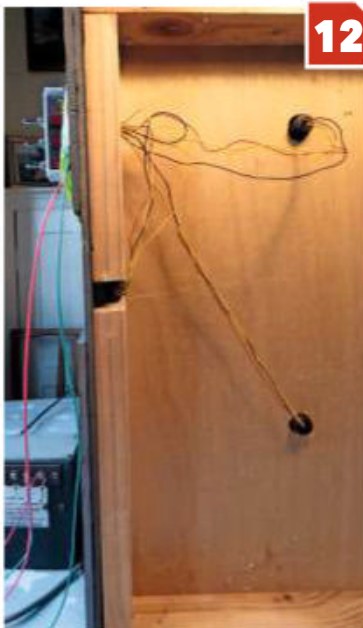
10

I lined the canal with Scalescenes dock and harbour sheet. Buildings were constructed separately and tested in place at intervals in the search for other possible photographic angles - see p75 to find out how I built the warehouse.



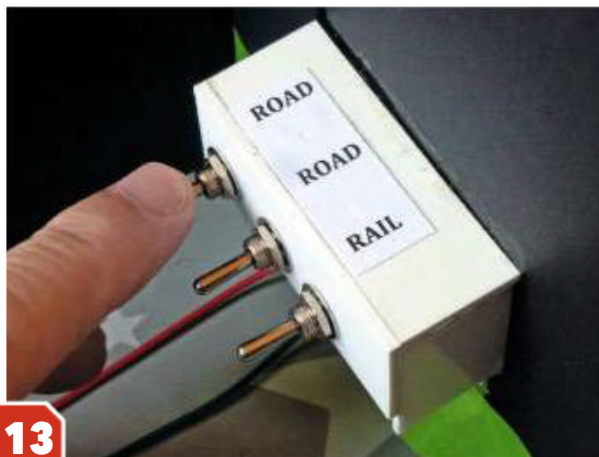
11

I used three of the Dapol Easi-Fix GWR round post home signals. These were the most expensive parts (RRP £33.50) but I really like them. The baseboard had to be drilled for the bases - a drill around 14mm diameter is needed.



12

Dapol's signals are easy to install. You need a 12V DC power supply (you can buy them from Gaugemaster). The red and black wires are the positive and negative wires, respectively, and the yellow wires go to the switch.



13

To control the signals, all you need are the sprung centre, momentary contact types. You can buy packs of five from Hobbies (RRP £7.95, www.hobbies.co.uk). I mounted them in a small panel which I made from styrene sheet.



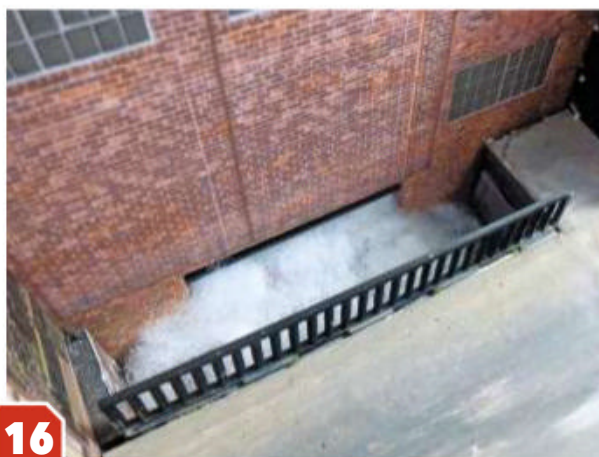
14

The pub lighting was just two grain-of-wheat bulbs, which I wired to a controllable 12V transformer. Running at 12V blew two bulbs so I turned the power down to 8V, which also made the night scene much more subtle.



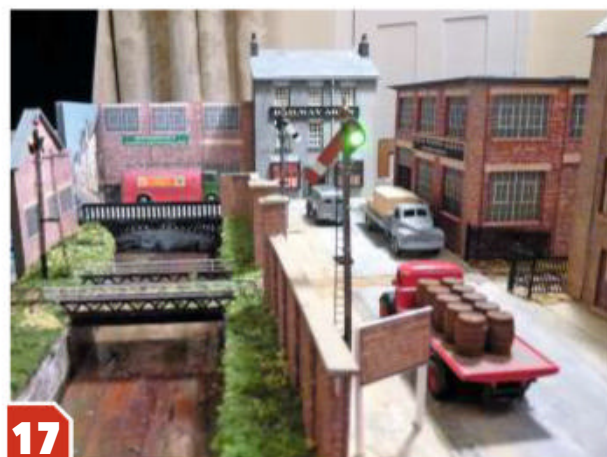
15

The electrical test was successful. Though they all look the same in the photograph, the green and red indications work well to the human eye. In order to get a hemmed-in look, I started to add low-relief and flat structures round the edge.



16

I decided to add a mill as one of the buildings round the edge and I modelled it on memory of the sluice under the Lino Works at Staines which I remember from childhood. The rushing water is a piece of aquarium filter wool.



17

I coloured the canal bank with Woodland Scenics Turf. I painted the landscape with PVA and sprinkled it in place, trying to vary the shades. I applied scatter along the sidings in the yard too, to look a little unkempt.





Build it! Worcester's Vinegar branch

Hill Evans & Company was founded in 1830 by two Methodists, William Hill and Edward Evans, who used the waste material from local winemakers to brew vinegar. So successful was their enterprise that by the mid-19th Century distribution was proving to be more of an issue than production. The distinctive Filling Hall, built in 1850 contained the world's largest vat. It was 39ft high and capable of holding nearly 115,000 gallons. Like most brewed products, vinegar was despatched in barrels and distribution by horse and cart was soon overwhelmed.

The company needed to make use of rail transport and in 1870 the Worcester Railway Act allowed the extension of the line which served the Worcester Engine Works, for 672yd into Hill Evans' six-acre factory site. The new railway started at the point where that siding crossed the Virgin's Tavern Road and required a level crossing at Shrub Hill Road, a bridge over the Worcester & Birmingham Canal and a second level crossing at Pheasant Street. Completed in 1872, it was known as the Lowesmoor Tramway or the Vinegar Works branch, though the Act allowed construction of a siding to serve a mill as well.

Today, Hill Evans' site is occupied by modern industrial units and an Asda supermarket. The branch's course can be followed on Google Earth, and the canal bridge is still present, though now apparently carrying a road within a private factory area. Virtually all the buildings have gone, too, including the distinctive Railway Arms public house, which appears in the background of some pictures of trains on the crossing. The Filling Hall is now a listed building but the giant vat is no more, and the building is used by the Territorial Army.

The branch seems to have had signals for



each direction on the railway, a Home and Distant, plus at least one shunt arm. Road traffic was famously controlled also by a pair of semaphore signals. Originally the road signals were slotted-post wooden affairs with the arms to the right of the posts. These were illustrated on roadside notices which explained them to road users, there being no *Highway Code* at the time.

The end of the branch had no run-round loop and written accounts suggest that the locomotive was uncoupled once the train had cleared the road crossing, and run into a stub siding. The wagons were then allowed to roll forward past the locomotive and the locomotive was released behind them to shunt them into the various sidings within the works.

Apart from the semaphore-signalled road crossing, the other feature which will always be associated with the Vinegar branch is the Great Western's American-style spark

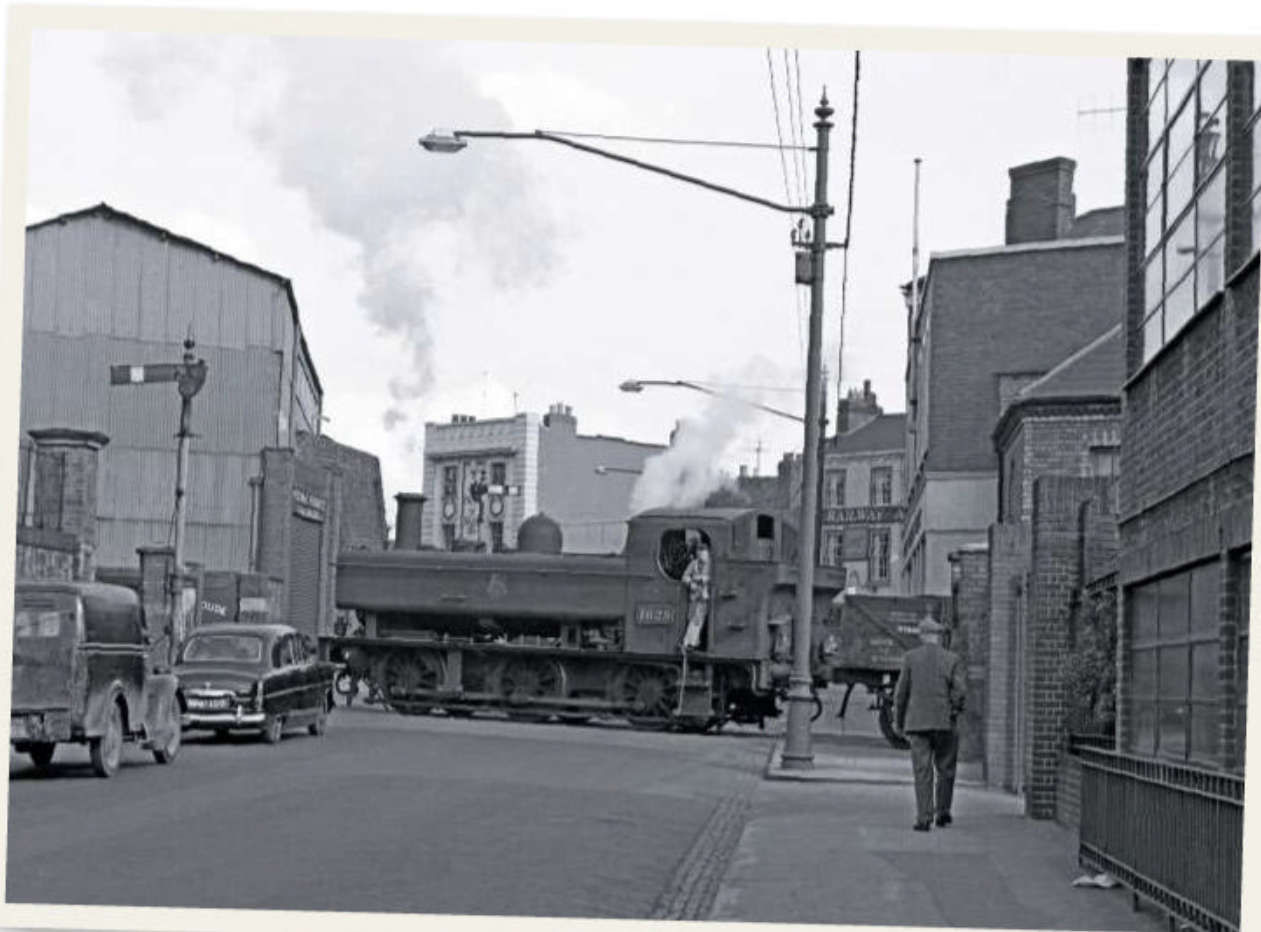
Left: The only colour picture I could find of the GWR signals and the full frontage of the Railway Arms. At some point, the original signals were replaced with standard GWR lower quadrants on tubular metal posts. Photographs show that they had spectacle plates and glasses but no ladders, so they must have been electrically lit. Ladders would be an unnecessary temptation and hazard. I used Dapol's GWR signals and retained the ladders. CHRIS LEIGH COLLECTION



Above: RNAD Ditton Priors would certainly have warranted a spark-arrester-fitted locomotive so it was more likely that a Busby pannier simply worked the vinegar branch on days when it wasn't required to go to Ditton Priors. No. 1629, seen on shed at Worcester, sports the Busby chimney. R.C. RILEY/TRANSPORT LIBRARY

arrester chimney, nicknamed 'the Busby'. My studies of the branch in recent weeks have convinced me that the association between the branch and the chimney is a fallacy. There are as many photographs of locomotives with regular chimneys working the branch as there are with the Busby.

Why would the branch locomotive have needed a spark arrester? Vinegar is not flammable and nor were the other products that came in and out of the area. On the other hand, Worcester shed did also supply locomotives for the Cleobury Mortimer & Ditton Priors Light Railway, which served a Royal Naval Armaments Depot.



Above: Can you imagine 21st-century road users following these instructions when some won't even stop at a barrier level crossing? SCIENCE & SOCIETY PICTURE LIBRARY

The Busby was easily switched between locomotives. No. 1629 is without it as it crosses Shrub Hill Road, returning from Hill, Evans. The first wagon is a shock open branded 'Empty to Worcester WR'. Maybe for glass bottles? NEVILLE STEAD/TRANSPORT LIBRARY

Going retro

I spent several days scratchbuilding the Railway Arms pub and realized that I could not hope to make all the large buildings that the layout needed. I needed a shortcut.

In my stash, I found several Biltzee sheets. These are 4mm:1ft scale building kits printed on thin card. Intended for mounting on a card base, they were unique to Hambling's model shop in London and they are probably at least 60 years old. I love the artwork on these, by Vacy-Ash Ltd but they are very 'flat' by modern standards.

An internet search showed that Antics Online (www.anticsonline.co.uk) offers a limited supply so, as I could not be certain of a source of supply and wanted to preserve the integrity of my original sheets, I scanned them and used copies printed on A4 paper for the models illustrated.

Biltzee sheets would give the layout a 1960s look and so I decided to 'go retro'. I dug out some 1:76 scale Dublo Dinky vehicles that had survived from my childhood train set and added one of Hornby's current centenary versions. I even found a couple of Matchbox cars to enhance the retro look.

The Dublo Dinky vehicles are either play-worn or, in one case, have been restored but using matt paint rather than gloss. If you don't have any of your old toys lying around there are plenty on eBay and can be found for only a few pounds.

With the rolling stock, I found two open wagons, which I felt would add a little colour to the project. The yellow United Glass wagon is Hornby-Dublo but I replaced the old cast metal chassis with a more modern Dapol one (Dapol chassis 'WChass10'). I reasoned that the vinegar company would need glass bottles and the United Glass livery appealed because that company had its head office in Staines when I lived there.

The red ICI salt wagon also appealed because of its colour - and salt is another good condiment connection to the layout! I suspect, however, the real thing carried road salt. The model was by British Trix and the best modern underframe I could find was from a Bachmann 'Clay Hood' but is slightly short for the body.



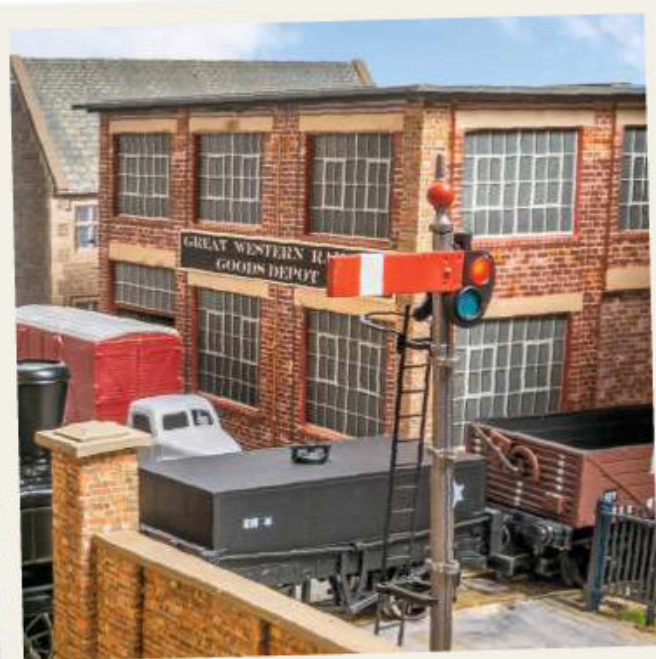
A typical Biltzee sheet. I particularly like the artwork on this example, which builds Cotswold cottages or a small hotel. Antics Online offers a limited supply of Biltzee kits.



Above: The British Trix ICI salt and Hornby-Dublo United Glass Bottle Company open wagons have both gained new chassis. Neither was in good enough condition to have any collector value despite their age.

Right: This Dublo Dinky lorry dates from my Hornby-Dublo layout pre-1960. I resprayed it in matt grey many years ago. The bed was stretched to accommodate Hornby's paper-covered wooden container which was quite a bit over-scale compared to the modern Peco plastic version.





UPGRADE BILTEEZI SHEETS

Once I had decided to use the Bilteezi sheets and to create a 'retro' look, I realised that I would need to adapt them to suit the angle from which they would be viewed. They were designed to be used flat and viewed from the front, but I would be using them in a scene where the flatness would be too obvious. Looking at them obliquely, I would need to recess the windows and doors, and to provide windowsills, doorsteps and a roof overhang.

STEP
BY
STEP

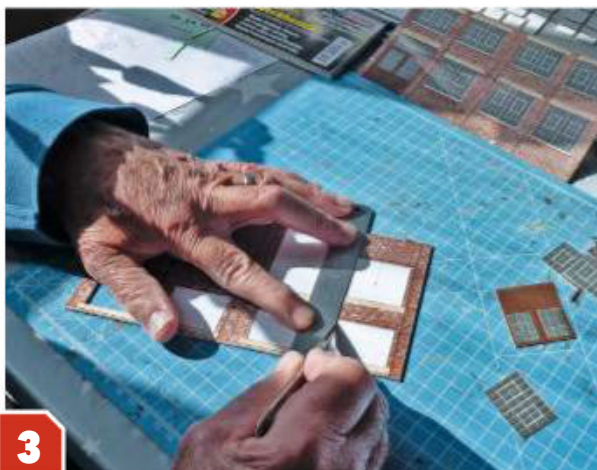
1

I would need to adapt the kits, so I began by scanning them and printing off the parts I needed on A4 sheets. If originals had been available, I would have used them. I began by cutting out the windows and doors.



2

I then mounted the wall on 2mm mount board, which I had previously cut to size. 3M Spray Mount can be used for this, or Velo-Set or Speedbond PVA glue, which tend to be a bit more permanent than the Spray Mount.



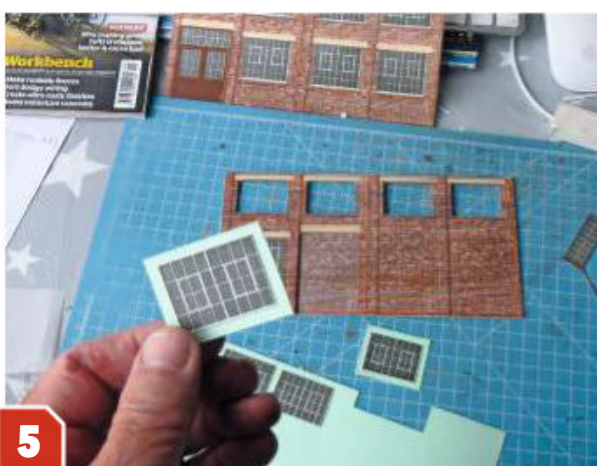
3

Using a steel rule and a sharp new blade in my Swan-Morton craft knife, I cut the window and door openings out, following the edge of the printed sheet and avoiding cutting into it. The short steel rule is favourite for this job.



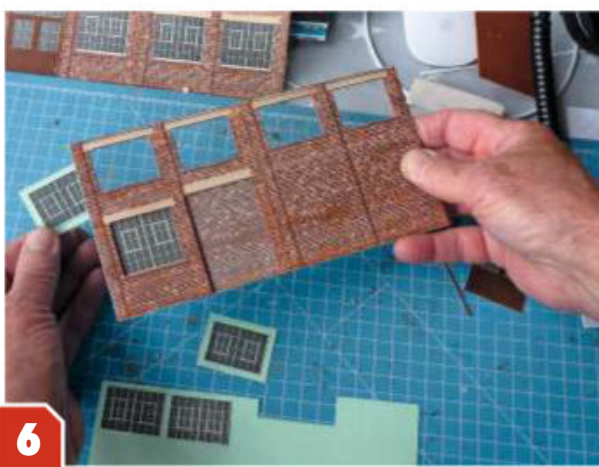
4

The exposed card edges around the openings were painted with Omen Miniatures brick base colour. You can mix a colour to match the brickwork or use a darker shade to emphasise the recess.



5

I mounted the windows and doors I'd cut out onto thin card and cut out with a border wide enough to fit behind the aperture. The frames are shaded. The lighter colour goes to the bottom, the darker (for shading) at the top.



6

It's a good plan to try and return window frames to the same aperture they came out of to ensure a good fit. I replaced one large door opening with a panel of brickwork cut from another sheet.



7

Side walls. The one with the bricked-in panel has recessed windows and will be towards the front of the layout. The lower wall is in original condition and will face the layout's rear. This saved time as I was up against a deadline.



HOW TO

CREATE A SANDITE RAILCAR

Designed to apply grippy surface treatment to leaf-prone railheads, **Chris Leigh** slips into autumnal mode to convert an unusual railcar from Dapol's Class 121.

BR faced a problem following the end of steam and the decline in heavy freight traffic. Lineside embankments were no longer being managed by permanent way gangs and, by the 1970s, lineside growth had started to cause problems, particularly during the leaf-fall season. The newer, lightweight multiple units, particularly those with disc brakes, were heavy enough to crush fallen leaves into a slurry but not sufficient enough to clear it away from rails and wheel treads.

It simply stuck, polished to a glass-like surface, and made trains slip and slide as they braked. This, in turn, led to wheel flats and units required more frequent tyre turning, increasing costs and shortening tyre life. Worse, leaf-fall in the wrong place could lead to a train sliding past a red signal - a so-called SPAD (Signal Passed At Danger).

A solution had to be found, preferably one that did not involve wholesale clearance of lineside trees. All this was brought sharply to my attention on April 21 1982 when, while driving to work in Shepperton, a news report came over the car radio that there was a train ➤



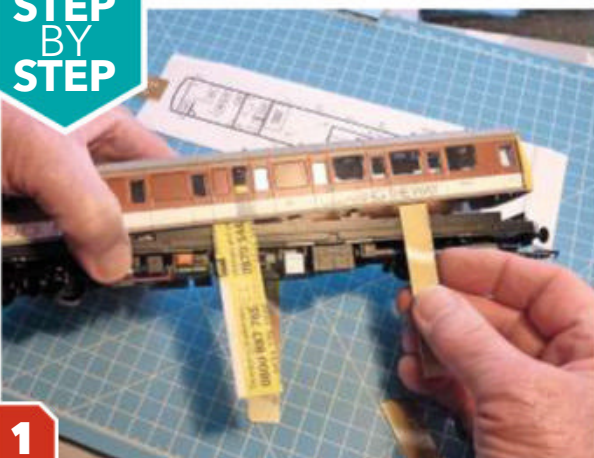
MODEL Dapol 4D-009-009 Class 121
Railtrack livery ♦ Price £145.00

AVAILABILITY Dapol
stockists or www.dapol.co.uk

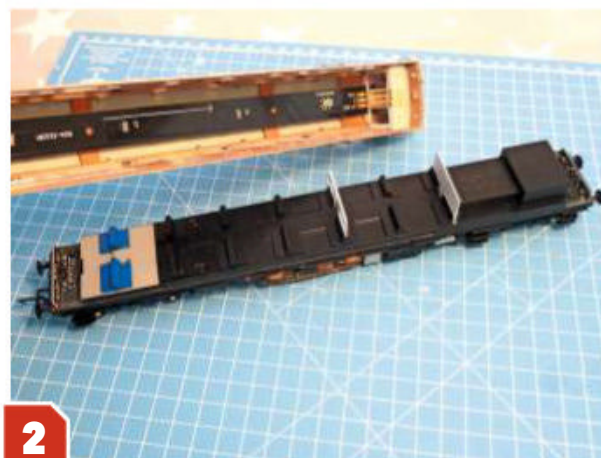


5hrs

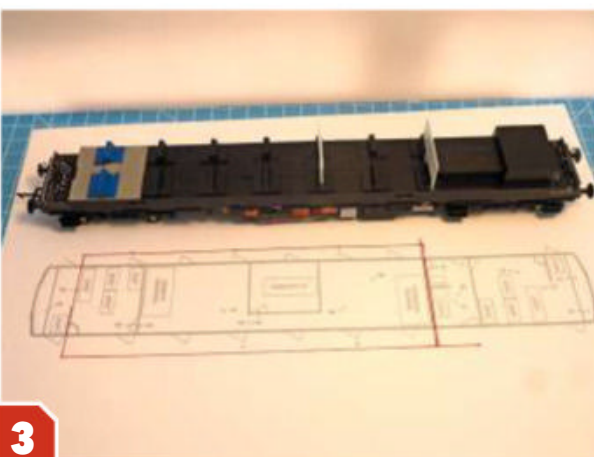


**STEP
BY
STEP****1**

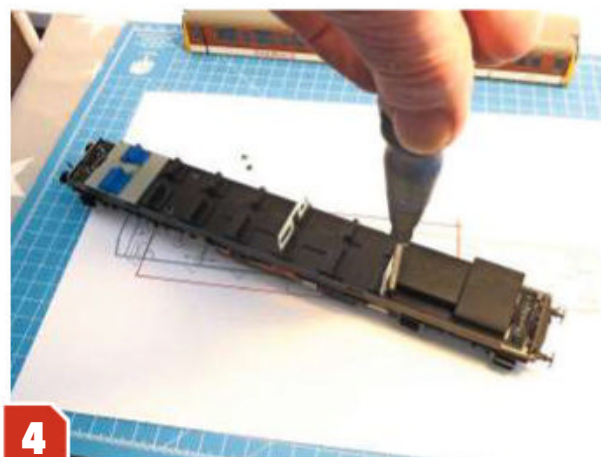
The first job is to remove the body to see what internal detail there is. The body simply unclips and the easiest way is to insert strips of plastic between the body and the solebar. I use cut-up bank cards for this.

**2**

With the body off we can see that the interior has its original passenger seats. Four at the front are picked out in blue to represent the seats used by route-learners, but they are in the wrong place for that job.

**3**

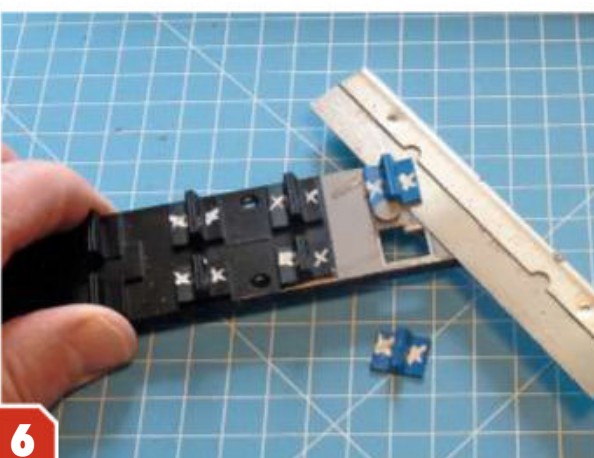
I had a drawing, found on the internet, which I copied and enlarged to 'OO' size. I marked the area needing attention in red. The guard's area will not be touched as that is filled with all the electronics.

**4**

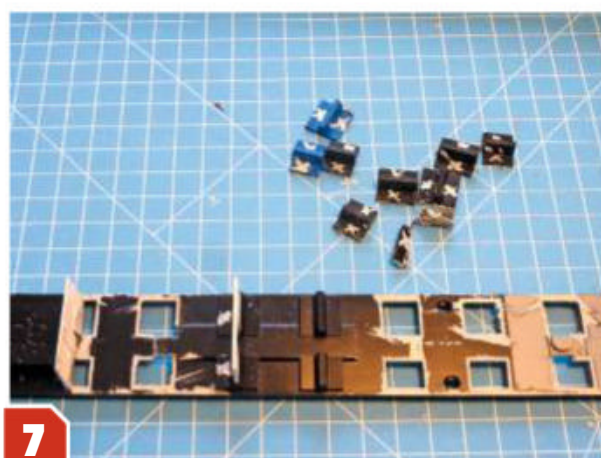
Four tiny cross-head screws attach the interior moulding to the chassis. To avoid risk of damage to the mechanism I undid the screws and lifted off the plastic interior moulding, setting the screws aside safely.

**5**

Next, working from the drawing, I used a small brush and white paint to mark all the seats that needed to be removed. I planned to leave the seats in the generator area as they would be entirely hidden.

**6**

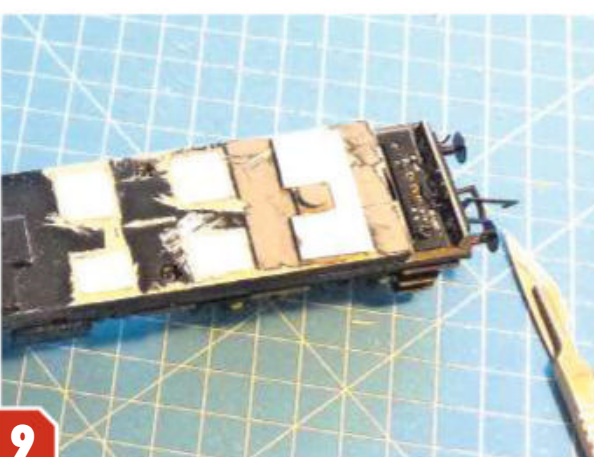
Using a sharp razor saw with a very fine-toothed blade, I cut off all the marked seats at 'floor' level and set the best ones aside for possible future use. Care is needed. If the blade slips you may cut your fingers.

**7**

With the seats removed, I was left with a series of odd-shaped holes in the floor. I neaten these up with a file to give me straight edges and remove any loose swarf from the sawing.

**8**

I cut rectangles of .040in styrene sheet, shaped to fit tightly in the holes, and secured them with Plastic Magic. I had to raise one or two to clear obstructions on the chassis - these were cut oversize and glued over the hole.

**9**

I check-fitted the interior a couple of times to ensure that none of my new infills was fouling components on the chassis. In the end, only the infill around the front bogie pivot area needed to be raised.

**10**

It became apparent that the walls around the generator would be easier to fit if I removed one more seat unit. By this time I had already started to re-fit seats in their correct positions for the route-learner.

in the High Street! I imagined something on a low-loader had got stuck on one of the village's sharp bends. I wasn't really prepared for the sight of the leading coach of a Class 508 four-car EMU that seemed to have jumped over the brick wall and had gone far enough into the street to knock over one of the traffic lights!

It transpired that technicians at Strawberry Hill maintenance depot had been carrying out tests of leaf-fall treatments. These had involved coating the rails in a leaf-slurry equivalent and applying experimental treatments. The slippery coating was supposed to be removed long before the first public train of the day... but it hadn't.

The driver of the first Down train couldn't stop the train. It struck the wooden stop block attached to the brick wall so hard that it lifted the concrete plinth on which the wall was built, and the section of track, creating what amounted to a launch ramp.

My colleagues and I spent the day watching the skill with which Wimbledon's 75-ton crane was manoeuvred in an incredibly tight space to gradually draw the coach back onto the track.

BR's eventual solution was Sandite, a compound of sand, antifreeze and steel shot, applied to the rail-head to improve adhesion, usually after high-pressure water jetting had been used to remove the leaf residue. For this operation it required special equipment. At first, an assortment of spare

multiple-unit cars were converted but in later years the specialized, locomotive-hauled Rail Head Treatment Train undertakes this filthy duty.

For a decade or more around the end of the 20th Century, Sandite application ensured the survival of a handful of elderly diesel railcars, even ensuring that several of them lasted long enough to find their way back into preservation.

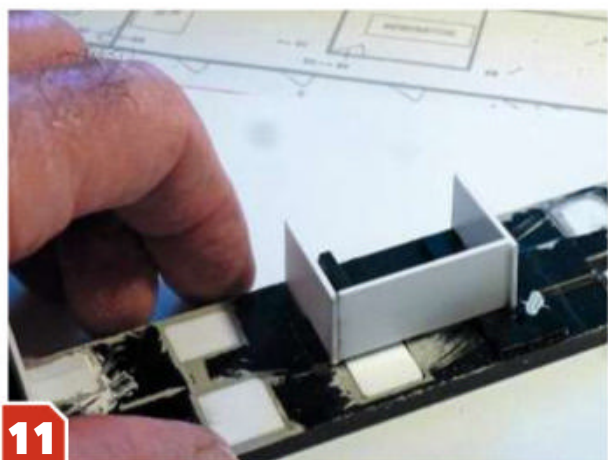
Though the first production run of Dapol's Class 121 and 122 railcars were all passenger versions, the second run included several vehicles in departmental condition. Among these were 55012 in Loadhaul livery (a Class 122 route-learner) and two route-learner/Sandite cars in Railtrack livery, one in light brown and white as 960021 and the other in lined coaching stock maroon as 977858 (formerly W55024).

The latter two models carry a good rendering of the Railtrack livery but they are otherwise just the model of the passenger car with most of the seating painted black so that it does not look too obvious through the windows. Only those seats that were retained for the driver trainees are picked out in blue.

As I have various models of W55021 it seemed only right to have a model of the ill-fated railcar in its final livery. However, I was never very happy with the 'fudged' interior detail and determined to replace it with something more like an actual Sandite car.

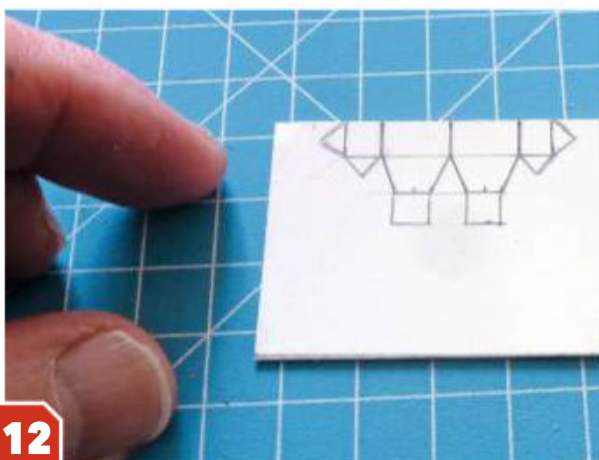
The calamitous effect of a leaf-slurry slip

The 75-ton breakdown crane from Wimbledon recovers the leading coach of 508 031 after it ran through the stopblock at Shepperton having been unable to stop at the platform. CHRIS LEIGH COLLECTION



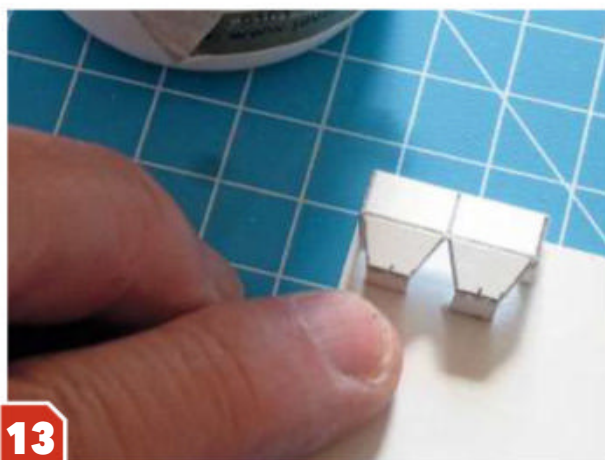
11

I fitted three walls of .040in styrene sheet around the generator area. The seats within this were left as this area cannot be seen once the body is back on. A small cut-out was left in one of the rear floor infills to clear the flywheel.



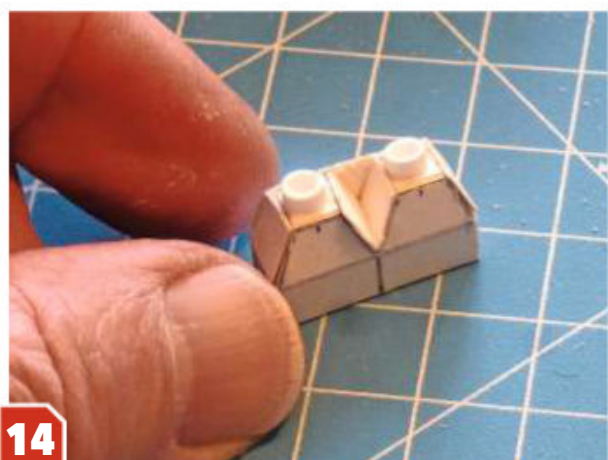
12

Attention then moved away from the model as I decided how best to make the Sandite hoppers. These are quite tiny so I decided to draw them out and fold them up from postcard.



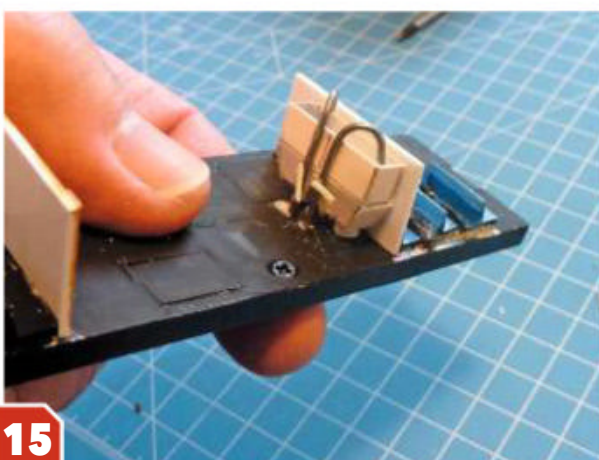
13

So far, the hopper unit is one piece of folded postcard. I drew it with tabs that could be folded back in order to attach it to a postcard backing piece. I used Velo-Set quick-drying PVA for assembly.



14

Small pieces of postcard completed the tapered sections of the hoppers, the middle piece folded to a 'V'. Small slices of Evergreen styrene pack 224 1/8in tube were fitted but nothing below these owing to Dapol's raised 'floor' level.



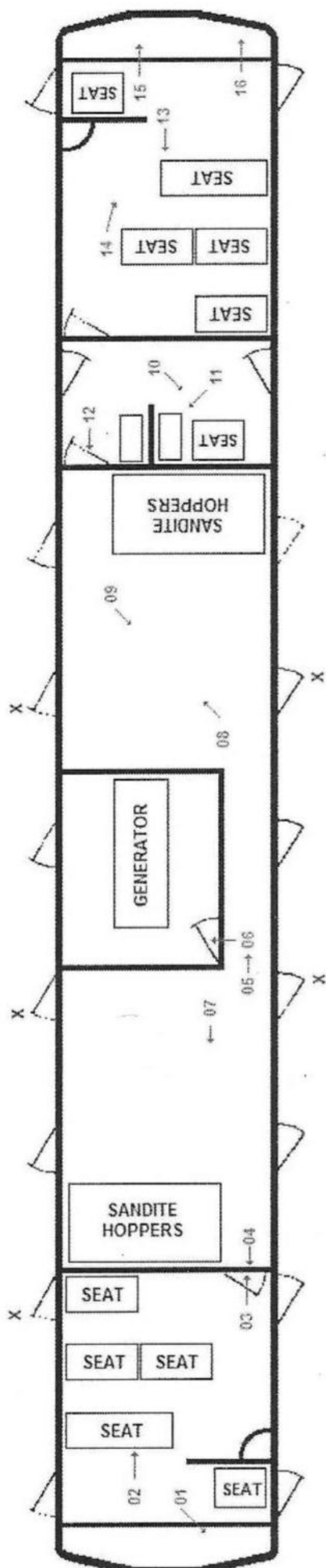
15

Trimmed to shape, the hopper unit was fitted to the bulkhead and glued in place. Feed pipes are bent from solder with valve operating levers from slivers of card. The hopper unit at the other end is identical.



16

I then painted the hopper units. Flexible green plastic pipes are used on the real thing, with the valve levers painted orange. Most of the interior seems to have been unpainted aluminium sheet or, perhaps, pale grey paint.



What's special about 55021?

The answer to that question, is 'Nothing, really', except to me. When, in 1962, I first ventured down to Staines West station to catch the 'pull-and-push' to West Drayton, this was my first sighting of the branch train. Snapped on my Kodak Brownie, the Pressed Steel single-unit railcar on branch duty that day was W55021.

I cannot say that I followed its career from that moment, although I did always take an interest in the 16 Pressed Steel and 20 Gloucester RC&W railcars, which were the mainstay of many branch and local services on the Western Region. I can find no real evidence that W55021 ever went west and it seems to have remained in the Thames Valley throughout its career. It lost its dark green livery for blue, then blue/grey,

before it received Network SouthEast colours in the late 1980s.

In 1992, it was taken out of passenger service and converted to a route-learning and Sandite car. It remained in NSE livery until taken over by Railtrack and repainted into a light brown and white colour scheme. It was renumbered in the unit series as 960021 and on its sides as vehicle No. 977723, in which form it is represented by the Dapol model.

I last saw 55021 when it was stored out of use at Aylesbury in 2009, together with much of the DMU Sandite fleet. Several of those railcars found new homes with preservation societies, but W55021 was not one of them - it was dismantled and scrapped at Aylesbury in 2011.



BOTH: CHRIS LEIGH

GAUGEMASTER Structures



OO SCALE
FORDHAMPTON
BUILDING KITS

OO Scale Plastic Kits

BESTSELLERS



GM406



GM407



GM412



GM418



GM421



GM422



GM425



GM426

STATION ESSENTIALS



GM401



GM402



GM403



GM404

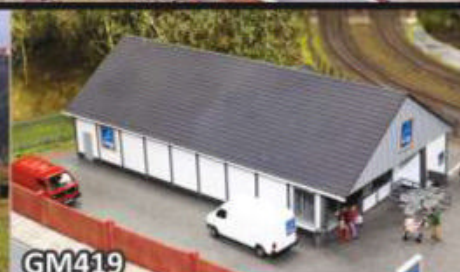
TOWN ESSENTIALS



GM405



GM408



GM419



GM423

RURAL ESSENTIALS



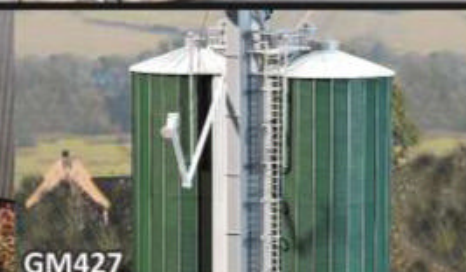
GM411



GM413



GM420



GM427

NEW RELEASES



GM433



GM438



GM439



GM448

GM401	Station Kit	£27.50	GM422	Site Office Kit	£18.50	GM446	NEW Cement Works Kit	£42.00
GM402	Signal Box Kit	£13.50	GM423	Bus Shelters Kit	£17.25	GM447	NEW Oil Tank Kit	£18.75
GM403	Footbridge Kit	£21.50	GM424	NEW Service Station Kit	£28.00	GM448	NEW Industrial Pipeline Kit	£24.25
GM404	Level Crossing Kit	£14.75	GM425	Wind Farm (Motorised) Kit	£42.00	GM449	NEW Industrial Chimney Kit	£18.75
GM405	1960s Three Bedroom House Kit	£17.00	GM426	Playground Kit	£13.50	GM450	NEW Assorted Boats Kit	£14.75
GM406	Locomotive Depot Kit	£24.50	GM427	Grain Silos Kit	£22.25	GM451	Wooden Fencing Laser Cut	£6.50
GM407	Carriage Platforms Kit	£12.00	GM428	Car Park Kit	£27.00	GM452	Wooden Lattice Fence Laser Cut	£6.50
GM408	Village Stores/Pub Kit	£19.50	GM429	Mortimer GWR Spear Fencing	£3.75	GM453	Garden Shed Laser Cut Kit	£7.50
GM409	NEW Detached House Kit	£15.00	GM430	Mortimer GWR Station Kit	£23.75	GM454	NEW Marquees (3) Kit	£12.75
GM410	Doctors/Rest Home Kit	£18.00	GM431	NEW Model Shop Kit	£15.75	GM460	Unpainted Figures (72)	£6.95
GM411	Farmhouse/Holiday Home Kit	£18.00	GM432	NEW Dockside Warehouse	£27.50	GM465	Station Clock (Lit)	£3.95
GM412	Gasometer Kit	£23.25	GM433	NEW Dockside Crane Kit	£17.00	GM466	Wall Mounted Clocks (2) (Lit)	£6.95
GM413	Nurseries Kit	£22.75	GM434	NEW Police Station Kit	£24.00	GM467	Car Park Floodlight V1	£6.95
GM414	Bridge Kit	£14.75	GM435	NEW Car Showroom Kit	£24.00	GM468	Car Park Floodlight V2	£6.95
GM415	NEW Railway Loading Dock	£15.00	GM436	NEW Furniture Store Kit	£24.00	GM469	Wall Modern Floodlight (3)	£6.95
GM416	NEW Play Park Kit	£13.50	GM437	NEW House Construction Kit	£31.50	128 Full Colour Pages. Full Gaugemaster Range listings and images, articles and guides on a range of subjects.		
GM417	Building Site Accessories	£23.25	GM438	NEW Dockside Walling Kit	£14.75			
GM418	Loading Crane Kit	£13.50	GM439	NEW Campsite Kit	£25.00			
GM419	Supermarket Kit	£34.00	GM440	NEW Military Tents (7) Kit	£12.95	GM360	Gaugemaster Catalogue	£5.00
GM420	Farm Silos Kit	£16.00	GM441	NEW Military Barbed Wire	£12.95	Find us on Facebook: @Gaugemaster Follow us on Twitter: @Gaugemaster Follow us on Instagram: @gaugemaster_controls		
GM421	Fuelling Point Kit	£39.00	GM442	NEW Military Sandbags	£9.95			

GAUGEMASTER products are available from your local model shop or, in case of difficulty, direct from ourselves
GAUGEMASTER Controls Ltd, Ford Road, Arundel, West Sussex, BN18 0BN, United Kingdom
 tel - 01903 884488 fax - 01903 884377 email - sales@gaugemaster.com

www.gaugemaster.com



Reviews

In-depth and unbiased reviews of the latest products

102 Mini test

Our experts rate five of the best products. This month: Peter Marriott reviews five products for modelling rocks.



82 Bachmann
'2-HAP' EMU

86 Dapol
prototype HST

90 Cavalex BBA steel
carrier wagon

92 Murphy Models
121 Class

96 Graham Farish
HKA wagon

98 Bachmann
Class 159

100 Peco FR 'Small
Birminghams'



Our reviewers

Richard Foster

His forte is steam locomotives.

Chris Leigh

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

Ben Ando

Model Rail's 'N' gauge specialist.

Peter Marriott

Model Rail's scenic expert.

Our ratings

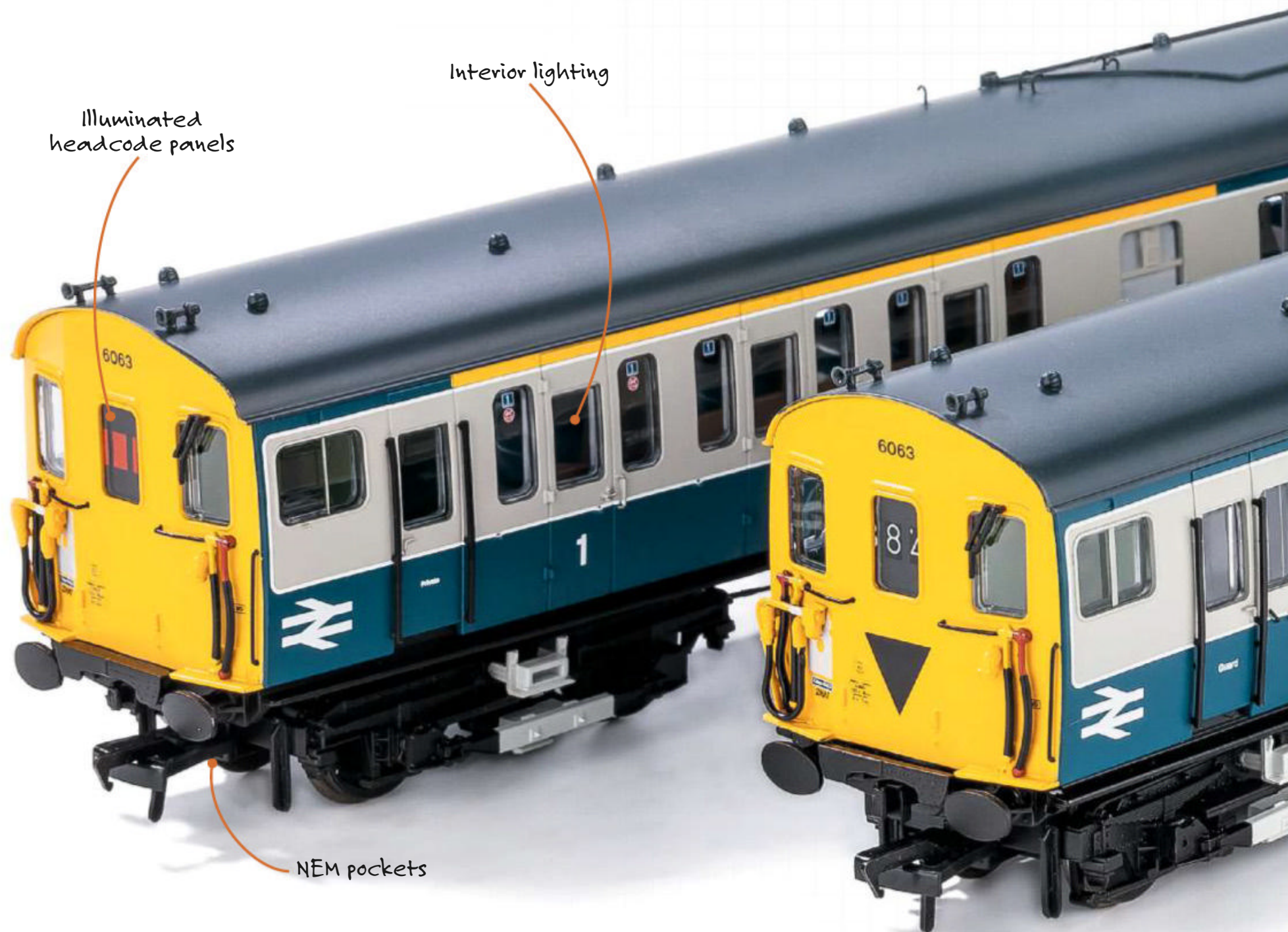
We assess models on the following criteria and rate each of them out of ten: that way, you know precisely how good a model is.

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.





Bachmann '2-HAP' EMU

◆ GAUGE 'OO' ◆ MODEL Bachmann Branchline 31-391 Class 414 two-car EMU 6063, BR blue/grey ◆ PRICE £259.95 ◆ AVAILABILITY Bachmann stockists

My one surviving *Abc Combined Volume* shows that my observation of '2-HAP' units was patchy, to say the least. The tiny unit numbers, placed in the middle of the ends, made Southern Region EMUs something of a spotters' nightmare. On an eight-car train comprising four two-car units, one would be lucky to read the numbers on any more than the front and rear units when moving at speed. However, my predominance of 'cops' in the series above unit 6145 suggests that later-built '2-HAPs' were

present on the Western Section, though the rest of the class was prevalent in the central and south-east suburbs.

Nevertheless, there is something refreshingly familiar about Bachmann Branchline's latest third-rail EMU release. The sample that Bachmann has kindly supplied for review is finished in Rail blue and grey as 6063 and it is immediately recognisable as a spot-on rendering of one of these very basic, ordinary trains.

Once you have a Southern EMU chassis, it is not difficult to adapt it to suit a variety of units, just as the Southern Railway and Southern

Region did over much of the 20th Century. Bachmann has done just that, with the chassis that was developed for Kernow MRC's Class 205 diesel-electric unit and Bachmann's own Class 411 '4-CEP', for which the '2-HAP' is the perfect companion.

IN DETAIL

Like the '4-CEP', this model captures the character of the real thing exceptionally well and boasts some stunning details. The cluster of separately fitted jumpers and cables on the cab ends reminded me of the hisses and

bangs as trains were joined or divided at Staines Central.

It is not just the end detail that impresses. Printed detail on the electrical equipment made me look twice to see if it was moulded or merely printed on, and most of the underframe components are separate fittings.

Simple shapes are often the most difficult to capture accurately, but the very plain Mk 1 non-gangwayed body looks the part, the only distraction being the inevitable prismatic effect around the multitude of flush-glazed windows.

WHAT IS AVAXHOME?

AVAXHOME-

the biggest Internet portal,
providing you various content:
brand new books, trending movies,
fresh magazines, hot games,
recent software, latest music releases.

Unlimited satisfaction one low price

Cheap constant access to piping hot media

Protect your downloadings from Big brother

Safer, than torrent-trackers

18 years of seamless operation and our users' satisfaction

All languages

Brand new content

One site



AVXLIVE • ICU

AvaxHome - Your End Place

We have everything for all of your needs. Just open <https://avxlive.icu>



21-pin DCC socket

Starting with its Class 121 (MR273) and '117' (MR277), Bachmann seems to have moved its paint finishes up to a new level this year. The Rail blue and grey paintwork on this model has an excellent satin-matt finish, which matches well with my memory that this livery was seldom shiny, even when freshly applied.

It is, however, the printing that is impossible to overlook. Corporate image lettering was, of course, upper and lower case, so the lower case letters are particularly small.

The crowning glory is on the ends again – and take care not to break the jumper cables while looking for it!

Yes, partly hidden behind the cables below the driver's windscreen is the WD depot sticker for Wimbledon printed in black. Almost behind the cables on the other side is a Rail blue and grey label reading 'Class 414/3'. Many of us 'Southerners' could never really get to grips with TOPS class numbers, and it seems depot staff were similarly affected, for one had neatly painted '2HAP'



immediately below it in black freehand and Bachmann has painstakingly reproduced it.

The chassis and mechanism used here is similar to that used in the '4-CEP' and the Class 419 'MLV',



rather than the newer, low-height design used in the recent WR diesel units. Thus, we merely have directional-controlled lighting behind the two-character headcode panels at the front ➤

Performance

I'm always fascinated by how much 'at home' Southern EMUs look when standing in the main station on my layout. As one might expect from a Bachmann product with this particular chassis arrangement, the '2-HAP' ran faultlessly.

It was smooth and quiet from the word go and it really did not seem to require any running-in for optimum performance. I did not test it for haulage capacity but I did try it for compatibility running with a '4-CEP' and it performed faultlessly throughout the speed range.

3 things we like



1

The grey panels are correctly positioned and the fine white outline is neat, even over the door recesses.



2

The trailer vehicle's fine, full-length brake rod is typical of the high-quality chassis detail.



3

From the 'Load 1 ton evenly distributed' beside the guard's door, to the 'No Smoking' labels on the windows, all the printing is spot on, neat and legible.



Bachmann '2-HAP' EMU

System builder

Other items to complement this model...

EMU

Bachmann's first EMU is still one of the best EMUs around, and every third-rail fan should have at least one. Four new liveries are now in stock. **Price:** £419.95-£449.95 **Availability:** Bachmann stockists



Factfile: '2-HAP' EMU

Prior to the re-classification of all BR locomotives and multiple units to suit the TOPS system, the Southern Region's class system for its multiple units could be a little confusing. Consisting of a number and three letters, some, such as the '5-BEL' (five-coach 'Brighton Belle' Pullman units) were self-evident.

Others, such as '2-HAP' for a two-car non-gangwayed units with buckeye couplers and electro-pneumatic brakes, were much less easy to translate, particularly as the designation covered two batches of units with distinctly different body styles.

The first units to receive the designation were 60 two-car sets with express gearing (numbers 5601-60) built in the post-war years to the Southern Railway's Bulleid body design and profile. For these, the Southern did as it so often had before and re-used old underframes.

Bachmann's model represents the second incarnation of '2-HAP' as these were the BR standard design to the C1 body profile, matching BR Mk 1 stock. Representing the classic 'Eastleigh' styling they featured the less-than-aerodynamic flat front end which could be found on a 57ft non-gangwayed BR Mk 1. These units (numbers 6001-6173) were for fast intermediate services with limited stopping patterns. As such, they were intended to be fully compatible with the 90mph Mk 1-based stock for the Kent Coast electrification and were geared accordingly. BR's '2-HAPs' - later Class 414 on TOPS - were built between 1957 and 1963. Withdrawals started in 1982 and ten DMBS were turned into luggage vans (Class 489) for Gatwick Express services. The final 'HAPs' lasted in service until 1992.



1: BR '2-HAP' 6063 pauses at Kemsing, near Sevenoaks, on December 19 1962. Each unit consisted of a semi-saloon Driving Motor Brake Second seating 84 passengers and a Driving Trailer Composite with 19 First Class and 50 Second Class seats. Only passengers in the composite coach had access to a toilet! COLOUR RAIL

2: '2-HAP' 6078 leads a ten-car EMU through Bearsted in May 1983. '2-HAPs' 6001-6142 were later renumbered in the 42XX series (as Class 414/2) and 6043-6173 took numbers in the 43XX series (Class 414/3). RAIL PHOTOPRINTS

3: Two renumbered units have been preserved, both a long way from the third-rail electrified lines on which they worked: 4311 is in store at Peak Rail, whereas 4308 has undergone extensive restoration at the National Railway Museum's Locomotion outstation and now carries BR blue/grey on one side and Network SouthEast livery on the other. SCOTT WIGGLESWORTH/LOCOMOTION



ROLLING STOCK

If you've bought yourself a '2-HAP' and a '4-CEP', you might as well get yourself one of the excellent Class 419 Motor Luggage Vans too! **Price:** £149.95 **Availability:** Bachmann stockists



ACCESSORIES

Don't forget some typical Southern Region infrastructure for your EMUs. One of Bachmann Scenecraft's Art Deco signal boxes (product code 44-064) is ideal... if you can find one! **Price:** Not available new **Availability:** Bachmann stockists



and rear. The motor coach carries the '84' headcode and the trailer the two red bars which formed the tail light on SR units.

The bogies are similar to those used on the '4-CEP' with excellent depth of detail, including

JARGON BUSTER

- Route 84 (Central Section): Victoria and Epsom Downs via Streatham Common and West Croydon
- Route 84 (Eastern Section): Charing Cross and Paddock Wood via Greenwich, Strood and Maidstone West

separately fitted shoe-beams. Electrical connection between the two vehicles is by the same clip-fit plastic bar as used on the previous EMU, rather than the more cumbersome multi-pin plug used on the DMUs.

The motor is concealed in a black-painted metal casting within the 'van' area of the motor coach and drives the outer bogie by way of a Cardan shaft and gearbox. It's this area which harks back to criticisms of the '4-CEP' model and some of Bachmann's other multiple units, because it

intrudes into the passenger area and is visible through the windows. On the '2-HAP', it blocks approximately one and a half seating bays but then there are various electrical components and other chassis parts which, though they are below window level, take up further interior space, filling a total roughly half the car length. These are less conspicuous, despite being highlighted by the interior lighting of the coach.

Bachmann has done everything possible to produce the '2-HAP' to its highest possible 21st-century

standards, given the use of an existing chassis design. It has succeeded, but the model is held back by the intrusion of so much chassis and electrics into the passenger area, which is a pity, and why it misses out on a 10/10 for looks and for features. (CJL)

BACHMANN '2-HAP' EMU

OVERVIEW	Body: Plastic Chassis: Metal/plastic
Manufacturer: Bachmann	Weight: 392g (motor coach), 183g (trailer)
Ref. No. 31-391 Unit No. 6063	Min. curve radius: R2 (438mm)
Scale/gauge: 1:76 scale, 16.5mm gauge 'OO'	Wheel back-to-back: 14.5mm
ELECTRICS	
Electrical system: 12V DC two-rail	DCC ready: 21-pin socket
Motor type: Can motor	
Lights: Directional and interior	
MECHANISM	
Drive system: Chassis-mounted motor with shaft drive to one bogie	Flywheel(s): One
	Traction tyres: No

DIMENSIONS	PROTOTYPE	1:76 SCALE	MODEL
Length (over buffers)	63ft 11½in	256mm	256mm
Height (over chimney)	12ft 4½in	49.5mm	50mm
Width (over footplate)	9ft 0in	36mm	36mm
Wheel diameter	3ft 6in	14mm	14mm
Bogie wheelbase	8ft 6in	34mm	34mm
SERVICING			
Where to oil: Factory lubricated; instructions suggest further lubrication after running-in.			
How to dismantle: Body unclips.			

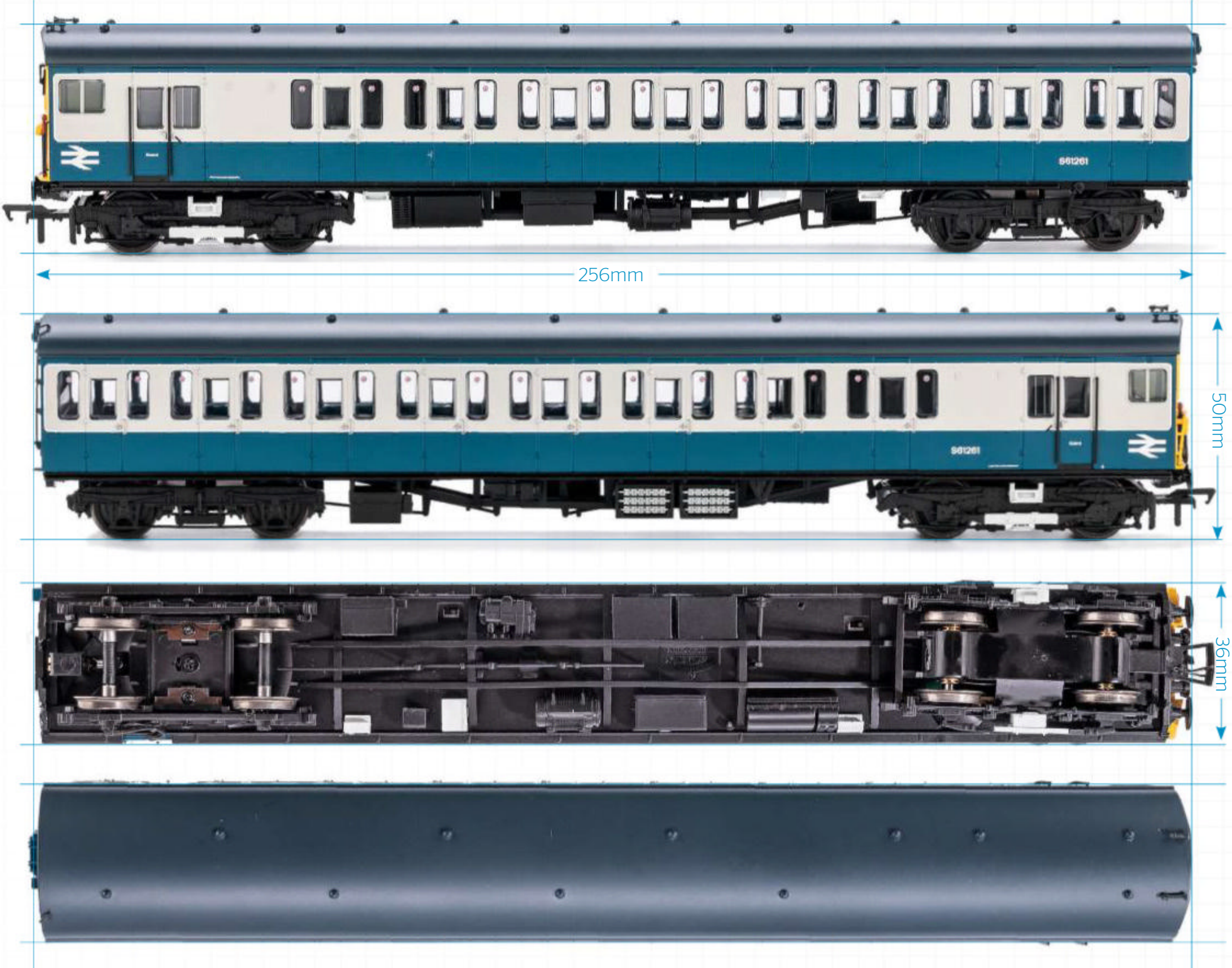
REVIEW VERDICT

PROS. Accurate body shape, smooth, quiet chassis.

CONS. Mechanism visible in passenger saloon.

LOOKS	9/10
PERFORMANCE	9.5/10
FEATURES	7.5/10
DECORATION	9.5/10
VALUE FOR MONEY	9/10

89%





Dapol prototype HST

◆ GAUGE 'N' ◆ MODEL Dapol 2D-027-001 High Speed Diesel Train prototype twin-pack ◆ PRICE From £150.00 ◆ AVAILABILITY www.dapol.co.uk

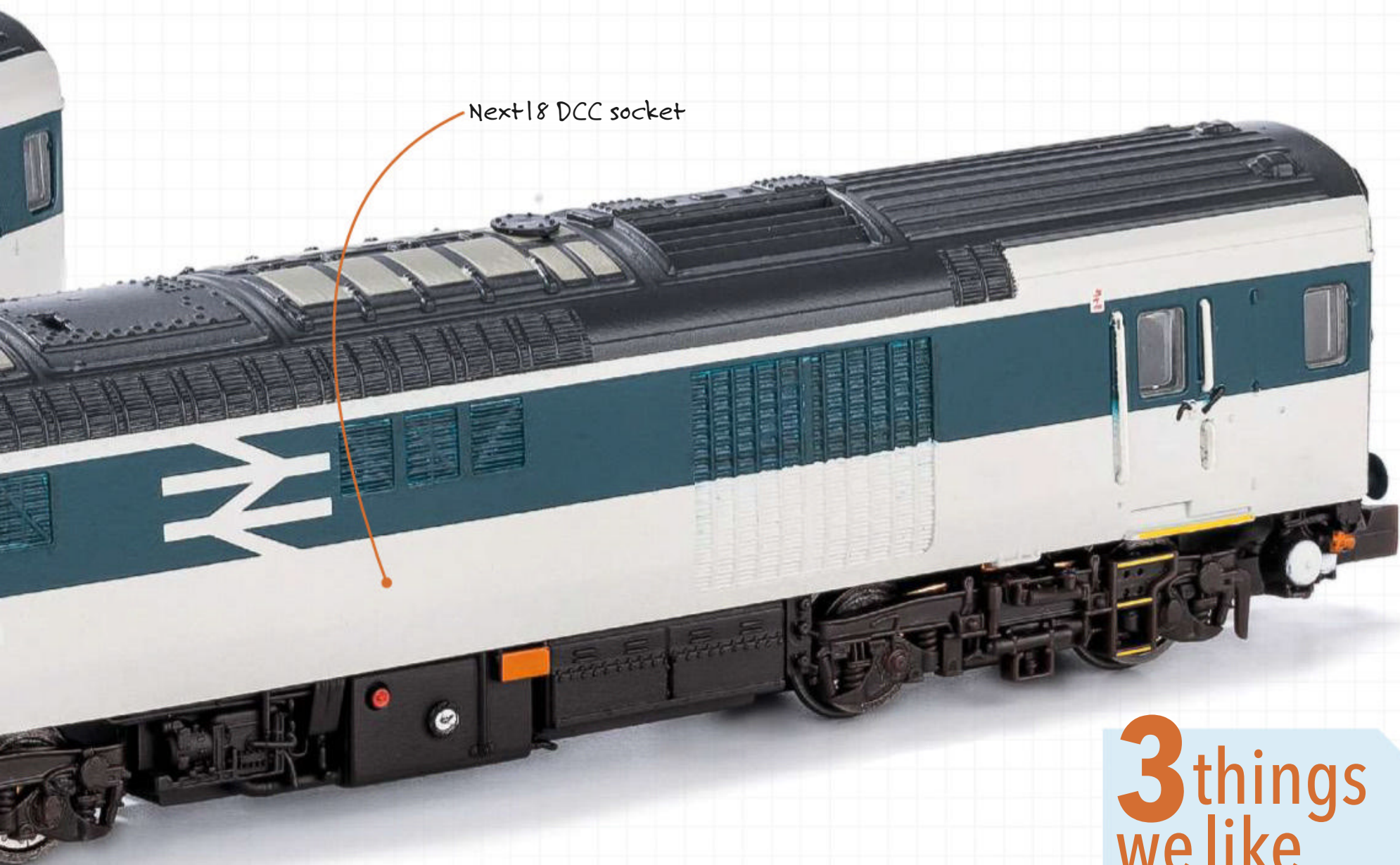
The High Speed Train is not only one of Britain's most easily recognised trains but it's one of the most successful, and its 45-year reign as 'Top Link' power is only now just coming to an end. Not surprisingly, models of the HSTs have been produced by numerous manufacturers in both 'OO' and 'N' gauges over the years. But the prototype HST, in its attractive reverse blue grey livery, has never been produced in ready-to-run form before... until now.

Dapol teased us with the possibility of the prototype HST power cars at 2015's International N Gauge Show, announcing that it was working with Project Miller, the group which

restored National Collection 41001 to working order. The project then went quiet for a while, before Dapol relaunched the project, complete with coaches this time, but only if enough pre-orders were made. Happily, those orders materialised - and now the model is here.

The prototype power cars differ from the production versions in several areas; the most obvious external ones are that they're shorter, the roof panels are different and that the front lacks that distinctive Kenneth Grange-penned nose; instead, the prototype has buffers, the rake angle is slightly less and the head and tail lights are enclosed within a taller front windscreen panel. The Dapol





“The bogies and underframe are very finely detailed and are coloured brown, as is correct for this version of the BR corporate image”

model captures these characteristics very well and compares well with the prototype dimensionally.

All glazing is clear and the lights are very effective, being located behind the lower panel of the front windscreen. For the 1970s they should probably be more of a golden yellow colour than the bright white fitted, however this is a very minor quibble.

Above the windscreen the airhorn recess is open and the horns can be seen; when built these were hidden by a small grille but evidence suggests the power cars usually operated without the grille in place. Dapol has included pre-painted photo-etched grilles for any customer who wishes to fit them, which is a rather neat touch.

The reverse blue-grey livery with yellow ends is well painted. The BR double arrow symbol is, correctly, revealed by gaps in the blue bodyside band, rather than being a separately applied white symbol, as was normally the case at this time.

The bogies and underframe

are very finely detailed and are coloured brown, as is correct for this version of the BR corporate image. Air tanks, control boxes and fuel gauges have been picked out in white and orange, and the ➤

Performance

The model features a smooth-running chassis and has a factory-fitted Next18 decoder socket for those who wish to use digital control. The dummy power car has axles in pin-point bearings with electrical pick-ups. My example was not especially free-running, but the power car certainly had enough power to overcome any resistance.



3 things we like



1

The grille and roof detail comprise some crisp mouldings.



2

The bogies feature a wealth of fine detail.



3

The cab front profile looks absolutely spot-on.



Dapol prototype HST - in detail

Factfile: HST-P

In the early 1970s, British Rail considered the electric, tilting Advanced Passenger Train - developed from the successful APT-E prototype - to be the future of high-speed train travel but, with full electrification expected to take some years, the British Railways Board authorized the parallel development of a 'stop-gap' diesel train, known as the High Speed Diesel Train. The HSDT would have aerodynamic power cars at either end of a train of new coaches, to be designated Mk 3.

Two prototype power cars were built by British Rail Engineering Ltd at Crewe, with Derby responsible for the ten prototype coaches. Initially, the power cars were considered as separate locomotives, given the designation Class 41 and numbered 41001 and 41002. However, the entire train was reclassified as Class 252.

Trials on the Eastern and Western regions proved successful, with the HSDT setting a new world speed record for diesel power - and with the APT-P project stuttering - an order for just under 200 power cars, to a slightly different design, and nearly 850 Mk 3 coaches was authorized.

When the production HSTs entered squadron service, the Mk 3 prototype coaches were amalgamated into the main fleet, while the power cars were assigned to BR's research team at Derby. 41002 was scrapped in 1990 but 41001 became part of the National Collection.



1

1: Prototype High Speed Train 252001 blasts into the sunshine from the depths of Twerton Tunnel, near Bath, with the 1830 London Paddington-Bristol on July 26 1975. 252001 set a speed record of 143.2mph on June 12 1973 but further records were curtailed as they threatened to steal the limelight from the APT! A production HST set the world record for diesel traction in 1987 when it reached 148mph. GRAHAM SMITH/RAIL PHOTOPRINTS



2

2: How the mighty hath fallen! Prototype HST powercar No. W41002 - now known as ADB975813 - was photographed dumped in the snow at Derby in 1986. Although out of use, it was not officially withdrawn until 1988 and was finally scrapped in 1990. GORDON EDGAR/RAIL PHOTOPRINTS



3

3: 41001 fared rather better; after cosmetic restoration it moved to the National Railway Museum where it was on display until 2013 when the 125 Group's Project Miller team took it to Ruddington for restoration to operational condition. It moved under its own power for the first time on May 31 2014 and hauled its first passengers that November. PAUL BIGGS

wheels have cosmetic photo-etched brake discs fitted, adding an air of refinement. The RP25.72 profile wheels look very fine and the usual 'N' gauge coupling units are mounted in NEM pockets.

As well as the etched horn grilles already mentioned, Dapol has included numerous buffer-beam detail parts for the modeller to fit. Also included is a small sheet of waterslide numbers to allow the cars to be depicted as 252001 or 252002.

There were only ever two prototype HST power cars - and one of those was scrapped three decades ago - so most 'N' gauge enthusiasts probably never dreamt they'd see a ready-to-run version. Dapol is to be hugely applauded for proving them wrong with a fine model of a stylish, historic and visionary train.

Get your order in quick, for production numbers are strictly limited! **(BA)**

REVIEW VERDICT

PROS. High-quality model of an iconic and historic vehicle.

CONS. Little of note.

LOOKS 9/10

PERFORMANCE 9/10

FEATURES 9/10

DECORATION 9/10

VALUE FOR MONEY 9/10

90%

DAPOL HIGH SPEED DIESEL TRAIN PROTOTYPE TWIN PACK

OVERVIEW		DIMENSIONS		PROTOTYPE	1:148 SCALE	MODEL
Manufacturer: Dapol	Body: Plastic	Length	56ft 4in	116.0mm	115.8mm	
Ref. No. 2D-027-001	Chassis: Alloy with plastic parts	Height	12ft 10in	26.4mm	26.4mm	
Locomotive Nos. 41001, 41002	Weight: 81g	Width	9ft 0in	18.4mm	18.5mm	
Scale/gauge: 1:148 scale, 9mm gauge 'N'	Min. curve radius: R1 (263.5mm)	Wheel diameter	3ft 3in	6.9mm	6.9mm	
	Wheel back-to-back: 7.3mm	Bogie wheelbase	N/A	N/A	N/A	
ELECTRICS		SERVICING				
Electrical system: 12V DC two-rail	Lights: White headlights, tail light.	How to dismantle: Unclip body and lift carefully away. Where to oil: Pull-out bogies and oil worm/drive gear.				
Motor type: Five-pole	DCC ready: Yes, with Next18 socket					
MECHANISM						
Drive system: Power to both bogies via Cardan shafts	Flywheel(s): Yes Traction tyres: No					



System builder

Other items to complement this model...

PROTOTYPE COACHES

Dapol has tooled new Mk 3 coaches to reflect the differences the prototype vehicles had over the production versions. These include recessed door handles, a lack of window bezels and different roofs. Saloon Pack No. 1 contains Trailer Firsts 11000, 11001 and Trailer Seconds 12000 and 12001. Product code: 2P-007-001 Price: £120.00 Availability: www.dapol.co.uk

SALOON PACK

You'll also need the Saloon Pack No. 2 that contains Trailer Firsts 11002 and 11003 and Trailer Seconds 12002 and 12003. Product code: 2P-007-002 Price: £120.00 Availability: www.dapol.co.uk

COMPLETE THE SET

Bring your prototype HST up to its full length with Dapol's Buffet Pack, which contains Trailer Buffet 10000 and Trailer Kitchen 10100. Please note that these are standard Dapol Mk 3s painted in the prototype livery and don't incorporate any tooling changes. Product code: 2P-007-003 Price: £50.00 Availability: www.dapol.co.uk



Cavalex BBA steel carrier

◆ GAUGE '00' ◆ MODEL Cavalex BBA01 BBA steel carrier wagon ◆ PRICE £45.00 ◆ AVAILABILITY Cavalex Models Web www.cavalexmodels.com

British Rail's key steel-carrying wagon of the air-braked era was the BBA, with over 500 examples built at Ashford Works between 1974-1981. Featuring a 50ft underframe, a 75t payload and a stepped, perforated deck, the wagons were designed with the carriage of hot steel slab, strip or coil firmly in mind.

Employed on traffic between various British Steel works, the wagons soon became a common sight on the South Wales main line and Marches routes, as well as the West Coast Main Line between Crewe and Ravenscraig (North Lanarkshire). They could also be found on flows emanating from Shotton (North Wales) and between Teeside and Corby, being hauled by a variety of BR traction, especially Classes 37, 56 or 60, as well as pairs of Class 20s. Long-distance haulage over the WCML could also feature Class 86/87/90 traction.

Along with the similar – but shorter – BAA, many BBAs have remained in service long after privatisation, with EWS and, more recently, DB Cargo maintaining a fleet in frontline service. Various modifications

have been carried out over the years, including the fitting of new bogies and load decks, with a variety of TOPS codes being allocated across the fleet to reflect the changes in specification.

CONTINUING SUCCESS

Cavalex's debut model – the PGA aggregate hopper – garnered wide acclaim and this second release not only provides modellers with the chance to recreate another important prototype, but also boasts plenty of detail to admire.

The first thing that grabs the attention is the etched decking, which features super-fine perforations and the correct corrugated profile. The chassis frames and the distinctive reinforced ends are rendered in metal, giving the vehicle a satisfying amount of mass while maintaining a delicate profile.

The plastic bogies are exceptionally well produced, featuring crisply moulded relief and they even include the brake callipers, which enclose each wheel. The wheels themselves also feature

brake disc detail to their external and internal faces. The prototypically shaped bolsters add an extra touch of class, allowing the bogies to pivot and rotate freely. Performance is ultra-smooth, the axles being extremely free-running and the brake callipers don't impede the axles in any way. Handbrake discs are etched metal and the NEM coupler pockets are discreetly incorporated into the outer framework.

Beneath the chassis, there are various brake reservoirs and actuator gear, all linked together with an impressive array of pipework and the Oleo heavy duty buffers are sprung. A slight disappointment is the pro-

nounced mould seams across each buffer head which would greatly benefit from a little work with a flat needle file. Separate lamp brackets and grab handles adorn the ends and a full complement of vertical stanchions is pre-installed along the outer edges of the load deck.

Livery application is top-notch, with the orange-red ends capturing the distinctive prototype shade accurately. The various TOPS panels, instruction legends and Railfreight logos are all neatly applied, although the raised builders' plates have been left unadorned.

A small bag of extra detail



“Livery application is top-notch, with the orange-red ends capturing the distinctive prototype shade accurately”



NEM coupler pockets

fittings is supplied, including a spare set of brake calipers (to help with 'EM'/'P4' conversion) and extra vertical stanchions, plus brake hoses and cosmetic screw couplings. Thoughtfully, Cavalex has also included a pair of blanking plates for the NEM pockets, which tidies up the appearance of a wagon that has been shorn of its tension lock couplers; just the thing for the end of a fixed rake.

As well as this BR Railfreight black/red scheme, the BBA is also being offered in the original freight brown livery. The BLA variant, which features large steel coil-carrying cradles, has also been reproduced by Cavalex, as an exclusive

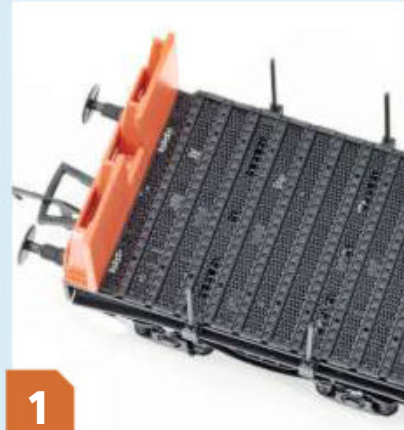


model for Rails of Sheffield. Considering the amount of development work that has gone into this model, as well as the high level of finesse in its production, the Cavalex BBA offers superb value for money, especially in today's market. It's sure to be

popular and, with the addition of a suitable load and a grimy weathered finish, it'll make for an eye-catching addition to a late BR-era layout. 'N' gauge modellers will be interested to know that a 2mm-scale version is currently in development. (GD)



3 things we like



1

See-through mesh decking.



2

Brake discs and calliper detail.



3

Brake pipes and equipment.

REVIEW VERDICT

PROS. Superb level of detail, excellent value, Important prototype.

CONS. Mould seams on buffers.

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

95%



Murphy Models 121 Class

◆ GAUGE 'OO' ◆ MODEL Murphy Models MM0135 121 Class Bo-Bo B135, CIÉ grey/yellow ◆ PRICE £27.50 ◆ AVAILABILITY Murphy Models stockists

Another month, another 'OO' gauge '121' to review. But if you were worried that a third manufacturer had followed Dapol and Bachmann, you can rest easy. What we have here is as far removed from BR's Pressed Steel railcar as it's possible to be. This is Coras Iompair Éireann's 121 Class, a historical turning

point in Ireland's railway history, for it was its first main line diesel to be built in the USA, paving the way for all subsequent Irish main line diesel locomotives. It's also a fitting way for Murphy Models to complete the quartet of ready-to-run US-built Irish diesels in 'OO'.

In today's world, where anyone with enough money can commission a ready-to-run

model, it's easy to forget that Murphy Models was a pioneer in that field. It first worked with Lima in 2003 to produce the 201 Class and then joined forces with Bachmann in 2007/2008 to offer the 141/181 Class. Since then, it's gone direct to China for its locomotives and coaches. MM's standards are incredibly high, so a new model is always eagerly awaited.

The wait for the '121' has been long but, once you've lifted the model out of its web of foam packaging, it immediately impresses. Viewed with British eyes, CIÉ's grey and yellow livery looks a bit odd, but it can't hide the design's US switcher origins.

The shape looks spot on, from the angled nose to the way that the bonnet dips down towards the cab. That cab 'face' set the



21-pin DCC socket

standard for the look of all subsequent Irish diesels, and the model really captures that character.

CLEAR ADVANTAGE

The glazing reveals a well-finished interior and doesn't suffer from any prismatic effects. In fact, the black paint around the edges, to simulate the rubber seals, is fabulously fine and perfectly executed. The icing on the window cake is the beautiful metal wipers.

There are so many eye-catching features. The tablet-catching equipment on the cabside is a separately fitted item, and though arguably a little under-nourished, it is commendable that this hasn't been moulded as part of the cabside. Hand and grab-rails are a mixture of thin plastic and metal wire and all look great, particularly the correctly angled rails on the cab nose. There are also, correctly, grab rails on one of the large bodyside grilles on one side and not on the other.

That leads us nicely on to the subject of those grilles. They are some of the finest etched items we've seen on a 'OO' gauge diesel and, with one on each side, they let in a huge amount of daylight. They're complemented by a chequer grille on the bonnet

that's just as finely etched. The problem, however, with letting so much light inside is that the drive to the bogie gear towers and the bogie mounts is visible. It's difficult to tell from prototype photographs of '121s' in this livery whether the grilles are painted black or that it's an optical effect caused by the darkness from inside the bonnet.

Given how fine the etched grilles are, it's a shame that the louvres on the body and on the solebars lack a little depth and the footsteps are a touch on the thick side. The shape and finish of the door louvres is not correct, but that and the fact that the lamp irons are missing front and rear are the only disappointing aspects of the model.

The good work continues below solebar level. The distinctive bogie frames are beautifully moulded with the spring detail clear and visible. Brake linkages are separately fitted and if you do catch one with an errant finger, they are easy to pop back into place.

The axle ends rotate and there's plenty of space between the bogie frames to fit prototypical 21mm gauge axles. Although the wheels look odd, spaced to 16.5mm gauge 'OO', the wheel flanges are very fine and put those from more established manufacturers to shame!

NEM pockets are fixed to the bogies and move as they move. There are holes in the valances and blanking panels are included

“The wheel flanges are very fine and put those from more established manufacturers to shame!”

in the bag of bits for those who want to replace tension locks with three-link couplings.

The bag contains several finely made parts, from coupling hooks to lamps. Sadly, the brief instruction sheet doesn't explain where all these pieces go.

As one would expect, not only from a 21st-century diesel model but also a product from Murphy Models, the '121' has a full suite of lighting and sound options. Three white marker lights are illuminated when moving forwards, along with the two high-intensity headlights, and there is a prototypical difference in the amount of light that is chucked out. A single red shows and is very effective.

LIGHT TOUCH

One very neat touch is how you access the inside. The exhaust/silencer unit clips in place and, removing it, reveals a bank of tiny switches. Once you've removed the protective yellow film, these switches allow non-DCC users full control over the lights.

Prise the surrounding panel away and you get full access to the 21-pin decoder socket. Murphy Models has developed a bespoke decoder and sound decoders, due to the fact that there's not a lot of space inside the narrow bonnet. It's worth pointing out that problems caused by using non-MM decoders are not covered under the warranty. ➤

Performance

Brass wipers press against the wheel backs and transfer current to the centrally mounted can motor. There are Cardan shafts to gear towers on each bogie.

The mechanism is to the standard one would expect nowadays, and was silent and smooth straight from the box. There's oodles of power too, and our sample easily handled 13 Hornby and Bachmann bogies coaches around the level sections of the *Model Rail* test track, dismissing the complex area

3 things we like



1

Cab interior includes lots of printed dials.



2

There's even separately fitted pipework on the fuel tank between the bogies!



3

The radiator filler sticks out from the nose, just like the prototype.

of tight pointwork and crossovers with ease. Adding a motor-less Bachmann Class 66 to the rear of the train caused some minor slippage but, other than that, it didn't impinge on B135's progress on level track.

Moving onto our 1-in-30 incline, B135 comfortably handled four coaches and then six. Eight bogie coaches caused some minor slippage but we couldn't add any more coaches to the train as B135 was dragging them off the track on the very tight curves!



Murphy Models 121 Class - in detail

Factfile: CIÉ 121 Class

The Great Northern Railway (Ireland) jointly owned by Ulster Transport Authority and CIÉ, operated cross-border services until it went bankrupt in 1958; both parent organisations quickly took control of their respective lines. CIÉ had started to replace steam with diesel in the mid-1950s and now, faced with replacing steam locomotives for which it hadn't budgeted for, it hurriedly placed an order with General Motors for 15 Bo-Bo diesel electrics.

The result were typical North American 'switchers', with a long, narrow bonnet and a single cab, but with a top speed of 77mph. The body was modified to fit the smaller Irish loading gauge and the bogies were modified to suit Ireland's lower axle loading. It was GM's first European export order.

The 'B Class' machines - later classified '121' - entered service in 1961. They were a vast improvement from CIÉ's questionable British diesels. The only issue was the single cab ('121s' were regularly turned on turntables) so CIÉ ordered a twin-cab version (the '141' Bo-Bos) in 1962. Thus, all subsequent diesels were built by GM.

The '121s' became the prime motive power for CIÉ's six-coach push-pull outer suburban trains from 1984 until the 201 Class entered service in 1994. Withdrawals started shortly afterwards, but the last two '121s', 124 and 134, survived until 2008. They are the only survivors: 124 is owned by the Irish Traction Group and 134 is part of the Railway Preservation Society of Ireland's collection and is under restoration at CIÉ's Inchicore Works.

RECOMMENDED READING

◆ *Locomotives Compendium Ireland*
by Colin Boocock (Ian Allan, 2009)



1: B121 carries CIÉ's grey/yellow livery as it shunts Mullingar in June 1961, shortly after delivery from General Motors. The class were delivered with 950hp 8-567 engines and louvres on the solebar but no solebar handrails. COLOUR RAIL



2: '121s' 124 and 122 stand at Limerick with a railtour on September 13 1986. Work had started to equip the '121s' with 1,100hp engines. The solebar handrails are visible, as are the multiple working sockets just above the buffers. BERT WYNN/RAIL PHOTOPRINTS



3: Iarnród Éireann started to refurbish the '121' fleet in 2001/2002. 124 has lost its solebar louvres and has had two cab front windows plated over. Only 123, 124, 131 and 134 were refurbished before CIÉ decided to withdraw the '121s' instead. COLIN BOOCCOCK

System builder

Other items to complement this model...

SOUND

Bring your '121' to life with a Murphy Models sound decoder (rrp £122.91). Or, if you don't want sound, a standard MM decoder costs less than £35. **Availability:** www.irishrailwaymodels.com

ROLLING STOCK

With Murphy Models' Irish-liveried Lima Mk 3s thin on the ground, why not recreate the Limerick push-pull services with MM's Mk 2Ds instead? **Price:** £52.25 each **Availability:** www.kernowmodelrailcentre.com



ACCESSORIES

Control your '121' with the excellent range of Irish signals, both semaphore, colour light and ground, from Studio Scale Models. Prices start from €7. **Availability:** www.studio-scale-models.com



REVIEW VERDICT

PROS. Another Murphy classic: good looks, fine attention to detail, great features.

CONS. Some minor niggles.

LOOKS	8.5/10
PERFORMANCE	10/10
FEATURES	10/10
DECORATION	9/10
VALUE FOR MONEY	9/10

93%

MM's factory has applied CIÉ's curious yellow and grey livery well and you can easily overlook the fact that the handrail knobs on the bonnet ought to be grey. CIÉ's 'flying snail' logo and the running numbers are the right size and weight and the tiny General

Motors worksplate brings a welcome – though incredibly tiny – splash of colour.

The quality of Murphy Models' locomotives and coaches can tempt even the most ardent of British-outline steam enthusiasts to consider modelling the Irish diesel scene – and the '121'

makes it even harder to resist that temptation! Its competitively priced, good looking and performs superbly. What else could you ask for? Get your order in quick because the '121s' are unlikely to hang around for long.

And it begs the question: what will Murphy Models do next? **(RF)**



MURPHY MODELS 121 CLASS

OVERVIEW

Manufacturer: Murphy Models
Ref. No. MM0135 Unit No. B135
Scale/gauge: 1:76 scale, 16.5mm gauge 'OO'

ELECTRICS

Electrical system: 12V DC two-rail
Motor type: Central can
Lights: Directional

MECHANISM

Drive system: Cardan shafts to bogie gear towers

Body: Plastic with metal parts
Chassis: Metal with plastic parts
Weight: 339g
Min. curve radius: R2
Wheel back-to-back: 14.4mm

DCC ready: 21-pin socket
CURRENT CONSUMPTION
Max. speed: 0.4A Stalled: 0.7A

Flywheel(s): No
Traction tyres: No

DIMENSIONS

	PROTOTYPE	1:76 SCALE	MODEL
Length (over buffers)	39ft 10¼in	160mm	160mm
Height	N/A	N/A	54mm
Width (over footplate)	N/A	N/A	34.6mm
Wheel diameter (driving)	3ft 3in	12.8mm	12.8mm
Wheelbase	N/A	N/A	31.96mm

SERVICING

How to dismantle: See instructions

Where to oil: Factory lubricated; instructions suggest further lubrication after running-in.



NEM pockets

Graham Farish HKA bogie hoppers

◆ **GAUGE 'N'** ◆ **MODEL** Graham Farish 373-812 HKA hopper, National Power debranded and weathered; 373-813 HKA hopper DB Schenker red
 ◆ **PRICE** From £45.95 ◆ **AVAILABILITY** Graham Farish stockists

National Power, the owner of Drax power station, joined Foster Yeoman and ARC in operating its own trains in 1994. It too ordered Class 59s from General Motors but it also needed its own wagons and, therefore, placed an order for 85 large bogie coal hoppers in 1995, which were delivered from Powell Duffryn's French factory. These wagons, coded JMA under TOPS, were later used as the basis for Freightliner's new-build bogie coal hoppers.

In 1998, the National Power fleet was acquired by EWS and, as coal traffic has declined, the JMAs have been used more widely for carrying aggregates. The National Power logos, on

the centre of the bodyside, were patch-painted out. A batch were given improved bogies in 2009 and recoded HKA; they were otherwise left unchanged.

HKA conversions carried out from 2014 also included the bodies being refurbished and given a new coat of DB Schenker red. At this time, they were also given an additional **RIV international series** number and given both the TOPS code HKA and the UIC code 'Fabnooss'.

Graham Farish has long had the Freightliner version of the JMA design in its range. However, it hasn't simply fitted new bogies to the existing tooling; to truly do justice to the HKA, it's produced new body

mouldings as there are numerous subtle differences between the two types. Farish's Freightliner HHA is still a superb model even though it's 13 years old and the new HKA continues to maintain the high standards both in terms of shape and

appearance but levels of detailing.

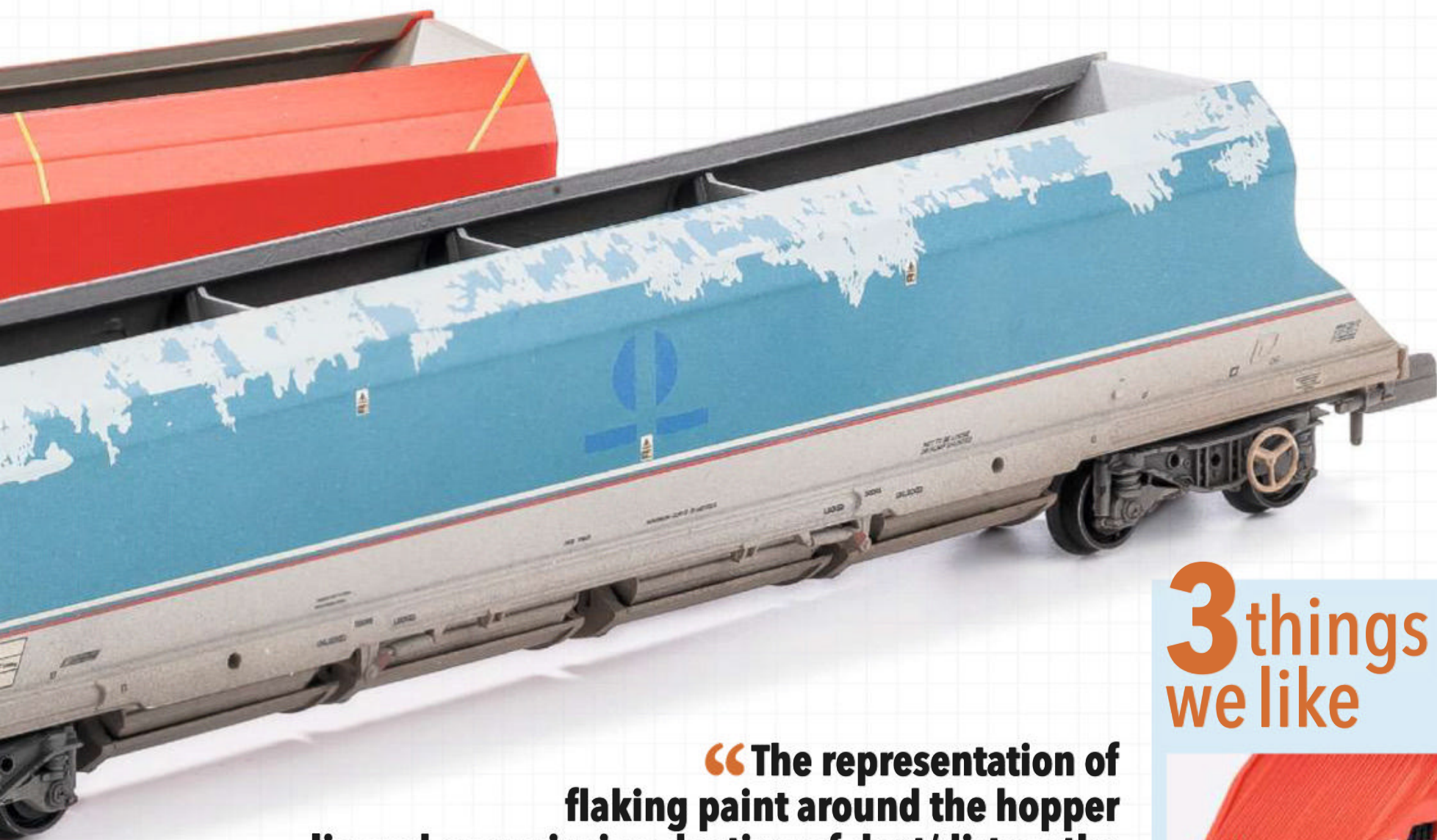
While the DB red model is certainly eye catching, the weathered

debranded National Power version is really quite superb. The representation of flaking paint around the hopper lip and a convincing dusting of dust/dirt on the bogies and lower bodysides is absolutely

fantastic and, with an RRP of £49.95, only costs just a few pounds more than the 'pristine' version. The only missing decoration is the contrasting maroon colour on the bogie axleboxes.

A Europe-wide standard method of numbering railway rolling stock.





“The representation of flaking paint around the hopper lip and a convincing dusting of dust/dirt on the bogies and lower bodysides is absolutely fantastic”

FAULTLESS RUNNING

Under test, the HKAs ran faultlessly and with no perceptible wobbling. The couplers are mounted in NEM pockets mounted on the bogies and there is no close-coupling mechanism.

When built, the prototype wagons were either configured as ‘outers’, with conventional drawgear and buffers, or ‘inners’ with buckeye couplers. As supplied, these models represent ‘inners’, however also included is a bag of detail parts including cosmetic couplers, operating levers, air pipes and push-fit buffers to enable the models to depict ‘outers.’ An



instruction sheet is also provided to illustrate where these parts can be fitted.

The result is another excellent modern wagon with high levels of detailing and superb livery rendition. **(BA)**



REVIEW VERDICT

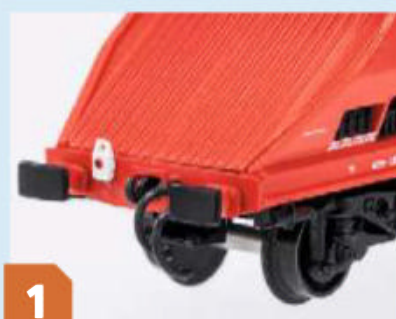
PROS. Impressive and useful addition to the array of modern freight wagons.

CONS. Little of note.

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

90%

3 things we like



1

Also included is a delightful, fully painted tail lamp which, although not functional, will enhance any wagon marshalled at the rear of the rake.



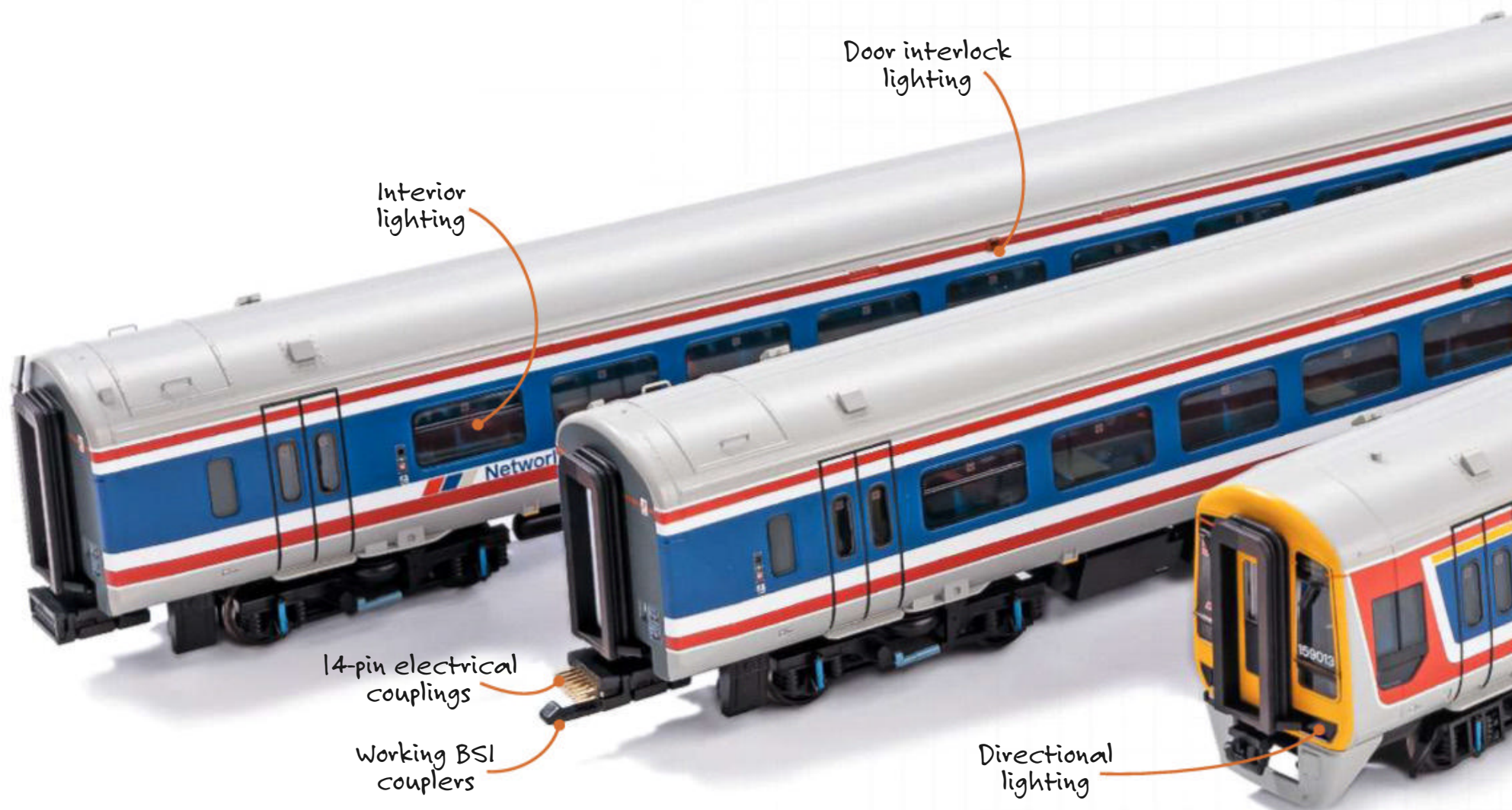
2

The level of underframe detailing is excellent, especially around the discharge chutes.



3

The standard of printing is very high, with all but the very smallest lettering legible.



Bachmann Branchline Class 159

◆ GAUGE '00' ◆ MODEL Bachmann Branchline 31-520 Class 159 DMU 159013, Network SouthEast livery ◆ PRICE £339.95 ◆ AVAILABILITY Bachmann stockists

It's all very well a manufacturer saying that it's going to produce an all-new version of 'X' but sometimes that's easier said than done. So it was when Bachmann decided to produce a new version of its Class 158. This new model has been designed from the ground up, although not without its headaches, for it took eight years to arrive on the shelves.

Unwanted as that timescale might have been for Bachmann, the result was worth it and George Dent and Chris Gadsby found much to praise in their review in the April 2020 issue

(MR272). The shape, the finish, the features; the '158' scored highly in every category.

But while Bachmann's design team were hard at work producing the definitive 'Express Sprinter', why not go the whole hog and produce the '159' too? Well, that's exactly what Bachmann did and here it is. Superficially the same model, we decided that we'd like to cast an eye over the '159' and Bachmann very kindly loaned us 159013 in the striking colours of Network SouthEast.

NSE started to struggle with the unreliability of its Class 50s on services beyond Salisbury to

Exeter in the 1990s. Of all the possible solutions, the most economical was to add 22 three-car sets to the Class 158s that Derby Litchurch Lane Works was churning out by the dozen. The problem was that NSE demanded a higher quality interior and larger First Class saloons than BREL was fitting into the '158s'. NSE was forced to choose an outside contractor and Babcock at Rosyth Dockyard undertook the upgrade, which also fitted retention toilets as the originals were unsuitable - flushing onto the live third rail was a bad idea!

Suitably modified for their

new, long-distance role, the '159s' entered service in 1993. They were joined by eight Class 159/1s in 2006/07.

Visually, aside from the different TOPS numbers, the only clue that this is a '159' is the orange First Class band above the windows on Driving Motor Composite 52885. First Class accommodation was installed during the conversion process. On the windows are tiny First logos. Look inside and the First Class seats are painted red, whereas Standard Class seats are blue. However, the model retains the 2+2 First Class seating of the





Plux22
DCC socket

“The underfloor mechanism is a work of engineering genius”



Class 159 159013 approaches Paignton on June 12 1994. As Network SouthEast couldn't agree a deal with BREL to modify the Class 158s to '159' specification, the work was carried out by Babcock at Rosyth shipyard in Scotland. A new depot in Salisbury was created to service the new trains. COLOUR RAIL

'158' rather than the 2+1 seating that NSE specified.

The '159' also gives us the opportunity to study a Motor Standard centre car. Unlike the real thing, it's unpowered but the underframe bristles with beautifully moulded engine, transmission and ventilation gear.

The centre car shape looks spot on and compares well to photographs in *Modern Locomotives Illustrated* No. 190. It certainly matches the high standards set by the two Driving Motor cars. The roof features the same separately fitted ventilators and access hatch handrails and, while the non-exhaust end looks particularly bare, it matches prototype photographs.

FACE VALUE

Everything else is as per our Class 158 review. The 'face' looks absolutely spot on, the underfloor mechanism is a work of engineering genius and the way the engine/transmission unclips to reveal the Plux22 decoder interface is incredibly user-friendly. It also has the 14-pin coupling system, just like the '158', with a special coupling tool. In fact, you know you're looking at truly excellent model when the

only discrepancy you can spot is that the hatch on the valance that hides the multiple working socket is raised when it should be flush!



Network SouthEast livery looks striking on any train and the '159' is no exception. Bachmann's rendition looks effective, although the lower band of grey looks a lot darker than images in MLI suggest that it ought to. That said, the colours are beautifully applied with razor-sharp lines between the various shades.

Modern image 'OO' gauge Southern Region modellers may not have an awful lot of choice when it comes to ready-to-run models, but Bachmann has thrown them a considerable bone with the Class 159. It might not be 100% perfect, but it's one hell of a model and several ought to grace any 1990s and 21st-century layout depicting the South Western main line from London to Exeter. (RF)

3 things we like



1

All but the very smallest lettering is legible, albeit from under a glass.



2

The central door locking lights can be illuminated.



3

The working BSI couplers are mounted on cams.

REVIEW VERDICT

PROS. Looks, high-quality finish, lots of fine detail, superb performance.

CONS. Little of note.

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

89%

Peco FR 'Small Birmingham'

◆ **GAUGE** '009' ◆ **MODEL** Peco GR-551 'Small Birmingham' First, FR green ◆ **PRICE** £27.50
◆ **AVAILABILITY** Kernow Model Rail Centre **Tel** 01209 714099 **Web** www.kernowmodelrailcentre.com



NEM pockets

The Ffestiniog Railway has some of most recognisable locomotives around. It is, therefore, easy to overlook the fact that some of its coaches are just as distinctive... and interesting. It's often forgotten, for example, that the first bogie coaches in Britain to enter revenue-earning service were those of the FR.

The news that Peco has joined forces with Kato to produce both the England 0-4-OSTTs and the 'Double Fairlies' will, no doubt, have delighted narrow gauge enthusiasts. It has, arguably, also overshadowed the fact that Peco has planned an extensive range of FR coaches.

The first of that range to arrive is one of the most recognisable - the famous four-wheel 'Bug Boxes'. It is believed that record-breaking Eastern Region driver and long-time FR volunteer Bill Hoole gave these wonderfully idiosyncratic vehicles their nickname but they're more correctly known as 'Birminghams' or 'Small Birminghams'.

It's easy to see where the 'bug box' sobriquet came from. They're just 10ft long and 6ft 3in wide and the fact that the floor is

just 8in above the rail only adds to their tiny, box-like nature. The wheels and underframe were tucked up inside the frames and the passengers sat back-to-back on a knifeboard seat.

Peco has done a good job to recreate the 'Bug Box's' distinctive shape. The wheels tuck neatly up inside the body and those bowed ends are well moulded (the coach sides were 9in shorter than the overall length!).

The six 'Small Birminghams' were delivered by Brown, Marshall & Co. in 1864 and comprised two closed Firsts and four closed Thirds. Our review sample depicts a closed First. Both Firsts, Nos. 1 and 2, were rebuilt as open observation cars. No. 1 was scrapped but No. 2 was restored to First Class standard in the 1990s.

James I.C. Boyd describes the Firsts as having two windows flanking a central door, whereas No. 2, after its preservation rebuild, has a pair of windows each side of the door. This is how Peco has modelled the coach, although our sample is finished in the 1950s livery of green and

Author of *The Festiniog Railway*
Vol. 2 (Oakwood Press)

ivory with red ends, when the real No. 2 was still an observation car.

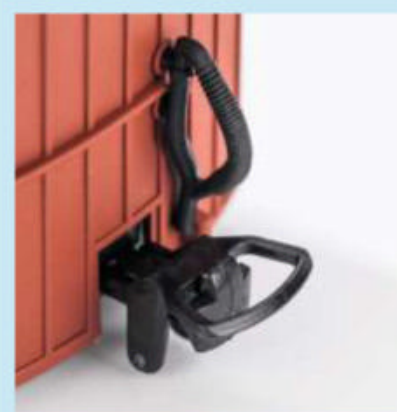
The paint finish on this 'Bug Box' is good and the Ffestiniog emblem looks OK from normal view distances but doesn't stand up to close scrutiny.

The bogies on Peco's Lynton & Barnstaple coaches (MR189) are also tucked under the body and can be a bit tricky to put on the track. However, despite having an even more exaggerated 'tuck', this 'Bug Box' was easy to place on the rails. Despite its feather-weight, it ran well and also coped well with Peco's '009' 'Crazy Track' and Electrofrog points.

Anyone familiar with Peco's narrow gauge stock will know what you get for your money. These are well moulded but simple models with a modicum of moulded detail and a decent paint finish, but they're not the all-singing, all-dancing products you get from China.

That said, the mouldings are clear and crisp and the overall effect is convincing. And that's one isolated coach sat on a desk. Just imagine a rake of them bumping along behind a 'Double Fairlie' on a 4mm:1ft scale take of one of Wales' most spectacular narrow gauge railways. **(RF)**

3 things we like



1 Bemo couplers mounted in NEM pockets.

2 Vacuum pipe mouldings are effective.



3 Roof can be prised away to access the interior.

REVIEW VERDICT

PROS. Decent looks, effective finish, made in Britain.

CONS. First's body shape not 100% accurate for chosen livery.

LOOKS	8/10
PERFORMANCE	9/10
FEATURES	7/10
DECORATION	8/10
VALUE FOR MONEY	9/10

82%

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

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

OO9/HOE IN STOCK

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

NEW RELEASE

R3857 LMS Coronation	£170.99
R3941 BR 9F 92219	£98.99
R3942 BR9F 92212	£98.99
R3725 BR Late 41xx	£119.99
R3884 CI 60 DB Cargo 60100.....	£161.99
R3885 CI 60 DB Cargo 60062.....	£161.99
R3901 CI 60 Colas	£161.99
R3906 CI 47 GBRf	£67.45
R3886 CI 66 DRS	£66.95
R3920 CI 66 Malcolm	£66.95
R3921 CI 66 Freightliner	£66.95
31-664 Cl. 47 Railfreight	£152.95
35-526 CI 121 Blue/Grey.....	£131.70
35-527 CI 121 Network Southeast.....	£131.70

HORNBY		
R2744	Schools Blundells BR.....	£84.95
R2917	2800 Class BR.....	£103.99
R3004	Serlby Hall	£116.45
R3233	LNER D16	£100.95
R3235	British Railways D16.....	£100.95
R3242A	K1 BR Early.....	£116.95
R3243B	K1 BR Late	£116.95
R3329	BR Late S15	£123.99
R3327	SR S15.....	£123.99
R3333	BR Early Adams.....	£107.95
R3334	BR Late Adams	£107.95
R3407	BR J50	£78.50
R3411	SR S15.....	£125.95
R3413	S15 BR Late	£119.45
R3420	BR 700 Class.....	£99.45
R3421	BR 700 Class.....	£99.45
R3422	Adams SR.....	£109.45
R3423	Adams BR.....	£109.45
R3426	BR Late Q6	£125.45
R3432	B12 BR Late	£127.95
R3414	LNER J15	£99.45

Mail Order Service

All prices valid to 31.12.20.
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.

R3586	BR Schools Class	£75.99
R3588	LNDR B17	£76.50
R3612	'Mallard' 80th Anniversary Gold Plate Edition	£183.99
R3614	LMS Patriot	£129.45
R3621	LNDR J36	£125.75
R3622	BR J36	£125.75
R3631	BR H Class.....	£116.95
R3634	SR Lord Nelson class.....	£152.95
R3630	LNDR A4 'Woodcock'	£135.99
R3676	LNDR A4 'Mallard'	£151.50
R3681	LMS Duchess.....	£184.00
R3682	BR Duchess	£184.00
R3727	LMS PUG.....	£63.00
R3728	BR PUG	£63.00
R3729	LNDR O1	£98.99
R3767	BR Terrier.....	£80.75
R3780	LBSCR Terrier Stepney	£80.75
R3781	K&ESR Terrier.....	£80.75
R3782	SECR Terrier.....	£80.75

Train Packs/Sets		
30-047	Whiskies Galore set.....	£280.45
30-285	The Midlander Set	£178.45
R1180	Postal Express Set.....	£124.45
R1230	GWR HST train set.....	£119.99
R2372m	Royal Dutchey Pack.....	£95.00
R2815	Southern Suburban Ltd...	£159.00
R2986	Date with the Duchy	£179.90
R3093	Tornado Train Pack	£116.99
R3299	1945 Going Home	£259.45
R3399	EWS Freight train pack ...	£184.99
R3402	Queen of Scots pack	£263.99
R3670	72xx Freight pack.....	£138.95
R3671	K1 Freight pack.....	£128.95

HORNBY Diesel Electric Locomotives		
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
R3290A	BR 2 Hal Green	£113.90
R3262	Class 31 DCR	£142.45
R3473	Class 56.....	£135.99
R3485	Class 08 Laira Blue	£109.45
R3573	Class 66 GBRF.....	£79.45
R3577	Sentinel graham.....	£58.00
R3580	BR Class 87	£139.40
R3582	Class 87 'King Arthur' Intercity	£139.25
R3685	GWR HST.....	£261.00
R3657	Class 60 Loadhaul.....	£162.00
R3659	Class 67 Colas.....	£144.00

R3704	R&H 48Ds Rustons Works. £71.99
R3705	R&H 48Ds Dewars..... £71.99
R3706	R&H 48Ds Army £71.99
R3707	R&H 48Ds Longmorn..... £71.99
R3739	Class 87 BR Blue £153.89
R3742F	Class 92 DB Romania..... £98.99
R3741	Class 92 GBRF..... £76.50
R3757	Class 47 Prince William £64.00
R3758	Class 47 Prince Henry £64.00
R3760	Class 59 GBRf..... £67.99

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
R8261	4th Radius Curve.....	£1.85

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

HORNBY Trackside		
R460	Straight Platform	£3.45
R462	Large Curve Platform.....	£3.45
R463	Small Curve Platform.....	£3.45
R464	Platform Ramp.....	£3.45
R495	Platform Subway	£3.45
R510	Platform Shelter	£10.95
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
32-002A	BR Hall Black weathered.	£140.20
31-003A	Robinson 04 LNER	£110.45
32-007	GWR Hall	£135.95
31-015	Class 7F LMS Black.....	£125.75
31-088	BR Black Earl	£118.95
31-127	CL3000 BR ROD	£118.45
31-128	BR ROD Weathered	£102.45
31-136	DC D11/2 BR	£115.90
31-318A	LNER J11	£127.45
31-434	Class 1f BR Early.....	£81.55
31-435	Class 1f BR Early	£81.55
31-462A	C Class BR Early.....	£106.20
31-465	C Classs BR	£93.46
31-480	Class G2A LMS	£101.95
31-481	Class G2A BR Early	£114.70
31-614	V3 BR Late	£110.45
31-628	DC 3F BR Black Weathered	£93.20
31-691	BR Early Stanier Mogul ...	£135.95
31-761	GNR Atlantic.....	£169.95
31-921	BR H2 Atlantic.....	£161.45
31-932	DC BR Compound	£127.75

31-933	BR Compound Late Crest	£112.88
31-980	Standard 3MT Green	£110.45
32-154A	N Class BR Black weathered	£99.10
32-176	BR Crab.....	£123.20
32-178A	LMS Crab	£123.20
32-550B	Tornado BR Green	£127.95
35-050	LNWR Coal Tank.....	£101.95
35-051	LMS Coal Tank	£101.95
35-052	BR Coal Tank.....	£101.95

BACHMANN Diesel/Electric Locomotives		
31-040	SWT Class 450	£271.95
31-041	SWT Class 450 wthd	£297.45
31-575	Windhoff MPV NWR	£104.00
31-576DC	Windhoff MPV NWR	£114.00
31-577	Windhoff Railtrack	£104.00
31-664	Class 47 Railfreight weathered	£152.95
32-610	Class 90 Intercity	£152.95
32-928	Class 150 Sprinter	£135.95
32-937	Class 150 Centro	£127.45
32-992	Wickhams Trolley Yellow ...	£67.95
32-993	Wickhams Trolley Yellow ...	£67.95
32-994	Wickhams Trolley Green ...	£76.45

DAPOL/OXFORD/HELJAN/DJM		
GV2013	Janus British Steel	£92.45
DJM00J94-SPI	NCB J94.....	£99.75
OR76 DG001	GWR Dean Goods	£88.95
OR76DG005	Dean Goods w.snowplough	£94.50
OR76AR005	Adams East Kent.....	£84.45
OR76AR006	Adams SR.....	£84.45
3526	Hymek BR Green	£110.45
9005	Metropolitan No 19.....	£106.95
9006	Metropolitan No 6 William Penn	£106.95
H1303 1361	BR Early	£122.45
H1304 1361	BR Late.....	£122.45

**LARGE RANGE
OF QUALITY
SECOND HAND
MODEL RAIL
IN STOCK**

Mini Test

Every month, we test five modelling products to help you make the most informed choices

Making rocks

Peter Marriott examines the variety of products available for modelling rockfaces and cliffs.

There are several methods of making rocks, rockfaces and cliffs, including Polyfilla or other plaster products sculpted with a knife, and cork bark pieces. If cork bark is bedded into the landscape with foliage, plaster and talus (small rocks) it can be quite effective. Usually it

is best to colour the bark using thin washes of acrylic paints, watercolours or modelling dyes. Most proprietary products are easy to work with and the results can be good. Some products are best for portable layouts because they are lightweight and they're suitable for virtually all scales.

1 Woodland Scenics Hydrocal and moulds

PROS Moulds mean little mess. **CONS** Easy to add too much water.

Product Woodland Scenics Rocks Learning Kit

Price: £19 **Availability** Woodland Scenics stockists

MODEL RAIL
BEST RANGE

Rock pieces of varying sizes can be made using Woodland Scenics Lightweight Hydrocal powder and Rock Moulds. The moulds are flexible rubber pieces that are shaped into different rock shapes. They are sold in numerous shapes and sizes. Simply pour the mixed Hydrocal powder into the mould, leave it to dry for a while then take out a hardened piece of Hydrocal that mirrors the mould. I find that making rocks with these products is simple and the end product is very good indeed. One word of caution – do not add too much water to the Hydrocal powder because it may never set properly.



Ease of use	★ ★ ★ ○ ○
Good results	★ ★ ★ ★ ○
Value for money	★ ★ ★ ○ ○

2 Noch Winkle Rocks

PROS Very quick to create.

CONS Very expensive for what it is.

Product Noch Winkle Rocks **Price** £15.75 per sheet **Availability** Noch dealers

This recently introduced product is a fun way to make rock surfaces. It comes as a printed photograph of a particular type of rock face and can be crumpled in your hands to create the 3D effect. The result is really impressive

and a few blobs of hot glue or PVA on the reverse fix it onto the scenery formers. It is available in a number of rock types, it is just a pity it is so expensive.



Ease of use	★ ★ ★ ★ ○
Good results	★ ★ ★ ★ ★
Value for money	★ ★ ○ ○ ○



3 Heki Rock Foil

PROS Strong material but can be moulded with hands.

CONS Expensive for a sheet of foil.

Product Heki Rock Foil **Price** £21 a sheet **Availability** Heki dealers

These plastic-based sheets have a ripple effect, and they're painted and highlighted to represent various types of rock. The foil sheets are sold in pieces either 18cm by 40cm or 35cm by 80cm in slate, dolomite, stone, sandstone and granite colours and different strata shapes. The material is very

strong and can be moulded in the hands. Use acrylic paints to enhance the rock foil further and use dry-brushing techniques to highlight the rugged nature of the strata.



Ease of use	★ ★ ★ ★ ○
Good results	★ ★ ★ ★ ★
Value for money	★ ★ ★ ○ ○



Expert tips

- The appearance, colour and structure of real rocks varies tremendously. Study photographs of real rocks of the area you want to model and work to these photographs as you make the rocks for your layout. Similarly, use the same colours and types of rock on a layout. It's very rare to see different types in a small area.
- A hot glue gun can be used to fix pieces of rock to the landscape to speed up the scenery-making process. Another method is to use some of the rock compound to fix the rocks to the landscape.
- Colour the rock pieces in several stages. Use thin washes of different shades of colour to get a 3D effect. Allow darker wash to trickle through the crevasses.
- Add foliage, static grass and scatter material to the horizontal areas of the rock faces to represent weeds, wild flowers and grass.
- In real life, pieces of a rockface break off and fall to the base. Model this in miniature using talus or small pieces off the main rocks. Colour them the same as the main rocks and plant a few weeds in them.

4 Busch Rock Sculpting Compound

PROS Good working time.
CONS Can take a long time to dry.
Product Busch Rock Sculpting Compound **Price** £6.36 **Availability** Busch stockists

The powder compound needs to be mixed with a little water until it forms a creamy compound. Err on using less water as you mix it, then spread the compound onto the area with an old kitchen knife or a flat wooden stick. Push it into the landscape so it has a firm fix. As the mixture begins to dry, sculpt the

rockface with an old knife or a wooden lollipop stick. The material begins to set within 15 minutes but stays workable for about two hours. Once the mixture is fully dry the surface can be painted.



Ease of use ★★★★★
Good results ★★★★★
Value for money ★★★★★

5 Noch Hard Foam Pieces

PROS Just cut and paste onto your layout.
CONS Can be messy.
Product Noch Hard Foam Pieces **Price** £22.75 for six pieces
Availability Noch dealers

Noch produces ready-shaped and coloured hard foam pieces to represent granite, sandstone and slate rocks. These rock pieces are made from hard foam that just needs to be cut off the backing board with a craft knife. The rocks can be reduced in size to make more by dividing the pieces using a hobby saw or

a long sharp blade such as a Woodland Scenics Foam Knife. The rock sections can then be glued to the landscape using PVA or hot glue.



Ease of use ★★★★★
Good results ★★★★★
Value for money ★★★★★



MODEL RAIL *exclusives*

Locomotives you can only buy from us!

'16XX' 0-6-0PT

00
GAUGE

**PRE-ORDER
TODAY!**

22 VERSIONS TO CHOOSE FROM

Specification list

Made by: Rapido Trains

Motor: Five-pole

DCC socket: Next18

Features: NEM coupler
pockets, factory-fitted speaker,
sprung buffers, firebox glow,
'Busby' spark arrestor chimney.

**DUE
Q4**

£149.00

£134.10 price for
subscribers



BR BLACK, EARLY EMBLEM (PRISTINE)

- ◆ MR-301A: No. 1609
- ◆ MR-301B: No. 1623
- ◆ MR-301C: No. 1624
- ◆ MR-301D: No. 1657
- ◆ MR-301E: No. 1664
- ◆ MR-301F: No. 1658
- ◆ MR-301G: No. 1668
- ◆ MR-302A: No. 1646

BR BLACK, EARLY EMBLEM (WEATHERED)

- ◆ MR-302B: No. 1649
- ◆ MR-303: No. 1604

BR BLACK, LATE EMBLEM (PRISTINE)

- ◆ MR-304A: No. 1636
- ◆ MR-304B: No. 1655

BR BLACK, LATE EMBLEM (WEATHERED)

- ◆ MR-305A: No. 1627
- ◆ MR-305B: No. 1628

GWR GREEN

- ◆ MR-306: GWR green No. 1638

'BUSBY' CHIMNEY

- ◆ MR-307A: BR black early emblem pristine, No. 1616
- ◆ MR-307B: BR black early emblem pristine, No. 1629
- ◆ MR-308: BR black early emblem weathered, No. 1661

NCB GREEN

- ◆ MR-309A: NCB green, No. 1600
- ◆ MR-309B: NCB green, No. 1607

PRESERVED GREEN

- ◆ MR-310A: Green early BR emblem, No. 1638
- ◆ MR-310B: Green 'Dart Valley' lettering, No. 1638



Please note: These are pre-production evaluation samples. They do not represent the factory-finished models.

Order yours at WWW.MODELRAIL



MR-203
No. 68225, BR early emblem, no skirts

Specification list

Made by: Rapido Trains

Motor: Coreless

DCC socket: Six-pin

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

£127.50

£114.75 price for subscribers

00
GAUGE

LNER 'J70s'

NINE TO CHOOSE FROM

For immediate delivery!



MR-201 No. 68219, BR early emblem



MR-202 No. 68222, BR early emblem, full skirts



MR-203
No. 68225, BR early emblem, no skirts



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



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



MR-206 No. 7128, LNER wartime livery, full skirts



MR-207 No. 8223, LNER post-war livery, full skirts



MR-208 No. 7126, LNER lined livery, no skirts



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



MR-210 No. 7139, LNER lined livery

OFFERS.CO.UK OR 01209 705459

MODEL RAIL *exclusives*

Locomotives you can only buy from us!

ORDER AT WWW.

'USA' 0-6-0Ts

00
GAUGE

Roof
ventilator

SR bunker

Later style
tank-top grab
stanchions



MR-104A

'USA' 0-6-0T

No. 30064, in BR lined green

Specification list

Made by: Bachmann/Kader

Motor: Three-pole

DCC socket: Six-pin

Features: NEM coupler pockets, two types of cab, different smokeboxes, different footsteps, separately fitted hinged platform.

MR-111 and MR-104A

£129.95

£116.95 price for subscribers

SR cab
windows

DCC ready

Original clack
valves

Original
grab
handles

Front platform
(supplied
separately)

Offer price:
£110.00
(No further discount
for subscribers)

MR-111

'USA' 0-6-0T No. s73

British Railways unlined black,
'Sunshine lettering'

Six-pin decoder
socket

SR bufferbeam
footsteps

NEM coupler
pocket

**We've frozen
the original
2017 price on
these models**

Our 'USA' 0-6-0Ts are
beginning to sell out
- order yours today!

£124.95

£112.46 price for subscribers



MR-101 No. 1968, USATC black



MR-107 No. 36, National Coal Board black



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



MR-110 No. DS237 Maunsell, BR Departmental green

Non-sound Class 66s back in stock. Limited numbers!

£145.00

(subscribers pay £130.50)

NEW LOWER PRICE!



SOUND FITTED

Price: **£235.00**

price for subscribers **£211.50**



BACHMANN CLASS 66/032-725WDS: 66062, EURO CARGO RAIL LIVERY, SOUND-FITTED

COMING SOON FROM MODEL RAIL

COLOUR RAIL



BR Class 48 Co-Co
Produced by Heljan

THOMAS BRIGHT/SR



Vale of Rheidol 2-6-2T



Ruston 'PWM' 0-6-0DE

Produced by Heljan in partnership with Kernow MRC



BR Class 11 0-6-0DE

Produced by Heljan

● Order book for these new models not yet open. Keep an eye out in *Model Rail* for updates.

MODEL RAIL 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.

MODEL RAIL EXCLUSIVE PUBLICATIONS

HOW TO BUILD A MODEL RAILWAY 2020

From planning your layout to operating it, this publication guides you through the process of building your model railway and is full of hints and tips.

ON SALE NOW



£7.99

BRITAIN'S MODEL TRAINS 2020

Our unique guide to British and Irish outline, ready-to-run locomotives, coaches and wagons is fully updated for 2020. Order your copy today!

£5.99



GREAT BRITISH MODEL RAILWAYS 2020

Celebrate the skill, imagination and craftsmanship of Britain's best railway modellers with this superb 132-page publication.

£5.99



Next Issue

Delivering the goods

Stephen Dance spent years helping to operate his friends' layouts, but building 'City Basin Goods' gave him the opportunity to create a world exactly how he wanted it.

ON SALE
NOV
26

Christmas layouts

With the festivities just around the corner, we build layouts for the festive period. Whether it's a circle of track to go underneath the tree or a 6ft by 4ft layout you can build with your children, *Model Rail* shows you how to enjoy modelling this Christmas.

PLUS

The final episode in our essential guide to baseboards. See www.model-rail.co.uk/skills-station-qa

NEVER
MISS AN
ISSUE!

Turn to page 16 for details of our great subscription offer

ADVERTISERS' INDEX

AC Models	136
Accurascale	13
Alton Model Centre	137
Anoraks Anonymous	140
Artsylaser	142
C&L Finescale	136
C&M Models	136
Carnforth Models	132
CM3 Models	136
Coastal DCC	134
Crane Sheds & Summerhouses	139
Dapol	14
Digitrains	129
Dingo Servo Mounts	136
DMG Technical	138
Dream Steam	133
Durham Trains of Stanley	135
Eileen's Emporium	134
Ellis Clark Trains	120-121
EMA Model Supplies	134
Finescalebrass (UK)	134
Fox Transfers	140
Freestone Model Accessories	136
Frizinghall Models & Railways	133
Gaugemaster	80, 148
GFB Designs	135
Golden Valley Hobbies	133
Harburn Hobbies	141
Harder & Steenbeck	68
Hattons	114-119
Hobby Trax	67
Hornby	2
Howes Models	135

Irwell Press	141
Isinglass Models	135
Kernow Model Rail Centre	122-123
KJB Models	127
KRM Models	62
Langley Models	132
Megapoints Controllers	137
Metcalfe Models	29
Mike Pett's Photos	132
Model Electronic Railway Group	139
Model Railways Online	142
Modelrailwayscenery.com	136
Morley Controllers	135
Morris Models	140
N-Scenic	140
Osborn's Models	137
Peter's Spares	139
Rails Of Sheffield	109-113
Revolution Trains	128
Scalescenes.com	140
Smart Models	132
Stamp Insurance Services	138
The Airbrush Company	131
The Hereford Model Centre	101
The Hobby Shop	134
Tigertaz Models	141
TMC	124-125
Tony's Trains	137
Tower Models	126
Townstreet	138
Trains4U	130, 141
Train-Tech	138
Train Tees	140
Warwick & Warwick	147
York Modelmaking	139
YouChoos	132

CLASSIFIED INDEX

Classified advertisers on pages 143-144

AGR Model Railway Store	Jackson's Models	Recreation 21
Branchlines	John Dufield For Model Railways	Redcar Models & Hobbies
Church Street Models	Kent Garden Railways	Roxey Mouldings
Coach Lighting	Mark's Trains	Scalespeed
Connoisseur Models	Model Railway Developments	Skytrex (2013)
Crafty Hobbies	Model Scenery Supplies	The Hobby Goblin
Dave Angell Trains	Monk Bar Model Shop	The Sports And Model Shop
Derek's Transport Books	Nick Tozer Railway Books	The Tutbury Jinny
East Somerset Models	Northumbrian Painting Services	Tri-Angman
Golden Arrow Productions	Orwell Model Railways	Trident Trains
Hobby Rail	P&D Marsh	Upstairs Downstairs
Howard Scenic Supplies	Pooley's Puffers	

ADVERTISING IN *MODEL RAIL*

If you want to advertise in *Model Rail* call the number below to speak to our advertising team.



**Senior Sales
Exec Display:**
Gemma Smith
01733 366379



RAILS OF SHEFFIELD

railsofsheffield.com



Corporate Partners of

RAILWAY
MUSEUM

HELJAN 009 BARGAINS



9960	LYNTON & BARNSTAPLE 'LEW' 2-6-2 TANK LOCOMOTIVE SOUTHERN RAILWAY NO. E188	£219.95	£139.50
9961	LYNTON & BARNSTAPLE 'LYD' PLAIN BLACK 2-6-2 TANK LOCOMOTIVE NO.190	£219.95	£139.50
9962	LYNTON & BARNSTAPLE 2-6-2T 30190 'LYD' BR LINED BLACK (PRESERVED)	£219.95	£139.50
9963	LYNTON & BARNSTAPLE 2-6-2T 190 'LYD' SOUTHERN RAILWAY GREEN (PRESERVED)	£219.95	£139.50

RAILS
CONNECT
DCC DECODERNEW PRODUCT!
CRAFTED FOR RAILS BY DCCconceptsIT'S TIME TO
CONNECT WITH THE
NEXT GENERATION
OF DCC DECODERS

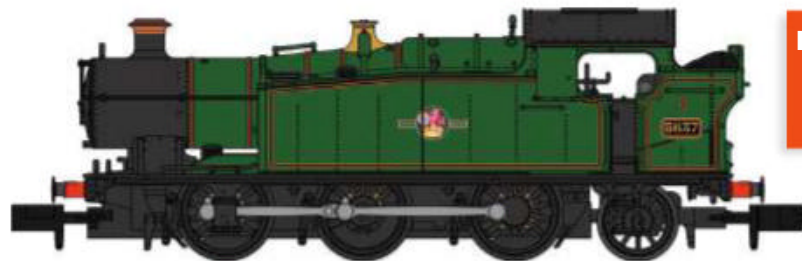
RoS-218	£19.95	RoS-8D	£19.95
- OO/HO Decoder perfect for 21 pin, 8 pin and hard-wire installation 6 powered functions		- OO/HO 8 pin direct plug decoder for DCC-ready locomotives 4 powered functions	
RoS-6D	£19.95	RoS-8HP	£24.95
- N & Small HO/OO 6 pin direct plug decoder for DCC-ready locomotives 2 powered functions		- High Power decoder for 8 pin and hard-wire installation into older OO/HO or modern O gauge locomotives 4 powered functions	

IN STOCK NOW!!! SEE WEBSITE FOR DETAILS

N GAUGE

Revolution
trains

NEW LIVERIES AND NUMBERS ADDED TO SONIC 56xx LINE-UP

N-gauge newcomer Sonic Models is offering additional liveries and new numbers to the forthcoming **56xx (GWR/BR9W) 0-6-2 tank locomotive**.EXPECTED
SOON!See website
for details

S2101-01 – 5637. BR lined green.
S2101-01A – 5643. BR lined green.
S2101-02 – 6681. BR lined green weathered.
S2101-03 – 5633. BR unlined green.
S2101-04 – 6639. BR unlined black.
S2101-04A – 5619. BR unlined black.

S2101-05 – 5616. GW unlined green.
S2101-06 – 6623. GW unlined green.
S2101-06A – 6671. GW unlined green.
S2101-07 – 5609. GW unlined green.
S2101-08 – 6602. BR unlined black.
S2101-09 – 5644. GW Unlined green.

PRE-ORDER NOW! £109.95

12 VERSIONS AVAILABLE

PRICING POLICY FOR IN STOCK AND AVAILABLE ITEMS: The price advertised on Rails of Sheffield website will be the price charged at the time of the order being processed. This excludes errors in pricing (E & OE) in the event of an error with a price you will be contacted prior to the order being processed and given the option to accept the correct price or cancel the order.

PLEASE NOTE: All items currently in stock are despatched immediately. Forthcoming releases will be despatched immediately upon release. If your order contains both current items and forthcoming releases then these will be despatched separately and subject to separate delivery charges.

RAILS TV & SOCIAL MEDIA...

Follow and
like us on:

railsofsheffield

railsofsheffield

railssheffield

railsofsheffield

RAILS ON EBAY 2 STORES,
100'S OF ITEMS ADDED DAILY...RAILS-SHEFFIELD
Ebay store!RAILS-VAULT
Ebay store!

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.

AMAZING OFFERS ON



D	TWIN TRACK POWER CASED CONTROLLER	£94.50
Q	FOUR TRACK CASED CONTROLLER	£168.50
DCC02	PRODIGY ADVANCE PACKAGE DIGITAL CONTROLLER	£272.50

ALSO STOCKED AT BARGAIN PRICES!



SEE OUR WEBSITE FOR FULL LISTINGS

INCLUDING SPECIAL OFFERS & GREAT DEALS!!

www.railsofsheffield.com

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 ORL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.com

Web: railsofsheffield.com

railsofsheffield

railsofsheffield

railssheffield

railsofsheffield



RAILS OF SHEFFIELD

railsofsheffield.com



Corporate Partners of

RAILWAY
MUSEUM

WANTED

CASH OR EXCHANGE

WE WANT ANYTHING MODEL RAILWAY RELATED,
ANY AGE, ANY GAUGE, FROM A SINGLE ITEM TO A
LIFETIME COLLECTION. DISTANCE NO OBJECT.
PLEASE TELEPHONE, OR EMAIL YOUR LISTS TO
SECONDHAND@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**

**DECEASED ESTATES - EX SHOP STOCK A SPECIALITY
FAST SERVICE WITH COMPLETE DISCRETION ASSURED**

— NO COLLECTION IS TOO LARGE —

FOR LARGER COLLECTIONS WHERE IT IS IMPOSSIBLE TO LIST ALL ITEMS - WE CAN ARRANGE A PERSONAL VISIT

**IMMEDIATE PAYMENT BY BANK TRANSFER OR CASH
OR WHY NOT TRADE YOUR ITEMS IN FOR EXCHANGE FOR AN EVEN BIGGER ALLOWANCE**

We URGENTLY require collections of any size, featuring products from the following manufacturers:



Telephone our Second Hand team on: (0114) 255 1436 or email: secondhand@railsofsheffield.com - Ref: MR2020

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 ORL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.com Web: railsofsheffield.com railsofsheffield railsofsheffield railssheffield railsofsheffield



RAILS OF SHEFFIELD

railsofsheffield.com



Corporate Partners of

RAILWAY
MUSEUM

WE VALUE YOUR
**PRE-OWNED &
SECOND HAND**
MODEL COLLECTION
VERY HIGHLY!!

ALL BRANDS

FOR CASH

CONTACT US

get in touch by email,
phone or post with
your list of items

STEP
01



STEP
02

WE MAKE AN OFFER

our friendly, experienced staff
review your list and make an
honest valuation and offer

BRING, SEND OR COLLECT

either visit the shop, send us your
items, or for larger collections we will
arrange collection for you

STEP
03



STEP
04

PAYMENT MADE!

we confirm the offer and make
a fast, secure payment via your
choice of payment method

**TOP
GUARANTEED
PRICES
PAID**

**FAMILY
BUSINESS
FRIENDLY
SERVICE**

FOR MORE DETAILS see our website: railsofsheffield.com/wanted

FULL COLLECTIONS PURCHASED
UK & WORLDWIDE COLLECTION AVAILABLE

BUY · SELL · EXCHANGE · ANY GAUGE · ANY AGE
TELEPHONE OUR SECOND HAND TEAM ON: (0114) 255 1436
OR EMAIL: SECONDHAND@RAILSOFSCHEFFIELD.COM

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



EXCLUSIVES

OO GAUGE MODELS

See the website for full details:



STROUDLEY A1 / A1X

TERRIER 0-6-0

IN STOCK NOW!

12 VERSIONS AVAILABLE

AVAILABLE NOW! £110 - DCC READY version

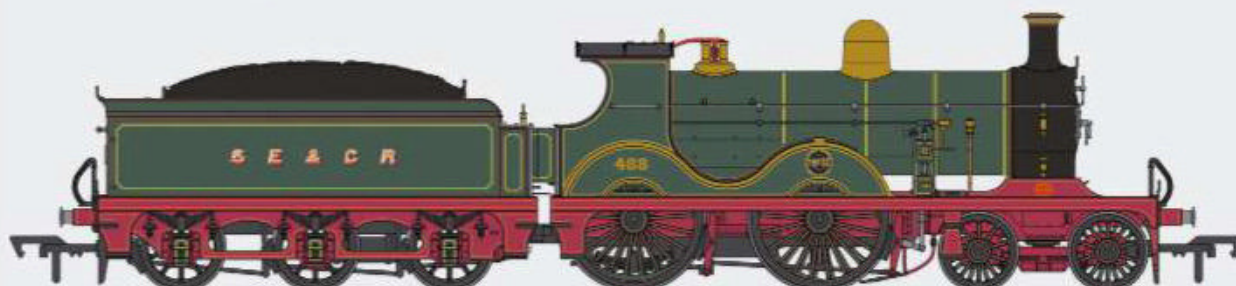
dapol
Model Railway Company

WAINWRIGHT
D CLASS

6 VERSIONS AVAILABLE

dapol
Model Railway Company

LOCOMOTION
MODELS



PRE-ORDER NOW! Secure yours for **ONLY £30 DEPOSIT**



NEWLY TOOLED

DELTIC

6 VERSIONS AVAILABLE

PRE-ORDER NOW! £160-£250 Secure yours for **ONLY £30 DEPOSIT**

EXPECTED Q4 2020

accurascale

CLASS 92's

2 VERSIONS AVAILABLE

accurascale

PRE-ORDER NOW!
£159.99-£249.99
ONLY £30 DEPOSIT



PRE-ORDER NOW! £169.00 Secure yours for **ONLY £30 DEPOSIT**

DERBY/SULZER TYPE 4

CLASS 45's

BR DIESEL LOCOMOTIVE

2 VERSIONS
AVAILABLE

HELJAN

IN STOCK NOW!

SELLING FAST!!

HELJAN

DRS Minimodal
**CLASS 33/0
TWIN PACK**

AVAILABLE NOW! £279.50



Please see our website for latest availability and expected arrival dates

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 0RL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.com

Web: railsofsheffield.com

[railsofsheffield](https://www.youtube.com/railsofsheffield)

[railsofsheffield](https://www.facebook.com/railsofsheffield)

[railssheffield](https://twitter.com/railssheffield)

[railsofsheffield](https://www.instagram.com/railsofsheffield)

COLLECTION

railsofsheffield.com/exclusive

OO GAUGE MODELS



Corporate Partners of

**RAILWAY
MUSEUM**



CREDIT: HUGH LLEWELYN

CALEDONIAN RAILWAY BLUE MCINTOSH

812 CLASS 0-6-0

5 VERSIONS AVAILABLE

PRE-ORDER NOW! £179.95-£199.95
Secure yours for **ONLY £30 DEPOSIT**



NO.37610

CLASS 37/6

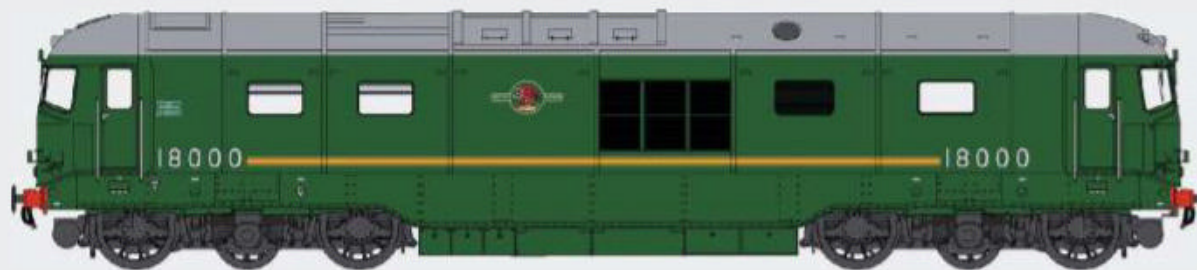
HNRC BR BLUE DIESEL LOCOMOTIVE
(WRAP AROUND YELLOW NOSES)

accurascale

EXPECTED Q1 2021



PRE-ORDER NOW! £169.99-£259.99 - Secure yours for **ONLY £30 DEPOSIT**



PRE-ORDER NOW! £199.99 - Secure yours for **ONLY £30 DEPOSIT**

BR GAS TURBINE CLASS

18000

3 VERSIONS AVAILABLE



NORTH EASTERN RAILWAY ELECTRIC AUTOCAR

3 VERSIONS AVAILABLE



PRE-ORDER NOW! £199.95
Secure yours for **ONLY £30 DEPOSIT**



© Justin Foulger

TWIN PACK

43238 'NRM 40' POWER CAR

CLASS 43 LNER HST

43302 'WORLD SPEED RECORD' TRAILER CAR

PRE-ORDER NOW! £149.99

**N
GAUGE
MODEL**

dapol
Model Railway Company

**O
GAUGE
MODEL**

NO.779 'EVENING STAR' CLASS 66 GBRF BR GREEN LIVERY

DCC READY / DCC FITTED / DCC SOUND VERSIONS

PRE-ORDER NOW! £325-£475



CREDIT: D.J.H. PHOTOGRAPHY

dapol
Model Railway Company

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)

THIS MONTH AT

Compiled between 8th September & 8th October 2020

Hattons
• MODEL RAILWAYS •

Latest News



Hattons Genesis Coaches

We've shared images of the first engineering samples for each of our 4 & 6 wheel Genesis coach body styles! Pre-order yours on our site now.

www.hattons.co.uk/tmah108



Hattons Precision Baseboards

We have announced a new range of Precision Baseboards, available in complete packs or individual modular pieces. Constructed from either MDF or Ply.

www.hattons.co.uk/tmah109



ARM NSW Class C38 4-6-2

Hornby are supplying the newly tooled NSW Class C38 locomotive, produced by Australian Railway Models. Available to pre-order now!

www.hattons.co.uk/tmah110



Hornby LMS Coronation 4-6-2

New variations of Hornby's popular LMS Coronation class are now in stock covering both bodystyles in a selection of LMS and BR era colour schemes.

www.hattons.co.uk/tmah111



Hornby Class 91

Hornby have revealed an engineering sample for their newly tooled OO gauge Class 91. EP shown - modifications still to be made. Pre-order yours now!

www.hattons.co.uk/tmah112



Oxford Diecast New Arrivals

A wide range of new Oxford Diecast models arrived with us this month, including a variety of newly tooled OO gauge products.

www.hattons.co.uk/tmah113

Top 5 Best Sellers



Oxford Diecast
76AQ001 - £5.50



Oxford Diecast
76TX5001 - £5.50



Hornby
R3856 - £171



Hornby
R1214Coaches - £36



Dapol
2D-019-010 - £170

Forthcoming Releases

See more at www.hattons.co.uk and follow us on social media!

dapol

See all forthcoming Dapol items:
hattons.co.uk/dapolpreorders



00

GWR Class 78xx Manor 4-6-0

Stage: Newly Announced

Due: TBC

Price: from £135.96

hattons.co.uk/dapolmanor



00

British Rail Class 59

Stage: Painted Samples

Due: Q1 2021

Price: from £131.71

hattons.co.uk/dapol59



00

GWR Class 43xx Mogul 2-6-0

Stage: Painted Samples

Due: October 2020

Price: from £135.96

hattons.co.uk/dapol43xx

Hattons
ORIGINALS

Explore the full Hattons Originals range:
hattons.co.uk/originals



00

Plasser GPC 12t Crane

Stage: CADs Shown

Due: TBC

Price: £69

hattons.co.uk/gpc



00

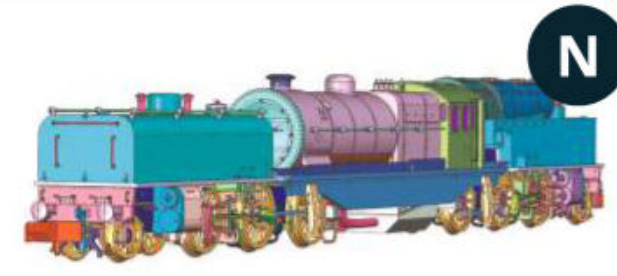
Genesis 4 & 6 Wheel Coaches

Stage: Engineering Samples

Due: from Q2 2021

Price: from £30

hattons.co.uk/genesis



N

LMS Beyer Garratt

Stage: CADs Shown

Due: TBC

Price: £199

hattons.co.uk/ngarratt

HELJAN

See all forthcoming Heljan items:
hattons.co.uk/heljanpreorders



009

Lynton & Barnstaple 2-4-2T

Stage: Painted Samples

Due: Q3 2020

Price: £203.96

hattons.co.uk/landb242t



00

British Rail Class 25/3

Stage: Painted Samples

Due: Q4 2020

Price: from £152.96

hattons.co.uk/hel253



00

British Rail Class 86/0

Stage: Painted Samples

Due: Late 2020

Price: from £161.46

hattons.co.uk/hel860

HORNBY

Explore the full Hornby 2020 range:
hattons.co.uk/hornby2020



00

Standard 2MT 2-6-0

Stage: Prototype Shown

Due: Jan 2021

Price: £162

hattons.co.uk/hornby2mt



00

British Rail Class 91

Stage: Engineering Sample

Due: December 2020

Price: £153

hattons.co.uk/hornby91



00

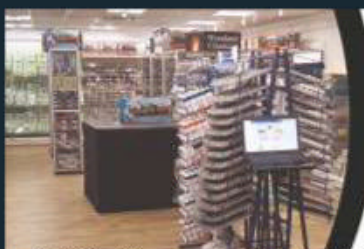
LNER Thompson A2/2 & A2/3

Stage: Engineering Samples

Due: Late 2020 to Early 2021

Price: £171

hattons.co.uk/thompsona2



17 Montague Road, Widnes, WA8 8FZ
T: 0151 733 3655 E: info@hattons.co.uk

OO Gauge (1:76 Scale)

Steam locos



H4-AB16-003 Andrew Barclay 0-4-0ST 16" 2226 "Katie" in lined maroon (Hat) (RRP £99) **BARGAIN** £89



R3462 Class 42xx 2-8-0T 4287 in BR Black early emblem (Hor) (RRP £105.99) **BARGAIN** £96



R3719 Class 5101 'Large Prairie' 2-6-2T 4154 in GWR green (Hor) £126



R3725 Class 5101 'Large Prairie' 2-6-2T 4160 in BR lined green late crest (Hor) **NEW** £126



R3408 Class 6000 King 4-6-0 6016 "King Edward V" in GWR Green shirtbutton emblem (Hor) (RRP £137.99) **BARGAIN** £124.50



R3721 Class 61xx 'Large Prairie' 2-6-2T 6110 in GWR green (Hor) £126



R3723 Class 61xx 'Large Prairie' 2-6-2T 6145 in BR black early emblem (Hor) £126
R3723X Class 61xx 'Large Prairie' 2-6-2T 6145 in BR black early emblem - Digital fitted (Hor) £144



R3639 Class 8P 'Streamlined Coronation' 4-6-2 6244 "King George VI" in LMS crimson lake (Hor) (RRP £189.99) **BARGAIN** £139.50



R3856 Class 8P Princess Coronation 4-6-2 'City of Salford' in BR green late crest (Hor) **NEW** £171



R3711 Class 8P Princess Royal 4-6-2 46206 "Princess Marie Louise" in BR express passenger blue (Hor) £171



R3854 Class 8P Princess Royal 4-6-2 6212 'Duchess of Kent' in LMS crimson lake (Hor) £171



R3857 Class 8P Streamlined Coronation 4-6-2 6220 'Coronation' in LMS coronation blue (Hor) **NEW** £171



R3848 Class A1X Terrier 0-6-0T 13 'Carisbrooke' in SR malachite green British Railways lettering (Hor) £85.50



R3738 Class A3 4-6-2 4472 "Flying Scotsman" in LNER green - 1969 USA tour condition two tenders - Gold plated (Hor) £234



R3447 Class B17 4-6-0 2842 "Kilverstone Hall" in LNER green (Hor) (RRP £120.99) **BARGAIN** £109



R3417 Class K1 2-6-0 62065 in BR black late crest (Hor) (RRP £105.99) **BARGAIN** £96



R3635 Class LN 'Lord Nelson' 4-6-0 30863 "Lord Rodney" in BR green early emblem (Hor) (RRP £169.99) **BARGAIN** £124



R3634 Class LN 'Lord Nelson' 4-6-0 851 "Sir Francis Drake" in Southern Railway olive green (Hor) (RRP £169.99) **BARGAIN** £124

R3456 Class N15 King Arthur 4-6-0 30792 "Sir Hervis de Revel" in BR Lined Green early emblem (Hor) (RRP £120.99) **BARGAIN** £109



OR76N7001 Class N7 0-6-2T 1002 in Great Eastern Railway wartime grey (Oxf) £98



OR76N7003 Class N7 0-6-2T 69612 in BR black early emblem (Oxf) £98



OR76N7002XS Class N7 0-6-2T 8011 in LNER black - DCC Sound fitted (Oxf) **NEW** £187



H4-P-001 SECR P Class 0-6-0T 178 in SE&CR full lined green (with brass) (Hat) £99

H4-P-015 SECR P Class 0-6-0T 27 SE&CR full lined green (with polished brass) (Hat) £99

H4-P-002 SECR P Class 0-6-0T 753 SE&CR full lined green (with brass) (Hat) £99



R3828 The Aberdonian train pack Class A1 4-6-2 60163 'Tornado' in LNER apple green British Railways lettering and 3 Mk1 coaches (Hor) **NEW** £180

Steam train packs



R3398 Lyme Regis Branch Line Train Pack - Ltd Ed (Hor) (RRP £150.99) **BARGAIN** £136

Diesel locos



2930 Class 07 shunter 07001 in Harry Needle Railroad Company - Exclusive to Hattons Model Railways (Hel) (RRP £139) **BARGAIN** £94



MM0121 Class 121 B121 in CIE original grey (Mur) **NEW** £149.50
MM0135 Class 121 B135 in CIE original grey (Mur) **NEW** £149.50



4D-025-003S Class 21 D6116 in BR green small yellow panels - DCC sound fitted (Dap) £249.84



4D-014-002 Class 29 D6129 in BR blue (Dap) £129.16



3442 Class 33/0 33008 "Eastleigh" in BR 1980s green full yellow ends (Hel) £126.65



3441 Class 33/0 33025 "Sultan" in BR blue grey roof (Hel) £126.65



R3901 Class 60 60021 in Colas Rail (Hor) **NEW** £162



R3885 Class 60 60062 'Stainless Pioneer' in DB red (Hor) **NEW** £162
R3884 Class 60 60100 'Midland Railway - Butterley' in DB red (Hor) **NEW** £162



H4-66-037 Class 66 66587 in Freightliner/ONE pink "AS ONE, WE CAN" (Hat) £150



H4-66-036 Class 66 66623 in Freightliner/G&W orange (Hat) £150



H4-66-035 Class 66 66780 in GBRI/Cemex "The Cemex Express" (Hat) £150



H4-66-032 Class 66 66783 in Biffa red GBRI branding "The Flying Dustman" (Hat) £150



H4-66-031 Class 66 66789 in BR Large Logo blue GBRI branding "British Rail 1948 - 1997" (Hat) £150

H4-66-031-S Class 66 66789 in BR Large Logo blue GBRI branding "British Rail 1948 - 1997" - Sound Fitted - Sold out on pre-order (Hat) £265



4D-022-016 Class 68 68034 in Direct Rail Services blue (Dap) £131.71

DMUs



4D-009-HAT05 Class 121 single car DMU 'Bubblecar' 55027 in revised Network South East - Hatton's limited edition (Dap) (RRP £129.95) **BARGAIN** £99



4D-009-008 Class 121 single car DMU 'Bubblecar' 55032 in Midline West Midlands (Dap) (RRP £145) **BARGAIN** £79

EMUs



R3215 Class 373 Eurostar 4 car EMU in new (post-2014) Eurostar (Hor) £99

Track Maintenance vehicles



B800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap) £70.50

Train sets - analogue



R1167 'Flying Scotsman' starter train set 4472 'Flying Scotsman' loco in LNER green and three Gresley teak coaches (Hor) £157

Coaches



R4946 ex-Mk2F TSO test train brake force runner 72616 in Network Rail yellow (Hor) **NEW** £31.50

R1167 Coaches LNER Teak Coaches (unboxed) - Pack of 3 (Hor) £39

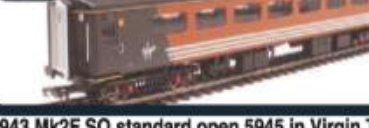


R4967A Mk2F BSO brake second open 9525 in DRS compass blue (Hor) **NEW** £34.99



R4944 Mk2F FO first open 3340 in Virgin Trains red and black (Hor) **NEW** £31.50

R4944A Mk2F FO first open 5946 Virgin Trains red and black (Hor) **NEW** £31.50

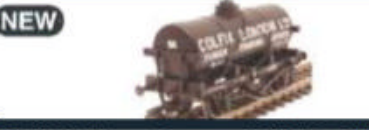


R4943 Mk2F SO standard open 5945 in Virgin Trains red and black (Hor) **NEW** £31.50



R4893C Mk2F TSO second open 6183 in ScotRail 'Saltire' blue (Hor) **NEW** £31.50

Wagons



OR76TK2003 12-ton tank wagon "Colfix" (Oxf) **NEW** £18.50



5020 Pair of Cargowagon bogie ferry vans in Railadventure two-tone grey "Barrier Wagon" (Hel) £67.96



H4-RHTT-001 Rail Head Treatment Train 'Sandite' 2 wagons and sandite modules (Hat) £118

OR76WV006C Warwell wagon 501 wartime green Sherman tank 95637 (Oxf) £38

Digital controllers



R8214 DCC Elite unit digital controller (Hor) £215

Point motors

R8243 Surface Mounted point motor (Hor) £8.50

Man-made scenic structure - railway-related

R083 Buffer Stop (Hor) £2
R083 Pack of 6 (Hor) £11

Signals

4L-001-006 Signal - motorised, GWR left hand junction bracket signal - two arms (Dap) £55.21

Bridges, Tunnels & Walls

A2985 Wooden privacy fence gates - 67cm (Woo) **NEW** £11



UK P&P £4 per order

(free for orders over £175)

£2.75 per single diecast item

£7 guaranteed Next Day delivery
(Orders before 2pm)

Track - Code 100 Setrack

R607 2nd radius double curve track (8 make a circle) (Hor)	£2.60
R607 Circle of 8 (Hor)	£2.00
R070 Electrically Operated Turntable (Hor)	£64
R8072 Left Hand Standard Point (Hor)	£9.50
R8073 Right Hand Standard Point (Hor)	£9.50
ST-245 Setrack curved double radius left handed point insulfrog (Pec)	£14.50

Track - Code 100 Streamline

SL-96 Left hand medium point - insulfrog (Pec)	£11
--	-----

Track - Code 75 Finescale

SL-E190 Finescale double slip - electrofrog (Pec)	£38
SL-E191 Finescale right hand small point - electrofrog (Pec)	£11

Buses



UK6519 ADL Enviro400 MMC - "Stagecoach Oxford Gold" (Nor)	£51
---	-----



UK1501 Alexander ALX 400 bodied Dennis Trident opentop - "Megashirtseeing.com" (Nor)	£51
--	-----

NEW



76SB006 Saro Bus Trent (Oxf) NEW	£17
----------------------------------	-----

Cars

NEW



76AQ001 Audi Quattro Tornado Red (Oxf) NEW	£5.50
--	-------

NEW



76BCGT001 Bentley Continental GT Sport (Oxf) NEW	£7
76IS004 BMW Isetta Yellow (Oxf) NEW	£5.50
76CPR003 Ford Capri Mk2 White (Oxf) NEW	£5.50
76FCC004 Ford Consul Capri Emme white (Oxf) NEW	£5.50
76NQ004 Nissan Qashqai White (Oxf) NEW	£5
76SET74 Royal family cars and vehicles - set of 7 (Oxf) NEW	£36.50

Commercial vehicles

NEW



76TX5001 LEVC Electric Taxi Black (Oxf) NEW	£6
---	----

NEW



76MSV001 Mercedes Sprinter Van Stobart Air (Oxf) NEW	£7
--	----

Construction Vehicles

76JXC003 JCB Backhoe Loader - 1980s (Oxf) NEW	£21
---	-----

009 Narrow Gauge

Coaches

NEW



GR-550 4-wheel Ffestiniog 'Bug Box' first class coach in FR victorian plum and cream (Pec) NEW	£23
--	-----

NEW



GR-560 4-wheel Ffestiniog 'Bug Box' observation coach in FR victorian plum and cream (Pec) NEW	£23
--	-----

NEW



GR-555 4-wheel Ffestiniog 'Bug Box' third class coach in FR victorian plum and cream (Pec) NEW	£23
--	-----

HO Gauge (1:87 Scale)

Cars

87CE57003 Cadillac Eldorado Hard Top 1957 Copenhagen Blue (Oxf) NEW	£6
87MU65005 Ford Mustang Convertible 1965 Wimbledon White (Oxf) NEW	£6

N Gauge

HSTs

NEW



2D-019-012 Class 43 HST 4-car book set in East Midlands Railway (ex LNER) red and white - 43251, 43295 and two coaches (Dap) NEW	£170
--	------

NEW



2D-019-010 Class 43 HST 4-car book set in Intercity 125 BR blue and grey - 43015, 43190 and two coaches (Dap) NEW	£170
---	------

DMUs

EMUs

2D-015-002 Class 122 diesel railcar W55006 BR green small yellow panels (Dap) NEW	£114
---	------



HN3006 5-BEL Pullman Brighton Belle EMU end vehicles in Pullman umber and cream small yellow warning panels (Arm)	£179.50
---	---------

Wagons

KNR-259 'Clam' engineers ballast wagon - plastic kit (Pec) NEW	£9
NR-P428 7 - Plank Wagon - Gellyceldrim Collieries Co Ltd (Pec) NEW	£9

Track - Code 80 Setrack



ST-300 Starter Track Set (Pec)	£49
--------------------------------	-----

Track - Code 80 Streamline

SL-E395 Right hand medium point electrofrog (Pec)	£9.50
SL-395 Right hand medium point insulfrog (Pec)	£9.50

Track - Code 55 Finescale

SL-E399F 3-way finescale turnout (Pec)	£28
SL-E387F Finescale curved double radius left hand point electrofrog (Pec)	£12
SL-E389F Finescale left hand large point electrofrog (Pec)	£12
SL-E392F Finescale left hand small point electrofrog (Pec)	£9.50
SL-E388F Finescale right hand large point electrofrog (Pec)	£12
SL-E383F Finescale scissors crossover electrofrog (Pec)	£63

Commercial vehicles

NEW



NFT028 Ford Transit Mk5 High Roof Scotrail (Oxf) NEW	£5
--	----

O Gauge (1:43 Scale)

Steam locos

7S-006-021 Class 14xx 0-4-2T 1405 in BR black early emblem (Dap)	£191.25
--	---------



7S-006-023 Class 14xx 0-4-2T 1426 in BR lined green late crest (Dap)	£191.25
--	---------

7S-006-001S Class 48xx 0-4-2T 4800 in GWR green Great Western lettering - DCC Sound Fitted (Dap)	£340
--	------



7S-007-010 Class 57xx 0-6-0PT pannier 8784 in GWR green (Dap)	£199.75
---	---------



7S-007-007 Class 57xx 0-6-0PT pannier 9669 in BR black late crest (Dap)	£199.75
---	---------



7S-007-009 Class 57xx 0-6-0PT pannier in Great Northern and Southern Railway ochre - as in "The Railway Children" (Dap)	£199.75
---	---------



6101 Class 61xx 'Large Prairie' 2-6-2T 6106 in GWR green GWR lettering - as preserved (Hel) (RRP £699) BARGAIN	£495
--	------



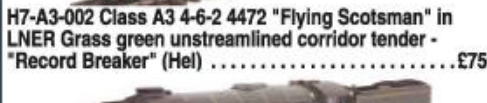
6100 Class 61xx 'Large Prairie' 2-6-2T 6110 in GWR green Great Western lettering (Hel) (RRP £699) BARGAIN	£495
---	------



7S-010-012 Class A1X 'Terrier' 0-6-0T 32650 in BR lined black early emblem (Dap)	£191.25
--	---------

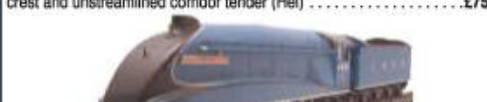


H7-A3-002 Class A3 4-6-2 4472 "Flying Scotsman" in LNER Grass green unstreamlined corridor tender - "Record Breaker" (Hel)	£750
--	------



H7-A3-006 Class A3 4-6-2 60077 "The White Knight" in BR green late crest and unstreamlined non-corridor tender (Hel)	£750
--	------

H7-A3-007 Class A3 4-6-2 60103 "Flying Scotsman" in BR green late crest and unstreamlined corridor tender (Hel)	£750
---	------



H7-A4-004 Class A4 4-6-2 4489 "Dominion of Canada" in LNER Garter blue steel numbers/letters and unstreamlined corridor tender (Hel) NEW	£750
--	------



H7-A4-006 Class A4 4-6-2 60007 "Sir Nigel Gresley" in BR express blue unstreamlined corridor tender - "Record Breaker" (Hel) NEW	£750
--	------

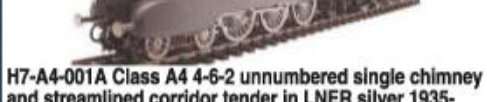
H7-A4-009 Class A4 4-6-2 60008 "Dwight D Eisenhower" in BR green late crest and streamlined non-corridor tender (Hel) NEW	£750
---	------



H7-A4-007 Class A4 4-6-2 60012 "Commonwealth of Australia" in BR green early emblem and streamlined corridor tender (Hel) NEW	£750
---	------

H7-A4-008B Class A4 4-6-2 unnumbered double chimney and streamlined non-corridor tender in BR green late crest 1958-1966 (Hel)	£750
--	------

H7-A4-007A Class A4 4-6-2 unnumbered single chimney and streamlined corridor tender in BR green early emblem 1952-1958 (Hel) NEW	£750
--	------



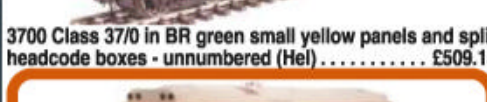
H7-A4-001A Class A4 4-6-2 unnumbered single chimney and streamlined corridor tender in LNER silver 1935-1938 (Hel) NEW	£750
--	------

H7-A4-007B Class A4 4-6-2 unnumbered single chimney and streamlined non-corridor tender in BR green early emblem 1952-1957 (Hel) NEW	£750
--	------

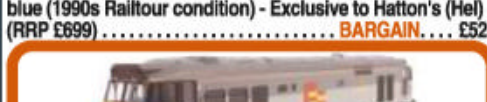
H7-A4-006A Class A4 4-6-2 unnumbered single chimney and unstreamlined corridor tender in BR Express blue 1949-1952 (Hel) NEW	£750
--	------



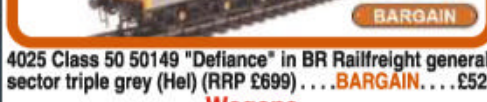
2007 Class 20 in BR Railfreight grey full yellow ends, 1980s style warning flashes and headcode discs - Exclusive to Hatton's (Hel) (RRP £599) BARGAIN	£395
--	------



3700 Class 37/0 in BR green small yellow panels and split headcode boxes - unnumbered (Hel)	£509.15
---	---------

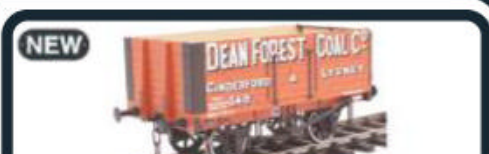


4026 Class 50 50008 "Thunderer" in BR departmental Laila blue (1990s Railtour condition) - Exclusive to Hatton's (Hel) (RRP £699) BARGAIN	£525
---	------

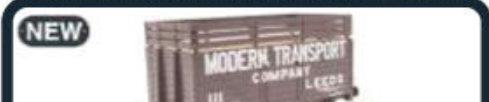


4025 Class 50 50149 "Defiance" in BR Railfreight general sector triple grey (Hel) (RRP £699) BARGAIN	£525
--	------

LHT-F-073-003 7 Plank open coke wagon rails "Cranesley" (Dap) NEW	£38.88
LHT-F-073-001 7 Plank open coke wagon rails "T.L.Hale, Dudley Port" (Dap) NEW	£38.88
LHT-F-073-002 7 Plank open coke wagon rails "T.L.Hale, Dudley Port" (Dap) NEW	£38.88



LHT-F-071-003 7 plank open wagon "Dean Forest Coal Company" (Dap) NEW	£38.88
LHT-F-071-004 7 plank open wagon "Dean Forest Coal Company" (Dap) NEW	£38.88
LHT-F-071-002 7 plank open wagon "Welsh Anthracite Collieries" (Dap) NEW	£38.88
LHT-F-071-001 7 plank open wagon in BR grey (Dap) NEW	£38.88



LHT-F-080-003 8 plank coke wagon rails "Modern Transport Company" (Dap) NEW	£38.88
---	--------

LHT-F-073-004 8 Plank open coke wagon rails "Suncoke" (Dap) NEW	£38.88
---	--------

LHT-F-080-004 8 plank open wagon "E.Foster and Co, London" (Dap) NEW	£38.88
--	--------

LHT-F-080-002 8 plank open wagon "Maltby" (Dap) NEW	£38.88
---	--------

LHT-F-080-001 8 plank open wagon "Norstand, Grimsby" (Dap) NEW	£38.88
--	--------



7F-043-004 YCB 'Turbot' bogie ballast wagon DB978337 in BR Civil Engineers 'Dutch' (Dap)	£59.50
--	--------

SL-E787BH Left hand O gauge curved turnout (Pec)	£54
--	-----

SL-E792BH Left hand point bullhead rail and electrofrog (Pec)	£43
---	-----

SL-700FB 1 Yard O Gauge Flexible Nickel Silver Track (Finescale Flatbottom) (Pec)	£7
SL-700FB Box of 12 (Pec)	£80

Any or Multiple Scales

Analogue controllers



COMBI Combi 12v 1Amp Single Track Controller Transformer (Gau)	£34
--	-----



D Double/Twin track power controller (Gau)	£86
--	-----



Q Quadruple 4 circuit power controller (Gau)	£191.25
--	---------

Analogue point control

PL-55 Turntable control motor - for use OO and N scale Peco turntable kits (Pec)	£54
--	-----

Digital decoders

Imperium2 'Imperium' Next 18 Pin MTC 6-function DCC decoder (Dap)	£19.98
---	--------

DCR-21Pin-Direct-V2 21-pin 6-function 1.1Amp direct plug decoder back EMF (Hat)	£16.50
---	--------

DCR-6PIN-Direct 6-pin 2-function 1.1Amp direct plug decoder back EMF (Hat)	£16.50
--	--------

DCR-8PIN-HarnessMini 8-pin (harness) 2-function 1.1Amp small & thin (mini) decoder back EMF (Hat)	£16
---	-----

DCR-8PIN-HarnessMini Box of 5 (Hat)	£72
-------------------------------------	-----

DCR-8PIN-HarnessMini Box of 10 (Hat)	£128
--------------------------------------	------



DCR-8PIN-Harness Box of 10 8-pin (harness) 4-function 1.1Amp decoder back EMF (Hat)	£120
---	------

DCR-8PIN-Harness Single (Hat)	£15
-------------------------------	-----

DCR-8PIN-Harness Box of 5 (Hat)	£68
---------------------------------	-----

R8249 8-pin 4-function 2-sided 0.5A (1A peak) decoder (Hor)	£16
---	-----

R8249 Box of 6 (Hor)	£92
----------------------	-----

DCR-8PIN-Direct 8-pin compact direct 4-function 1.1Amp decoder back EMF (Hat)	£17
---	-----

DCR-8PIN-Direct Box of 5 (Hat)	£77
--------------------------------	-----

DCR-8PIN-Direct Box of 10 (Hat)	£136
---------------------------------	------

DCC-ADS-8SX 8-way accessory decoder for solenoid point motors (DCC)	£77
---	-----

36-561 EZ Command Dynamics 4-output point decoder (similar to Hornby R8247) (Bac) (RRP £45.35) BARGAIN	£24.50
--	--------

DCC49 Prodigy 8 Amp booster unit (Gau)	£191
--	------

524-037 S85 5 amp Power Booster DCC system for use Power Cab controller (NCE)	£184
---	------

DCP-CB12IP Cobalt 12v slow-action analogue point motor - pack of 12 (DCC)	£204
---	------

DCP-CB12OMG Cobalt Omega slow-action analogue point motor - pack of 12 (DCC)	£165
--	------

PM-2 Seep point motor (Gau)	£3.50
-----------------------------	-------

PM-2 Pack of 6 (Gau)	£20
----------------------	-----

PM-1 Seep point motor accessory switch (Gau)	£5
--	----

HAT-PM-01 Solenoid point motor including pin extension and 2-way arm for use points and signals. Exclusive to Hatton's (Hat)	£6.50
--	-------

HAT-PM-01 Pack of 6 (Hat)	£35
---------------------------	-----

PL

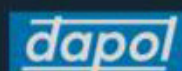
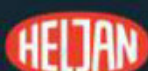
SELL yours today at www.hattonsmodelmoney.com

Get cash for your items in just four easy steps...



*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

ALL brands purchased including:



FOR CASH



BUY pre-owned items online at hattons.co.uk/latestpreowned



WE PAY*
STRAIGHT AWAY!

So why choose Hattons?

- More than 70 years of experience
- Offering you the best prices in the industry
- Valuations made by experts
- Free quotes with no obligation to trade
- We can arrange delivery – no collection too big or too small
- Fast, secure payment • Store credit available

**Submit your list and track your valuation online
by visiting www.hattonsmodelmoney.com**



**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.



WANTED

VISIT
our **NEW SITE**
clarkrailworks.com
for **OO, HO**
N etc

LOOKING TO SELL YOUR COLLECTION?

We highly value your models

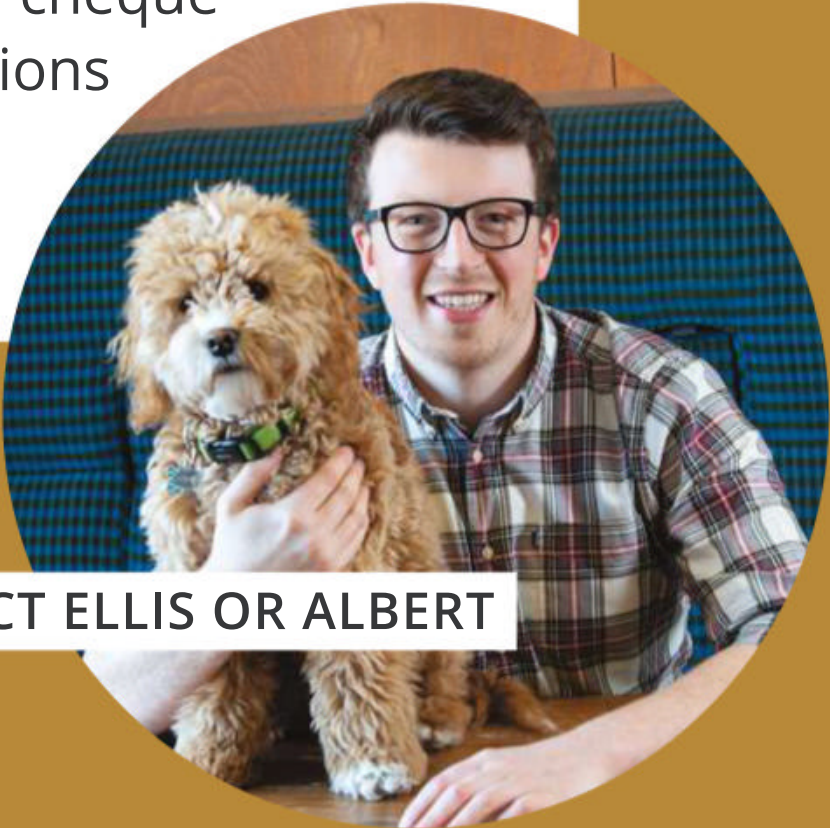
- ◆ Full/part collections purchased
- ◆ No need for a list - we travel and view/collect
- ◆ Everything purchased - railways, die-cast & Railwayana
- ◆ All gauges and ages, including continental & US
- ◆ Upfront payment by cash, bank transfer or cheque
- ◆ Vast experience in purchasing large collections
- ◆ Friendly and professional service
- ◆ Specialised interest in 7mm O gauge

GET IN TOUCH

ellisclarktrains.com

01756 701451

ellis@ellisclarktrains.com



CONTACT ELLIS OR ALBERT

Finescale O Gauge NEWS

ellisclarktrains.com 



Ellis Clark Trains

PRESFLO WAGONS

Pre-order with no deposits!

DUE Q1 2021

£69.99 each

Multi-buy discounts available
Multiple liveries & types

For full details visit **ellisclarktrains.com**

Darstaed

THOMPSON COACHES

Pre-order with
no deposits!

Finely detailed brass sides ♦ Professionally painted
Super detailed interiors w/lights ♦ Fully detailed metal chassis

**DUE Q4
2020**

£229 each

Multi-buy discounts available
Multiple liveries & types



DARSTAED MK1 RERUN now in stock



DARSTAED MK1 SUBURBANS now in stock

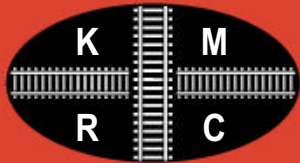


Ellis Clark Trains

Unit 2 Toller Court
Shortbank Road
Skipton BD23 2HG

ellisclarktrains.com ♦ 01756 701451 ♦ ellis@ellisclarktrains.com



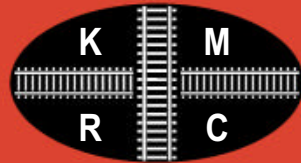
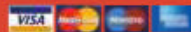


CAMBORNE
98A Trelowarren Street, TR14 8AN

Kernow Model Rail Centre

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

UK P&P £4 PER ORDER / ORDERS OVER £200 POST FREE AT TIME OF DESPATCH



GUILDFORD
75B Stoke Road, GU1 4HT

LATEST ARRIVALS / OO GAUGE

BACHMANN OO

37-528D BR 20T Brake Van BR Grey (Early).....	£26.95
37-534 BR 20T Brake Van BR Bauxite (Late).....	£26.95
37-661A 14T Tank Wagon 'ICI' Maroon, weathered.....	£23.95
37-682A 14T Tank Wagon 'Crossfield Chemicals' Green.....	£23.95
38-036 HKA Bogie Hopper Wagon No. 300679 National Power.....	£66.95
38-037 HKA Bogie Hopper Wagon No. 300613 National Power De-Branded, weathered.....	£56.99



38-038 HKA Bogie Hopper Wagon No. 300684 DB Schenker.....	£52.99
39-425A BR Mk1 POS Post Office Sorting Van BR Blue & Grey, weathered.....	£59.99

BACHMANN SCENECRAFT OO

44-0501 Wooden Relay Boxes.....	£15.95
---------------------------------	--------

CORGI OO

OM46624A New Routemaster LTZ 1192 Route 38 Hackney Central 'Release the Kracken'.....	£38.99
OM46624B New Routemaster LTZ 1192 Route 38 Victoria 'Release the Kracken'.....	£38.99

HORNBY OO

R1251M Celebrating 100 Years of Hornby Train Set.....	£224.99
---	---------



R3828 British Railways 60163 Tornado 'The Aberdonian' Train Pack.....	£179.99
---	---------



R3856 Princess Coronation Class 4-6-2 Steam 46257 'City of Salford' BR Green L/C.....	£170.99
---	---------



R3857 Princess Coronation Class 4-6-2 Steam Loco No. 6220 'Coronation' LMS Blue.....	£170.99
--	---------



R3884 Class 60 Co-Co Diesel No. 60 100 'Midland Railway - Butterley' DB Schenker.....	£161.99
R3885 Class 60 Co-Co Diesel Locomotive No. 60 062 'Stainless Pioneer' DB Cargo.....	£161.99

R3886 Class 66 Co-Co Diesel Locomotive No. 60 405 DRS Malcolm Logistics.....	£74.99
R3901 Class 60 Co-Co Diesel Locomotive No. 60 021 Colas Rail.....	£161.99



R3906 Railroad Class 47/7 Co-Co Diesel Locomotive No. 47 739 GBRf.....	£67.49
R3920 Class 66 Co-Co Diesel Locomotive No. 66 434 Malcom Rail.....	£74.99
R3921 Class 66 Co-Co Diesel Locomotive No. 66 514 Freightliner.....	£74.99
R3941 BR Class 9F 2-10-0 Steam Locomotive No. 92212 BR Black L/C.....	£109.99
R3942 BR Class 9F 2-10-0 Steam Locomotive No. 92212 BR Black L/C.....	£109.99



R3951 Class 60 Co-Co Diesel Loco No. 66 780 'The Cemex Express' Cemex GBRf.....	£74.99
R4892A Mk2F Brake Second Open BSO Coach No. 9527 ScotRail.....	£31.49
R4893B Mk2F Standard Open SO Coach No. 6176 ScotRail.....	£31.49



R4893C Mk2F Standard Open SO Coach No. 6183 ScotRail.....	£31.49
R4946 Mk2F Test Train Brake Force Runner No. 72616 Network Rail.....	£31.49
R4991 Mk2F TSO Structure Gauging Train Support Coach No. 72630 Network Rail.....	£31.49
R4992 Mk2D Support Coach No. 9481 Network Rail.....	£31.49
R4993 Mk2F TSO Brake Plain Line Pattern Recognition Vehicle PLPR2 No. 5981.....	£31.49

MURPHY MODELS OO

MM0121 Class 121 B121 CIE Original Grey.....	£149.99
--	---------



MM0135 Class 121 B135 CIE Original Grey.....	£149.99
--	---------

OXFORD DIECAST OO

76AQ001 Audi Quattro Tornado Red.....	£6.25
763CX004 JCB 3CX Eco Backhoe Loader.....	£24.95

OXFORD RAIL OO

OR76TK2003 12 Ton Tank Wagon No. 56 British Bitumen Colfix.....	£19.95
OR76TK2004 12 Ton Tank Wagon No. 3 Benzole.....	£19.95

KMRC EXCLUSIVES / OO

AWARD WINNING WARSHIPS - IMMINENT DELIVERY



K2606 Class 41 Warship Diesel Locomotive No. D600 "Active" BR Green. Headcode disks & original grilles.....	£179.99
---	---------



K2607 Class 41 Warship Diesel Locomotive No. D601 "Ark Royal" BR Green, weathered. Headcode boxes & later grilles.....	£189.99
--	---------



K2608 Class 41 Warship Diesel Locomotive No. D604 "Cossack" BR Green. Headcode disks & later grilles.....	£179.99
---	---------

PETERSFIELD LSWR SIGNAL BOX - IMMINENT DELIVERY



44-074X Bachmann Scenecraft LSWR Signal Box - Petersfield.....	£79.99
--	--------

FREE POSTAGE ON ORDERS OVER £200* // ORDER SENT SAME WORKING DAY // LOYALTY POINTS RECEIVED ON ALL PURCHASES WITH US**

LATEST ARRIVALS / N GAUGE

OXFORD DIECAST N

NFT028 Ford Transit MkV High Roof ScotRail.....	£5.55
---	-------

DAPOL N



2D-019-010 Class 43 HST BR Blue & Grey Book Set.....	£169.99
2D-019-012 Class 43 HST EMR ex LNER Book Set.....	£169.99

GAUGEMASTER N

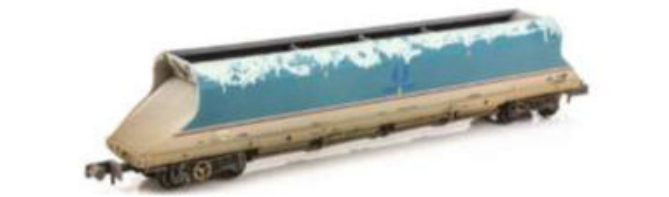
GM392 StreetScooter EV Van Milk & More.....	£9.95
---	-------

GRAHAM FARISH N

371-249 Class 47/0 Diesel Locomotive No. 47 018 BR Railfreight Grey.....	£123.95
371-427A Class 170/3 2 Car DMU No. 170 308 South West Trains.....	£152.95
371-431A Class 170/5 2 Car DMU No. 170 521 Cross Country.....	£152.95



371-432A Class 170/5 2 Car DMU No. 170 501 London Midland.....	£152.95
371-825C Class 47/0 Diesel Locomotive No. D1779 BR Green.....	£123.95
371-829 Class 47/4 Diesel Locomotive No. 47 435 BR Blue.....	£123.95
372-250 Class 47/4 Diesel Locomotive No. 47 436 BR Blue Large Logo.....	£123.95
373-811 HKA Bogie Hopper Wagon 'National Power' Blue.....	£42.95



373-812 HKA Bogie Hopper Wagon Debranded 'National Power' Blue, weathered.....	£42.95
--	--------

373-813 HKA Bogie Hopper Wagon DB Schenker.....	£39.95
374-735 BR Mk2F TSO Tourist Second Open Coach BR Blue & Grey.....	£39.95
374-760 BR Mk2F FO First Open Coach BR Blue & Grey.....	£39.95

GRAHAM FARISH SCENECRAFT N

42-0002 Stone Engine Shed with Tank.....	£28.95
42-0029 Wooden Engine Shed.....	£32.95
42-0063 Boiler House Chimney.....	£11.95
42-0086 Industrial Gate House.....	£46.95
42-0087 Industrial Yard Office.....	£14.95
42-0088 Industrial Store & Canopy.....	£33.99
42-0109 Telecommunications Cabin.....	£14.95
42-585 Roadside Rescue Phone Boxes.....	£14.95

LATEST ARRIVALS / O GAUGE

BACHMANN SCENECRAFT O

47-002 Wash Plant.....	£76.95
47-560 Lineside Cabinets. Pack of 4.....	£15.95



47-0054 Depot Mess Plant.....	£59.95
47-575 Ground Frame.....	£21.95

CHECK OUR WEBSITE FOR INFORMATION ON BOTH OUR CAMBORNE & GUILDFORD SHOPS

We do a **DECODER FITTING SERVICE** for OO & N Gauge DCC Ready Locomotives...£9.99. If you have other locos you are interested in having fitted with a decoder or sound please phone or email us for a quote

Sign up to our newsletter & join our loyalty scheme at www.kernowmodelrailcentre.com • [Facebook](https://www.facebook.com/kernowmodelrailcentre) Kernow Model Rail Centre • [Twitter](https://www.twitter.com/kernowmodelrail) @kernowmodelrail • *at time of despatch **subject to stock levels



BARGAIN CLEARANCE

VISIT OUR WEBSITE FOR EVEN MORE BARGAINS



OO GAUGE

BARGAIN BUNDLES

K9611 Bachmann NSE Mk1 Coach Pack.....	£74.99
K9968 Midland Counties Ballast Pack.....	£164.99
K9972 Mainline Freight Ballast Pack.....	£199.99
K9976A Bachmann Regional Train Pack.....	£239.99
K9998A Bachmann Scenecraft China Clay Dies Pack with FREE Landrover.....	£99.99
K3919 PACK Hornby Class 66 Diesel Locomotive 66 109 + R8121 TTS.....	£84.99
K3922 PACK Hornby Class 66 Diesel Locomotive 66 623 + R8121 TTS.....	£84.99

BACHMANN

30-425 Midland Pullman Train Pack.....	£499.99
31-003A Class O4 Steam Locomotive No. 6184 LNER Black.....	£74.95
31-004A Robinson Class O4 Steam Locomotive No. 63762 BR Black E/E, weathered.....	£79.99
31-041 Class 450 4 Car Desiro EMU Set No. 450 127 South West Trans, weathered.....	£269.95



31-170 L&YR 2-4-2 Steam Tank No. 50764 BR Black.....	£79.99
31-190 Jubilee Steam Loco No. 45575 'Madras' BR Black BRITISH RAILWAYS.....	£118.99
31-318A Robinson Class J11 (GCR 9) Steam Loco No. 5954 LNER Black.....	£104.99
31-379 2EPB 2 Car EMU Set No. 5771 BR Green.....	£109.95
31-380 Class 416 2-EPB 2 Car EMU Set No. 6262 BR Blue & Grey NSE branding.....	£126.99



31-426C Class 411 4-CEP 4 Car EMU No. 7122 BR SR Green.....	£349.99
31-461A C Class 0-6-0 Steam Locomotive No. 1294 Southern Railway Black.....	£69.99
31-661DS Class 47/3 Diesel Locomotive No. 47 346 BR Dutch. DCC Sound.....	£184.95
31-691 LMS Stanier Mogul Steam Locomotive No. 42969 BR Lined Black E/E.....	£109.99
31-692 LMS Stanier Mogul Steam Locomotive No. 42968 BR Lined Black L/C.....	£96.99
32-067A Class 43 Warship Diesel Locomotive No. D836 "Powerful" BR Blue.....	£94.95
32-165 Southern N Class Steam Locomotive No. 31874 BR Lined Black E/E.....	£114.99
32-166 Southern N Class Steam Locomotive No. 1406 SR Black Bulleid Sunshine lettering.....	£109.99
32-178A LMS Crab Steam Locomotive No. 13174 LMS Lined Black.....	£81.99
32-279A K3 Class Steam Locomotive No. 1304 LNER Lined Black.....	£88.99
32-281 K3 Class Steam Locomotive No. 61862 BR Lined Black E/E.....	£88.99
32-289 Class 101 2 Car DMU BR Refurbished White & Blue.....	£136.95



32-376A Class 37/4 Diesel Locomotive No. 37 422 "Robert. F. Fairlie", weathered.....	£109.99
32-560 Class A1 Steam Locomotive No. 60117 BRITISH RAILWAYS Apple Green.....	£114.95
32-575A Ivatt Class 4MT Steam Locomotive No. 3000 LMS Black.....	£82.99
32-737 Class 66 Diesel Locomotive No. 66 065 EWS DBS branding, weathered.....	£109.99
32-738 Class 66 Diesel Locomotive No. 66 711 'Sence' GBRf Aggregates.....	£99.99
32-753DS Class 57/0 Diesel No. 57 007 'Freightliner Bond' Freightliner. Sound.....	£189.99
32-806 Class 47/0 Diesel Locomotive No. D1842 BR Two-Tone Green.....	£129.99
32-830A Ivatt Class 2MT 2-6-0 Steam Locomotive No. 6418 LMS Plain Black.....	£99.99
32-992 Wickham Type 27 Trolley Car BR Engineers Yellow.....	£45.95
34-328A 50ft Ex LMS Pill Parcels Van No. M31253 BR Blue, weathered.....	£19.99
34-630B BR Mk1 Suburban Second Brake Coach No. M43301 BR Lined Maroon.....	£24.99
34-700C BR Mk1 Suburban Composite Coach No. M41014 BR Lined Maroon.....	£24.99
37-097 Coal Trader Pack. 3 x 5 Plank Wagons, weathered.....	£37.95
37-114 7 Plank Fixed End Wagon Baldwin, weathered.....	£12.95
37-115 7 Plank Fixed End Wagon I.C.I. Chance & Hunt Ltd.....	£11.95
37-327D 90 Ton JGA Bogie Hopper BLI 19215 Buxton Lime, weathered.....	£32.95
37-529B 20 Ton Brake Van No. 182897 LNER Oxide, weathered.....	£18.95
37-535C 20 Ton Brake Van CAR No. B955016 BR Railfreight.....	£17.95
37-552C 46T POA Mineral Wagon TRL 5320 'ARC TIGER', weathered.....	£15.95
38-105 Triple Pack 34 Ton PNA Wagons Railtrack 5 Rib, weathered.....	£41.99
38-243 MBA Megabox Bogie Box Wagon No. 500006 EWS, weathered.....	£30.95
38-245A MOA Low-Sided Bogie Box Wagon No. 500336 EWS, weathered.....	£36.95
38-400A SR 25 Ton Pill Box Brake Van No. 56462 SR Brown.....	£18.95
38-404A SR 25 Ton Pill Box Brake Van ZTO No. DS56471 BR, weathered.....	£18.95
38-550A Midland 20T Brake Van BR Grey (with Duckets).....	£17.95
38-553A Midland 20 Ton Brake Van No. 134900 LMS Bauxite without Duckets.....	£17.95
38-554 Midland 20 Ton Brake Van No. M623 Midland Railway Grey.....	£17.95
38-603 21 Ton Grain Hopper No. 23 Bass Charrington.....	£16.95
38-990 20 Ton Brake Van & SR Pill Box Twin Pack NSE.....	£36.95
39-002 Twin Pack BR Mk2A BFK HST Barrier Vehicles BR Blue.....	£54.99
39-025E BR Mk1 SK Second Corridor Coach No. M25704 BR Blue & Grey.....	£27.99
39-082B BR Mk1 BSK Brake Second Corridor Coach No. 35329 Network SouthEast.....	£27.95

39-125C BR Mk1 CK Composite Corridor Coach No. M16153 BR Blue & Grey.....	£27.95
39-126C BR Mk1 CK Composite Corridor Coach No. M15916 BR Maroon.....	£27.99
39-127B BR Mk1 CK Composite Corridor Coach No. E15055 BR Crimson & Cream.....	£27.99
39-152B BR Mk1 FK First Corridor Coach No. E13113 BR Crimson & Cream.....	£27.99
39-176D BR Mk1 BG Full Brake Coach No. E80533 BR Maroon.....	£27.95
39-177C BR Mk1 BG Full Brake Coach No. M80565 BR Crimson & Cream.....	£27.95
39-187 BR Mk1 BG Full Brake Coach NCV No. 95310 BR Blue.....	£27.99
39-188 BR Mk1 BG Full Brake Coach No. 92354 Network SouthEast.....	£27.99
39-225A BR Mk1 BCK Brake Composite Corridor Coach No. E21222 BR Blue & Grey.....	£27.99
39-242 BR Mk1 FO First Open Coach No. M3002 BR Blue & Grey.....	£27.99
39-250A BR Mk1 RFO Restaurant Car No. M5 BR Blue & Grey.....	£27.99
39-265 BR Mk1 RMB Miniature Buffet Car No. M1865 NSE.....	£28.99
39-274 BR Mk1 GUV No. E93326 BR Blue & Grey InterCity Motorail.....	£27.99
39-310C BR Mk1 SP Pullman Second Parlour Coach No. 350 Umber & Cream.....	£37.99
39-312 BR Mk1 SP Pullman Second Parlour Coach No. E352E BR Blue & Grey.....	£36.99
39-361A BR Mk2a TSO Tourist Second Open Coach No. E5406 BR Blue & Grey.....	£29.99
39-410A BR Mk2a BFK Brake First Corridor Coach No. W17069 BR Blue & Grey.....	£28.99
39-412A BR Mk2a BFK Brake First Corridor Coach No. 17097 Network SouthEast.....	£27.99
39-502A BR Mk1 SLSTP Second Class Sleeper Car No. E2591 BR Maroon.....	£28.99
39-503A BR Mk1 SLSTP Second Class Sleeper Car No. E2681 BR Blue & Grey.....	£28.99
39-528A Ex-Southern CCT Covered Carriage Truck No. S1751 BR Blue, weathered.....	£26.99
39-529 Ex-Southern CCT Covered Carriage Truck No. ABD975276 BR.....	£23.99
39-578 BR Auto Trailer No. W234 BR Crimson & Cream.....	£49.99
39-579 BR Auto Trailer No. W236W BR Unlined Maroon.....	£49.99
39-580 BR Auto Trailer No. W231W GWR Chocolate & Cream as preserved.....	£49.99

HORNBY

R3373 Class 71 Electric Locomotive No. E5001 BR Green with small yellow panel.....	£109.99
R3376 Class 71 Electric Locomotive No. E5022 BR Green with no yellow ends.....	£109.99
R3397 LMS Suburban Passenger Train Pack - Limited Edition.....	£149.99
R3398 Lyme Regis Branch Line Train Pack - Limited Edition.....	£129.99
R3406 J50 Class 0-6-0T Steam Locomotive No. 14 Departmental BR Black L/C.....	£62.99
R3407 J50 Class 0-6-0T Steam Locomotive No. 68959 BR Black E/E.....	£62.99
R3408 4-6-0 6000 King Class Steam Locomotive No. 6016 "King Edward V" GWR.....	£114.99
R3409 4-6-0 6000 King Class Steam Locomotive No. 6002 "King William IV" BR L/C.....	£114.99
R3411 Maunsell S15 Class Steam Locomotive No. 827 Southern Black.....	£89.99
R3412 Maunsell S15 Class Steam Locomotive No. 30842 BR Black E/E.....	£79.99
R3413 Maunsell S15 Class Steam Locomotive No. 30831 BR Black L/C.....	£79.99
R3414 Maunsell J15 Class 0-6-0 Steam Locomotive No. 5444 LNER Black.....	£71.99
R3415 J15 Class Steam Locomotive No. 65477 BR Black E/E.....	£71.99
R3416 J15 Class Steam Locomotive No. 65464 BR Black.....	£71.99
R3417 K1 Class Steam Locomotive No. 62065 BR Black.....	£89.99
R3418 K1 Class Steam Locomotive No. 62006 BR Black.....	£94.99
R3423 Adams Radial 415 Class Steam Locomotive No. 30583 BR Black L/C.....	£66.99
R3448 B17 Class Steam Locomotive No. 61619 "Welbeck Abbey" BR E/E.....	£99.99
R3461 Thompson L1 Class Steam Locomotive No. 67702 LNER Green.....	£99.99
R3462 42xx Class Steam Locomotive No. 4287 BR Black E/E.....	£89.99
R3463 52xx Class Steam Locomotive No. 5241 BR Black E/E.....	£89.99
R3522 A4 Class Steam Locomotive No. 60026 "Miles Beevor" BR Green E/E.....	£129.99
R3738 A3 Class 4-6-2 Steam Locomotive 4472 "Flying Scotsman" Alan Pegler.....	£199.99
R4677B LMS Non-Corridor 57ft Third Class Brake Coach No. 20754.....	£24.50
R4677C LMS Non-Corridor 57ft Third Class Brake Coach No. 20755.....	£24.50
R4689 LMS Non-Corridor 57ft Composite Coach No. M16574.....	£27.99
R4690 LMS Non-Corridor 57ft Third Class Coach No. M11912M.....	£27.99
R4691 ex LMS Non-Corridor 57ft Third Class Brake Coach No. M20787M BR.....	£24.50
R4691A ex LMS Non-Corridor 57ft Third Class Brake Coach No. M20788M BR.....	£24.50
R4927 Sovereign BR Midland Suburban Coach Pack.....	£99.96
R6744 4 Plank Wagon No. 35 North Bitchburn Coal Co. Ltd - Darlington.....	£9.99
R6802 SR Brake Van No. 55891 SR Brown.....	£14.99

KMRC MODELS

31-650L Class 47 Diesel Locomotive No. D1670 "Mammoth" BR Two Tone Green.....	£129.99
31-650LDC Class 47 Diesel Locomotive No. D1670 "Mammoth". DCC Fitted.....	£149.99
31-650LDS Class 47 Diesel Locomotive No. D1670 "Mammoth". Sound Fitted.....	£229.99
31-650Q Class 47 Diesel Locomotive No. 47 829 Police.....	£129.99
31-650QDC Class 47 Diesel Locomotive No. 47 829 Police. DCC Fitted.....	£149.99
31-650QDS Class 47 Diesel Locomotive No. 47 829 Police. Sound Fitted.....	£229.99
31-651Z Class 47 Diesel Locomotive No. 47 973 "Midland Counties".....	£129.99
31-651ZDC Class 47 Diesel Loco No. 47 973 "Midland Counties". DCC Fitted.....	£149.99
31-651ZDS Class 47 Diesel Loco No. 47 973 "Midland Counties". Sound Fitted.....	£229.99
31-653Z Class 47 Diesel Locomotive No. 47 706 ScotRail NSE branding, weathered.....	£135.99
31-653ZDC Class 47 Diesel No. 47 706 ScotRail NSE, weathered. DCC Fitted.....	£152.99
31-653ZDS Class 47 Diesel No. 47 706 ScotRail NSE, weathered. Sound Fitted.....	£219.99



32-066Z Class 43 Warship No. D845 "Sprightly" BR Green.....	£139.99
32-066ZDC Class 43 Warship No. D845 "Sprightly" BR Green. DCC Fitted.....	£156.99
32-135X Class 4575 Prairie No. 5541 BR Green, weathered.....	£99.99
32-727W Class 66 Diesel Locomotive No. 66 709 "Sorrento" GBRf.....	£127.95
32-727WDC Class 66 "Sorrento" GBRf. DCC Fitted.....	£143.95
32-727WDS Class 66 "Sorrento" GBRf. DCC Sound Fitted.....	£209.99
32-762Z Class 57 No. 57 305 Network Rail known as 'Sand Castle'.....	£134.95
32-762ZDC Class 57 No. 57 305 Network Rail known as 'Sand Castle'. DCC Fitted.....	£149.95
32-762ZDS Class 57 No. 57 305 Network Rail known as 'Sand Castle'. Sound Fitted.....	£214.99
32-780U Class 37 Diesel Locomotive No. 37 261 DRS.....	£119.99
32-780UDC Class 37 Diesel Locomotive No. 37 261 DRS. DCC Fitted.....	£139.99
32-780UDS Class 37 Diesel Locomotive No. 37 261 DRS. DCC Sound Fitted.....	£219.99
38-131Z 40 Ton Seacow YGB Bogie Hopper Wagon Departmental Dutch, weathered.....	£45.95
38-132Z 40 Ton Seacow YGB Bogie Hopper Wagon EWS, weathered.....	£45.95
39-273Z BR Mk1 GUV Coach S86804 BR (SR) Green.....	£39.99
K2104 0-4-4T Class O2 No 30225 BR Black L/C.....	£99.99
K2104PACK O2 and Water Column Pack.....	£129.99
K2106 0-4-4T Class O2 No 30193 BR Black E/E.....	£99.99



K2201 0-6-0 1361 Steam Locomotive No. 1361 BR Black L/C.....	£69.99
K2201A 0-6-0 1361 Steam Locomotive No. 1361 Photographic Grey.....	£69.99
K2202 0-6-0 1361 Steam Locomotive No. 1362 BR Black E/E.....	£69.99
K2203 0-6-0 1361 Steam Locomotive No. 1363 GWR Green w/Shirtbutton emblem.....	£69.99
K2204 0-6-0 1361 Steam Locomotive No. 1364 GWR Green with GWR lettering.....	£69.99
K2205 0-6-0 1361 No. 1365 BR Black L/C, weathered.....	£69.99
SB005Z SPA Open Wagon EWS Bulk Pack of 4.....	£79.99

N GAUGE

GRAHAM FARISH

370-430 Capital Connection Train Pack.....	£161.95
371-651A Class 57/0 Diesel Loco 57 008 "Freightliner Explorer", weathered.....	£102.99
372-980 Class 24 Diesel Loco 97 201 "Experiment" RTC Red & Blue, weathered.....	£99.99
373-360A BR Mk1 Horse Box No. E96307 BR Maroon.....	£16.95
373-362A BR Mk1 Horse Box No. S96413 BR (SR) Green.....	£17.99
373-626D 31 Ton OBA Open Wagon 110717 Railfreight Red & Grey, weathered.....	£16.00
374-042 BR Mk1 BG Full Brake Coach NEX No. 92002 Intercity.....	£20.99
374-135 BR Mk1 GUV QRV No. KDB977557 Satlink.....	£26.99
374-161A BR Mk1 FK First Corridor Coach No. M13323 BR Maroon.....	£20.95
374-165 BR Mk1 FK First Corridor Coach No. M13341 Intercity.....	£20.95
374-167 BR Mk1 FK First Corridor Coach No. 13225 Regional Railways.....	£26.99
374-191 BR Mk1 BSK Brake Second Corridor Coach QVA No. ADB977109 BR.....	£28.99
374-192 BR Mk1 BSK Brake Second Corridor Coach No. M35451 Intercity.....	£20.99
374-193 BR Mk1 BSK Brake Second Corridor Coach 35464 Network SouthEast.....	£26.99
374-194 BR Mk1 BSK Brake Second Corridor Coach 35452 Regional Railways.....	£26.99
374-258C BR Mk1 CK Corridor Composite Coach No. M16153 BR Blue & Grey.....	£22.95
374-415 Southern PMV Passenger Luggage Van No. S1068S BR Crimson.....	£16.95
374-417 Southern PMV Passenger Luggage Van No. S1733 BR Blue.....	£16.95
374-610 BR Auto Trailer No. W234 BR Crimson.....	£26.99
374-611 BR Auto Trailer No. W238W BR Maroon.....	£26.99
374-612 BR Auto Trailer No. W237W BR Crimson.....	£26.99
374-640 BR MK 1 CCT NOV Coach No. M94739.....	£16.95
374-643 BR MK 1 CCT Coach QXX No. ADB 977076 BR Re-Railing Yellow.....	£16.95
374-830C Stanier Brake Corridor First Coach No. 5057 LMS Crimson Lake.....	£20.95
374-831C Stanier Brake Corridor First Coach No. M5056M BR Crimson & Cream.....	£20.95
374-836C Stanier Corridor First Coach No. 1055 LMS Crimson Lake.....	£22.95
374-846C Stanier Corridor First Coach No. M1081M BR Crimson & Cream.....	£20.95
374-847A Stanier Corridor First Coach No. M1053M BR Maroon.....	£20.99
374-875 LMS 50ft Inspection Saloon No. 45028 LMS Lined Crimson Lake.....	£25.95
374-876 LMS 50ft Inspection Saloon No. M45029M BR Maroon.....	£25.95
374-902A BR Mk1 Travelling Post Office Coach No. M1053M BR Blue & Grey.....	£29.95
374-925A BR Mk1 SLSTP Sleeping Second Coach No. E2591 BR Maroon.....	£26.99
374-990 Mk1 Coach Pack 'Works Test Train' BR Blue & Grey, weathered.....	£39.95
377-031 5 Plank Wagon with Steel Floor No. 3162 ICI Lime with Load.....	£12.99
377-032 5 Plank Wagon No. 45 Helwith Bridge Road Stone Quarry with Load.....	£12.99
377-059 5 Plank Wagon No. 91 Salt Union Ltd Stoke Works.....	£10.50
377-060 5 Plank Wagon No. 1 A. E. Moody Coal Merchant Sharpness.....	£10.50
377-062 5 Plank Wagon No. 132701 NE Grey with Load.....	£12.99
377-089 7 Plank Fixed End Wagon No. 18166 SR Brown.....	£9.95
377-090 7 Plank Wagon End Door No. 127916 NE Grey.....	£9.95
377-206A 8 Plank Wagon No. P192891 'Suncole', weathered.....	£15.99
377-379 20 Ton Toad Brake Van BR Departmental Yellow.....	£16.99



377-490 Triple Pack China Clay 5 Plank Wagons GWR Grey.....	£31.50
377-650A MBA Megabox High-Sided Bogie Box Wagon 500006 EWS, weathered.....	£19.99
377-651A MBA Megabox High-Sided Bogie Box Wagon 500067 EWS, whtrd.....	£19.99
377-775 12 Ton Pipe Wagon ZDV No. KDB484176 BR Engineers Olive Green.....	£11.99
377-776 12 Ton Pipe Wagon ZDV No. B741318 BR Bauxite (early).....	£13.50
377-777 12 Ton Pipe Wagon No. B484163 BR Bauxite (late).....	£11.99
377-877 Queen Mary Brake Van YTX No. ADS58299 EWS, weathered.....	£21.95
377-925A PCA Metalair Bulk Powder Wagon 11026 Blue Circle Cement, whtrd.....	£19.95
377-954A 13 Ton High Sided Steel Wagon No. 278985 NE Grey.....	£12.99
377-955 13 Ton High Sided Steel Wagon B483417 BR Bauxite, weathered.....	£11.50
377-956 13 Ton High Sided Steel Wagon B481230 BR Bauxite, weathered.....	£11.50
377-957 13 Ton High Sided Steel Wagon E279122 BR Grey w/smooth sides.....	£11.99
377-975A 12 Ton Eastern Ventilated Van No. 235738 LNER Oxide.....	£11.99
377-976A 12 Ton Eastern Ventilated Van No. E236010 BR Early Bauxite.....	£16.95

GRAHAM FARISH SCENECRAFT

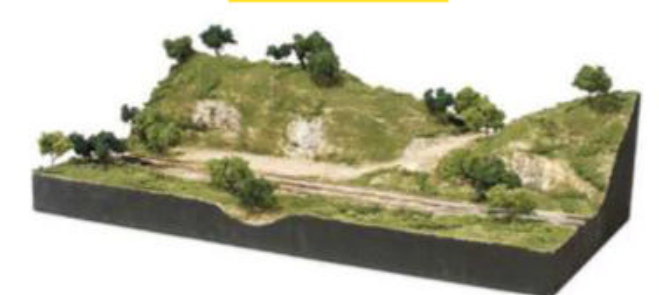
42-0001 Two Road Brick Engine Shed.....	£21.95
42-0005 Portable Office.....	£10.50
42-0064 Parachute Water Tower.....	£14.95
42-059 Oak Hill Brewery Boiler House.....	£4.75
42-150 Road Side Farm Shop.....	£12.00
42-181 Depot Hoist.....	£22.95
42-191 Red Star Parcels Office.....	£13.50
42-192 Platform Buffet.....	£22.95
42-194 Taxi Office.....	£9.50
42-245 Low Relief Corner Chemists.....	£12.00
42-253 Low Relief Greengrocers.....	£12.00
42-298 Low Relief Boiler House.....	£19.95

REVOLUTION TRAINS



NIZA-2103 IZA CargoWaggon Twin Set No. 23 80 279 4 004-4 Perrier branding.....	£39.99
--	--------

WOODLAND SCENICS



ST4801 Mod-U-Rail Straight Module.....	£99.99
ST4802 Mod-U-Rail Corner Module.....	£119.99

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



CALL OUR TEAM ON 01209 714099 • PLEASE SEND MAIL ORDERS TO 98A TRELOWARREN STREET, CAMBORNE, CORNWALL, TR14 8AN

CLEARANCE

- ✓ **Discontinued from manufacturer**
- ✓ **Last chance to buy**
- ✓ **At least 20% off and up to 50% off!**
- ✓ **Free P&P over £60 on website**
- ✓ **Brand new unless stated otherwise**
- ✓ **Hundreds of new products just added**



Item name	RRP	TMC Price
R3452 Hornby BR 6800 Grange Class 4-6-0 6825 Llanvair Grange (Era 5) Real Coal & Weathered by TMC	£195.99	£156.79
R3452 Hornby BR 6800 Grange Class 4-6-0 6825 Llanvair Grange (Era 5) Real Coal Crew Tools & Weathered by TMC	£220.99	£176.79
R3463 Hornby 2-8-0T 52xx Class 5231 BR E/Emb Real Coal & Weathered by TMC	£179.99	£143.99
R3466 Hornby United Steel Company, Hunslett 'Austerity' Class, 0-6-0ST, 22 - Era 11	£85.99	£68.79
R3479 Hornby DRAX Class 60 No 60066 with Deluxe Weathering by TMC	£226.00	£180.80
R3481 Hornby EWS, Class 67, Bo-Bo, 67025 'Western Star' - Era 10	£160.00	£128.00
R3522 Hornby LNER, A4 Class, 4-6-2, 60026 'Miles Beevor' - Era 3	£174.99	£157.49
R3529 Hornby LNER J15 Class 0-6-0 no.7942 (Era 3) Real Coal & Weathered by TMC	£168.00	£134.40
R3566 Hornby BR 4-6-2 Rebuilt Merchant Navy Class 35014 Nederland Line (Era 5) Real Coal & Weathered by TMC	£226.00	£180.80
R3582 Hornby BR Intercity Class 87 Bo-Bo no.87010 King Arthur (Era 8) DCC Fitted Parts (1 End) & Deluxe Weathered by TMC	£260.98	£208.78
R3600TTS Hornby NBR J36 Class 0-6-0 no.673 Maude (Era 7) Real Coal & Lightly Weathered by TMC	£205.00	£164.00
R3603TTS Hornby BR Lord Nelson Class 4-6-0 no.30850 Lord Nelson (Era 5) Real Coal & Weathered by TMC	£235.00	£188.00
R3603TTS Hornby BR, Lord Nelson Class, 4-6-0, 30850 'Lord Nelson' - Era 5	£194.99	£175.49
R3605TTS Hornby DB Schenker Class 60 Co-Co 60044 Dowlow (Era 10) Weathered by TMC	£239.99	£191.99
R3616 Hornby LMS Class 5MT 4-6-0 5089 (Era 3) Real Coal & Semi-Glossy Extra Detail Weathering by TMC	£217.49	£173.99
R3621 Hornby LNER J36 Class 0-6-0 no.722 (Era 3) Real Coal & Weathered by TMC	£179.99	£143.99
R3635 Hornby BR Lord Nelson Class 4-6-0 30863 Lord Rodney (Era 4) Real Coal & Weathered by TMC	£209.99	£167.99
R3638 Hornby West Country Class 4-6-2 34019 'Bideford' BR Green Late Crest	£184.99	£147.99
R3638 Hornby West Country Class 4-6-2 34019 Bideford BR Green L/Crest Real Coal & Extra Detail Weathering by TMC	£232.49	£185.99
R3677 Hornby LMS Princess Coronation Class 4-6-2 no.6229 Duchess of Hamilton (Era 3) Real Coal & Weathered by TMC	£229.99	£183.99
R3685 Hornby Train Packs GWR, Class 43 HST, Power Cars 43041 'Meningitis Trust Support for Life' and 43005 - Era 11	£289.99	£231.99
R3693 Hornby Peckett B2 Class 0-6-0ST No.4 Sherwood Colliery Co. Ltd (Era 3) Real Coal & Deluxe Weathering by TMC	£155.00	£124.00
R3705 Hornby John Dewar & Sons R&H 48DS 0-4-0 No.458957 (Era 8) Weathered by TMC	£111.25	£89.00
R3707 Hornby Longmorn Distillery R&H 48DS 0-4-0 Queen Anne (Era 7) Weathered by TMC	£102.49	£81.99
R3709 Hornby LMS, Princess Royal, 4-6-2, 6201 'Princess Elizabeth' - Era 3	£189.99	£151.99
R3715 Hornby LMS Princess Coronation Class 4-6-2 no.6224 Princess Alexandra (Era 3) Real Coal & Weathered by TMC	£234.99	£187.99
R3727 Hornby LMS Class 21 Pug 0-4-0ST no.11244 (Era 3) Deluxe Weathering by TMC	£107.48	£85.98
R3728 Hornby BR Class 21 Pug 0-4-0ST no.51207 (Era 4) Deluxe Weathering by TMC	£107.48	£85.98
R3729 Hornby LNER Class O1 2-8-0 no.6359 (Era 3) Real Coal & Weathering by TMC	£149.99	£119.99
R3730 Hornby BR Class O1 2-8-0 no.63806 BR Black E/Emb (Era 4) Real Coal & Weathering by TMC	£149.99	£119.99
R3737 Hornby BR A4 Class 4-6-2 no.60022 Mallard (Era 4) Real Coal & Weathered by TMC	£219.99	£175.99
R3740 Hornby Caledonian Sleeper Class 92 Co-Co no.92023 (Era 10) Weathered by TMC	£129.99	£103.99
R3741 Hornby GBRf Europorte Class 92 Co-Co no.92043 Debussy (Era 11) Weathered by TMC	£114.99	£91.99
R3742F Hornby DB Cargo Romania Class 92 Co-Co no.91 53 0 472 001-3 Mihai Eminescu (Era 10) Weathered by TMC	£140.00	£112.00
R3745 Hornby Network Rail Class 31 A1A-A1A no.31602 Driver Dave Green (Era 9) Weathered by TMC	£205.00	£164.00
R3752 Hornby Railroad S.Wilson Paper Mills 0-4-T no.2112 (Era 2/3) Real Coal & Weathered by TMC	£69.99	£55.99
R3756 Hornby Railroad BR Crosti Boiler 9F Class 2-10-0 no.92028 BR Black E/Emb (Era 4) Real Coal & Deluxe Weathering	£184.99	£147.99
R3767 Hornby BR, 'Terrier', 0-6-0T, 32655 - Era 4	£89.98	£71.98
R3773 Hornby BR Provincial Class 156 Set 156401 DMS No.57401 and DMSL No.52401 (Era 8) Weathered by TMC	£174.99	£139.99
R3774 Hornby DB Cargo UK Class 67 Bo-Bo no.67024 Belmond British Pullman (Era 11) Weathered by TMC	£192.49	£153.99
R3781 Hornby K&ESR Terrier 0-6-0T No.5 Rolvenden (Era 2) Real Coal & Extra Detail Weathering by TMC	£124.98	£99.98
R3781X Hornby K&ESR Terrier 0-6-0T No.5 Rolvenden (Era 2) "DCC Fitted" Real Coal & Deluxe Weathering by TMC	£150.00	£120.00
R3782 Hornby SE&CR Terrier 0-6-0T no.751 (Era 2) Real Coal & Weathered by TMC	£129.98	£103.98
R3782X Hornby SE&CR Terrier 0-6-0T no.751 (Era 2)(DCC Fitted) Real Coal & Deluxe Weathering by TMC	£152.50	£122.00
R3783 Hornby SR Terrier 0-6-0T no.2662 (Era 3) Real Coal & Deluxe Weathering by TMC	£129.98	£103.98
R3783X Hornby SR Terrier 0-6-0T no.2662 (Era 3)(DCC Fitted) Real Coal & Deluxe Weathering by TMC	£152.50	£122.00
R3783X Hornby SR, 'Terrier', 0-6-0T, 2662 - Era 3 (DCC Fitted)	£110.00	£88.00
R3784 Hornby GBRf Class 66 Co-Co 66705 Golden Jubilee (Era 9) Nameplates fitted & Weathered by TMC	£112.49	£89.99
R3785 Hornby GBRf Class 66 Co-Co 66731 interhubGB (Era 10) Nameplates fitted & Weathered by TMC	£112.49	£89.99
R3789 Hornby Sovereign The Station Pilot Train Pack	£108.49	£86.79
R3794 Hornby Eastern Freight Train Pack	£140.99	£112.79
R3799 Hornby Railfreight Freight Train Pack	£179.99	£143.99
R3802 Hornby LNER Class 43 HST Power Cars nos.43315/43309 (Era 11) Weathered by TMC	£340.00	£272.00
R3805 Hornby BR, Class 5MT, 4-6-0, 45379 - Era 11	£174.99	£148.75
R3811 Hornby LB&SCR Terrier 0-6-0T 48 Leadenhall (Era 2) Real Coal & Deluxe Weathering by TMC	£134.99	£107.99
R3812 Hornby SR Terrier 0-6-0T W10 Cowes (Era 3) Real Coal & Weathering by TMC	£129.99	£103.99
R3919 Hornby PD Ports Class 66 Co-Co 66109 'Teesport Express' - Era 11	£74.99	£59.99
R3922 Hornby G&W/Freightliner Class 66 Co-Co 66623 - Era 11	£74.99	£59.99

TAKE AN EXTRA



**ALREADY DISCOUNTED
PRICES!
USE CODE "MORE"**



20% OFF
38-802 Bachmann OO Gauge Railworks & Rapier 45T Steam Break-down Crane BR Black (Early Emblem)

£199.96 Regular Price £249.95

In stock



35% OFF
39-004 Bachmann OO Gauge Mk1 BSK & SK 2-Coach Pack BR Black & Grey (ScotRail) - Weathered - Includes Passenger Figures

£64.97 Regular Price £99.95

In stock



50% OFF
39-125C Bachmann OO Gauge BR Mk1 CK Composite Corridor BR Blue & Grey

£23.99 Regular Price £48.95

In stock



50% OFF
39-150D Bachmann OO Gauge BR Mk1 FK First Corridor BR Blue & Grey

£23.99 Regular Price £48.95

In stock



50% OFF
39-226C Bachmann OO Gauge BR Mk1 BCK Brake Composite Corridor BR Maroon

£23.99 Regular Price £48.95

In stock

TMC WEATHERED OO SCALE PRODUCTS READY FOR IMMEDIATE DISPATCH



37-716 Bachmann Cattle Wagon
8T Cattle Wagon 3-Pack BR Bauxite
(Late) Weathered by TMC
Was £87.46 **NOW £77.75**



32-216A Bachmann 57XX
GWR 57XX Pannier Tank 5775 BR Black
Real Coal and Weathered by TMC
Was £167.45 **NOW £149.50**



R3542 Hornby Raven Q6
Class 63427 DCC Sound Coal Crew &
Weathered by TMC
Was £355.99 **NOW £339.95**



32-561 Bachmann Class A1
60122 Curlew BR Express Blue Coal
Nameplates Fitted, Weathered by TMC
Was £214.96 **NOW £186.50**



31-361B Bachmann Class 03
D2028 BR Green (Crests removed)
DCC Sound Fitted Weathered by TMC
Was £294.95 **NOW £276.25**



39-422 Bachmann BR Mk1 POS
Post Office Sorting Van Royal Mail Travelling
Post Office Weathered by TMC
Was £74.95 **NOW £65.26**



32-205A Bachmann Pannier Tank
GWR 8750 Class 8771 BR Real Coal and
Deluxe Weathering by TMC
Was £149.45 **NOW £134.26**



E85002 EFE Rail J94
J94 Saddle Tank 68043 BR Black (E/Emb)
Real Coal and Weathered by TMC
Was £189.95 **NOW £167.50**



R3805 Hornby Class 5MT
BR 45379 (Era 11 Preservation) Real
Coal and Deluxe Weathering by TMC
Was £222.49 **NOW £204.99**



R3661 Hornby
BR Class 31 A1A-A1A D5509 (Era 6)
Weathered by TMC
Was £199.99 **NOW £182.99**



32-236 Bachmann 3F Jinty
LMS 0-6-0T 47619 BR Black (British Railways)
Real Coal and Weathered by TMC
Was £149.95 **NOW £133.49**



32-482Z Bachmann Class 40
233 Empress of England Plates Fitted
and DELUXE Weathering by TMC
Was £254.95 **NOW £226.49**

N SCALE - N SCALE - N SCALE



371-185 Graham Farish
Class 40 Split Headcode D338 BR Green
SYP with Deluxe Weathering by TMC
Was £209.95 **NOW £185.99**



372-210A Graham Farish
LMS 3F Jinty Tank 7309 LMS Black (Original)
Real Coal and Weathered by TMC
Was £139.96 **NOW £124.99**



371-660 Graham Farish
Class 57/6 57603 Tintagel Castle GWR
Green (FirstGroup) Weathered by TMC
Was £164.95 **NOW £144.76**



372-777 Graham Farish
SE&CR C Class 31227 BR Black E/Emb
Real Coal and Weathered by TMC
Was £179.95 **NOW £158.99**



371-641 Graham Farish
Class 70 With Air Intake Mods 70805
Colas Rail Freight Weathered by TMC
Was £189.95 **NOW £165.99**



371-988 Graham Farish
GWR 64XX Pannier Tank 6419 Real
Coal & Weathered by TMC
Was £159.95 **NOW £127.96**

www.themodelcentre.com t. 01947 899125
Hill Farm, Beck Hole, Whitby, YO22 5LF

DISCOUNT 'O' GAUGE

TOWER BRASS LOCOMOTIVES

R.T.R. in unpainted brass/factory painted
 GWR/BR Railcar 19-33.....£550.00
 GWR/BR Parcels Railcar No.34.....£550.00
 GWR 1361 Early black chassis.....£525.00
 GWR/BR 1361 Late black chassis.....£525.00
 LY/LMS/BR Pug black.....£450.00
 LNER/BR J39 0-6-0 black.....£815.00
 GWR/BR 8750 Pannier black chassis .£525.00

FULLY FINISHED R-T-R LOCOS

L&Y/LMS/BR Pug 0-4-0T.....from £525.00
 GWR/BR 1361 0-6-0ST.....from £695.00
 GWR/BR 8750 Pannier tank.....from £695.00
 GWR/BR Razor Edge railcar.....£835.00
 GWR/BR Parcels railcar.....£810.00
 LNER/BR J39 0-6-0.....£950.00
 LMS/BR Original Patriot.....£1650.00
 Over 100 R-T-R locos available off the shelf

GLADIATOR LOCO KITS

GL1 LNER/BR D10/11 4-4-0.....£340.00
 GL14 LNER / BR 04 TINY 0-8-0.....£350.00
 GL16 LNER / BR 01/1 0-8-0 TANK.....£320.00
 GL20 LMS/BR PRINCESS.....£460.00
 GL21 LMS/BR ROYAL SCOT.....£400.00
 GL23 LMS/BR BRITISH LEGION.....£400.00
 GL24 LMS/BR ORIGINAL PATRIOT.....£400.00
 GL28 LMS/BR 2P 4-4-0.....£320.00
 GL36 LBSC/SR/BR H2 ATLANTIC.....£410.00
 GL44 LNER/LMS / BR COAL TANK 0-6-2.....£270.00
 GL50 LNER/BR 2-8-8-2 GARRATT.....£650.00
 GL57 LNER / BR L1 2-6-4.....£320.00
 GL58 LNER / BR B1 4-6-0.....£380.00
 GL59 LNER / BR K1 2-6-0.....£370.00
 GTR62 SR/BR Urie King Arthur.....£460.00
 GL70 SR / BR SCHOOLS 4-4-0.....£410.00
 FT9 NER/LNER/BR G6/BTP 0-4-4T.....£240.00

MERCIAN LOCO KITS

SG5 LNER/BR J94 Austerity 0-6-0ST.....£180.00
 GW2 GWR/BR 14xx Autotank.....£175.00
TOWER COLLECTION (D.J.H.) BEGINNERS KITS
Includes wheels, gears and motor
 TC1 Class 02 0-4-0 Diesel Shunter.....£250.00
 TC3 Andrew Barclay 0-4-0 Steam Shunter.....£250.00

TOWER COLLECTION LOCO KITS

Require wheels, gears and motor
 TC2 LMS streamlined Coronation.....£595.00
 TC4 LMS/BR non streamlined Duchess.....£595.00
 TC5 LMS/BR de-streamlined Duchess.....£595.00
 TC6 LMS/BR Sir William Stainer.....£595.00
 TC7 LMS/BR Black Five 4-6-0.....£595.00
 TC14 LMS/BR Stainer 8F 2-8-0.....£595.00

D.J.H. LOCO KITS

K300 B.R. Standard 84xx 2-6-2T.....£399.00
 K301 B.R. Standard 2MT 2-6-0.....£457.00
 K302 LMS/B.R. watt 2-6-2T.....£399.00
 K303 LMS/BR Fairburn 2-6-4 T.....£415.00
 K310A LNER/BR A3 with Corridor tender.....£656.00
 K317B BR Britannia with BR1/1A tender.....£656.00
 K324B B.R. 9F 2-10-0 BR1B/BR1C.....£656.00
 K326 B.R. Class 03 complete kit.....£457.00
 K336 LNER/B.R. Peppercorn A2.....£656.00
 K338 LNER/B.R. G5 0-4-0T.....£457.00
 K340 B.R. Class 14 complete kit.....£457.00
 K344 NEW LNER/BR Hunt Class 4-4-0.....£525.00
 K345 NEW LNER/BR Thompson A2/1.....£656.00

PECO LINESIDE KITS

LK704 Wooden lineside hut kit.....£21.15
 LK705 Brick lineside hut.....£21.15
 LK709 Ground Level Signal Box.....£30.45
 LK710 Signal Box Interior Kit.....£22.50
 LK715 Brick Base Signal Box.....£42.00
 LK735 GWR Yard Crane.....£22.80
 LK741 GWR spear fencing.....£11.65
 LK742 GWR spear fencing ramps.....£11.65
 LK743 Field fencing and gates.....£10.55
 LK747 Telegraph Poles (6).....£9.85
 LK748 Ladders (4).....£7.95
 LK749 Loading Gauges (2).....£13.20
 LK750 Single track level crossing gates.....£21.45
 LK758 Platelayers tools.....£6.85
 LK759 Platform lamps (4).....£9.25
 LK760 Telephone boxes (2).....£9.25
 LK761 GWR Station seats (4).....£8.80
 LK762 MR/NER station seats (4).....£8.80
 LK763 SR/BR Station seats.....£8.80
 LK764 Bicycles (8).....£8.80
 LK765 Police Call Box.....£10.55
 LK790 GWR home or distant signal.....£19.75

SLATERS BR WAGONS AND VANS KITS

7062 B.R. 12ton Vanwide.....£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
 7053 LNER/BR 20T Brake Van.....£53.00

7C020 SECR/SR/BR 4 wheel PLV/GUV.....£79.00
 7C021P SR/BR Bogle Van.....£126.00
 7C022 SR/BR 4 wheel BY.....£80.00

PECO WAGON KITS

W601 GWR Toad brake can.....£42.75
 W602 GWR Permanent Way brake.....£42.75
 W603 GWR 6 wheel brake.....£44.50
 W604 GWR 4 plank open.....£36.00
 W605 GWR Steel Open.....£36.00
 W606 GWR 10 ton Van.....£44.00
 W607 BR 16 ton Mineral wagon.....£44.50
 W608 BR 27 ton Iron Ore wagon.....£44.00
 W609 BR 20 ton Pig Iron wagon.....£44.00

PECO 'O' GAUGE TRACKWORK

SLE786BH Curved R/H Point.....£58.00
 SLE787BH Curved L/H Point.....£58.00
 SL700BH 12 yards flexitrack.....£85.75
 SLE791BH Right Hand Point.....£46.25
 SLE792BH Left Hand Point.....£46.25
 SLE797BH Y Point.....£46.25
 SLE790BH Double Slip.....£97.50
 SLE794BH Long Crossing.....£52.50
 SL10 24 metal railjoiners.....£3.00
 SL11 12 insulated railjoiners.....£2.85
 SL740BH Buffer stop.....£3.00
 TP1 Long Track pins (15mm).....£3.25
 ST700 Box (6) 393mm straight.....£48.00
 ST725 Half circle 1028mm radius curves.....£51.25
 STU750BH R/H Setrack Point.....£44.25
 STU751BH L/H Setrack Point.....£44.25
 PL33 Microswitch.....£5.95
 PL19 Microswitch Housing (2).....£4.85
 PL80 Power Feed.....£7.50

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 LNER/WCJS loco coach & wgn.....£21.00
 H17 LTR/MR/SD/LY/MCR gds lettering.....£20.00
 H18 N.E.R. loco and coach lettering.....£21.00
 H20 CB/NB/GSWR/HVR/GNSR wgn lettering.....£20.00
 H22 B.R. mixed traffic/L.N.W.R. loco lining.....£20.00
 H24 MR/SDJR/LTR/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.....£34.50
 PS15 BR 21 Ton Mineral wagon.....£34.50
 PS16 LNER Loco Coal wagon.....£34.50
 PS17 BR 12 ton Pipe wagon.....£34.50
 PS23 GWR/BR 13 ton open wagon.....£34.50
 PS24 GWR/BR 12 ton unfitted van.....£34.50
 PS25 BR 24.5 ton mineral wagon.....£34.50
 PS26 GWR/BR 12 ton fitted van.....£34.50
 PS27 GWR/BR 12 ton open with tarp bar.....£34.50
 PS28 GWR/BR 12 ton plywood van.....£34.50
 PS29 GWR/BR Fruit van.....£34.50
 PS30 BR 16 ton mineral wagon.....£34.50
 PS31 BR 16 ton slope sided mineral.....£34.50
 PS32 BR 16 ton mineral (ex SNCF).....£34.50
 PS33 BR 8 Plank wooden mineral.....£34.50
 PS42 LMS/BR 12 ton open wagon.....£34.50
 PS45 LNER/BR 12 ton goods van.....£34.50
 PS46 LNER/BR 12 ton fruit van.....£34.50
 PS49 GWR/BR Mica van.....£34.50
 PS100 SR/BR Banana van.....£34.50
 PS101 SR/BR Meat van.....£34.50
 PS104 BR 21 ton coal hopper.....£34.50
 PS106 SR/BR Cattle truck.....£34.50
 PS112 GWR/BR Gunpowder van.....£34.50
 PS114 LMS/BR Banana van.....£34.50
 PS115 LNER/BR Brake Van.....£41.00

BACHMANN SCENECRAFT BUILDINGS

47040 Diesel Refuelling Point.....£39.95
 47047 Hampton Hill Platelayers Hut.....£19.95
 47203 Low Relief Corner Shop.....£19.95
 47009 Single Engine Shed.....£60.00
 47-541 Walls & Gates.....£25.45
 47-558 Corrugated Shed.....£16.95
 47-572 Midland Water Crane.....£25.45
 47-002 Washing Plant.....£84.95
 47-0054 Mess Room.....£59.50

NEW DAPOL 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
NOW AVAILABLE

LIONHEART SUBURBAN COACHES

Fully finished superb quality with interior details and lights.
 2 car 'B' set G.W.R. or B.R. 6 types
RRP £470.50 OUR PRICE £399.99
 4 car D set G.W.R. or B.R. 4 types
RRP £823.50 OUR PRICE £699.99

NEW DAPOL SENTINEL Y1/Y3

LNER, LMS, GWR, B.R. or N.C.B.
Basic RRP £175.00 OUR PRICE £148.75
DCC fitted RRP £205.00 OUR PRICE £174.25
Sound fitted RRP £350.00 OUR PRICE £297.50
NOW AVAILABLE

DAPOL (EX LIONHEART) PANNIERS

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

NEW DAPOL 57XX/8750 PANNIERS

57xx in BR Livery
 8750 in GWR & BR Liveries with riveted tank option
Basic Version RRP £235.00 OUR PRICE £199.75
DCC Fitted RRP £265.00 OUR PRICE £225.25
AVAILABLE 2020

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
 3 grey liveries available
RRP £79.95 OUR PRICE £67.95
CUSTOM WEATHERED £92.25

DAPOL HEA & HAA COALWAGONS

4 Types of each
RRP £54.95 OUR PRICE £46.95
HAA'S LAST FEW - HEA'S 2020 RELEASE

TOWER MODELS LIMITED EDITION DAPOL WAGON SETS

Set of 6 Esso or Shell BP Tankers
RRP £324.48 OUR PRICE £275.00
 Set Of Six Planked & Plywood Vans
RRP £299.70 OUR PRICE £255.00
NOW AVAILABLE

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
NOW AVAILABLE

DAPOL (EX LIONHEART) 45XX PRAIRIE

Superb quality fully finished with diecast body and excellent detail. Choice of six liveries, numbered and un-numbered.
RRP £495.00 OUR PRICE £420.75
Sound fitted RRP £850.00 OUR PRICE £552.50
Available Spring 2021 Reserve yours now

DAPOL CLASS 121 & 122

Choice of 5 liveries
List Price £299.00 OUR PRICE £254.15
DCC Sound List Price £499.00 OUR PRICE £424.15
Available Soon. Reserve yours now

NEW DAPOL MOTORIZED SIGNALS

GWR & LMS Home 4 versions
List Price £55.95
OUR PRICE £47.55

NEW HELJAN Mk2 / 2a COACHES

T.S.O. / F.K. / B.S.O. / B.F.K.
RRP £279.00 OUR PRICE £237.25
DUE FOR RELEASE 2021
ADVANCE ORDERS WELCOME

NEW HELJAN CLASS 117

2 Car and 3 Car D.M.U.
 Available in a range of liveries from Cats Whiskers to N.S.E.
Available 2021
Reserve yours now

NEW HELJAN CLASS 37/0

Split headcode
RRP £599.00 OUR PRICE £509.15
NOW AVAILABLE

NEW HELJAN CLASS 37/4

EWS or Regional Railways
RRP £599.00 OUR PRICE £509.15
NOW AVAILABLE

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 £699.00 OUR PRICE £594.15
NOW AVAILABLE
See our website for full details

NEW HELJAN 43XX MOGUL

6 standard versions in G.W.R. and B.R.
 all un-numbered and
 2 limited editions numbered
List Price £779.00 OUR PRICE £662.15
NOW AVAILABLE

HELJAN CLASS 45

2 liveries available
RRP £699.00 OUR PRICE £550.00
LAST FEW

NEW HELJAN CLASS 03

5 liveries available
 Both numbered and un-numbered
List Price £399.00 OUR PRICE £335.75
NOW AVAILABLE

TOWER MODELS LIMITED EDITION ICI WAGONS

1950's:
 Red Salt Van (9 types) £42.50 each
 5 plank opens (2 types) £38.00
NOW AVAILABLE
 1960's:
 Blue Salt Vans (4 types) £42.50
 5 plank Lime (5 types) £40.00
 5 plank Alkalid (5 types) £40.00
AVAILABLE OCTOBER
 16 ton minerals
 SODA ASH Livery (3 numbers) £41.50
AVAILABLE SUMMER 2021

NEW HELJAN WAGONS

Heljan Catfish RRP £99.95
OUR PRICE £79.95 or £75.00 for 6 or more

NEW HELJAN CLASS 33

Early and Late Versions
RRP £549.00 OUR PRICE £466.65
11 Liveries IN STOCK

NEW HELJAN CLASS 31/0

Limited Re-run Six liveries planned
RRP £549.00 OUR PRICE £466.65
NOW AVAILABLE

HELJAN CLASS 31/1 & 31/4

Various liveries
RRP £549.00 OUR PRICE £466.65
Available Spring 2021

HELJAN CLASS 35 HYMEK

Limited Re-run Four liveries planned
RRP £495.00 OUR PRICE £420.75
NOW AVAILABLE

HELJAN CLASS 55

3 Liveries Available
RRP £599.00 OUR PRICE £509.15
NOW AVAILABLE

NEW HELJAN CLASS 47

2 Versions, 1960/70s & 1980/90s
 Eleven liveries planned
RRP £699.00 OUR PRICE £594.15
AVAILABLE SPRING 2021

HELJAN CLASS 56

Total of 8 liveries
RRP £699.00 OUR PRICE £594.15
AVAILABLE SPRING 2021

HELJAN CLASS 40

CENTRE HEADCODE 5 liveries
RRP £549.00 OUR PRICE £466.65
AVAILABLE LATE 2020

NEW HELJAN CLASS 17

Four liveries Available
RRP £549.00 OUR PRICE £466.65
AVAILABLE END 2020

HELJAN DIESEL DEPOT

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

HELJAN AC RAILBUS CLEARANCE

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

NEW HELJAN CLASS 50

Selling fast, 3 liveries available
RRP £699.00 OUR PRICE £594.15
NOW AVAILABLE!

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 Mail red
RRP £325.00 OUR PRICE £169.15
STOCKS NOW RUNNING LOW

HELJAN CLASS 42 WARSHIP

8 Liveries Available
RRP £699.00 our price £550.00

OUR WEBSITE CONTAINS 4,000 IMAGES AND IS UPDATED SEVERAL TIMES A WEEK

TOWER MODELS, 44 Cookson St., Blackpool FY1 3ED

Email: sales@tower-models.com

TEL: 01253 623797 or 623799

TELEPHONE CREDIT CARD ORDERS WELCOME. WORLDWIDE MAIL ORDER

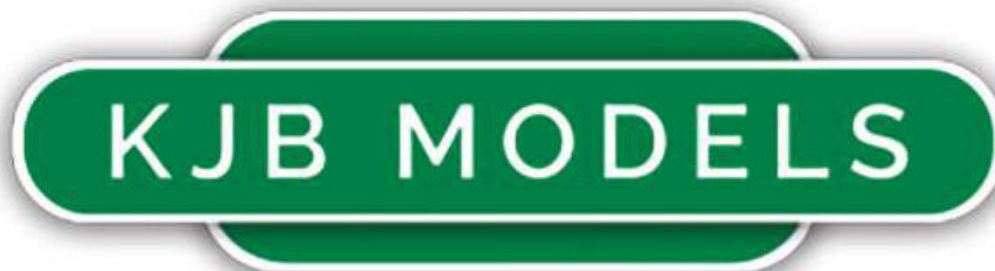
Visit our well stocked shop, 200 yards from Talbot Rd. Bus Station (Blackpool North Railway Station 400 yards). Open Mon to Sat 9.30 to 5.00

Visit our website: www.tower-models.com

POSTAGE CHARGES

Orders up to £35.00 plus £2.50 p&p.
 Orders £35.01 to £150.00 plus £6.00 p&p.
ORDERS OVER £150.00 POST FREE
 Overseas orders postage charged at cost.

All prices include VAT @ 20%.
 We reserve the right to alter prices without notice.



NEW & SECONDHAND MODEL RAILWAY DEALER

Please visit our website
www.kjbmodels.co.uk



**NEW MODEL
SHOP OPENING
SOON IN HENSALL,
YORKSHIRE**

Please follow our Facebook page
where we will announce the
opening date

CLICK & COLLECT NOW AVAILABLE

(terms & conditions apply)

Shop not open for browsing yet

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



DO YOU HAVE A MODEL RAILWAY COLLECTION TO SELL?

FIRST...

Send your list
of items via
post or email

THEN...

We will do a
professional
evaluation of
your collection

NOW...

Send your
items or we will
travel to collect

FINALLY.

We can pay by
Bank Transfer
or cash

www.webuymodelrailways.co.uk



Visit us on
FACEBOOK

Tel: 01977 525861/07542 710005

Email: enq@kjbmodels.co.uk



PayPal

Boxes, bottles or logs...?

...Revolution has it covered!



FWA 'Ecofret' container flat

In service with VTG, GBRf, Freightliner and DB Cargo.

00 twin £100/triple £135

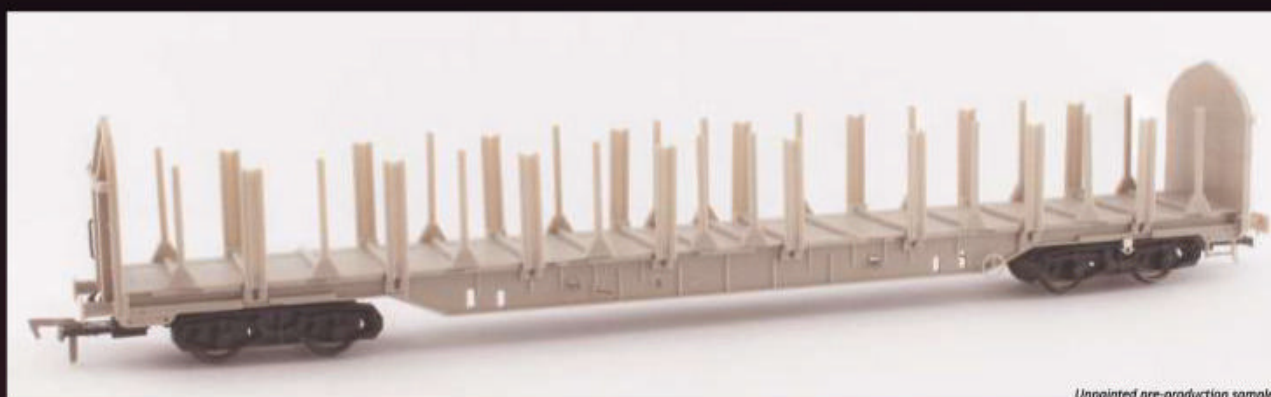
N twin £75/triple £102.50

IWA 'Sfins2' holdall van

Used by Norsk Hydro, Cargowaggon and DB Cargo for fertilizer, water and metals.

00 twin-pack £75

N twin-pack £70



IWA 'Rfnoos' timber carrier

Used by Colas/Touax for log deliveries to paper mills.

00 twin-pack £75

N twin-pack £70

Order direct online before production starts for our lowest price. Development is almost over, and the order books will be closing soon.

See our website for other great models in 0, 00 and N including the SR General Manager's saloon 'Caroline', Mk5 Caledonian Sleeper and Trans Pennine Express coaches, hoppers, car carriers and tankers from the 1960s to the present day.

To order these models and others
see our website:

www.revolutiontrains.com

Revolution
trains

Follow us for updates:



Revolution Trains



@baby_pendo

EVERYTHING YOU NEED FOR YOUR DIGITAL RAILWAY

DIGITRAINS

**Just starting out in DCC and not sure what's available?
Grown out of your system and thinking of upgrading?
Getting into sound and want to know the best decoders?**

DIGITAL COMMAND CONTROL (DCC) is one of the fastest growing areas of the model railway hobby.

As the first new company to set up as a DCC specialist in the UK. DIGITRAINS now has over 12 years experience to share. Working in all the popular scales, we are here to guide you through choosing the best equipment.

We stock a wide range of products as well as offering free advice, a decoder installation service and the best DCC 'test drive' facility around.

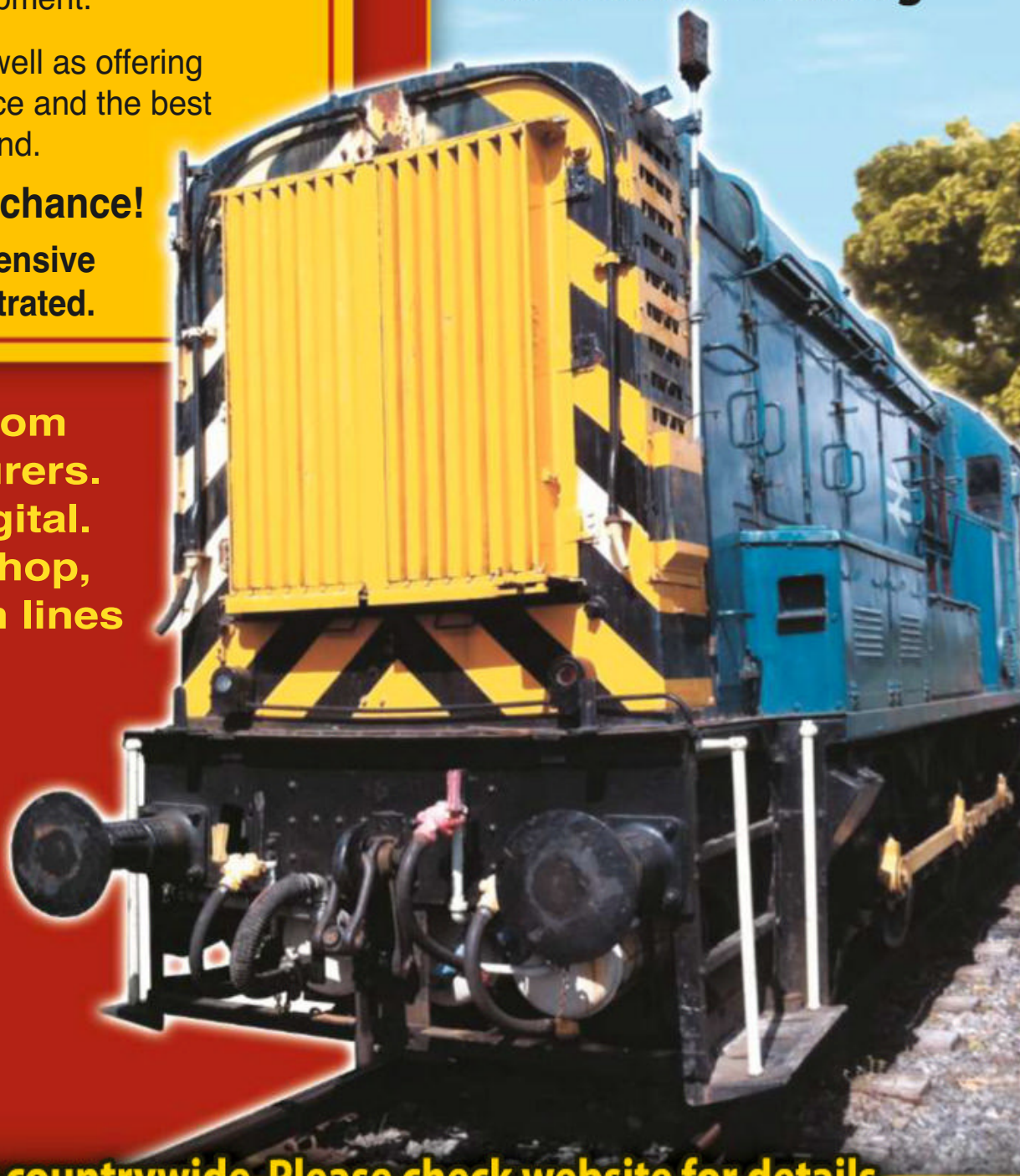
Don't leave that major purchase to chance!

Why not visit our shop? Our comprehensive library of loco sounds can be demonstrated.

We stock 1,000s of products from more than 30 leading manufacturers. And don't worry if you're not digital. We're also a traditional model shop, holding all the major ready-to-run lines



- Try before you buy
- Expert advice
- Great service
- Experience
- Major brands
- Worldwide mailing



We regularly attend railway shows countrywide. Please check website for details

**15 Clifton Street, Lincoln LN5 8LQ
01522 527731**

**www.digitrains.co.uk
enquiries@digitrains.co.uk**



OO SCALE HAA TRIPLE PACKS

IN COLLABORATION WITH KMS RAILTECH AND TRAINS4U



HAA Triple Pack - Railfreight



HAA Triple Pack - Coal sector



HAA Triple Pack - EWS



HFA Triple Pack - Coal sector



HFA Triple Pack - EWS

ALL TRIPLE PACKS HAVE EXCLUSIVE RUNNING NUMBERS

AVAILABLE TO PRE - ORDER NOW - EXPECTED Q3 2021 MSRP £89.95 PER PACK

KMS Railtech
www.kmsrailtech.co.uk
Telephone: +44 (0) 131 618 8822
Email: info@kmsrailtech.co.uk



Trains4U
www.trains4u.com
Telephone: +44 (0) 1733 895989
Email: Trains4u@btconnect.com

CAVALEX Models
For modellers, by modellers.

www.cavalexmodels.com
YouTube Instagram Facebook Twitter @cavalexmodels

27 St. David's Square, Fengate,
Peterborough, PE1 5QA
01733 895989

Trains4U.com

Stockists of new and used in N, OO & O gauges
Plastic Kits, Scalextric, Games Workshop,
Tools, accessories and more
Email: Trains4u@btconnect.com

HORNBY® Pre-Orders

Still available to order... Call us to reserve



W1 "Hush-Hush"		
R3840 - 10000 LNER Grey		£199.95
R3841 - 10000 "British Enterprise" Grey		£199.95
R3842 - 10000 LNER Green		£199.95
R3843 - 10000 Rebuilt LNER Garter Blue		£199.95
R3844 - 60700 Rebuilt BR Green		£199.95
Thompson A2/2 & A2/3		
R3830 - A2/2 "Cock o' the North" BR Early		£189.95
R3831 - A2/2 "Thane of Fife" BR Late		£170.95
R3832 - A2/3 "Edward Thompson" LNER Green		£170.95
R3833 - A2/3 "Chamossaire" LNER Green		£170.95
R3834 - A2/3 "Steady Aim" BR Early		£170.95

Class 370 Advanced Passenger Train
R3873 - Sets 370 003 and 370 004, 5-car pack £355.50
R3874 - Sets 370 001 and 370 002, 7-car pack £436.50
All carriage packs available at 10% off RRP

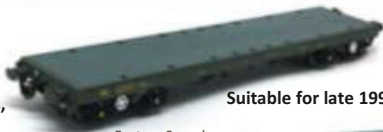


DCC & Sound Fitting, Repairs & Servicing
Custom Weathering, Custom Detailing
Renaming & renumbering.
Call or email for a quote.
Weathered models available
in store and on our website

MATT FINISH
Weathering by
Trains4U

CAVALEX Models Trains4U Exclusive MOD KFA / PFB WARFLAT - OO Gauge

PFB Green with green
bufferbeams & jacks
Suitable for 1976 to mid 1990s,
Four versions available



KFA, Green with yellow
bufferbeams & jacks
Suitable for late 1990s to today, Four versions available



Pre-order now, no deposit required. £35.00 each
Expected winter 2020



©Brian Daniels

CAVALEX Models OO PGA Hoppers



PGA012OR - Original Redland
PGA012R(2) - Redland
PGA012R(3) - Redland with end panels **LOW STOCK**
PGA012LR(A) - Redland Large logo **LOW STOCK**
PGA012LR(B) - as (A) with end panels
PGA012W(1) - Plain white, no ladders, end panels
PGA012W(2) - Plain white, no ladders
PGA012W(3) - Plain White Ladders **SOLD OUT**
PGA012P(1) - White with patch, no ladders, end panels
PGA012P(2) - White with patch, no ladders
PGA012P(3) - White with patch, ladders **LOW STOCK**



Available now, online or in-store, £32.50 each

Follow us on:



Store Opening Times:
Tuesday - Saturday 10:00 - 17:00
Sunday 10:30 - 15:30. Closed Mondays
Free Parking on site

Airbrushes.com

With over 70 Years' experience in the Airbrush Industry

Add some zest to your workbench with the new
SPARMAX® Quantum Orange Compressors

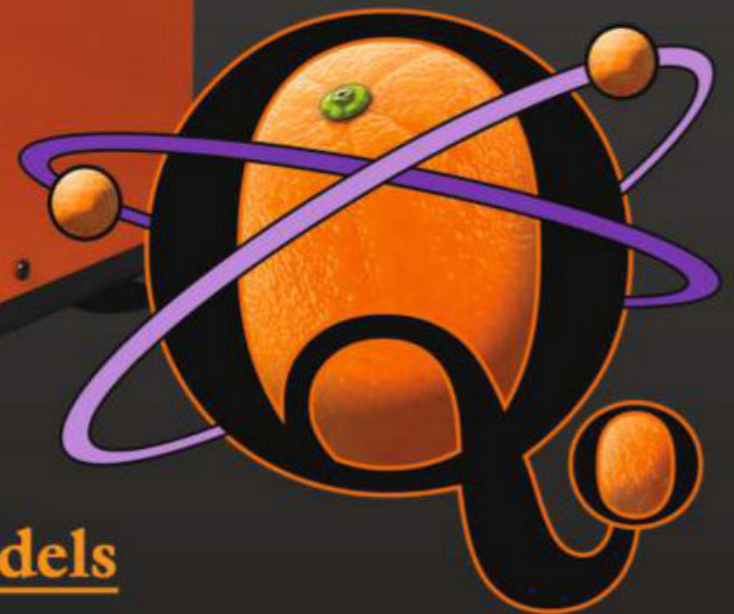
Added Features

- 2 x Air Outlets, both with Quick Release fittings
- 2 x Braided Hoses with Quick Release fittings



Special Edition

Pearl Metallic Orange case!



2 Compressor models

For more information visit:
www.Airbrushes.com

For any airbrush project, we have you covered!

iwata

LIQUID
PIGMENTS

Alclad II



DARKSTAR
MOLTEN METALS

LIFECOLOR
ACRYLIC HOBBY COLORS

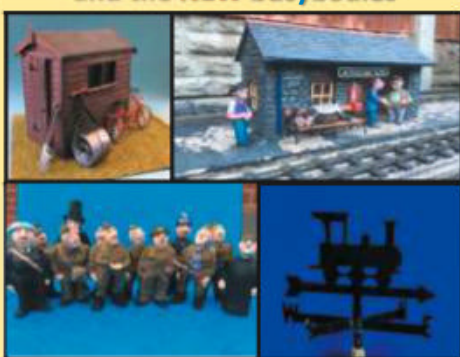
www.Airbrushes.com

01903 767800

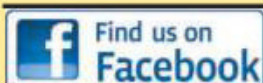
sales@airbrushes.com

CARNFORTH MODELS

**Temporary
Opening times
10:00am – 4:30pm
Tuesday, Friday, Saturday
Located on Carnforth Station
01524 730101
www.carnforthmodels.co.uk
Home of PendleValley Workshop
and the NEW busybodies**



**N Gauge – OO Gauge – O Gauge –
SM32 – 45mm – Paints – Plastics –
Scenery**



Illustrated Catalogues Including Post
OO, OO9 (1/76th) Full Colour £6.50
N (1/148th) Full Colour £5.50
O (1/43rd) Full Colour £4.50

Mail Order By Return P+P £4,
over £40 Post Free. Unpainted metal
kits-glue with epoxy glue (£7)

LANGLEY MODELS

166 Three Bridges Road, Crawley, Sussex, RH10 1LE
Tel 01293 516329 www.langleymodels.co.uk

OO SCALE

Gravestones £7.55, church
board and crucifix £6.05, lych gate
£8.00. Wedding scene £8.30.
GWR Water Tower £9.55.
LMS Parachute water tower £9.55.
Loads of other kits in our
illustrated colour catalogue website
www.langleymodels.co.uk



4 x Lightweight pallets and sack loads	£5.15
Building Skip with Rubbish load	£7.15
10 Children playing (modern 80's)	£7.40
Royal Mail Tricycle and Box incl transfers	£7.40
Windmill-Smooch Mill (detailed brass-etch)	£132.40
6 Tennis Players in action poses	£5.90
Tennis umpire linesmen & ballboys 7 figs	£6.10
4 Postman and 1 Bicycle	£5.95
2xPub table/bench unit (laser cut in real wood)	£5.45
6 WW2 Army Figures Relaxed poses	£6.40
6x WW2 Army Figures in action poses	£6.40
Seated Coach Passengers set 1	£5.70
Seated Coach Passengers set 2	£5.70
Seated Coach Passengers set 3	£5.70
8 assorted Walking Women	£7.15
8 assorted Walking Men	£7.15
4 Lineside Men digging, bolt greaser bolt tightener pair	£4.80
4 Lineside men set 2 3 track straighteners + pickaxe	£4.80
4 Seated lying down drunks	£4.80
4 drunks/wino's dancing, pukeing, peeing and sleeping	£4.80
6 1950's Station figs guards fat controller porter etc	£6.30
6 ass Gravediggers. Pick, shovel and lamp holders	£6.30
Canadian Canoe and 2 paddling	£6.85
Canadian Canoe paddling and resting figure	£6.85
3 Deep-sea Divers, 2 helpers, compressor	£6.75
3 x Kids/ R.C. Toys, 1 adult launching plane	£6.30

Nightwatchman with hut & brazier	£7.90
2 prams, childrens trolley & 3 figures	£6.80
Wishing well and Dove cote	£5.25
8 Police/traffic wardens/school Xing figs	£7.50
Crazy Golf course set- figures, flags etc	£25.40
4 Platform double bench seats	£4.60
10 pieces of platform luggage	£4.60
4 15' Platform canopy pillars	£5.60
4 x 12' Platform Canopy Pillars	£5.60
8 x small station canopy brackets	£5.60
5xStation Valance pointed trim	£5.60
5x Station Valance ball trim	£5.60
10 Geese & Turkeys	£6.35
Beach Set Inc figs, lilo's sandcastle's etc	£8.90
3 Assorted Donkeys & Rider	£8.25
TV Aerials/weather vanes	£12.30
Cub Scouts camping 1930on, figs & tents	£12.90
10ft Atlantic Canvas Scout Tent	£5.95
1960's onwards Cub / Scouts on Parade	£8.40
Pre 1950's Cub/Scout on Parade	£8.40
1960's on Cubs/Scouts & Flag Bearers	£8.40
pre 50's Cub/Scouts & flag bearers	£8.40
8 assorted Sailors	£7.50
3 Council Workers and Hand Cart	£8.30
10 Seated Spectators	£7.90
6 Ass Boilermakers/loco repair figs	£6.05



**N Scale Kits
Large Station
Boards x 2 £3.65
(small £3.65)
Leyland Freighter
Skip Lorry £9.40**



2 Horse Plough and Ploughman	£5.30
15 ass Loco Lamps (square, round, guard)	£3.10
30 shell vents (extra detailing for coaches)	£3.10
20 torpedo vents (extra detail for coaches)	£3.10
Ass Loco Vacuum Pipes	£3.10
Childrens Playground & figures	£9.80
Church Lych Gate	£5.20
Church Notice Board & Crucifix	£4.20
Forresters saw horse set and axe	£4.95
6 Large (50 gallon) Oak Barrels	£4.20
Water Butt and 5 Tubs	£4.20
12 Wharfedale Bollards	£4.20
Lifebelts & Stands	£4.20
12 Chimneys (round/tapered/Hexagonal)	£3.65
Welding Figures & Equipment	£4.95
2 Relaxed Loco Crew	£1.95
5 x Gardeners & Equipment	£5.30
Flower pots and tubs & gardening equip	£5.60
7 x Figures in working poses	£5.30
9 x Ass Standing Station figures	£5.50
Gantry Hoist	£5.85
New Gibbet Crane (wall or floor mounted)	£4.95
Air Compressor and Electricity Generator	£7.10
4 pallets & hydraulic pallet truck	£4.70
Beehives and bee-keepers	£4.95
6 Bulk Building Bags	£4.20
Garage Forecourt scene (1920/30's)	£8.35
Lattice footbridge	£23.15
6 barrels (wooden style) & 6 milk churns	£3.85
Grave & Tombstones - assorted	£4.60
2 trackside ballast bins	£3.25
trackside Relay boxes (3 types)	£3.25
Coal Staithes (bunkers) & nameboard	£8.80
Platelayers hut	£6.05
6 dummy Point motors	£4.50
2 Costermongers & barrows	£4.50
SR and GWR Fencing - etched brass	£12.25
Fencing and gates -etched brass	£12.20
Assorted Figures	£5.50
LNWR/LMS Signal box & interior	£28.35
Pavillion (cricket, football, café, scouts etc)	£19.95
Conservatory, chairs & tables	£11.00
Greenhouses & garden sheds	£11.00
War Memorial	£3.90
Cliff Railway Incl coaches & motorizing	£127.40
Suburban Station building	£19.30
Stained glass windows - small	£5.60
Drain & Manhole Covers (brass)	£4.10
10 Oil Drums	£3.85
2 rowing boats & fisherman	£5.50
Country Garage (incl folding doors)	£19.95
3 Harnessed Horses	£4.35



1970s Pedestrian Figures
Available in N, TT, OO & O Scale
from £4.99 each



WWW.SMARTMODELS.CO.UK
Download and Print Building Kits

MIKE PETT'S SUPERCASST OO MODEL RAILWAY FIGURES

NEW MODELS £1.99 each unpainted



VOTED WINNER OF MODEL RAIL 2017 NATIONAL AWARDS SCENIC ACCESSORY OF THE YEAR

HAND PAINTED MODELS 'OO' Gauge £4.99 each



Painted OO Gauge £4.99 each, Unpainted OO Gauge £1.99 each, Painted O Gauge £10.50 each, Unpainted O Gauge £8.50 each
MINIMUM ORDER 2 FIGURES. Post & Packaging: O Gauge figures £3.99 - OO Gauge figures £2.75 Trade Enquiries Welcome.
Please make cheques and PO's payable to: Mike Pett, 12 Chatham Street, Ramsgate, Kent, CT11 7PP
01843 593417 Mob: 07976 724225 Email: mikepettsupercast@gmail.com

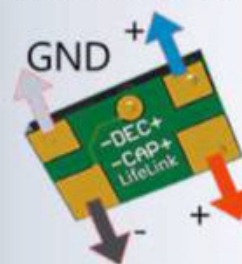
YouChoos

DCC Sound

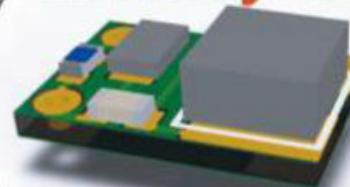
immersive Drive

YouChoos LifeLink
just got even **smaller!**

Stay-Alive connection circuit



still only £7



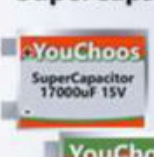
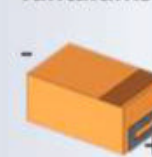
10 x 7 x 2.3mm

Use YouChoos' **LifeLink** to connect any 15-16v capacitor via this circuit to add stay-alive to any decoder that provides common positive (normally BLUE wire) and a GROUND connection (normally a solder pad)

Tantalums

Electrolytics

SuperCaps



LifeLink packages with 16V Tantalums and SuperCaps available

01380 530530

www.YouChoos.co.uk

info@youchoos.co.uk



GOLDEN VALLEY HOBBIES



Busch
1143 Icicles
£4.55



Busch 5416
3 Red Star Decorations
£20.90



Busch 89010
3 Snowy Cars
£20.50



Busch 7855
Action Set: Ice Rescue
£16.90



Busch 7856
Action Set: Slipped
£9.10



Busch 7858
Accident With Snowy Car
£16.90



Busch 5409
Snow Covered Tree & Lights
£18.20



Busch 7170
Glittering Snow Powder
£7.10



Busch 6465
10 Snowy Trees & Snowman
£14.60

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
Prices are correct at time of print and are subject to change.



Model Railways
www.dreamsteam.co.uk

We Are Open

Monday - Friday 10am - 4:30pm

Saturday 10am - 1pm

Vanguard House

Quarry Wood Industrial Estate

Mills Road Aylesford

Kent

ME20 7NA

On the main road look out for our **flag** and **swing sign!**

Call us on 0800 022 4473

Or email us at sales@dream-steam.com

We Stock 16mm OO OO-9 N Gauge

You can visit our showroom or order online and over the phone

These are just an example of brands we stock



WWW.MODELRAILSHOP.CO.UK

01274 747447

shop@fmrtdirect.co.uk

8A Sapper Jordan Rossi Park

Otley Road, Baildon

West Yorkshire, BD17 7AX

Open 10am - 4.30pm Mon to Sat

FRIZINGHALL

MODELS & RAILWAYS

The Modellers
Choice Since
1950

HORNBY®

Items Expected Winter
2020/2021

R3649 - BR, Merchant Navy Class, 35029 'Ellerman Lines' - Era 4.....	£161.99
R3725 - BR, Class 5101 Large Prairie, 2-6-2T 4160 - Era 5.....	£125.99
R3762 - LNER Hitachi IEP Bi-Mode 'Azuma 5 Car Train Pack' Era 11.....	£355.49
R3825 - Peckett 614, Centenary Year Limited Edition - 2016.....	£98.99
R3830 - BR, Thompson Class A2/2 'Cock o the North' - Era 4.....	£170.99
R3831 - BR, Thompson Class A2/2, 60505 'Thane of Fife'.....	£170.99
R3833 - LNER, Thompson Class A2/3, 515 Chamossaire.....	£170.99
R3834 - BR, Thompson Class A2/3, 60512 Steady Aim.....	£170.99
R3835 - BR, Thompson Class A2/3, 60523 'Sun Castle' - Era 5.....	£170.99
R3840 - LNER, Class W1 'Hush Hush' 4-6-4, 10000 - Era 3.....	£179.99
R3841 - LNER, Class W1 'Hush Hush' 4-6-4, British Enterprise.....	£179.99
R3842 - LNER Promotional, Class W1 Hush Hush, 10000.....	£179.99
R3843 - LNER, Rebuilt Class W1, 4-6-4, 10000 - Era 4.....	£179.99
R3844 - BR, Rebuilt Class W1, 4-6-4, 60700 - Era 4.....	£179.99
R3862 - LSR, Lord Nelson Class, 864 'Sir Martin Frobisher' - Era 3.....	£152.99
R3864 - GWR, Star Class, 4-6-0, 4003 'Lode Star' - Era 3.....	£161.99
R3865 - BR, Standard 7 Britannia Class, 'Oliver Cromwell' - Era 4.....	£179.99
R3873 - BR, Class 370 Advanced Passenger 5 Car Set.....	£355.50
R3874 - BR, Class 370 Advanced Passenger 7 Car Set.....	£436.50
R3880 - BR, Class 31, A1A-A1A, 31147 'Floreat Salopia' - Era 8.....	£161.99
R3883 - GBRf, Class 50, Co-Co, 50049 'Defiance' - Era 11.....	£161.99



R3843 - LNER, Rebuilt Class W1, 4-6-4, 10000 - Era 4 - **£179.99**



Expected Winter 2020/21 'OO' Gauge

31-741 - MR 1532, Class 0-4-4 - 1273, MR Crimson.....	£127.46
31-742 - MR 1532, Class (1P) 0-4-4 - 58072, BR Black, Early Emblem.....	£127.46
31-998 - LMS 10001, BR Black, Early Emblem.....	£157.25
31-999 - LMS 10000, BR Black, Early Emblem.....	£157.25
32-529C - Class 55 D9010 'The Kings Own Scottish Border' BR Gm SYP.....	£152.96
32-532A - Class 55 'Deltic' 55003 'Meld' BR Blue.....	£152.96
32-683RJ - Class 45/0 No. 45022 'Lytham St. Annes' BR Blue.....	£135.96
32-755A - Class 57/3 57314, Arriva Trains Wales (Revised).....	£157.21
32-756A - Class 57/6 57602, 'Restormel Castle' GWR Green (FirstGroup).....	£157.21
32-940 - Class 150/2 2 Car DMU, 150232 GWR Green (FirstGroup)(PF).....	£229.46
32-941 - Class 150/2 2 Car DMU, 150275 Northern.....	£220.46
32-983 - Class 66/7 66779 'Evening Star' GBRf, Brunswick Green.....	£127.46



Expected Winter 2020/21 'N' Gauge

371-111A - Class 31, D5616 BR Green, Small Yellow Panel.....	£127.46
371-113 - Class 31, 97204, BR RTC Grey & Red.....	£127.46
371-135 - Class 31/1 (Refurbished) BR Original Railfreight 31154.....	£127.46
371-136 - Class 31/1 (Refurbished) Railfreight Petroleum, 31319.....	£127.46
371-137 - Class 31/6 (Refurbished) Network Rail, 31602.....	£127.46
371-180A - Class 40 Disc Headcode D248, BR Green, Late Crest.....	£135.96
371-184 - Class 40 Disc Headcode 40012, Aureol, BR Blue.....	£135.96
372-160 - LNER Class O6, (8F) 2-8-0, LNER Black, 3506.....	£144.46
372-161 - LMS Stanier Class, 8F 2-8-0 LMS Black, 8035.....	£144.46
372-162 - LMS Stanier Class, 8F 2-8-0 LMS Black Early Emblem.....	£144.46
372-163DS - LMS Stanier Class, 8F 2-8-0 BR Black, DCC Sound.....	£220.96

EFE Rail

Expected Winter 2020/21 'OO' Gauge

E99939 - London Underground 1938 4 Car Set Northern Line PREORDER.....	£297.50
--	---------

Servicing & Repairs - DCC Sound Fitting - Servicing
- DCC Decoder Fitting - Buying Advice

OFFICIAL STOCKIST
SOUND FILES SUPPLIED BY
YOUCHOOS & DIGITRAINS



FREE POSTAGE
over £175
(UK mainland only)

We buy second-hand model railway items. Speak to our friendly & experienced staff for more information. 'Cash or Exchange'

Plastruct Plastruct Plastruct



Please ask your model shop for genuine Plastruct fineline Styrene structural shapes.

Range contains over 70 shapes including: Angles, I-Beams, Channels, Columns, Deep Channels, Tees and Z Sections, Round, Rectangular and Square Tubing, Plastic Strips and Sheeting, Scale Ladders, Stairs and Railings, Open Web Trusses.

Essential for all scratch model makers.

www.plastruct.co.uk

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 Adhesives Solvents and Fillers

Mek Pak, Plastic Weld, Butanone, MEK, Track Cleaners
Deluxe-Rocket, Vital Bond, Zap-a-Gap, Devcon, Araldite
Copydex, Evostick, UHU, Canopy Glue
Micro Sol, Micro Set, Kristal Klear
Milliput, DAS, Squadron
And So Much More

Visit our webshop www.eileensemporium.com



THE HOBBY SHOP
Est. 1988

www.hobb-e-mail.com 01795 531666 info@hobb-e-mail.com
85 Preston Street, Faversham, Kent. ME13 8NU



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-Cirkit, 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



FOR MODELLERS WHO REQUIRE QUALITY, ACCURACY, PERFORMANCE & DURABILITY

The new name in brass O gauge RTR locomotives, built to the highest standards

Fully finished by SAM Models in Korea after extensive UK research, design and development.

www.55H.co.uk
www.finescalebrass.co.uk

55H Unit 3 Fulford Business Centre,
35 Hospital Fields Road, York YO10 4DZ
Tel: 01132 761759 / John@55h.co.uk

SPECIAL OFFER

FREE whilst stocks last - a fully finished Terrier or J50 with any purchase of Britannia & Duke of Gloucester models. See website for details

LAST FEW 9F MODELS!
Call for availability!

55H is a TRADING NAME OF **FINESCALEBRASS**

LIMITED STOCK!!



7MT "Britannia" class choice of names & tender. Fully factory finished and tested ready to run on delivery.
£2750.00 DC £3150.00 DCC & sound £3350.00 DCC, sound & sync smoke

LIMITED STOCK!!



8P "Duke of Gloucester" choice of era's. Fully factory finished and tested ready to run on delivery.
£2800.00 DC £3200.00 DCC & sound £3450.00 DCC, sound & sync smoke



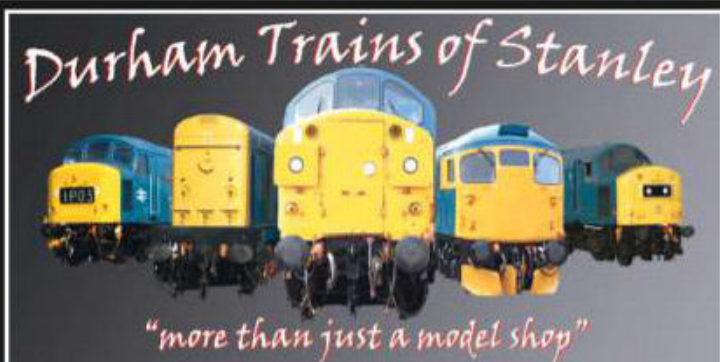
Build: Roger Scanlon
Painted: Paul Moore
For illustration purposes only

NUMBERS ARE LIMITED - Call now to reserve the number/version required

NEW MODELS IN PRODUCTION AVAILABLE LATE 2021

BR Standard 5MT (incl Caprotti version)
BR Standard 4MT 2-6-0 & 4-6-0

PRE-ORDER PRICES:
£2750.00 DC
£3150.00 DCC & sound
£3350.00 DCC, sound & sync smoke



6 Station Road, Stanley, County Durham DH9 0JL
Tel: 01207 232545
email: durhamtrainsofstanley@gmail.com
Opening times: 9.30 - 5.00 Mon, Tues, Fri & Sat, 11-7 Thurs, Closed Wed.
DCC Fitting
www.durhamtrainsofstanley.co.uk



Isinglass GNR D310 Milk Brake
Model and Photo by Ken Lavey

Kits include:
 GNR Diag 310 Milk Brake
 Gresley 32' Brake
 GNR All 3rd & Compo Quad
 GE Diagram 80/85 Quint
 61' 6" stock
 52' 6" GE Stock

Isinglass carriage kits, 3D printed in high detail resin. Easy to assemble, easy to paint

23 Oak Tree Road, Thatcham. Berks. RG19 4QP
 Andy@Isinglass-models.co.uk 07791 241863

HOWES
MODELS LTD

75+!
 1939-2019

**UNIT 16B, STATION FIELD INDUSTRIAL ESTATE,
 ROWLES WAY, KIDLINGTON, OXFORD OX5 1JD**
01865 848000, Open 08:00-16:00 Mon-Fri; Sat 09:00 to 16:00

HOWES THIS FOR SOUND!

**PROBABLY THE BEST AVAILABLE
 AND NOW THE BEST FOR LESS
 NEW LOW PRICE £109.99!**

Hundreds of hours have been invested by our experts to ensure you receive what we believe to be the best UK sounds available. We can supply ESU Loksound decoders with our sound files and can also re-blow your ESU LOKSOUND decoders if you are unhappy with the sounds on them – our 're-blow' service is only £12.00 plus return courier charge.

These are the latest LOKSOUND 5 decoders!
BR diesels, electrics, multiple units & steam –
BR diesels, electrics, multiple units & steam –
huge choice – just visit us on-line to see
our full selection!

Sound decoder with speaker - **£109.99** for ESU/Howes 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 **£219.99** inc speaker.

www.howesmodels.co.uk



Sig-naTrak®
 Model railway electronics by GFB Designs

Our popular DCC controller!



- ★ Up to 9999 train and 2044 accessory addresses
- ★ Trains and accessories can be named
- ★ Easy to use - elegant, clearly-labelled touch keys - clear, colour graphical display
- ★ Drive from the touch panel, or optional handsets
- ★ Generous 5A output!
- ★ Integrated USB interface!

£262.00

The ACE-2 (DCS2044-2H)

NMRA-compliant DCC controller with full decoder programming and reading. Compact: only 220x150x45mm!
 Computer control, XpressNet & LocoNet(R) planned - user upgradable!

September 2020 - UPDATE

Product development has been delayed by about 8 weeks, but the new ACE software will be ready for December.

Order delivery may take up to 2 weeks, but we can usually deliver in-stock items within 5 to 7 days.

Our new DAC22 Accessory Decoder will be available around November/December.

**The DRIVER
 (BHS1204)
 ACE Handset.**



£30.00

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(TM)

DAC22 - call for availability update.

POA

SIGM20 Colour-light Signal Controller - 6 or 8 outputs.

£54.00

DTM30 Digital Tower Master - 30 inputs & outputs.

£63.00

DSS1 Loco Shuttle - automatic train running sequences.

£60.00

MSC8 Scenery Animator - control lights, motors & servos.

£30.00

67 Boddens Hill Road, Stockport, SK4 2DG

Tel: 0161 883 2022

(Sorry - no callers.)

Email: info@signatrak.co.uk; Web: www.signatrak.co.uk

Fully tested
 and guaranteed
 for 5 years

**MORLEY
 CONTROLLERS**

60 Years
BTVR
 ESTABLISHED 1959

Experience the ultimate in controller technology!

VANGUARD ZERO ONE

- 2 x 5mtr hand held controllers
- 1 x 12V DC accessory
- 0 gauge
- Twin track
- 2.5 A per track

£133

PLUS £6.90 P&P



VESTA ZERO TWO

- 2 x 2.5mtr hand held controllers
- 1 x 12V DC accessory
- N gauge
- Twin track

£75

PLUS £4.80 P&P



VECTOR ZERO THREE

- 2 x 2.5mtr hand held controllers
- 1 x 12V DC accessory
- OO/HO/N/OO9 gauge (1 amp per track)
- Twin track

£75

PLUS £4.80 P&P



VORTRAK ZERO TEN

- 2 x 5mtr hand held controllers
- OO/HO/N/OO9 gauge (1 amp per track)
- 2 x 12V DC accessories
- Four track

£135.00

PLUS £6.90 P&P



VECTOR ZERO THREE 'CRAWLER'

- Perfect companion for all the small shunter type locomotives being manufactured
- Slowest speeds ever plus all the benefits of the Vector Zero Three.

£80.20

PLUS £4.80 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.

CDU FOR POINT MOTORS ON-BOARD

Our controllers do not have any type of feedback and not PWM therefore fully suitable for all coreless motors.

www.morleycontrollers.com (Secure order site)

Email: jet@morleycontrollers.com • Tel: 01704 533 116

(Overseas enquiries +44 1704 533 116)



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>



CM3MODELS

WE STOCK:

- LaisDCC chips
- DCC wire and switches
- Card for Scapescenics kits
- Scenic accessories
- Model Scene grass mats
- Albion Alloys section and tools

CM3Models.co.uk

KX057-00 Barn / Store

Stone & Red Brick Finishes Included

LASER CUT OO SCALE KIT

Build as a pristine or derelict model

Only £7.49 + P&P

scalemodelscenery.co.uk

Order online or call 01530 456952

Santa Fay knows where she will be doing her Christmas shopping

C&M Models

1 CROSBY STREET, CARLISLE CA1 1DQ Tel: 01228 514689
Web: <https://candmmodels.co.uk> E-mail: sales@candmmodels.co.uk
Opening hours: Tuesday to Saturday, 10.00 to 16.30
Please note that the Santa hat and young lady are not currently available from us.

G & L FINESCALE

TRACK BUILDING SYSTEMS

C & L FINESCALE ARE SUPPLIERS OF THE WELL PROVEN 4 & 7 MM EASY BUILD POINT KITS AND RANGE OF SCALE FLEXI-TRACKS. NEW PRODUCTS ARE ADDED TO THE WEBSITE AS THEY BECOME AVAILABLE.

All new 4 mm 2 & 3 bolt chair sprue and fish plates

Office hours 10.00 to 14.00 Mon, Tues, Thurs, Friday. 14.00 to 19.00 Weds.
C & L Finescale Track Building Systems Ltd, 125 Beaver House, 12 East Street, Epsom KT17 1BX
Telephone 01372 748490 | www.cffinescale.co.uk

Dingo Servo Mounts

dingoservo.co.uk

The Ultimate in Servo Mounts with Linear Action

Precision Lasercut aluminium mounts for standard 9g servos (HK15178, SG90 or similar)

- Will work on all scales from "z" to "G" scale
- Easy assemble videos and documentation.
- We also sell control boards and servos.

Quote "MRXP" for 5% Discount

EMAIL: dingoservo@gmail.com

MOB: 07754901324

A C 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.

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:	4mm kits:
£1.50 ea.	£2.50 ea.

SAE for brochure (B&W)

C3 Country goods shed	E6* Georgian house backs
C4 Gas holder etc	F1* Row of stone cottages
D1 2 thatched cottages	F2* Stone smithy & house
D2 Farm outbuildings	F3 Stone chapel
D3 Large barn	F4* Stone hotel / inn
D4* Half timbered house	F5* Stone school / w/house
D5 Library or shops	F6 Walls, fences, paving etc
D6 Town house, shops etc	G1* Low relief row of shops
E1 Det. house or 2 semi's	G2 Brick houses / shop
E2 Bungalow & garage	G3 "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

A1* Semi-det. houses
A2 Garage w. pumps
A3* Church ('OO' needs A4)
A4 Public house
A5 School / village hall
A6 Walls, fences, etc.
B1 Country station
B2* Factory or dairy
B3* 2-road engine shed

B4 Platform accessories
B5* Signal boxes
B6A Tunnel mouths, green granite ('OO' only)
B6C Tunnel mouths, brown stone ('OO' only)
B7 Viaduct & lock-ups
C1 Coaling stage etc
C2 Water & oil tanks ('N')

P&P (UK) £3.00 per order. Overseas at cost
Cheques to "Freestone Model Accessories"
Callers by appointment only please

FREESTONE MODEL ACCESSORIES

Web: www.freestonemodel.co.uk
e: sales@freestonemodel.co.uk

Stockists of

SCALEXTRIC **HORNBY** **LILIPUT**

PECO **AIRFIX** **BACHMANN**

and much more!

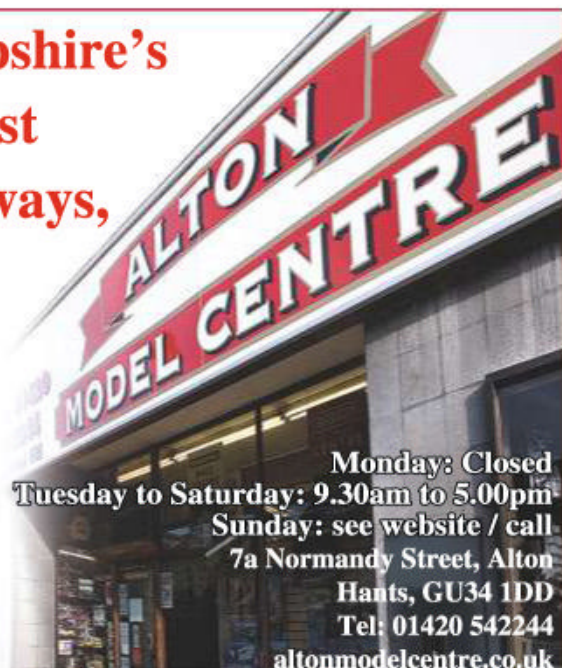
GIFT VOUCHERS AVAILABLE

VISA PayPal MasterCard

Models moved to No9
Open 5 days a week 9am-5pm
SEE WEBSITE FOR OPENING TIMES

9 High Street, Eastleigh, Hants. SO50 5LB
email: info@acmodelseastleigh.co.uk

**Possibly Hampshire's
Largest Stockist
of Model Railways,
Die-Cast,
Books,
Magazines,
Scalextric
and much
more.**



Monday: Closed
Tuesday to Saturday: 9.30am to 5.00pm
Sunday: see website / call
7a Normandy Street, Alton
Hants, GU34 1DD
Tel: 01420 542244
altonmodelcentre.co.uk

Full range of model railway products from the leading manufacturers including:

Hornby, Bachmann, Dapol, EFE Rail, Graham Farish, Heljan, Oxford Rail, Peco, Ratio, Wills, Superquick, Metcalfe, Gaugemaster, Parkside, Railmatch, Woodland Scenics and many, many more.

DCC equipment from DCC Concepts, ESU, Gaugemaster, Hornby and Bachmann. Sound decoders from South West Digital.

Also stockists of Die cast models including:

Corgi, EFE, Oxford Die-Cast, Base Toys & Classix.

Modelling materials & tools including Vallejo Model Colour AK pigments and washes, MIG Primer, Varnish & Weathering Products

accurascale
OFFICIAL STOCKIST

Wide selection of books & magazines.

OSBORN'S MODELS
7 Honestone St, Bideford, N. Devon, EX39 2DL ☎ 01237 423453

AVAILABLE TO PRE-ORDER

WESTERN ENTERPRISE

WWW.OSBORNSMODELS.COM

TONYS TRAINS
AT BARBY MODEL RAIL

New and Used Model Railways. Hornby, Bachmann, Heljan, Dapol, PECO, Oxford, Gaugemaster and more....
Large selection of 2nd hand models. Mail order available, pre-orders welcomed.

Open: Tuesday to Saturday 10AM - 5PM (4PM on Saturdays)
Tel: 01788 543442 email: tonystrains@outlook.com web: www.tonystrainsofrugby.com
Studio 3, The Locks, Hillmorton, Rugby, CV21 4PP

WE BUY YOUR MODEL TRAINS
GOOD PRICES PAID, PLEASE CALL TO ARRANGE A VALUATION

MegaPoints Controllers

Awesome layout control system

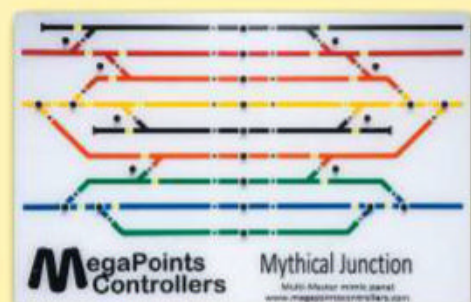
Control your model railway from one or more tactile control panels

- NO SOLDERING! *It's all plug and play!* ✓
- Only uses a single cable between each control board.
- Includes **feedback channel display** option for:-
 - Block & section track occupancy ✓
 - Points position indication ✓
- Optional **bespoke professional mimic panel design** and build.
- Control servos, traditional solenoids, stall motors and relays.
- Works with **analogue and digital** layouts.

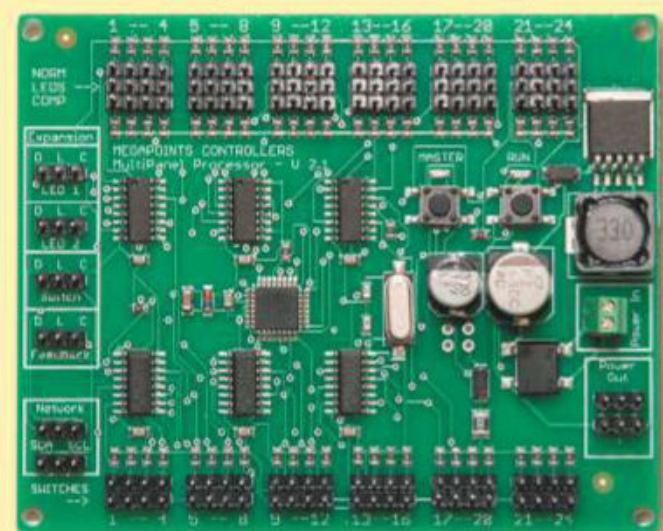
See website videos and product pages for more information.
Our single MultiPanel control board does it all! →

A single cable connects each control board together and operates in BOTH directions for feedback display.

Plug-and-play, NO Soldering for control panel hookup. Cables and buttons available pre-wired with plugs attached. See our new website for details.



Your bespoke mimic panel



Size 8cm x 10cm

1. Plug in LED cables
2. Plug in switch cables
3. Connect to control boards
4. Press buttons, start using!



Web & details: megapointscontrollers.com

Rev 17-03

EASY Sound, Lighting & Control !

Automatic Coach Lights
Cool & warm white N, 00, 00



Battery power - fit in seconds

Clip-in Buffer Lights
For N, 00/HO & O Gauge



NEW - O Gauge version!

Animated Smart Screen
With automated destinations



Point, Sensor or loco controlled

NEW Relay Controller
Sensor Signal Auto train control
and control devices using DCC



Colour Light Signals
• DC • DCC Fitted • Automatic



Post • Head • Ground mount

Signal & Point Controllers
One-touch DCC setup in seconds



NEW - Daplot Servo version!

Track Testers
N, TT, 00/HO, O & G Scales!



NEW - Large Gauge version

NEW Servo Controller
Track Sensors or DCC control



Power from 9-16V DC or DCC

Real Sound in your train
For both DC & DCC - no wiring



Steam or Diesel versions £45



Train-Tech
Model Technology Made Easy

Ask for our **FREE**
2020 Brochure!

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 MR280 for £2 off postage!



TOWNSTREET

MODEL ARCHITECTURE AT ITS FINEST

NEW "00" GWR COALING STAGE £67.50

A selection of our kits include:

Citadel Station.....	£97.50
North Light Engine Shed.....	£69.50
LNWR 'Coal Hole'.....	£55.00
Large Signal Box.....	£52.00
Concrete Ash Plant.....	£69.50
Concrete Coaling Plant.....	£69.50
Louvre Roof Engine Shed.....	£69.50
Stone Stations.....	from £49.50
Brick Station.....	from £39.50
Brick/Stone Water Tower.....	£22.50
Brick/Stone Goods Shed.....	£49.50
Brick/Stone Engine Shed.....	from £43.50
Brick/Stone Signal Box.....	from £39.50
Sand House.....	£36.50

PLEASE ADD £4.60 P&P

60 page "00" 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

INSURE YOUR COLLECTION REPLACEMENT VALUE

Covers your collection including layout and track whilst
anywhere in the United Kingdom.

Cost of labour in rebuilding the layout or track following
loss or damage by an insured peril included.

Public and Products Liability, Trade Stock, Exhibition Cover

Separate insurance available for all other types of collections
Premiums from £45.00 plus IPT

STAMP INSURANCE SERVICES

CGI Services Limited

29 Bowhay Lane, EXETER EX4 1PE

www.stampinsurance.co.uk tel: 01392 433 949

Authorised & Regulated by the Financial Conduct Authority 300573

DMG electtech
DMG Technical limited

New! DCC Decoder Tester
Only £28.99
see website for details

DMG electtech
DMG Technical limited



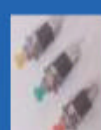
Cable single and Bi color



Multicore



Diodes



Pushbuttons



Nylon fixings



Resistors



LED's



Crimp's

LAYOUT WIRING

Colours: rd, yl, bl, bk, wh, gn, pu, or, gy, pk, br

Multistrand wire 10m 100m

EW07/0.2	1.4amp	7 strands of	0.2mm wire	£1.60	£11.40
EW16/0.2	3 amp	16 strands of	0.2mm wire	£2.30	£17.99
EW24/0.2	5 amp	24 strands of	0.2mm wire	£3.29	£26.25
EW32/0.2	7 amp	32 strands of	0.2mm wire	£4.29	£36.00

Christmas Deals on the website from November 1st



Snap locks
10 for
£2.00

Grain of wheat Bulbs
100 Clear for £30.00

New! Equipment Boxes
From 3.45

LED'S

LD14	12v 3mm rd, gn, yl	40p
LD32	As above in white	40p
LD15	12v 5mm rd, gn, yl	40p
LD11	1.8mm LED rd, gn, yl, amber	30p
LD31	As above in white	70p
Mounting clips	3 & 5mm	8p

MIN TOGGLE SWITCHES

SP/DP single/double pole, ST/DT single/double throw

each 1+ 20+

SMT1 on/off SPST	£1.20	£1.12
SMT2 on/on SPDT	£1.20	£1.12
SMT3 on-off-on SPDT	£1.25	£1.15
SMT4 on/off or on/on	£1.30	£1.17
SMT5 on-off-on DPDT	£1.40	£1.30
SMT6 [on]-off-[on] SPDT	£1.60	£1.45
SMT7 [on]-off-[on] DPDT	£1.90	£1.70

Lever covers 20p • CCS connectors 8p each

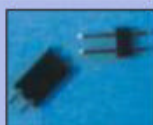
TINY CONNECTORS

Used with our tiny connectors are
ideal for joining engine to tender
for extra pick up:

CMP100 2 pin 3/8" x 3/16"
CMP101 3 pin
CMP102 4 pin.

Double rows are available.

1+ 60p pr 10+ 55p pr 25+ 50p pr



DIN PLUGS & SOCKETS

PLUG

CDP9 3 pin	65p
CDP3 4 pin	65p
CDP6 5 pin 180°	70p
CDP3 5 pin 240°	70p
CDP3 6 pin	75p
CDP3 7 pin	80p
CDP3 8 pin	85p

SOCKET

CDS9 3 pin	65p
CDS5 4 pin	65p
CDS5 5 pin 180°	65p
CDS5 5 pin 240°	65p
CDS5 6 pin	65p
CDS5 7 pin	65p
CDS5 8 pin	65p

TAG BOARDS & TERMINAL BLOCKS

CTB2	Mini Tag Board 2 rows x 18 117mm x 38mm	£2.45
CTS1	Standard Tag Strip 28 way x 267mm	£2.50
CTS2	Mini Tag Strip 28 way x 194mm	£1.90
CTB4	Screw Terminal Block 3amp	80p
CTB5	As above 5amp	95p
CTB6	12-way Plug & Socket 6amp	£5.50
CTB10	As above, but 10amp	£6.95

PRODUCTS FOR ALL GAUGES

- Diodes
- Relays
- Capacitors
- Sensors

All at great prices
Phone for advice.

See our website for details of **SPECIAL OFFERS**
www.dmgelectech.co.uk

DMG Technical Ltd - Tel: **029 20813136**

Unit 10, Glan-Y-Llyn Ind Est, Cardiff Road, Taffs Well, CF15 7JD

Email: sales@dmgelectech.co.uk



Fast Efficient Service
P & P only 3.25
Free for orders over £100

www.YorkModelrail.com

Online shop, selling our unique range of precision laser-cut scenery detailing and architectural components; helping you enjoy building your railway layouts

Plus affordable bespoke laser cutting service for everything else that you can't buy ready made



N, 00 & 0 scales. Bespoke service for ALL other scales

Price lists available in 0, 00 or N scale if you don't have internet access

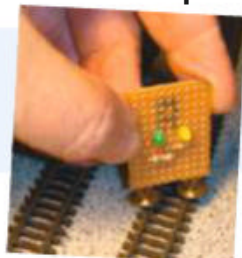
York Modelmaking 01904 400358
Unit 13, Bull Centre, Stockton-on-the-Forest, York, YO32 9LE



Learn about electronics with our model railway beginner kits at affordable prices

Simple Kit PMP1 Track tester
for DC and DCC power
£0.29

Available only for members



www.merg.org.uk

Please send email to: enquiries@merg.org.uk for more information

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 2500
Different Hornby Spares in Stock.
East Kent Models Parts Are
Being Listed On Our Website.

OVER
11,500
DIFFERENT
ITEMS IN
STOCK

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

CRANE GARDEN BUILDINGS



THE PERFECT LOCATION FOR A MODEL RAILWAY

Our buildings are strong and robust, built with the highest quality timber, and can be tailored to suit your needs.

By tailoring the building design to your exact requirements, we can give you a building of the perfect size, with each feature precisely where you want it. Our sheds and workshops can also be fully lined and insulated, with electrics, allowing for year-round use. To find out more, please visit cranegardenbuildings.co.uk.



SHOW SITES
ACROSS THE
COUNTRY



HANDMADE
BY SKILLED
CRAFTSMEN

**FREE
DELIVERY
& installation
nationwide**



Sheds | Workshops | Summerhouses | Garages | Studios | Telephone 01760 444229

Visit → Scalescenes.com
 Download → Print → Build

Quality downloadable card model railway kits since 2005



Includes bonus Shelter & Lamp Hut

NEW Station Platform
 A comprehensive range of surfaces and features for all eras. ONLY £3.99

Buy once unlimited prints

View our large range of N and OO kits and texture sheets

scale-scenes.com



VISIT FOX BUY STUFF STAY MODELLING

TRANSFERS LTD • TEL +44 (0)116 319 4950
 Unit 5, Priory Business Park, Wistow Road, Dept MR
 Kibworth, Leicestershire LE8 0RX, ENGLAND callers by appointment
 email: mail@fox-transfers.co.uk web: www.fox-transfers.co.uk



MORRIS MODELS
 NORTH LANCING

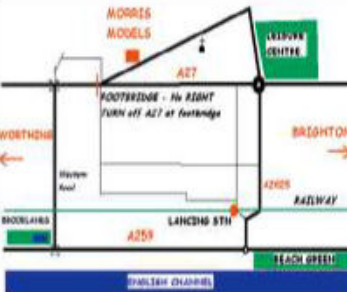
80 Manor Road, N Lancing,
 West Sussex, BN15 0HD
 Tel 01903 754850
www.morris-models.co.uk
info@morrismodels.co.uk

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, Wed, Fri, Sat 9.30 to 2.00

CONTINENTAL RAILWAYS
 FLEISCHMANN, Roco, BRAWA, TRIX, herpa, FALLER, Preiser
 PLUS MANY OTHER RANGES OF SCENIC MATERIALS, BUILDINGS, VEHICLES etc



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

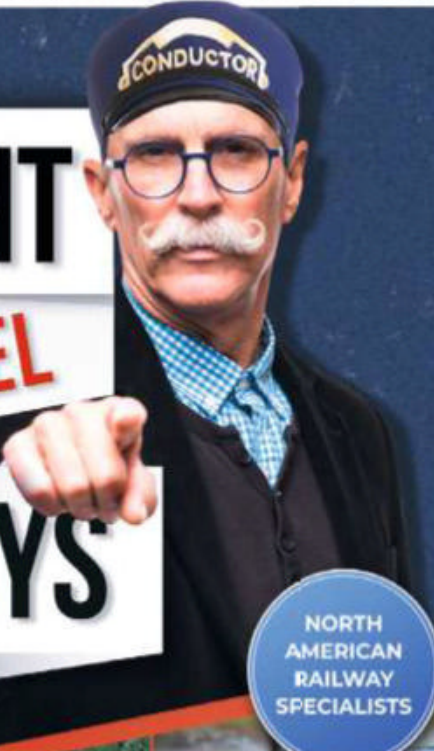
www.traintees.co.uk

SELL WITH ANORAKS ANONYMOUS - THE BIGGEST COMPANIES DON'T ALWAYS OFFER THE BEST PRICES!

WE WANT YOUR MODEL RAILWAYS

CONDUCTOR

NORTH AMERICAN RAILWAY SPECIALISTS



BRITISH **EUROPEAN** **AMERICAN**

- Full & part collections purchased
- Willing to travel to collect or view
- Same day payment - cash or bank transfer
- Everything considered, in any condition - large collections sought after

CONTACT US
 01302 371623 / 07526 768178
anoraksanonymous@googlemail.com

PREOWNED SHOWROOM NOW OPEN!
 See website for details
www.anoraksanonymous.net

N SCENIC
www.n-scenic.co.uk
 Laser Cut Models In OO and N Gauge

N Gauge SKIPS X-6 From £4.99

N TERRACED HOUSES From £4.99




N Gauge Grand Station Terminus or Run Through From £14.99

Gasometer Kit in N or OO From £14.99

Mine Head Gear Kit From £19.99

Visit our Site for more fantastic Models
 Enter the code: **RM15** to get **15% OFF**

Fencing - Bridges - Buildings - Grave Stones - Gates - Cable Trunking - Tunnels - Walk Ways - Retaining Walls **PLUS MANY MANY MORE**

www.n-scenic.co.uk
 N-SCENIC Ltd 248 Lytham Road, Blackpool, FY16EX 01253-348-853



www.harburns.uk

P&P £3.00 per order

Harburn Hobbies, 67 Elm Row, Edinburgh EH7 4AQ
Tel. 0131 556 3233 Email: sales@harburns.uk



No.105 No.124

Harburn 'O' gauge Specials

dapol

Cottage roof grain wagons 'L.G.W.'

(previously Leith General Warehousing)
BR era vans which ran through into the 1970s

3 numbers produced
105 - 124 - 168
(very limited stocks)
£59.99 each

Harburn 'N' gauge Specials



NR-P979 £9.50



NR-P905 £12.25



NR-P150A (no.66) £9.95



NR-P978B £9.50



NR-P980B £9.50



NR-P150B (no.49) £9.95



NR-P150C (no.85) £9.95

'N' Gauge **'O' Gauge**

Exclusive to Harburns

'North British Storage & Transit Company' cottage roof grain wagons



No.168

Our webshop has grown LARGER. Go on... take a look!

www.harburns.uk



Trains4U.com

Open Tuesday – Saturday 10:00 – 5:00, Sunday 10:30 – 3:30, Closed Sunday

27 St. David's Square, Fengate,
Peterborough, PE1 5QA

Trains4U Exclusive

MOD KFA / PFB WARFLAT – OO Gauge

£35.00 each



Features:

- Close coupling mechanism
- NEM coupling pockets
- Sprung buffers
- Detailed underframe
- Zinc alloy frame
- Convertible to P4/EM

Available to pre-order online now at Trains4U.com
by phone, email, or in our Peterborough store
Delivery expected Winter 2020

Produced by

CAVALEX Models





PFB Green with green bufferbeams & jacks
Suitable for 1976 to mid 1990s

KFA, Green with yellow bufferbeams & jacks
Suitable for late 1990s to present day

CAPFB(1) MODA 95233
CAPFB(2) MODA 95259
CAPFB(3) MODA 95274
CAPFB(4) MODA 95288

CAKFA(1) MODA 95238
CAKFA(2) MODA 95265
CAKFA(3) MODA 95281
CAKFA(4) MODA 95297

Tel: 01733 895989 e-mail: Trains4U@BTConnect.com

TigerTaz Models

We are based in the North East of England in Teesside and are avid collectors of model locos, rolling stock, cars, buses and trucks. We are also enthusiastic professional traders with the personal touch.

TIGERTAZ MODELS
57A GRAYS ROAD
GRANGEFIELD
STOCKTON ON TEES
CLEVELAND
TS18 4LL



www.tigertazmodels.co.uk
07788110566

STILL TAKING ON SALE ORDERS

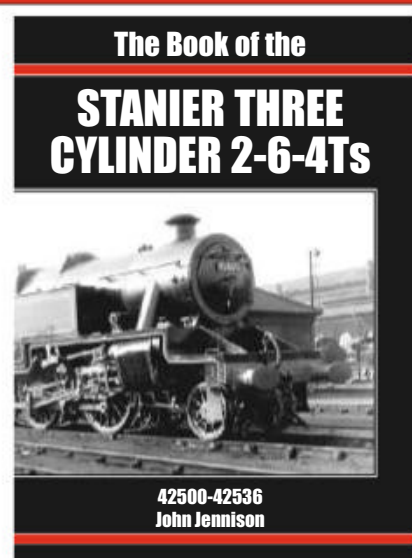






COMING SOON FROM IRWELL PRESS

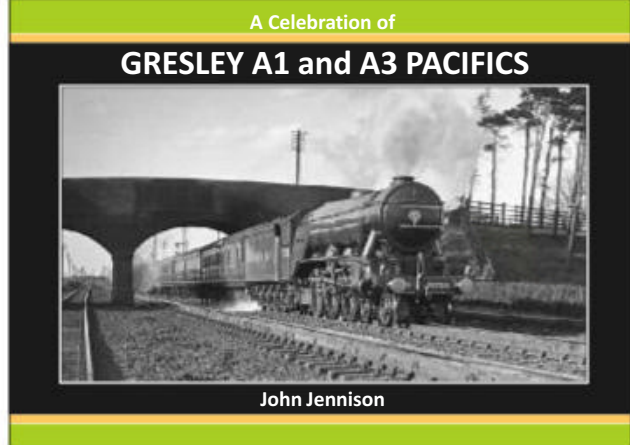
The Book of the STANIER THREE CYLINDER 2-6-4Ts
42500-42536
By John Jennison
Price: £29.95
A4 Hardback 192 pages
ISBN 978-1-911262-38-1



THE WESTERN WAY
Western Steam in the Sixties
By Terence Dorrity
Price: £25.95
A4 Hardback
FULL COLOUR
128 pages
ISBN 978-1-911262-37-4

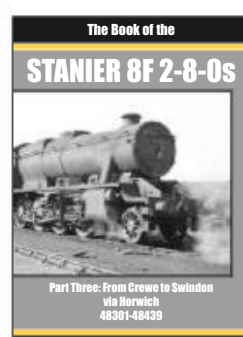


A Celebration of
GRESLEY A1 and A3 PACIFICS



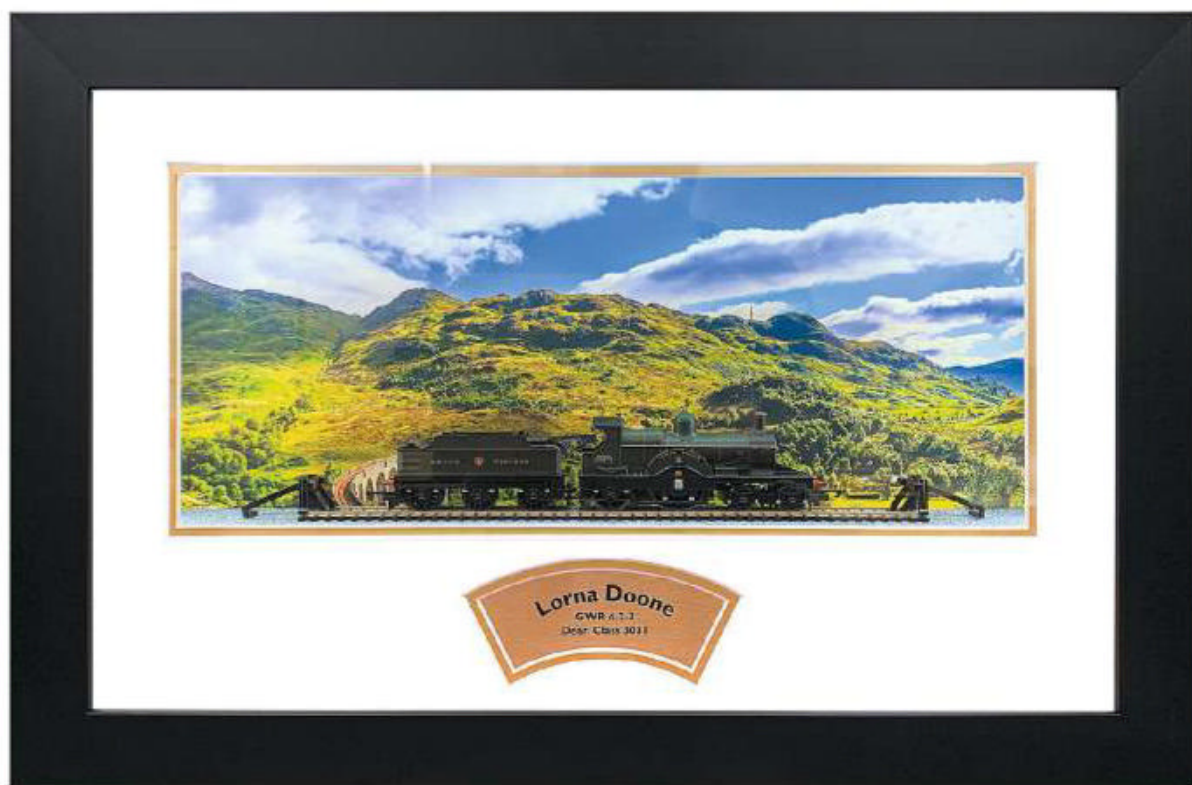
John Jennison

A Celebration of
GRESLEY A1 and A3 PACIFICS
ISBN 978-1-911262-40-4 Price £25.95
A4 Hardback 144 pages
John Jennison

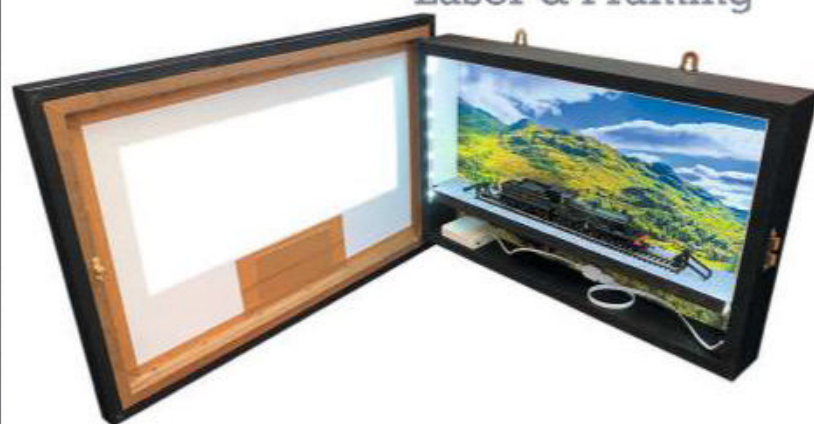


The Book of the STANIER 8F 2-8-0s
Part 3 48301-48439
By Ian Sixsmith,
Richard Derry
Price: £30.95
A4 Hardback Approx: 300pp
ISBN 978-1-911262-39-8

IRWELL PRESS Ltd. 59A High Street, Clophill, Beds MK45 4BE, Tel: 01525 861888. Order now by sending your details to Irwell Press Limited and allow up to 14 days for delivery. During the COVID-19 crisis, UK customers can benefit from our POST FREE offer. Overseas customers should enquire as to postage rates. Alternatively order from our secure website www.irwellpress.com



ARTSY
Laser & Framing



Watch Video Here



New Premium Display frame

for your model engines.

Prices start from £138.00 inc postage

Order online www.artsylaser.co.uk

Tel: 01733 685143 • paul@artsylaser.co.uk

WANTED

MODEL RAILWAY & COLLECTABLES

Top Prices Paid

*For all makes, all gauges and live steam,
aeroplane kits, boats, die cast etc.*

Instant cash paid

Will travel to collect

MODEL
RAILWAYS
ONLINE

01775 630385 / 07723 336344

email: usedmodelrailway@gmail.com

Woodgate Cottage, New Road, Deeping St Nicholas, Spalding, Lincolnshire PE11 3DU

MODEL RAIL Marketplace

CALL GEMMA ON 01733 366379
gemma.smith@bauermedia.co.uk

DCC



A RENOWNED SPECIALIST DCC CONVERSION SERVICE

- All scales and budgets • Friendly, reliable service
- Quick turn-around • Servicing and repairs • Weathering
- Resprays • Kit building service • ESU, Digikeijs & Lenz dealer

www.marks-trains.co.uk

01733 609 414 - info@marks-trains.co.uk

#MarksTrainsUK

[marks.trains.uk](https://www.facebook.com/marks.trains.uk) [marks.trains.uk](https://www.instagram.com/marks.trains.uk) [marks_trains_uk](https://www.youtube.com/channel/UCmarks_trains_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 Aviation Canals 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

Kits

BRANCH LINES
Dapol Kit Package Deals

Each package deal contains the Dapol plastic kit, our etched n.silver chassis kit, our body detailing (or interior) kit, Mashima motor, Romford gears, wheels and all screws wire, etc. to complete.

Railbus p/deal with full interior	£61.50
Drewry '04' diesel complete p/deal	£78.50
BR mogul & tender complete p/deal	£105.00
City of Truro complete p/deal	£107.50

Most parts available separately

P.O BOX 4293, WESTBURY BA13 9AA
Tel/Fax: 01373 822231
E-mail: sales@branchlines.com

Cat's SSAE + £1 (in stamps) or £2.50 C. Card and PLEASE STATE INTERESTS

P&P: UK £2.50 (value under £30), £4.00 (£30 to £60), £5.00 (over £60).
Non EU and BFPO less VAT. Exports £4.50 minimum.
VISA, MASTERCARD, SWITCH/MAESTRO, SOLO
EXPORTS WORLDWIDE
Hours: Mon-Thursday: 9.30-1, 2-6

MODEL RAIL

Online Shops

Model Scenery Supplies
Internet Shopping for all your Scenic Items
Sit back and order from your home
1000's of products to browse
Free Delivery on orders over £30

BUSCH **WOODLAND SCENICS** **DELUXE**
METCALFE **PECO**
SCENECRAFT **WILLS-KITS** **Preiser**

Search... modelscenerysupplies.co.uk

Online Shops

Howard Scenic Supplies

See our range of hand made model scenery



www.howardscenicsupplies.co.uk

Repairs

MOTOR REPAIRS

HORNBY, DUBLO, WRENN & TRIANG MOTORS

Repaired, rewound & remagnetised.

Old Triang wheels updated.

OO Locos serviced from £22.50

plus parts & post

SCALESPEED Est 1966

75 Green Road, Fareham, Hants PO14 2HB

Tel 01329 665045 / 07774 253352

Web www.scalespeed.co.uk

Email scalespeed@btinternet.com



roxeymouldings.co.uk

Loco, Coach & Wagon Kits

Fittings & Accessories

Wheels / Motors & Gears

in OO and O

Tel: 01932 245439



Web Browser

RECREATION21 Various Scales
3D PRINTED MODELS Gauge 1, O, S
ORDER ONLINE OO, HO, TT, N
OO9, O16.5
SM32, G
and more

www.rue-d-etropal.com

Dealer Directory

Bedfordshire

AGR MODEL RAILWAY STORE
Order Online today
www.agrmodelrailwaystore.co.uk
AGR Model Railway Store Ltd
9 High Street Mews, 28 High Street,
Leighton Buzzard, Bedfordshire LU7 1EA
01525 854788
sales@agrmodelrailwaystore.co.uk
Monday - Friday 9am-5pm. Saturday 9am-4pm
NOW buying your unwanted model railway collections

Buckinghamshire

P & D MARSH MODELS

PAINTED OO GAUGE	PAINTED N GAUGE
PDZ07 Postman, bike & postbox £8.75	PDX51 Cyclists (2) £7.60
PDZ12 Trackside signs (4) £8.25	PDX56 Gravestones (8) £6.00
PDZ19 Loco crew (2) steam £9.00	PDX68 Forklift truck £7.00
PDZ28 Window cleaner/ladder £7.15	PDX69 Traffic lights single £5.50
PDZ32 Firebuckets on stand (2) £7.50	PDX70 Traffic lights dble £6.50
PDZ36 BP style petrol pumps £8.75	PDX80 Benches (4) £5.80
PDZ39 Coalmen & scales £8.25	PDX82 Water crane platform £6.25
PDZ40 1950/60 Firecrew/hoses £10.45	PDX83 Water crane ground £6.25
PDZ103 1950 motorbike/rider £8.00	PDX351 GWR home signal £8.35
PDZ50 Loaded platform trolley £8.25	PDX354r RH junction signal £15.95
PDZ51 Barrels (6) £6.95	PDX361 Ground signals (5) £8.00

AVAILABLE FROM ALL GOOD MODEL SHOPS
DISTRIBUTED BY EXPO TOOLS & DRILLS
WWW.PDMARSHMODELS.COM 07730 202270

Cleveland

REDCAR MODELS & HOBBIES
Most leading brands of "OO" gauge model railways & accessories.
Also Diecast, Plastic Kits, Woodland Scenics, K+S metal Centre etc
130 High St, Redcar, Cleveland, TS10 3DH.
Tel: 01642 494912
(Open Tuesday to Saturday)
sales@redcarmodels.co.uk

Cheshire

TRIDENT TRAINS
No10, The Craft Arcade,
Dagfields Craft Centre,
Crewe Road, Walgherton,
Nantwich, Cheshire. CW5 7LG
www.tridenttrains.co.uk 01270 842400
HORNBY • BACHMANN • DCC CONCEPTS • FARISH • DAPOL • PECO • LENZ
TRAIN TECH • GAUGEMASTER • METCALFE • RATIO & MUCH MORE

Manufacturer

SPECIALIST BUILDER OF JIDENCO, FALCON BRASS & SIMILAR, ENQUIRE FOR ESTIMATES
Expert Building, Painting & lining services
www.goldenarrow.me.uk
Quality bowpens & instrument sets in stock
392 HAROLD ROAD, HASTINGS, SUSSEX TN35 5HG
Tel: 01424 445334 Email: c.meach@fiscali.co.uk

Models Wanted

Tri-angman

specialist in model railways

Tri-ang, Hornby, Wrenn,
Minic etc...

buy, sell and repair hard to find items and collectables

Find me on

www.tri-angman.co.uk

or contact

Tel 07966 333605

laurence@tri-angman.co.uk

Kits

MODEL RAILWAY DEVELOPMENTS
NEW WEBSITE IS ABOUT TO GO LIVE
Thank you for your patience
www.emardee.org.uk
Email: hubertcarr@googlemail.co.uk
Or call: 01372 817504

- 0 Gauge Kits -

CONNOISSEUR MODELS

- Quality Etched & Cast Metal Kits -

- Locos, Carriages & Wagons -

www.jimmcgeown.com

or Send S.A.E. for printed catalogue

1 Newton Cottages,
nr Weobley HR4 8QX

Online Shops

Tri ang Collector
Dave ANGELL
07968 975867
Supplier & Collector of Vintage Trains
Primarily, but not exclusively, made by Triang.
www.daveangelltrains.co.uk
dave@daveangell.co.uk
07968 975867

Cumbria & Lake District

Crafty Hobbies

South Cumbria's number one shop for model railways, crafts, and doll's houses.



www.craftyhobbies.co.uk

54 Cavendish Street,
Barrow-in-Furness,
T: 01229 820759

Jacksons Models and Railways

Hornby, Bachmann, Graham Farish, Peco, Dapol, Gaugemaster, Javis, Plastics, Metals, Balsa, Corgi, Oxford Diecasts etc.

www.jacksonsmodels.co.uk

33 New Street, Wigton, Cumbria CA7 9AL
Telephone 01697 342557

TRUCKS CARS PLANT KITS PLANTS MILITARY RAILWAYS BUSES

Hampshire

CHURCH STREET MODELS

A wide range of New OO & N gauge
Incl. Hornby, Bachmann, Dapol,
Farish, Heljan, Oxford & much more

Mon, Wed - Sat 09.30-14.00

PLUS IN DEC ONLY

Tues 09.30-14.00 & Sun (6-20Dec) 11.00-14.00

10A Church Street, Basingstoke,
Hants RG21 7QE. 01256 358060

www.churchstreetmodels.co.uk

Isle Of Wight

Visiting the Isle of Wight?

Two floors of
engines, wagons, coaches, buildings,
scenery, electrics, figures, cars
and much more!

N/009/HO/00/On30/G

UPSTAIRS DOWNSTAIRS

Pier Street - Sandown - PO36 8JR
01983 406 616 - www.udlow.com

Leicestershire

Skytrex Model Railways

Unit 1, Charnwood Business Park,
North Rd. Loughborough,
Leics. LE11 1LE
tel: 10509 213789

For OO Gauge

www.skytrexmodelrailways.com

For O Gauge

www.ogauge.co.uk

Northumbria

Northumbrian Painting Services



Manufacturer of metal railway figures. Figures available in N Gauge, OO Gauge
and O Gauge. Resin, MDF buildings and scenery
www.paintinghistory.co.uk 01434 600529

Essex

CHELMSFORD

JOHN DUTFIELD

Stockists of: **HORNBY**

• Peco • Bachmann • Lenz • Graham Farish • Wills • Ratio • Cavalex • Accurascale



and much more including secondhand



WARDS YARD, 133 SPRINGFIELD PARK ROAD, CHELMSFORD, ESSEX, CM2 6EE

01245 494455

Open 9-5.30 Mon, Tues, Thurs, Fri, Sat. Closed Weds & Sun.

Email: heatherwilkinson@btconnect.com Web: johndutfieldmodelrailways.co.uk

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

Metcalf ♦ 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

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

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

"Model Railway Specialist"

We carry comprehensive stocks from the major manufacturers
Bachmann - Farish - Dapol - Heljan - Oxford Rail - Peco

We also hold a wide range of accessories, vehicles and scenic materials

Saturdays 10:30am-3:30pm and Sundays 11:00am-1:00pm
(Please check our Website/Facebook Page for latest opening times)

Telephone: 01749 880651 - www.esmodels.co.uk - Email: mail@esmodels.co.uk

THE RAILWAY STATION,
CRANMORE, SHEPTON MALLET,
SOMERSET, BA4 4QP

Scotland

THE SPORTS MODEL SHOP

Traditional Model Shop
with large range of OO and
N gauge model railways
Plastruct, Glues,
Scenics, Metals

66 High Street, Dingwall, IV15 9RY

Tel: 01349 862346

www.sportsandmodelshop.co.uk

Open Mon-Sat 9.15 - 17.00

Staffordshire

TUTBURY MODELS

COLLECTABLES 01283 814777 MODELS

5 Mill Mews, Tutbury,
Nr. Burton-upon-Trent DE13 9LU.

Available Now:
Bass/Worthington vent van £13.50 + £3.00 P & P
(Can send up to 6)

Available Now:
6 Wheel Milk Tanker Nestle - OO Gauge
£17.50 + £2.00 P & P

Available SOON:
6 Wheel Milk Tanker Nestle - O Gauge
Orders invited for the O Gauge.

THE HOBBY GOBLIN

54 Hamill Road, Burslem, Stoke-on-Trent ST6 1AU

New special commission 7-plank wagon in
OO and O gauge: 'Sneyd, Burslem'

- Hornby • Bachmann • Peco • Dapol
- Gaugemaster • Woodland Scenics
- Plus much more!

OPEN: Tue, Weds, Fri 10-4; Thurs 10-5.30, Sat 10-2
T: 01782 818433/07973 478294
E: thehobbygoblin-uk@hotmail.com
www.thehobbygoblin.co.uk

Suffolk

Orwell Model Railways

Ipswich Model Railway Centre

48-52 Tomline Road

Ipswich IP3 8DB

01473 724578

www.orwellmodelrailways.co.uk

Open

Mon-Fri 10:00 - 16:00

Wed 10:00 - 18:00

Sat 10:00 - 17:00

Surrey

COACH LIGHTING

DCC kit £4.10 DC kit £4.90 • 4 coach extension kit for above £5.20

Now available 'N' gauge
£1.99 per coach (plus £2.00 per coach)

07801 796864

105 Charlock Way, Burpham, Guildford, Surrey. GU1 1XY

coach-lighting.com

Tyne And Wear

Pooleys Puffers

Partnership: David and Anne Poole

Model Railway Supplies,
New & Second Hand Bought & Sold
Diecast Models, kits & accessories

Tel: 0191 4910202/4106386
Mobile: 07976 519178

www.pooleyspuffers.com
email: pooleyspuffers@btopenworld.com

382a Jedburgh Court, Team Valley Trading
Estate, Gateshead, Tyne & Wear NE11 0BQ

Mon - Sat 10am - 4pm
Sunday & Bank Holidays: CLOSED

When attending weekend exhibitions shop will be
closed. Please phone FRI & SAT for opening times.

82% of those who read more magazines due lockdown will continue to read
more magazines post lockdown (source Bauer insiders July 20)

25% report that spend on them has increased during the crisis
and this increases to 31%

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, Walstead, Bicester, Chaucer Business Park, Launton Road, Bicester, Oxon OX26 4QZ

ADVERTISING

Senior Sales Exec Display: Gemma Smith
01733 366379
Group Sales Manager: Lucy Scott
01733 366434

MARKETING

Telephone: 01733 468000
Marketing Manager: Emma Glanville
Head of Newstrade: Leon Benoiton
Newstrade Marketing Manager: Karen Caruso

SUBSCRIPTIONS & BACK ISSUES

To contact us about subscriptions orders, renewals, missing issues or any other subscription queries, please e-mail bauer@subscription.co.uk or call our UK number on 01858 438884. If you're outside the UK, call +44 1858 438884. To manage your account online, visit www.greatmagazines.co.uk/solo. To order back issues, please call our UK number on 01858 438884. If you're outside the UK, call +44 1858 438884. **For binders call 01733 840111**

H BAUER PUBLISHING

Managing director: Sam Gallimore
Editorial director: June Smith-Sheppard
Digital managing director: Charlie Calton-Watson
Chief financial officer Bauer Magazine Media: Lisa Hayden
CEO, Bauer Publishing UK: Chris Duncan
President, Bauer Global Publishing: Rob Munro-Hall
Syndication e-mail address: syndication@bauermedia.co.uk



From January-December 2019 *Model Rail* sold an average of 22,663 copies per issue, as independently confirmed by the Audit Bureau of Circulations (ABC).

Model Rail magazine is published 13 times per year by H Bauer Publishing, registered in England and Wales with company number LPO03328, registered address Media House, Peterborough Business Park, Lynchwood, Peterborough PE2 6EA, VAT no. 918 5617 01.

COMPLAINTS: H Bauer Publishing is a member of the Independent Press Standards Organisation (www.ipso.co.uk) and endeavours to respond to and resolve your concerns quickly. Our Editorial Complaints Policy (including full details of how to contact us about editorial complaints and IPSO's contact details) can be found at www.bauermediacomplaints.co.uk

Our e-mail address for editorial complaints covered by the Editorial Complaints Policy is complaints@bauermedia.co.uk

H Bauer Publishing and Bauer Consumer Media Ltd are authorised and regulated by the FCA (Ref No. 845898) and (Ref No. 710067)

No part of the magazine may be reproduced in any form in whole or in part, without the prior permission of H Bauer Publishing. All material published remains the copyright of H Bauer Publishing and we reserve the right to copy or edit any material submitted to the magazine without further consent. The submission of material (manuscripts or images etc) to H Bauer Publishing, whether unsolicited or requested, is taken as permission to publish that material in the magazine, on the associated website, any apps or social media pages affiliated to the magazine, and any editions of the magazine published by our licensees elsewhere in the world. By submitting any material to us you are confirming that the material is your own original work or that you have permission from the copyright owner to use the material and to authorise H Bauer Publishing to use it as described in this paragraph. You also promise that you have permission from anyone featured or referred to in the submitted material to it being used by H Bauer Publishing. If H Bauer Publishing receives a claim from a copyright owner or a person featured in any material you have sent us, we will inform that person that you have granted us permission to use the relevant material and you will be responsible for paying any amounts due to the copyright owner or featured person and/or for reimbursing H Bauer Publishing for any losses it has suffered as a result. Please note, we accept no responsibility for unsolicited material which is lost or damaged in the post and we do not promise that we will be able to return any material to you.

Finally, while every reasonable precaution is taken to ensure accuracy, H Bauer Publishing is not responsible for any errors or omissions, nor do we accept any liability for any loss or damage, howsoever caused, resulting from the use of the material.

Model Rail, ISSN 1369-5118, USSN 8710, is published every four weeks by Bauer Consumer Media Ltd, Media House, Peterborough Business Park, Lynch Wood PE2 6EA, United Kingdom. The US annual subscription price is \$101.79. Airfreight and mailing in the USA by agent named WN Shipping USA, 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA. Periodicals postage paid at Jamaica NY 11431. US Postmaster: Send address changes to *Model Rail*, WN Shipping USA, 156-15, 146th Avenue, 2nd Floor, Jamaica, NY 11434, USA. Subscription records are maintained at Bauer Media, Subscriptions, CDS Global, Tower House, Sovereign Park, Lathkill Street, Market Harborough, Leicestershire LE16 9EF, United Kingdom. Air Business Ltd is acting as our mailing agent.



K.L. COOK/RAIL ARCHIVE STEPHENSON

Present your case

If there's a locomotive that you think needs to be offered ready-to-run, here's the place to voice your opinion...

Locomotive: Great Eastern Railway 'R24'/'R24 Rebuilt'/'S56' (LNER 'J67'/'J69') 0-6-OT

Gauge: '00'

Proposed by: Steve Pearce, Chelmsford

What is it?

The 'Buckjumper' is famous for working the Liverpool Street 'Jazz' suburban passenger services and was a capable shunter used throughout the GER area and beyond. The last were withdrawn by BR in 1962.

This 0-6-OT was produced in large numbers; 140 'R24s' were built in 1890-1901, (100 for passenger duties) while 95 'R24s' were rebuilt between 1902-1921 with larger side tanks and fireboxes. A further 20 'S56s' were built in 1904 with higher pressure boilers and larger side tanks.

In the 1920s, with the arrival of the N7 0-6-2, the LNER converted 59 of the passenger 'J69s' to shunting locomotives by removing the Westinghouse brakes and condensing gear.

What would make it viable?

How about this for a start? This locomotive has never been available as a '00' gauge ready-to-run model before, although it has been the subject of a number of kits.

As well as variations in the side tanks and

cabs, brakes and condensing gear, there were changes in chimneys, cab roofs, coal rails, safety valves, buffers and toolbox positions, these could provide opportunities for models with a small number of add-on parts or production variations on the basic chassis. A change of cab and chimney could even produce the 30 GER 'C72' (LNER 'J68s').

It is an attractive small locomotive that lasted in various guises for over 70 years. Originally a GER design, between the 1930s and 1950s they were allocated across most of the LNER, including Scotland. Their use on the East London Line would make them useful for SER and LBSCR modellers too, while, in 1940, the War Department purchased five 'J67s' and eight 'J69s' for use at Longmoor and Melbourne, which also widens their scope.

There's a whole host of liveries to offer, from GER blue, LNER green and BR lined black to the fabulous Great Eastern-inspired livery that Liverpool Street pilot No. 68619 carried in its final years.

Can I see a real one?

'J69/1' No. 87 (BR No. 68633) is preserved as part of the National Collection and is currently on display at Bressingham Steam Museum in Norfolk.

COLOUR RAIL



Have your say

Do you agree with Steve's argument? Go to www.model-rail.co.uk and take part in our vote.

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.

Behind the Backscene

Model Rail fires the questions at master modeller Pelle Søeborg, creator of some of the most realistic miniature US railroads ever.

Pelle Søeborg is a graphic designer, modeller and a contributing editor to *Model Railroader* magazine.

“I never go outside without wearing a felt hat”



1 What was your first train set/model?

My first train was a blue Märklin sleeping car. For my tenth birthday I received a locomotive to pull it!

2 Are you working on a layout now?

No. Unfortunately, I don't have space in my apartment in Copenhagen. I have built a module on top of a book case but it's finished and I don't have any new projects planned.

3 Have you ever finished a model railway?

Yes, I have built and finished four layouts.

4 What model have you've always longed for?

Models of modern cars – Hondas, Toyotas, Nissans, Hyundais – that you see in the US – and, of course, some American cars!

5 Favourite trainspotting location?

Rochelle, Illinois where the Union Pacific and BNSF (formerly Burlington Northern & Santa Fe) main lines cross.

6 Favourite locomotive?

EMD 'F-Units' in Santa Fe 'war bonnet' livery.

7 When did you start working in the model railway industry?

I had my first layout published in *Model Railroader* magazine in 1996. My first book for Kalmbach Publishing Co was published in 2006.

8 What did you do beforehand?

The same as I do now – run my own graphic design business.

9 What modeller has influenced you the most?

It's hard to say. Chuck Hitchcock with his 'Argentine Division' layout and David Barrow with his 'Cat Mountain & Santa Fe' come to mind.

10 Strangest thing you've ever eaten?

Generally I don't eat strange things, but I have had snails in France. It's not something I became addicted to.

11 What is one of your weird quirks?

I never go outside without wearing a felt hat.

13 What book are you reading at the moment?

Kids' books... to my grandchildren.

12 If you were stranded on a tropical island, what two things would you want with you?

My phone and an old fashioned cocktail.

13 What piece of modelling are you most proud of?

The grain elevator complex on my Midwest layout. That layout is now owned by model shop TrainLife, in Provo, Utah.



BOTH IMAGES: PELLE SØEBORG

14 What have you done that you are most proud of?

Created a family... but in relation to model trains, it is definitely my first cover of *Model Railroader* magazine.

15 What is your favourite song?

Mozart's clarinet concerto.

16 First record you bought?

I don't really remember. It might have been an Elvis Presley single.

17 What is the best advice you ever had?

Never spend money before you have it in your hand.

18 What is one meal you wouldn't want to give up?

Salmon with new potatoes and green asparagus.

19 If you had access to a time machine, where and when would you go?

Back to when my son was four years old. I remember it as the best time in my life.

20 What was your favourite cartoon show growing up?

Disney Show. We had to go to the cinema to watch it as we had no TV when I was little.

21 Favourite film?

Gladiator.

22 Temptation you wish you could resist?

Expensive red wines.

23 What is your best childhood memory?

Day trips with my dad, sitting at the front of his bike

24 The hidden talent which would surprise people?

I have written short stories... but I've never tried to have them published.

25 If you could pass any new law?

That only politicians with at least some work experience can be elected to the Danish parliament.

26 What do you drive?

A parking spot is a rare commodity where I live now so I don't drive a car any more. I gave my car – a Mazda 6 – to my son.

27 Perfect Sunday?

A summer day in the park with my son, daughter-in-law and the grandchildren.

28 What actor would you like to play you in a film?

Not a clue. It will not be easy to find someone who looks even a bit like me – and it wouldn't be the most attractive role to play.

29 How would you like to be remembered?

As a good father and grandfather.

Next month Train-Tech's founder and electronics whizz David Palmer

Selling your model railway

Warwick and Warwick have an expanding requirement for early to modern collections of British and Foreign trains and train sets from large accumulations to items of individual value. Our customer base is increasing dramatically and we need an ever larger supply of quality material to keep pace with demand. The market has never been stronger and if you are considering the sale of your collection, now is the time to act.



FREE VALUATIONS - We will provide a free, professional valuation of your collection, without obligation on your part to proceed. Either we will make you a fair, binding private treaty offer, or we will recommend inclusion of your property in our next public auction.

FREE TRANSPORTATION - We can arrange insured transportation of your collection to our Warwick offices completely free of charge. If you decline our offer, we ask you to cover the return carriage costs only.

FREE VISITS - Visits by our valuers are possible anywhere in the country or abroad, in order to assess more valuable collections. Please phone for details.

ADVISORY DAY TOWNS - We are holding advisory days in all areas of the United Kingdom, please visit our website or telephone for details.

EXCELLENT PRICES - Because of the strength of our customer base we are in a position to offer prices that we feel sure will exceed your expectations.

ACT NOW - Telephone or email Richard Beale today with details of your property.



Get the experts on your side!



Warwick & Warwick

AUCTIONEERS AND VALUERS

www.warwickandwarwick.com

Warwick & Warwick Ltd., Chalon House, Scar Bank,
Millers Road, Warwick CV34 5DB England

Tel: (01926) 499031 • Fax: (01926) 491906

Email: richard.beale@warwickandwarwick.com