

WIN A DAVE LOWERY LAYOUT!



No. 254 November 2018 £4.30

MODEL RAIL

BRING YOUR LAYOUT TO LIFE

How modelling the weather can make
your layout look just like the real thing

BUMPER
156
pages
Still only
£4.30

EXCLUSIVE
'J70s' update
see p8



PLUS

**Why autumn offers
inspiration galore**

**Create the ultimate
'40' on a budget**

**REVIEWED
INSIDE**



Workbench TRICKS AND TIPS FROM OUR EXPERTS

- ✓ Ballast your track
- ✓ Scratchbuild a bridge
- ✓ Model a flooded field
- ✓ Weather rural buildings
- ✓ Create a tractor load



- ◆ HELJAN 'LARGE PRAIRIE'
- ◆ BACHMANN MK 2f
- ◆ MURPHY MODELS MK 2s
- ◆ OXFORD RAIL 5-PLANK
- ◆ REVOLUTION IZA 'TWINS'

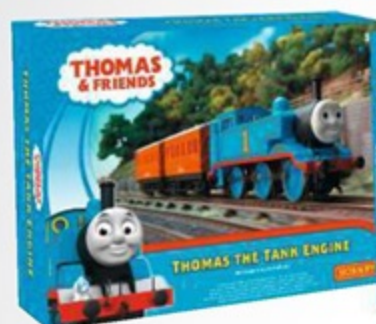
IN-DEPTH - INDEPENDENT - UNBIASED



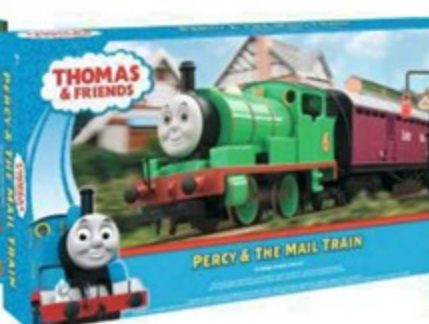
THE END OF THE LINE

The production of all Hornby Thomas & Friends™ products is drawing to a close.

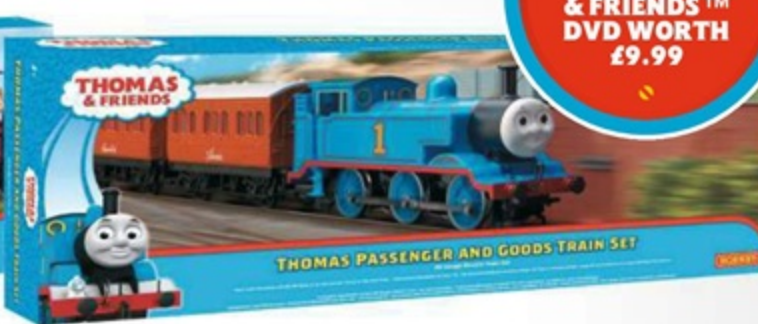
Order now while stocks last!



R9283
Thomas the Tank Engine™ Train Set



R9284
Percy and the Mail Train Set



R9285
Thomas Passenger and Goods Train Set



R9287
Thomas the Tank Engine™



R9288
Percy the Saddle Tank Engine



R9289
Edward the Blue Engine



R9291
Gordon the Big Engine



R9292
Henry the Green Engine



R9294
Troublesome Trucks



R9295
James' Composite Coach

R9296
James' Brake Coach

R9298
Gordon's Brake Coach

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



©2018 GULLANE (THOMAS) LIMITED. ©2018 HIT ENTERTAINMENT LIMITED.

www.hornby.com

Welcome



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

MODEL RAIL

brought to you by



Richard Foster

'Micro layout' fever has gripped the office. Richard is keeping this pet subject of his under wraps... for now.



George Dent

George has been in the wars this month, thanks to horses and hedges. Hope it won't prevent him building a 'micro'.



Chris Leigh

Chris fancies a return to his old haunts of Slough shed for his new layout. He's already got the coaling stage kit.



Chris Gadsby

Chris is heading underground for his new 'micro'. Why all the micro layouts? All will be revealed in the new year.



Chris Nevard

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



Peter Marriott

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



Dave Lowery

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



Paul A. Lunn

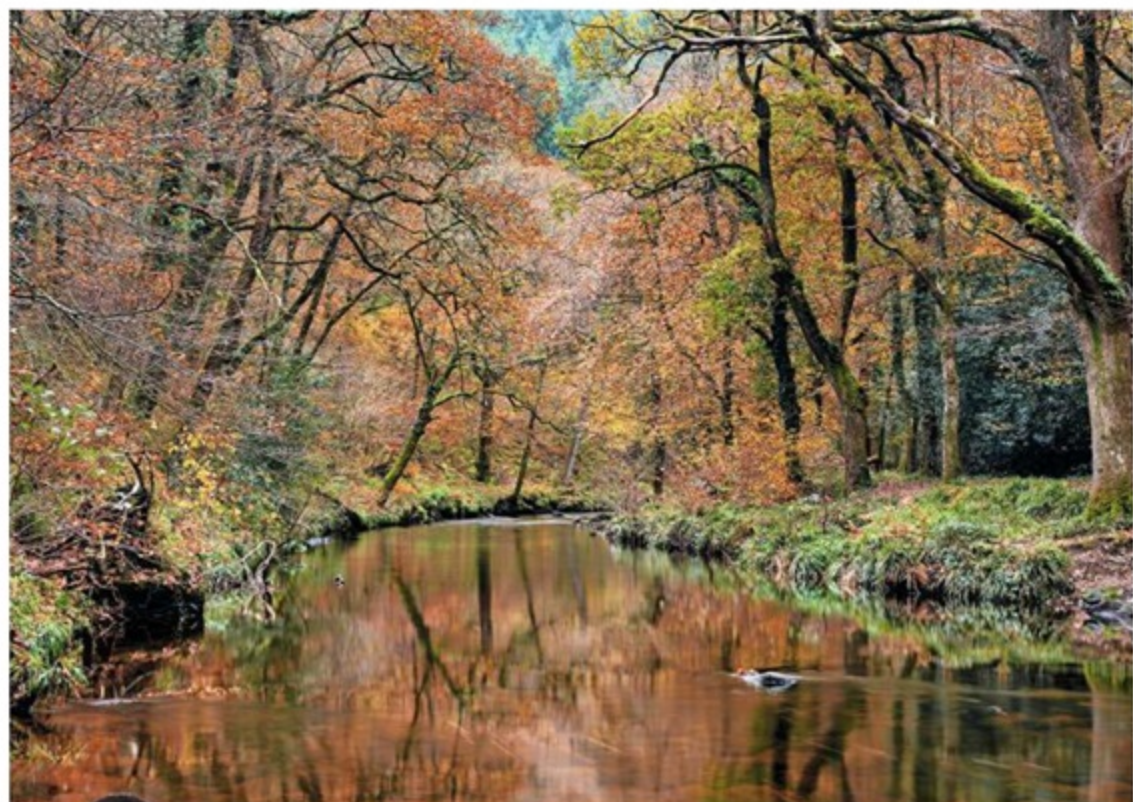
Paul is full of ideas for innovative and exciting layout designs with almost endless possibilities.



Ben Ando

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

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



HELEN DIXON/ALAMY



Autumn really is an overlooked season.

It's easy to see why winter layouts are few and far between. No one wants to be reminded of ice and snow when they relax with their hobby, which is why most layouts depict bright sunny summer days.

But when you think about it, autumn has a lot going for it. As I write this, even the small woodland behind the *Model Rail* office presents a superb modelling challenge. At the time of writing, the trees still have leaves but the green now sports patches of red and orange. The bushes are full of berries offering a riot of colour. The sky is bright blue. Squirrels are busy scrabbling through the brush.

Beyond the woods the fields are alive as farmers bring in the harvest, or plough the fields ready for next year's crop.

The weather is delightfully changeable. Mornings can bring haunting fogs. Dark and damp nights bring welcoming lights, particularly the warm fug of a pub with an open fire.

The railway is busy too. Today, it's clearing leaves, but in days past, farm traffic generated a lot of extra income, as coal stockpiles were topped up. And yet, summer timetables are still in force, often until early October. The more I think about it, the more I think 'Gedney' will be set in autumn.

Who will join me in recreating this 'forgotten' season?

Richard Foster Editor

Subscribe now and save £££££s

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

Life's better with *Model Rail*

Here's why: Starting as a supplement in *RAIL* magazine, *Model Rail* went 'standalone' in 1997. Every issue, we bring you easy-to-follow modelling projects that you can complete without breaking the bank, inspirational photographs of the best model railways and thorough, unbiased reviews so you can make the most informed choices when spending your money. Don't forget our own range of models - see p60 and p104.

From the archives MR97, Nov 2006

There's an autumnal theme to this issue as photographer Craig Tiley shoots Swindon MRC's 'O' gauge 'Wood Street' in natural light. George recreates an historic moment - the weekend when *Duchess of Hamilton* appeared at Tyseley in LMS post-war black with sloping smokebox.

Star review: Hornby 'M7' 0-4-4T
Masterclass: MetroVick Type 2 'Co-Bo'



Contents



60 See our range of 'USA' tank engines and order from www.modelrailoffers.co.uk

71 WIN A DAVE LOWERY LAYOUT!

MODEL RAIL

BRING YOUR LAYOUT TO LIFE

How modelling the weather can make your layout look just like the real thing

30 **EXCLUSIVE** '70s' update

36 **PLUS** Why autumn offers inspiration galore

57 Create the ultimate '40' on a budget

48 **Workbench** TRUCKS AND TIPS FROM OUR EXPERTS

46 **REVIEWED INSIDE**

- HELJAN 'LARGE PRAIRIE'
- BACHMANN MK 2f
- MURPHY MODELS MK 2s
- OXFORD RAIL S-PLANK
- REVOLUTION IZA 'TWIN'

IN-DEPTH - INDEPENDENT - UNBIASED

74 40 44 86 90 94 96 97

Cover: Chris Leigh's recreation of a 1965 cover shot diorama - see page 30. JACQUES PORTAL



Opening the box

6 The latest news from the world of model railways, and our Warley preview.

15 **According to Chris...**
Chris discusses motors in locomotives and using them with older controllers.



Features

18 **Battle lines**
Callum Willcox has created a tribute to the soldiers who fought in the 'Great War'.

78 **Island treasures**
Paul A. Lunn presents concepts for modelling the Isle of Man and Isle of Wight.



18 'Amiens 1918'



85 Reviews

Heljan's GWR 'Large Prairie', Bachmann Branchlines' Mk 2f coaches, Oxford Rail's 'Dean Goods' - with snowplough, MBR's tree range, Murphy Models' Mk 2s, Oxford Rail's five-plank open wagons and Revolution's IZA Cargowagon twins.

Looking for a previous article?

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



62 Access All Areas



78 Masterplan

Workbench

- 30 Model weather**
Chris Leigh reprises one of the covers he made back in 1965!
- 36 Model the autumn**
Peter Marriott shows you how to capture autumn on your layout.
- 40 Create an autumn pub**
Chris Nevard has the perfect remedy for those gloomy autumn nights.
- 44 Model a tractor load**
Pete Armstrong shows you how to add a 'wow' factor to a tractor.
- 46 Build an urban bridge**
Peter Marriott scratchbuilds and fits a cheap and simple girder bridge.
- 48 Ballast your track**
Follow Peter Marriott's advice and you'll have your track looking spot-on.
- 50 Whistling wonders**
An in-depth look at the English Electric Class 40.
- 62 Access all areas**
Exclusive, behind-the-scenes access to Wembley Traincare depot.



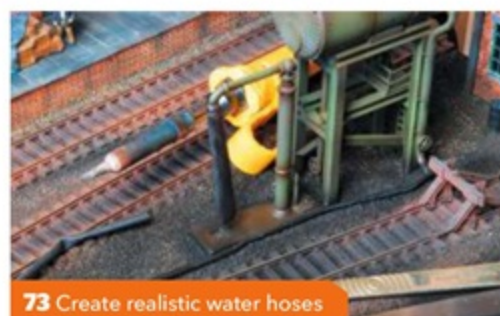
36 Model the autumn



40 Create an autumn pub



46 Build an urban bridge



73 Create realistic water hoses



74 Model a flooded field



77 Tool of the month

Regulars

- 16 Subscribe to Model Rail**
Turn to page 16 for this month's special offer.
- 60 'USA' of the month**
Another month, another exclusive 'USA' model. Order yours today.
- 72 Know Your Stuff**
Our team answer your modelling queries and offer some top tips.
- 98 The Club Room**
The guest chairman, your letters and projects, plus Exhibition Diary.
- 104 Model Rail exclusives**
Order your 'Sentinel', 'J70' and our other exclusive models and publications.
- 107 Next Issue**
A sneak peek at what's in store for the next exciting issue of *Model Rail*.
- 153 Present your case**
The place to voice your opinions on potential new models.
- 154 Backstory**
Extra details on the GWR 'Large Prairie' '61XX', reviewed on page 86.

Opening the box

The latest happenings from the world of model railways



The Big Picture

It was claimed that the arrival of the Class 66 in 1998 would eradicate traditional British traction. But this aerial view reveals that some rather familiar-looking shapes are still with us some 20 years on.

This sort of line-up would have got enthusiasts salivating at the fence in days gone by. Some would have risked the wrath of railway staff by bunking the depot. But, in the 21st century, all we need is a man in a helicopter with a camera to see everything on offer.

Outside UK Rail Leasing's Leicester depot on July 17 2018 are three Class 50s, six '37s', seven Class 56s, two Class 47s, a Class 58 and a Yorkshire Engine Company shunter. All of the 'Grids' in this shot have been sold to GBRf - it's bought 15 in total - and are planned to return to service but with new engines and generators. PHIL METCALFE



In this picture:

Class 37: 37003 (Class 37 Group), 37503, 37601, 37800, 37906 (all Europhoenix), 37905 (private)

Class 47: 47847, 47843 on stands (Rail Operations Group)

Class 50: 50008 (Garcia Hanson), 50007, 50049 (Class 50 Alliance)

Class 56: 56301 (Class 56 Group), 56104, 56106 with no cab and three unidentified classmates (GBRf)

Class 58: 58016 (Class 58 Group)

Workbench

5 skills you can master this issue

- ◆ Fit working lights p32
- ◆ Make your own trees p39
- ◆ Install a smoke unit p44
- ◆ Scratchbuild a bridge p46
- ◆ Weather diesel locomotives p58



MR-202: No. 68222,
BR early emblem, full skirts

00
GAUGE

'J70s' - THE FINAL EIGHT!

The wait is nearly over... An exciting package arrived in the *Model Rail* office during September, containing the remaining eight decorated samples of our 'J70' 0-6-OT.

Here's an exclusive taste of things to come. There are a few minor tweaks for Rapido Trains to carry out before production can start. Please

be patient - they're on their way!

As we noted with the first two samples that we received in July, the bell will be painted roof grey because the factory cannot paint the mounting frame separately owing to the delicate nature of the component. We felt it was better for you to choose your favourite 'brass' colour if you wanted to paint it, rather than try to match the shade of roof grey.

MR-203: No. 68225,
BR early emblem



MR-201: No. 68219,
BR early emblem



MR-206:
No. 7128, LNER wartime, full skirts

Not yet ordered your 'J70'? Call 01209 613984 or go to www.modelrailoffers.co.uk



MR-207:
No. 8223, LNER post-war,
full skirts

MR-208: No. 7126, LNER lined



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



MR-210:
No. 7139, LNER lined

BROWSE MODEL RAIL RELEASES

Ever wanted to know just how many exclusive models and limited editions Model Rail has commissioned since 1997?

Go to www.model-rail.co.uk, click on the 'Online Features' drop-down list, select 'Model Rail Exclusives'

and you'll be able to browse the full range, including the year that it was launched.



HIGH-CALIBRE MODEL

Oxford Rail has unveiled decorated samples of its forthcoming 'OO' gauge rail-mounted gun. HMG *Boche-Buster* was one of two 14in railway guns built during the First World War. The 18in Howitzer was subsequently developed, designed to fit the same 15-axle carriage.

Boche-Buster was brought out of store prior to the Second World War, fitted with an 18in barrel at Darlington Works and moved to the Elham Valley Railway in Kent to help defend

the Channel. It entered service on the EVR in 1940 and remained there until 1943, when it was moved to Salisbury Plain. One barrel survives, but the carriage was scrapped.

Oxford Rail is to offer

Boche-Buster in a pack with a War Department-liveried 'Dean Goods' (OR76BOOM01, RRP £169.95) and as the similar 13½in gun HMG *Gladiator* (OR76BOOM02, RRP £49.95).



3D-PRINTED RARITIES

Is your favourite railway subject not currently covered in ready-to-run or kit form? Have you been searching for an item of rolling stock to no avail? Chances are that it might be available in 3D-printed form from Recreation21. Its extensive collection of locomotives, multiple units and rolling stock is available in 'N', 'TT', 'HO', 'OO', 'O' and 'Gauge 1' and is produced by Shapeways.

Keep up to date with new announcements at www.rue-d-etopal.com

SIGNAL POST ETCHES

Tracksignals has introduced new two-part etches to make 20ft or 30ft signal posts in 'O' gauge. The posts, designed to be easy to fold and solder, are hollow in order to take the wiring.

Price: £5.50 (plus P&P)

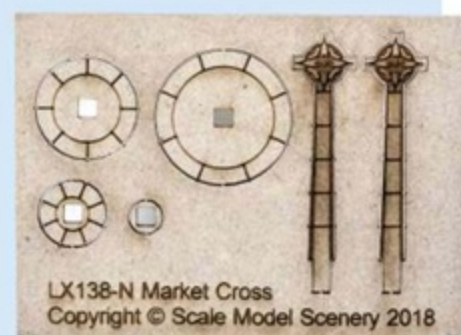
Availability:

www.tracksignals.co.uk



LASER-CUT ACCESSORIES

Scalemodelscenery has added some interesting new items to its range of innovative scenic accessories. This little Market Cross (LX138-N) joins the range of laser-cut detailing items in 'N'. New in 'OO' are these anti-trespass grids for single and double-track level crossings (AX061) and these large-diameter pre-cast concrete drainpipe wagon loads come complete with wooden plinths (AX053). **Price:** £2.99 (LX138-N); £3.95 (AX061); £4.95 (AX053) **Availability:** Scalemodelscenery **Tel:** 01530 456952 **Web:** www.scalemodelscenery.co.uk



Rolling stock releases

Locomotives and rolling stock arriving soon

'DEVON BELLE' IN A NEW LIGHT

00 GAUGE Hornby's 'Devon Belle' observation car is back, and this time it has interior lighting.

Product code: R4860 **Price:** £74.99

Availability: Hornby stockists or www.hornby.com



HORSEBOX JOINS BRANCHLINE RANGE

00 GAUGE The BR Mk 1 horsebox that Bachmann originally produced for TMC is now part of the main Branchline range. BR crimson No. E96354 is joined by BR green No. S96409.

Product code: 38-525 **Price:** £36.95

Availability: Bachmann stockists



'LARGE ATLANTIC' JOINS THE LINE-UP

00 GAUGE Another model now part of the Branchline range is the former Locomotionmodels GNR 'Large Atlantic' 4-4-2. GNR No. 272 complements No. 4421 in LNER green.

Product code: 31-761 **Price:** £199.95

Availability: Bachmann stockists



'PATRIOT' BACK ON DUTY

00 GAUGE Hornby's rebuilt 'Patriot' 4-6-0 returns as No. 45534 E. Tootal Broadhurst in BR lined green with pre-1956 emblem.

Product code: R3633 **Price:** £169.99

Availability: Hornby stockists or www.hornby.com



HORNBY COACHES HIT THE RAILROAD

00 GAUGE Hornby's elderly LMS coaches are now available as a RailRoad triple-pack in maroon with gold 'Coronation Scot' stripes and branding. The pack comprises two First Opens and a Third.

Product code: R4873

Price: £79.99 **Availability:**

Hornby stockists or www.hornby.com



NEW 'JANUS' MODELS COMMISSIONED

00 GAUGE Golden Valley Hobbies has commissioned two new 'Janus' diesel shunters and complementary wagon triple-packs from Oxford Rail. The first features Allied Steel & Wire livery. **Product code:** GV2016 ('Janus'); GV6020 (wagons) **Price:** GV2016 £99.95; GV6020 £29.95 **Availability:** Golden Valley Hobbies stockists or www.goldenvalleyhobbies.com

00 GAUGE The second 'Janus' comes in a red livery with ICI branding and Richard Borrett nameplates, whereas the ICI seven-plank wagons are blue. **Product code:** GV2020 ('Janus'); GV6016 (wagons) **Price:** GV2020 £99.95; GV6016 £29.95 **Availability:** Golden Valley Hobbies stockists or www.goldenvalleyhobbies.com



CLASS 20 CORRECTION

Gremlins got into the production of MR253 and, unfortunately, the link to Precision Labels' decals and etched plates for London Transport liveried Class 20s 20227 and 20142 got cut short. The full link is as follows: www.precisionlabels.com/pay.html?22.50<-20142-20227 (quick link: <https://bit.ly/2073kLu>)

BETTER OBLATE THAN NEVER

Revolution Trains has joined forces with container specialist C-Rail Intermodal to offer the 20ft oblate tank - an octagonal cylinder - in 'N' gauge. Four liveries are planned. RRP is £9.00 and delivery is expected in early 2019. **Availability:** www.revolutiontrains.com or www.c-rail-intermodal.co.uk

DIGITAL CONTROL DEMONSTRATION

Want to know more about DCC? Then you need to get yourself to Great Eastern Models on December 7 for its 'Goes Digital Day'. The day, which is free to attend, features demonstrations and layouts to answer all your DCC questions and queries. Register your interest by writing to Anne Martin at Great Eastern Model Railways, 199 Plumstead Road, Norwich, Norfolk NR1 4AB or e-mail gemodels199@gmail.com

BALE OUT

New from Noch is this pack of 18 round bales with realistic 'straw' finish. **Product code:** 07460 **Price:** £9.25 **Availability:** Gaugemaster **Tel:** 01903 884488 **Web:** www.gaugemaster.com



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



Swiss-made

There are new trains galore being built on the Continent for use in Britain. Here's the Class 755, a four-car electro-diesel unit being built by Swiss firm Stadler for Greater Anglia. The first '755s' were due to arrive at GA's Norwich depot during autumn. Meanwhile, the first of GA's new Class 720 EMUs was unveiled at Bombardier's Derby works on September 13. PAUL STEPHEN/RAIL

Pioneer '19' proves the concept

There's never been a Class 19... until now. Artemis Intelligent Power has turned Mk 3 Driving Van Trailer 82113 into a diesel-hydraulic locomotive, using a JCB engine and its own hydraulic pumps and axle-mounted displacement motors and transmission. Pioneer Class 19 19001 underwent tests at the Bo'ness & Kinneil Railway during the summer. The conversion was funded by the Rail Safety and Standards Board with a view to seeing if Class 19s could be used on lines not due for electrification. STUART SELLARS



First train from Spain

Northern has received its first Class 331 EMU from Spanish train builder CAF. 331001 will be joined by 30 three-car and 12 four-car sets. Northern has also taken delivery of its first Class 195 DMU, which will share the same family look as these EMUs. NIGEL CAPELLE

Vive la différence

Got a diesel depot layout in need of something a little different? How about recreating this scene? Class 66s might be a common sight on Britain's railways, but Captrain certainly isn't. It's the international rail freight arm of SNCF Logistics (part of the French state rail operator). Its EMD Class 66 6601 - given the TOPS number 66999 - was towed from Hull Docks to Electro Motive Diesels' workshops at Longport, in Staffordshire, for attention on August 20. RON COVER



GET READY FOR WARLEY!

It's nearly that time of year again, when crowds flock to the National Exhibition Centre for the Warley National Model Railway Exhibition - Britain's premier model railway show. Over 90 layouts and 150 trade stands will populate Hall 5 of the NEC over the weekend of November 24/25. New this year is 'Kids for a Quid' for under-16s who are accompanied by an adult. There's a full breakdown of the prices below.

Here's the essential information to November 24/25's extravaganza.

THE LAYOUTS

2mm:1ft scale

'Blue is the Colour'
'Bridgford'
'Burnham on Sea'
'Didcot 'A' Power Station'
'Hadderton'
'Hawes Junction'
'Hawthorne Dene'
'Haversham Central'
'Heworth Sidings'
'Longreach'
'Lymebrook Yard'
'Priory Lane'
'Westbrook'
'Westalan'
'Wickwar'

3mm:1ft scale

'Ashbrook'

4mm:1ft scale

'Ashlisle TMD'
'Brighton East'
'Croydon North Street'
'Devonport Road'
'Duxbury'
'Ebsworth Street'
'Ellesmere'
'Eskmuir'
'Friday Bridge'
'Garndyrau Valley Tramway'*
'Harbourne'
'Journey's End Cemetery'*
'Liverpool Lime Street'
'Lower Exbury'
'Ludlow'
'Lulworth Castle'
'Maranique'*
'New Bryford'
'Northbridge'
'Oakley Green'
'Sidmouth'
'Sutton-in-Ashfield Town'
The Jordan Reid Model Railway Project
'Thornbury Hill'
'Tidworth'
'Waterhulme'*
'Waterloo Road MPD'
* Narrow gauge

7mm:1ft scale

'Blakecaster'*
'Broom Junction'
'Central Works'
'Denton Brook'
'Gorbrinton Hill'



'Liverpool Lime Street'.
CHRIS NEVARD

Come
and see the
Model Rail team
at stand **D24** and
take advantage of our
special show prices on
exclusive models and
subscriptions!

WARLEY 2018 - ESSENTIAL INFORMATION

www.thewarleyshow.co.uk

When is it?

Saturday November 24 2018 0945-1800
Sunday November 25 2018 0945-1700

Where is it?

Hall 5, National Exhibition Centre,
Birmingham B40 1NT

How can I get there?

■ **By train:** The NEC is adjacent to Birmingham International Railway Station. For further information on getting there by train, please contact National Rail Enquiries. **Tel:** 08457 484950

Web: www.nationalrail.co.uk

■ **By car:** The NEC is situated eight miles east of Birmingham. Visitors from any direction can travel to the NEC site directly via the M1, M5, M6, M6 Toll, M40 and M42 motorways.

What does it cost?

Adult One day:	£17.00 (£15.50*)
Adult Two day:	£29.00 (£28.00*)
Child:	£1.00 (£1.00*)
Child Two day:	£2.00 (£2.00*)

* Advance tickets can be purchased by enclosing a cheque (payable to Warley MRC Exhibitions Limited) with a self-addressed envelope, to arrive no later than November 9, to: Warley National Model Railway Advance Ticket Sales, 86 Gospel End Road, Dudley, West Midlands DY3 3YU.

Advance tickets can also be purchased from 0844 5810737, or www.theticketfactory.com. Advanced ticket holders will be permitted to enter the show at 0915 on both days.

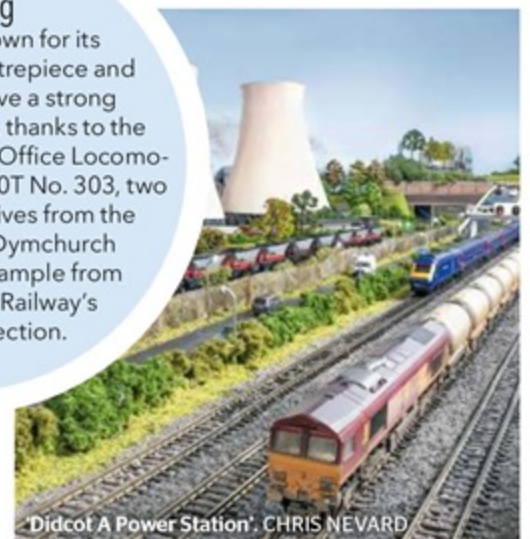
The real thing

Warley is also known for its full-sized railway centrepiece and 2018's show will have a strong narrow gauge theme, thanks to the appearance of the War Office Locomotive Trust's Hunslet 4-6-0T No. 303, two 15in-gauge locomotives from the Romney, Hythe & Dymchurch Railway and one example from the Statfold Barn Railway's extensive collection.

'Haydon Square'
'Longnor'*
'Love Lane'
'Lowick'
'Mulldale'*
'Portwenn'*
'Q Dump'*
'Rumbow Edge'*
'Up the Line'*
'Ventnor West'
'Wyken Yard'
'Wallows Pit number 29'
* Narrow gauge

Other scales

There'll be at least 35 other layouts in different scales and gauges.



'Didcot A Power Station'. CHRIS NEVARD

HARDER & STEENBECK



Available from

graphicair.co.uk

everythingairbrush.com

veteranus.co.uk

elementgames.co.uk

air-craft.net

graphicsdirect.co.uk

modellertools.co.uk

wargamestore.com

emodels.co.uk

scalemodelshop.co.uk

eileensemporium.com

PAINT EASY WITH HARDER

www.harder-airbrush.eu



According to Chris...

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

Coreless motor. What was your reaction to those two words? Curiosity? Annoyance? Anticipation of another war of words? There's little doubt that, to some modellers, the words are instant provocation.

It reminds me of the reaction to 'VHS' by a Betamax video user, or to 'cassette tape' by those committed to vinyl records. I'm not sure that I ever heard, among those same folk, a similar reaction to '45rpm' when their gramophone would only play at 78rpm. But I'm sure everyone thought that the stylus was an improvement over the steel needle.

But back to coreless motors. They are not a new thing but developments in motor design and construction have meant that a coreless motor can offer major advantages in a model locomotive, particularly where space is at a premium. It does, however, need to be the right coreless motor for the job, as the down side is that they produce less torque, and consequently generate more heat. The other down side is that we haven't yet become accustomed to them.

Not that we've really had much chance to become used to anything because, as in every technology, change and improvement has been ongoing. When I started work in 1963, Tri-ang's X04 and Hornby-Dublo's Ringfield

“Many of us are reluctant to throw out old stuff if it still works”

were 'state of the art'. The X04 may have been less powerful, more basic and cheaper, but it won hands down because it was also smaller. It was adopted as a staple for powering kits too, until superior motors with the same dimensions came along. In the meantime, Tri-ang took things down one more size with the XT60 motor, developed for the 12mm gauge 'TT' range.

Everything changed again in the 1970s with the return of Ringfield magnets in the so-called 'pancake' motor adopted by Lima and Tri-ang Hornby. By using this in tender-drive mechanisms for steam locomotives and motor bogies for diesels, serious savings could be made in the manufacture and stocking of parts. Overall, however, modellers did not like them. The spur gearing was relatively unsophisticated and slow running was hit-and-miss, while a steam locomotive pushed by its tender was seldom a convincing sight. That other bane of

1960s modellers, traction tyres, also returned with a vengeance on these six-wheel drive mechanisms, usually affecting the number of power-collecting wheels and degrading performance even further.

Since the move to Chinese manufacturing in this century, there has been very little standardisation of motors. At first there was a move from three-pole to five-pole motors, and to enclosed 'can' motors. In recent years, with motors often housed in inaccessible casings, the motor has become increasingly integrated with the chassis and gear train, making it difficult for reviewers to ascertain exactly what type of motor is fitted. We've even had instances where different production runs of the same model have had different motors, Oxford's 'Dean Goods' being a case in point (initially five-pole, later three-pole).

The coreless motor offers a double advantage in a better power: size ratio and quieter running – ideal attributes for potential DCC sound installation. Though not a prerequisite for all modellers, a 21st-century locomotive tooling does need to make provision for this developing aspect of railway modelling.

The downside of coreless motors – and some other modern types – is that they are not tolerant of the current 'spikes' which can happen with older model railway controllers. It seems that 1960s model railway controllers, though unsophisticated, were built to last and some modellers are reluctant to update their equipment. Many of us are disinclined to throw out old stuff if it still works. As a result, I was surprised to find no fewer than five 'generations' of controller at home, three of them in regular use on my layouts.

Only one of those controllers still in use is analogue, and that's on my British 'OO' gauge layout. It is around 15 years old and is Gaugemaster's controller for double track. It is probably time I upgraded again, but it is compatible with modern motors and still in production so there seems little point.

The oldest of my controllers is an H&M model which was used for reviewing models at *Model Railway Constructor* back in the 1960s. I keep it for historical interest and because its six switchable circuits enable me to provide variable power for lighting or powering accessories when nothing else is available.

I can't imagine any circumstance under which I would use it to power trains as, at 60 years old, it is at least twice the age of any locomotives that I operate. Technology moves on, and what other 60-year-old electrical appliance would we even consider using?



H&M POWERMASTER

This H&M Powermaster was used to test review samples in the days of the Hornby-Dublo Ringfield-powered 'Castle' and 'West Country' models nearly 60 years ago.



DIGITRAX

My first DCC controller, used on my 'HO' scale layout, is about ten years old but has already been upgraded with a new throttle (the hand-held unit) because the number of available functions had to be increased.



GAUGEMASTER DCC

My most recent DCC purchase was this Gaugemaster system which is, perhaps, overkill for my 'N' gauge 'Staines West' layout, on which only one train at a time is ever operated.

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

Subscribe and save

Subscribe to **MODEL RAIL** for just £3.30 an issue*



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

01858 438884

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

www.greatmagazines.co.uk/

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



PRINT

■ Just £3.30 when you pay by monthly recurring payment

■ 13 issues for £41 when you make a one-off payment

DIGITAL

■ Just £2.30 when you pay by monthly recurring payment

■ 13 issues for £26 when you make a one-off payment

SUBSCRIBE TODAY AND BENEFIT FROM:

■ Free UK delivery to your door

■ Instant access to your digital magazine whenever, wherever you are

■ For a limited time only, get *Model Rail* for just £3.30 each issue!

■ Save on shop prices

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

Every issue is packed with superb photography and behind-the-scenes articles about Britain's best model railways, in-depth reviews of new models, real-life inspiration and expert 'how to' advice.
Don't miss out – subscribe today!

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

modelrail

Terms & Conditions: *£3.30 applies when you choose the print option and pay by recurring payment every month. Subscriptions will start with the next available issue. After the first month 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 November 21 2018. This offer cannot be used in conjunction with any other offer. Cost from landlines for 01 numbers per minute are (approximately) 2p to 10p. Cost from mobiles per minute (approximately) 10p to 40p. Costs vary depending on the geographical location in the UK. You may get free calls to some numbers as part of your call package – please check with your phone provider. Order lines open 8am-9.30pm (Mon-Fri), 8am-4pm (Sat). UK orders only. Overseas? Please phone +44 1858 438828 for further details. Calls may be monitored or recorded for training purposes. For full terms and conditions please visit www.greatmagazines.co.uk/offer-terms-and-conditions

Battle lines

The First World War wasn't exclusively fought in muddy trenches, as **Callum Willcox**'s tightly focused take on a scene from the Battle of Amiens accurately depicts.

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



VITAL STATS

Layout:

'Amiens 1918'

Size: 4ft by 2ft

Gauge: 'OO9'



It was a secret plan. The Allied bombardment started at 4.20am on August 8 in the fog. The ensuing infantry advance happened so quickly that a party of German officers was captured while they were eating breakfast. Over seven miles were gained in the first day, one of the greatest advances of the 'Great War'.

The Battle of Amiens was part of the opening phase of the Allies' Hundred Days Offensive, that ultimately led to the end of the conflict three months later. Amiens was an important railway junction and Allied plans to free the town (and, most crucially, keep German artillery

out of range of the railway) were formed in July 1918.

A century later, Callum Willcox has commemorated this momentous occasion and the end of the First World War with his 4ft by 2ft 'OO9' layout, titled 'Amiens 1918'.

"I had decided last year that I wanted to build a war-themed layout for exhibition, and when I was doing my research Amiens seemed the perfect example. Not only was this huge offensive a turning point of the war, but it also signified the end of trench warfare, as tanks and the newly formed RAF began to play a greater role. This allowed me to depict men and machines together with a large amount of rolling stock." ➤



2 The trees on the left-hand side of the layout are from Woodland Scenics. The track is Peco 'OO9' Setrack.

3 things we like



1

Trench retaining walls were made from coffee stirrers, card and old takeaway trays.



2

The destroyed trees were made from real wood that's been cured.



3

Artillery batteries were produced from 3D printed kits, like this Howitzer.



What makes this layout great?

This layout encapsulates the essence of the war brilliantly. It's a busy scene and you can imagine yourself as one of the soldiers on the train, moving along the Western front to your next station.



BUILT TO TRAVEL

The layout was designed for exhibition from the outset, which forced Callum's hand with regards to its size. The largest it could be was 4ft by 2ft so it would fit in his car. Naturally, this made it impossible to accurately model the complex narrow gauge junction at Amiens. Instead, he opted for a typical, quickly laid narrow gauge line that brought men and materiel to the front.

"I've used a sheet of MDF with plywood strips for the batons," Callum explains. "It's a simple layout electrically as I don't use point motors, instead opting for the same dowel and rod method used by Chris Nevard."

The current locomotive fleet comprises models from the Minitrains stable. These are all analogue models, but the arrival of the Bachmann Narrow Gauge Baldwin 4-6-0PT, with its Next18 decoder socket, has led Callum to convert the layout for both analogue

and DCC control, using Gaugemaster W and Gaugemaster Tech 6 units.

'Amiens 1918' lets Callum satisfy his interest in model railways and the military. He's used it to address some common misconceptions about the First World War.

"Whenever war footage is shown it is always of trench warfare in mud baths, in places such as the Somme," he says. "Amiens happened so quickly that the area didn't have time to turn into a mud bath, and there were fields and trees on the landscape. The photographic backscene from Gaugemaster was the closest I could get to this.

"The other aspect I wanted to highlight was the importance of the narrow gauge railways in the war effort for moving troops and supplies along the Western front. Ironically, the Battle of Amiens resulted in the end of the use of the light railway, as the rate of advance was so fast from that point ➤

Above: The B Type 'battle bus' is from Corgi. Callum had to use other techniques to hide the transition from fiddleyard to scenic section. At one end, the railway disappears into trees, while at the other a deep trench disguises the transition.



Top and middle right: Having decided from the outset that his layout would centre around a 9.2in Howitzer, Callum was several months into the build before he discovered a suitable model - a 3D printed kit that he discovered at a show.



Above: There are four locomotives on the layout: a US-built Baldwin 2-6-2T trench locomotive, a captured German Brigadelok 0-8-0T, a black Decauville Progres 0-6-0T with WD markings and a small French Schneider Locotracteur in grey First World War livery. All are Minitrains models.

Inset: One amusing feature that Callum added to the layout was the soldier with a cigarette in his hand next to a pile of shells.

Left: The soldiers in the wagons were part of WD Models' 'sitting on a bus' range and since their use on 'Amiens 1918' they have been dual-branded as military figures as well. Look closely at the soldiers in the wagons and you'll see they are all handing out cigars, and one of them has his hand on the brake handle.



onwards that the railways couldn't keep up and lorries took over instead."

There's one building on the layout – an Airfix kit called 'European ruined workshop' – that Callum has modified and painted. Although it came with a hole in the roof, it was far too neat to suit a war-torn area.

"The kit came undetailed and unpainted. I added the rafters into the roof and some paddocks to give the impression that it was used as a stable before the war. I then used brick sheets (a war gaming product), smashed up and moulded over polystyrene to add height to the rubble on the ground next to it. Soldiers in the war would not have walked around this pile but simply over it, so I flattened it down a little where they would have trodden a path."

Recycling is a major element of Callum's creation and many of the items on the layout are everyday objects. The trench walls are coffee stirrers and cereal boxes, while the corrugated iron was made out of an old Chinese takeaway container.

"The spent artillery shells are used drinking straws. I had to buy certain bespoke items, such as the barbed wire, which is modelled in two forms on the layout. It's made by Jarvis and you can see new wire being ➤





delivered on the back of one of the wagons, but I've painted and weathered the wire in place around the trench.

MUD AND GLORY

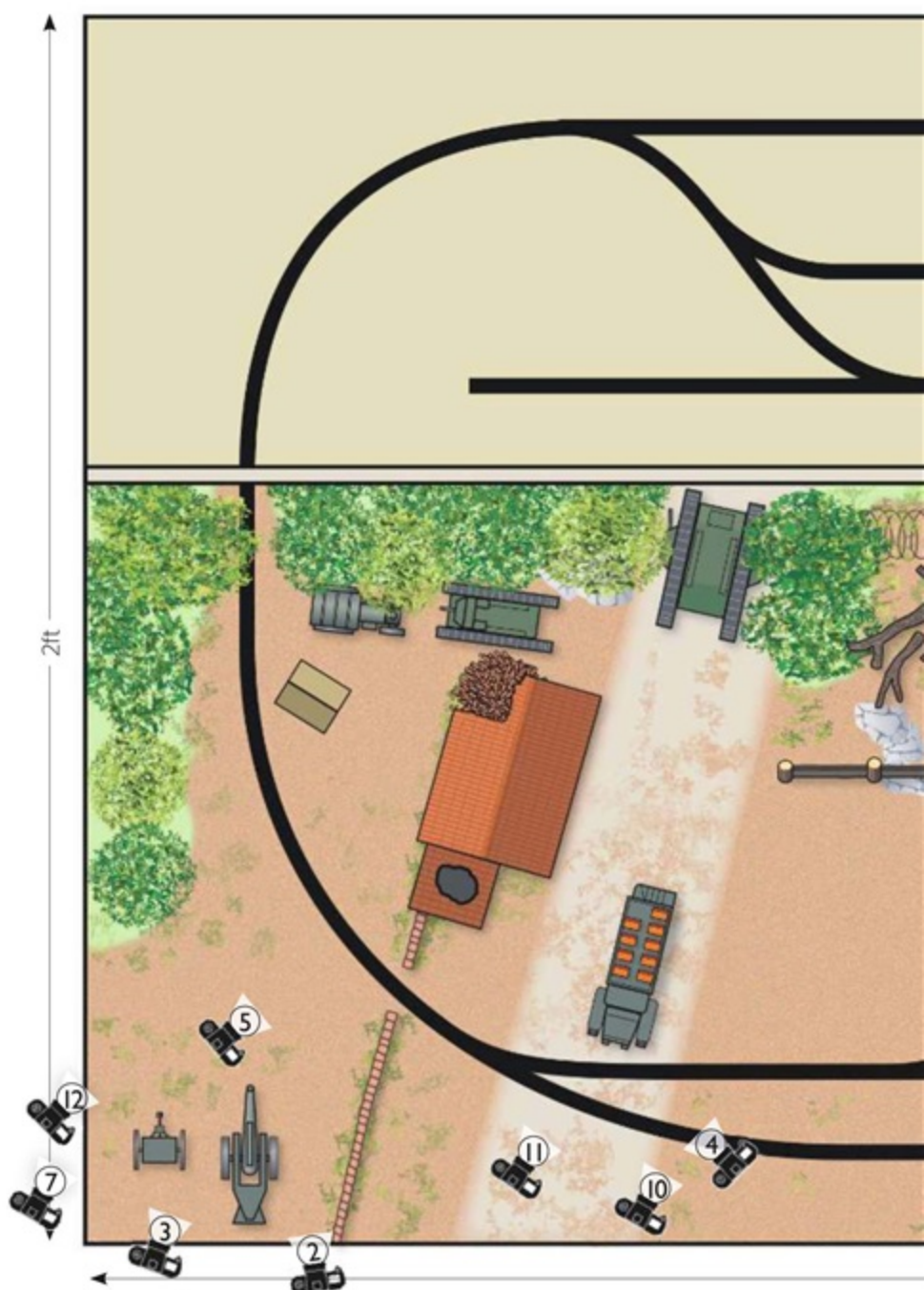
The 'mud' ground cover is a solution of PVA and brown wood filler, applied by hand to give it a rough effect. It gave Callum the biggest headache.

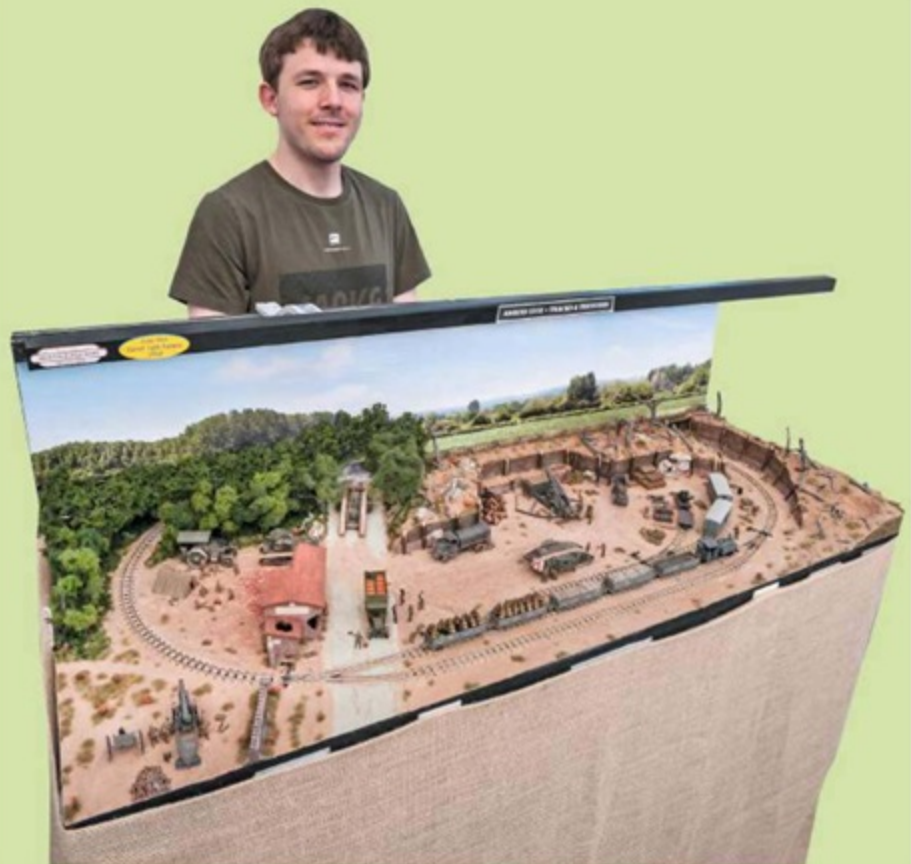
"I laid the track, ballasting it with fine sand and then laying the 'mud' over the top," he recalls. "The problem was the PVA and wood filler solution would then dilute the already-glued ballast and it would peel up, meaning that it would have to all come up and be laid all over again, as the ballast showed through."

The figures are kits from WD Models and they need to be assembled by the modeller. This allowed Callum to assemble and glue them into the positions he wanted and make them unique. They are all hand-painted and all the soldiers are doing something. The artillery crew are undergoing a training exercise in the bottom left corner, while in the centre of the layout the Howitzer is being prepared for the next attack. Behind that a tank is being serviced by soldiers holding oily rags. Callum's layout provides us with a very focused glimpse of a global conflict. It is not only an excellent piece of modelling but also a fitting tribute to the 15 million people who lost their lives in the First World War. It gives us an insight into what it might have been like in a corner of a foreign field as 2018's Remembrance Sunday pays tribute to those who made the greatest sacrifice. **MR**

DISCOVER MORE, DO MORE

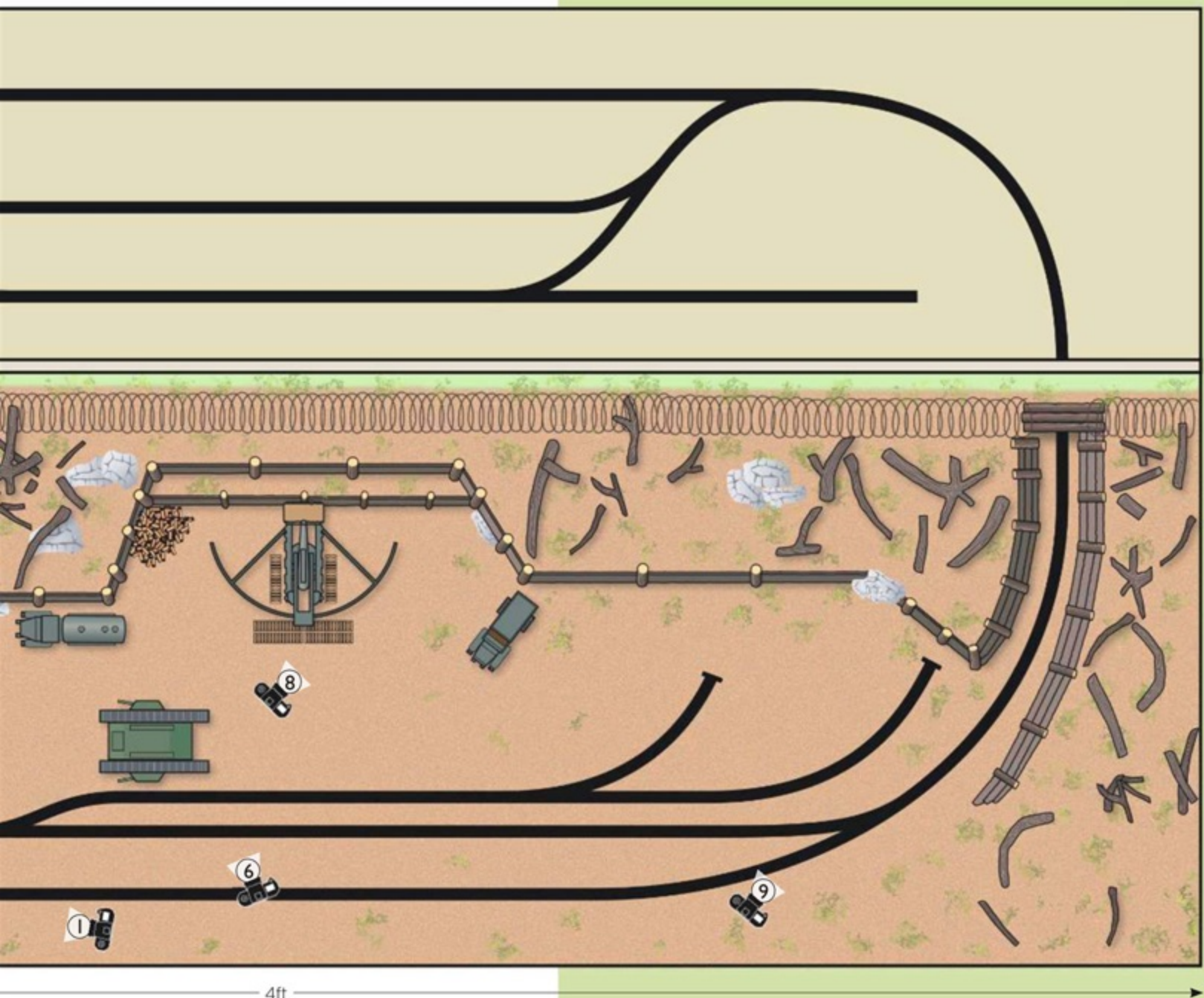
Callum recorded his progress during the construction of the layout and you can watch it, plus his videos of preserved railways, on his YouTube channel: <https://bit.ly/2MUTxTn>





MODELLER CV: CALLUM WILLCOX

When I'm not working as a bar manager during unsociable hours, or working on the layout, I go out with my friends to record footage of preserved railways. I was also a member of one of the teams in episode two of Channel 5's *The Great Model Railway Challenge*.



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...



£0
Deposit

DAPOL EXCLUSIVE
Pre order your
N Gauge
HST-P today at
www.dapol.co.uk

CLASS 86



2D-026-001/D - Class 86 Mons Meg Serco 86401 Caledonian Blue SYP/DCC



2D-026-003/D - Class 86 The Boys Brigade 86243 BR Executive Livery/DCC



2D-026-002/D - Class 86 Les Ross / Peter Pan 86259/E3137 Blue SYP/DCC



2D-026-004/D - Class 86 Meteor 86216 BR Blue FYP/DCC

These are 1st Decorated Samples Copyright Dapol Ltd.

IOA WAGON



Previous model shown for illustration purposes only.

4F-045-009 - IOA Ballast Wagon Network Rail Yellow 3170 5992 031-2

4F-045-010 - IOA Ballast Wagon Network Rail Yellow 3170 5992 001-5

4F-045-011 - IOA Ballast Wagon Network Rail Yellow 3170 5992 040-3

4F-045-012 - IOA Ballast Wagon Network Rail Yellow 3170 5992 059-3

2F-034-063 - 21T Hopper - Doncaster Coalite 578
2F-034-064 - 21T Hopper - Doncaster Coalite 578 Weathered
2F-038-055 - 20T Steel Mineral - Blaenavon 2448
2F-038-056 - 20T Steel Mineral - Blaenavon 2448 Weathered
2D-019-007 - Class 43 HST Virgin East Coast 43311/43312
Plus an assortment of MK3 HST Coaches in Virgin East Coast Livery

7F-053-007 - 5 Plank Corrugated End BR Diag 39 Grey B494780
7F-053-008 - 5 Plank Corrugated End BR Diag 44 Bauxite B486749
7F-056-013 - BR Standard Planked Van Diag 208 Bauxite B758511
7F-056-014 - BR Standard Planked Van Ale Bauxite B870077
7F-056-015 - BR Standard Plywood Van Diag 213 Bauxite B765401
7F-057-003 - BR Insulated Van Diag 0251 White B872176

4F-013-120 - Gunpowder Van - Rugby Cement 12
4F-013-121 - Gunpowder Van - Rugby Cement 12 Weathered
4F-016-033 - Banana Van - Fyffes Bauxite B881929
4F-016-034 - Banana Van - Fyffes Bauxite B881929 Weathered
4F-032-019 - Rectangular Tank - S E Tar Distillers R7
4F-032-020 - Rectangular Tank - S E Tar Distillers R7 Weathered
4F-052-023 - 5 Plank IB - A Telling 17
4F-052-024 - 5 Plank IB - A Telling 17 Weathered
4L-001-005 - Junction Signal GWR Right hand with two arms shorter post to right
4L-001-006 - Junction Signal GWR Left hand with two arms shorter post to left
4L-001-007 - Bracket Signal GWR Right hand with one arm
4L-001-008 - Bracket Signal GWR Left hand with one arm

Product Scale Key

O Gauge

OO Gauge

N Gauge

All product release dates correct at time of going to press

dapol

collectors club

ONLY £25 PER YEAR
(Plus p&p)

15% DISCOUNT ON ALL DAPOL PRODUCTS PURCHASED
THROUGH DAPOL

ANNUAL OPEN DAY

4 NEWSLETTERS PER YEAR

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

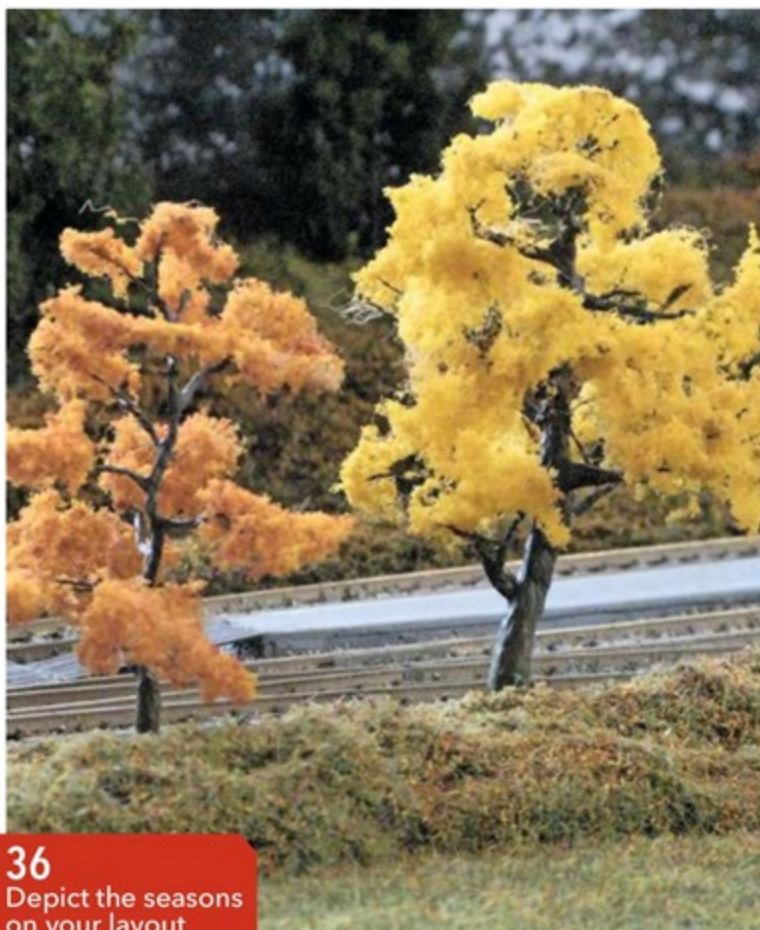
FOR MORE INFORMATION CONTACT ANDREA / NEIL ON 01691 774455 OPTION 1 OR EMAIL club@dapol.co.uk

SPECIAL COMMISSION WAGONS

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



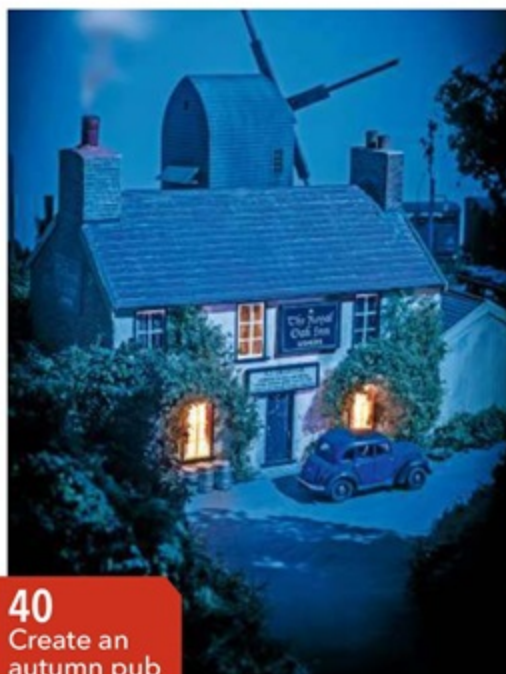
30
How to model
wet weather



36
Depict the seasons
on your layout

Workbench

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



40
Create an
autumn pub



44
Model a
tractor load



46
Build an
urban bridge



48
Ballast
your track

Meet the Model Rail Expert modellers



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



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



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



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

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



HOW TO

MODEL WET WEATHER

Chris Leigh wanted to reprise one of the cover scenes he built for *Model Railway Constructor* back in December 1965. Can he do it with modern models and materials?



This could be called minimalist modelling, as the night scene reduced the need for extensive background scenery. It was still a big challenge for an 18-year-old.

I think my model-making career had a pretty unusual start. When I joined *Model Railway Constructor* in autumn 1963, the magazine had started to use cover photographs of models built in-house, rather than pictures of contributors' layouts or scratchbuilt locomotives. One of the first that I recall was a snow scene. It featured one of Assistant Editor David Percival's locomotives, fitted with a snowplough and embedded in a large 'drift' of Ajax cleaning powder!

For the next couple of years Colin Gifford produced the ideas for the cover illustrations, while I had the job of making the models. The pictures were, of course, in black and white. The strengths of Colin's style of photography were both the composition and the contrast of light and dark. He also wanted 'life' in the pictures, so I often had to provide movement, smoke or working lights – or occasionally all three!

The challenges were interesting. A panned photograph of a moving locomotive proved unsatisfactory, so the picture was re-planned with the locomotive (except for its wheels) stationary and the rest of the scenery moving (April 1965 issue). The locomotive, its motor removed so that the wheels turned freely, was held by string attached to a nearby filing cabinet. The diorama, which featured mainly track and wagons, was rested on several pieces of a sawn-up broom handle. As the camera shutter fired on an exposure of several seconds, the diorama was simply moved an inch or two on its broom-handle rollers.

SMOKE AND MIRRORS

Many of the pictures involved a degree of subterfuge in order to create a specific effect and that was all part of the fun, though I'm not sure that I considered it fun at the time! It was

certainly quite stressful, with my limited modelling experience (I was still a teenager) having to produce something which pleased someone who wasn't really familiar with what was possible with the limited time and resources available. Occasionally, a complete rebuild was needed before everyone was happy. Black and white photography simplified some aspects of the modelling, and this was certainly true of one picture which has long been a particular favourite of mine.

The December issue always had a Christmas theme, but we felt that snow scenes were 'old hat'. Someone suggested 'rain' and the theme developed into a 'cold, wet, night at a big station'. Trix had just produced a 'Western'. For its day it was passable, if you hid the bogies and, what's more, it had working lights.

One of the great things about the Gifford cover pictures was that I did not have to model

anything that wasn't going to be seen in the finished picture. In essence, I was building one picture in three dimensions. The main problem was that I was never quite certain what would or would not be seen through the camera lens.

This was even true of the photographer because we used a Rollei twin-lens reflex camera. The picture was viewed through the upper lens but actually taken through the lower one. From memory, only those features which were between 14in and 18in in front of the lens would be in focus. With 12 exposures on a roll of film, we would take all 12 and, fingers crossed, everything would come together OK on at least one of them. If not, there might need to be a re-take, often with some alteration to the model to help overcome the problem. The December 1965 cover was the epitome of this.

Loosely based on Bristol Temple Meads, there was the 'Western' and one Mk1 coach. The platform was a plank of wood and there was a short length of home-made canopy using Airfix parts. A train of unlit carriages provided the 'barrier' at the left of the scene. Lighting was provided by grain-of-wheat bulbs, the smallest available bulb in those days.

The impression of the great glass train shed was the work of Ian Allan's resident artist, Vic Welch. He is best known for some very detailed water colours of steam locomotives used in publications, and particularly on the covers of the 'Abc' locomotive books. For us, he produced nothing more complex than a sketch, chalked in white on black card.

ON REFLECTION

Perhaps the most important part is the reflection on the wet platform. We struggled to create it and eventually I bought a bottle of glycerine, which provided enough gloss for the effect that Colin wanted. It did, however, mean that the wet, sticky platform had to go straight in the bin afterwards! Thankfully, more suitable materials have appeared in the last 50 years.

I still have the original print from which that cover was produced, and Editor Richard Foster asked if I could produce a modern version of it, using currently available models and materials. Though I've diverged from that original in some respects, and I've made changes which are necessary for the demands of a colour photograph, rather than black and white, much of the original methodology still holds true.

As a model-maker, I could never be completely certain what the photographer would do in terms of camera angle and lighting.

Dioramas such as this need to accommodate last-minute changes made by the photographer and, in this respect, model-making for a single photograph differs considerably from building a layout. The constructional techniques remain the same, though, as do methods of creating detail, atmosphere and the weather feature.

Unlike snow, which you can vacuum away afterwards, there is no removing the wet look, so if you do this on your layout you're stuck with it. However, Britain is generally wet at least half the time, yet we rarely see a 'wet' layout.

I'm going to split the step-by-step section into segments, the main part being the construction of the diorama in order to replicate that original photograph, with smaller sections relating to some of the techniques used to create the lighting and the 'wet-look'.

GET THE WET LOOK



So, what is wet weather going to look like on a layout? Clearly we can't use real water. For a start, it does not scale down. Wet weather changes the look of buildings and road surfaces by making them look darker in colour and making them shiny. A good flat, wet surface or a puddle of standing water will reflect its surroundings and, for the original MRC photograph, the wet look was created with glycerine.

For a more permanent and less messy wet look on a layout, gloss varnish is the obvious answer. I used Humbrol gloss enamel varnish and RailMatch gloss varnish on the platform and roof of my diorama, but a brushed-on varnish would have been equally suitable. It is not possible to model or represent actual falling rain, although for a photograph one could try a suitably treated piece of transparent material placed in front of the camera to simulate the blurred effect of falling rain.



STEP BY STEP



The first job was to position track and stock as it was in the original picture. Some tracks at Bristol Temple Meads were widely spaced, and this was useful in placing the background coaches further away from the locomotive.

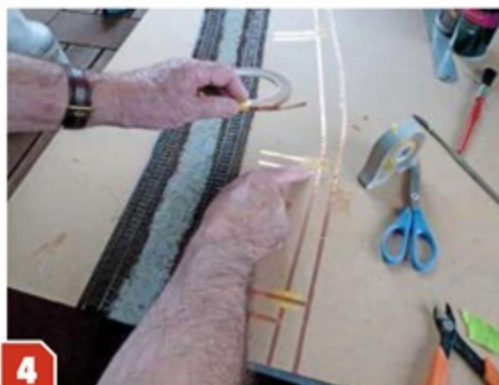


The original scene used gently curved tracks in order to avoid a 'head-on' photograph. Few real stations have straight platforms which, in model railways, are really a leftover from train set oval track layouts.



3

Having decided the position of the tracks, and cut and placed Woodland Scenics Trackbed underlay accordingly, I covered the area between the tracks with fine gravel poured onto wet PVA glue.



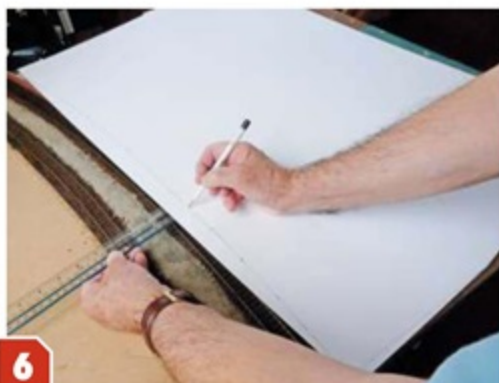
4

The track was then ballasted. Self-adhesive copper tape was laid to provide power to lights. Wherever the copper tape crossed, some masking tape was used between the strips to prevent short circuits.



5

The platform was then built up using an 'egg-box' with a height of 25mm (20mm if you are not using track underlay) mounting card strips. A coach was used to check clearance against the platform wall.



6

At this stage I should have marked the position of the copper tapes on the platform surface, but I forgot and pressed ahead with marking out and cutting the platform top to shape.



7

I then masked the platform edge and weathered the track with a RailMatch 'sleeper grime' aerosol. The platform surface was sprayed with Modelmates dark grey primer and lightly 'dusted' with matt black.



8

Peeling off the masking tape then revealed the white platform edge. I had used Scalescenes red brick for the platform face, just in case, although it will not be seen in the final photograph.



9

Throughout this project I kept taking test photographs to ensure that the model would look 'right' when photographed from the desired angle. Here, I tried some alternative station buildings.



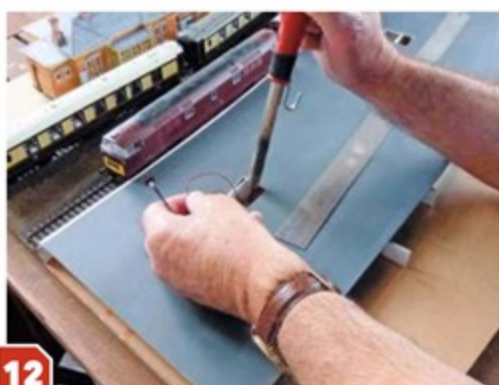
10

The position of the station building was marked in pencil so that I could position cutouts through which to pass wiring if I decided to use that building and illuminate it from inside.



11

I've yet to find any accurately scaled working lights based on GWR prototypes, so I used these Kytes lights that I had in stock. Many different styles are available. (www.kyteslights.com).



12

I made small cutouts in the platform for access to the copper strips and soldered the wires from the lights to them. It helps if you mark the position of the strips before attaching the platform surface.



13

I was contemplating using my detailed Oxford Rail station (MR249) and decided to try fitting it with lights. A quick test with a battery-powered light looked promising.



14

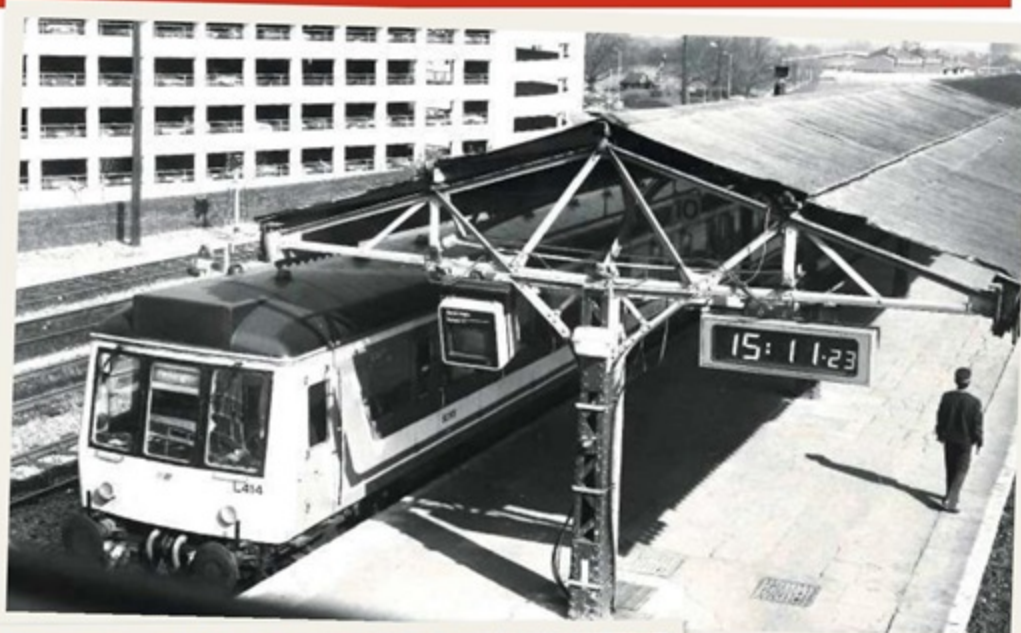
However, when the surroundings were blacked out the true extent of the show-through was obvious. The only place that the light did not shine through the resin was the window over the toilet door!

THE CANOPY

I had already decided that I would build the canopy from scratch and that I wanted it to look more typically 'Great Western' than the one in the original picture. This coincided with a fresh display of Plastruct plastic girders and sections in my local store. GWR canopies from the late 19th and early 20th centuries were quite distinctive. Generally confined to larger stations, the type that I wanted to model was built from structural steelwork and incorporated glazed panels within a roof of corrugated iron.

Gone were the days of ornate cast iron columns, replaced by utilitarian lattice-girder steel columns with, in some cases, the rainwater downpipes housed within the lattice.

The smallest lattice that I could obtain at the time was Plastruct 90402 $\frac{3}{16}$ in Warren open web truss. For true scale appearance, version 90401 at $\frac{1}{8}$ in would probably be better. There's no really easy way to replicate the GWR's longitudinal girders, so I used Plastruct's 90404 Warren open web truss at $\frac{3}{16}$ in wide. This would enable me to assemble a simple shallow-peaked canopy with an authentic looking girder arrangement, entirely from styrene parts and sheet, considerably speeding up the building process.



Above: The canopy at Reading General has been cut through to provide clearance for a new footbridge, which gives a clear view of the shape and construction of the structure. CHRIS LEIGH



Left: I made a simplified version of the columns and the girders which carry the roof. My aim was merely to create an impression of the real thing rather than an exact copy. CHRIS LEIGH

STEP BY STEP



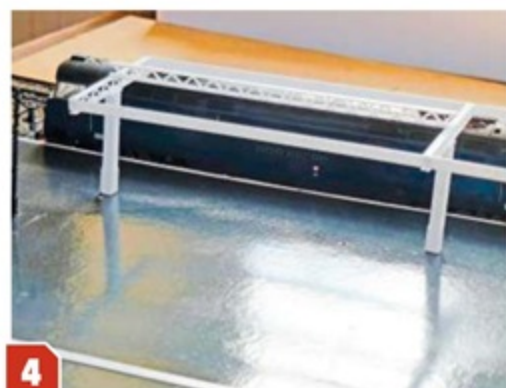
1 The columns consist of two pieces of 90402, 45mm long, glued together with two strips of 41mm 10thou styrene strip at the edges. The box structure at the lower end was made from 10thou styrene strip.



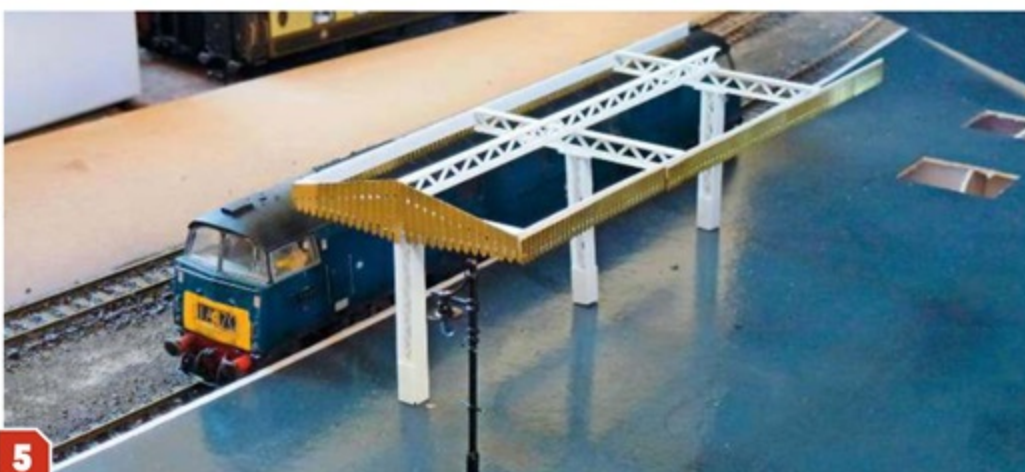
2 A small piece of 10thou styrene strip was added to the top of the column as a mounting plate for a 75mm long piece of the 90404 truss. It is important to make sure that this is at 90° to the column.



3 Scalescenes has a sheet of BR enamel-type signs that you can download and print in any of the regional colours. I drilled the girder and glued in two pieces of 20thou plastic rod to carry the platform number sign.



4 20thou thick plastic strip was used as a backing for the valancing. I used some etched brass GWR valancing which I had in stock, but a wider choice is available from York Modelmaking (www.yorkmodelrail.com).



5 A 20mm length of $\frac{1}{8}$ in plastic rod was fixed into the base of the column to provide a locating peg. I then pierced the platform at appropriate intervals to take the pegs on the base of the columns. ➤

STEP BY STEP

ACHIEVING THE EFFECT



1

Having made and painted the platform, I sprayed the surface with Humbrol gloss enamel varnish. Gloss finishes take a long time to dry, so I did not touch it again for 24 hours.



2

After completion of the canopy I gave the area outside the shelter a second coat of varnish so that there was a clear difference between the soaked area outside and the 'damp' area under the canopy.



3

A check with the light through a window confirmed that there was a good level of reflection on the platform. Though the track area received a coat of varnish, it was not necessary to varnish locomotives or rolling stock.



4

I tried the wet look on other buildings, too. Slate roofs really shine in the wet, but structures like this Townstreet plaster shop with a plaster roof will look better than the printed kit roofs, which lack relief.



5

In my local town, several downpipes discharge across the pavement with quite dramatic effects in a storm. I bent some brass rod to form the pipe and added a small amount of aquarium filter wool into the varnish.



6

Small boys love jumping in puddles! A ring of aquarium filter wool dabbed into place with a brush or two of varnish creates the splash. The schoolboy is from a Dapol kit.



CHECK, RECHECK, AND CHECK AGAIN!

My early experience on MRC taught me to be highly critical of cover photographs. Perhaps I'm too critical, but I subject my own modelling to the same scrutiny and I'm seldom completely satisfied with my own efforts. I knew this photograph would be difficult. I recall an almost complete rebuild of the 1965 model before everyone was happy

with it. In particular, the canopy had to be rebuilt from scratch and doubled in length. Despite this experience, I went through the same process again this time. In the accompanying pictures you will note that the end valancing has been changed and that the awning itself has been increased in length.

Part of the reason is that the Heljan 'Western' and the Mk 1 coach are scale length and quite a bit longer than those earlier models. Also, I am using my own little digital camera, which gives me an instant photograph to study, rather than having to wait to process a film and find out, when it's too late, that something is wrong.



TEST 1

A daylight test with the Oxford building looks quite promising, but it is not sufficiently like the original picture to satisfy me. The light is illuminating the Pullman car, but that won't be present in the finished photograph. The Pullman table lamps need to be lit! At this time there's no gloss on the platform.



TEST 2

The Pullman lamps are lit but the station canopy needs to be alongside the locomotive, otherwise one or the other will be out of focus. The cab light in the locomotive is too bright, but I'm not sure how I can dim this unless I put it on a separate controller.



TEST 3

I returned to the original idea of a free-standing awning instead of the station building. It is temporarily fitted, so it is not standing straight, and the etched end valancing looks untidy. The reflection in the varnished platform is working well, but the Pullman table lamps are not lit.



TEST 4

This is better, but the canopy needs to be lengthened and the valancing changed. The Plastruct girders look good and the Pullman table lamps are working, but the track needs to look wetter. The bulb in the nearest station lamp (right) has blown, which means the whole lamp needs to be replaced.



TEST 5

An after-dark view with the revised and lengthened canopy, which is yet to be permanently fixed. A coach is needed behind the locomotive, but otherwise the camera angle is better. The reflection is working well.



TEST 6

The blown lamp has been replaced and an additional grain-of-wheat bulb added under the rear of the canopy. The result is getting nearer to what I want, so the next job will be to complete the awning and do the final fixing. I'll probably add another light coat of varnish and then begin the detailing work.



TEST 7

I have fond memories of standing beside a 'Hall' after dark at Swindon, so I decided to replace the Pullmans with a steam locomotive. An amber grain-of-wheat bulb on the cab floor gives the desired effect.



TEST 8

A second spray coat of varnish confined to the exposed areas of the platform gives a good contrast with the drier area under the canopy. It also results in a much better reflection of the 'Western'.



TEST 9

I've now placed some figures and added the backscene. The latter required some light to make it visible but an LED torch, which was all that I had to hand, has turned it rather blue.

HOW TO

MODEL THE AUTUMN

Man for all seasons **Peter Marriott** shows you how to capture the essence of autumn on your layout.



Autumn is not one of the most popular seasons to model but it can look very distinctive. There are now a good number of products to help us model this season much more easily, and it certainly can be fun converting a green landscape into a colourful autumnal scene.

There is no 'typical' autumn scene because every area of Britain has its own characteristics. For example, the rainfall and temperatures in Kent will be very

different to those in northern Scotland. That said, there are some common features that appear with the change from summer to winter:

- The changing of the leaves on trees is surely one of nature's most splendid sights.
- It's not just the leaves on trees that change, as grasses and weeds turn a tired brown, and smaller leaves in hedges and bushes go through a variety of yellows, browns and red shades.

■ The change in leaves is combined with beautiful fruits and berries, bringing further colours and textures.

■ Farmers are in the fields harvesting their crops, and the ground in orchards is littered with fallen fruit.

Autumn is like any other aspect of railway modelling in that there is a huge array of products and techniques to choose from. What follows are my recommendations for an authentic autumn scene.


TOP TIP

Some autumnal trees, such as these from Woodland Scenics, are a bit on the bright side. They're good value - a pack of four costs just £9.50 - so it's worth spending a bit of time toning them down. Dab or spray on a suitable adhesive and then sprinkle on some autumn leaves from the likes of Polak or Heki.

Recommended products for modelling autumn


Woodland Scenics F176 Yellow Flowering Foliage

Good for adding colour to hedgerows and gardens.

Price: £5.00

Availability: Bachmann stockists


Heki HK1682 Leaf Foliage Autumn Brown

Very fine leaves in a range of colours, blended in one packet.

Price: £10.87 **Availability:** Blackwells of Hawkwell

Tel: 01702 200036 **Web:** www.blackwells-miniatures.com


Polak Naturex F 2701 Fine Yellow; 2711 Fine Ochre

This material from Czech firm Polak comes in small plastic pots and is very realistic although, as with all scatters, they need to be used sparingly to maintain realism.

Price: £3.50 each **Availability:** Polak UK & Ireland

Tel: 07810 558089 **Web:** www.polakscenics.uk


Woodland Scenics WF55 Early Fall Mix Foliage

Fine foam in autumnal colours which can be separated into tiny pieces to represent leaves or foliage.

Price: £5.75 **Availability:** Bachmann stockists



Treemendus has a huge range of suitably autumnal products, such as **Forest Floor** (£6), three different scatters in three different grades (**Autumn Yellow**, **Autumn Orange** and **Oak**, £3 each) and brown-coloured **Raw Grass** (teddy bear fur, from £3.50).

Availability: Treemendus **Tel:** 01619 732079

Web: www.treemendus-scenics.co.uk



Busch produces mixed ground cover packs designed specifically for modelling forests. There's **Forest Track** (7527, £4.54), **Deciduous Forest Ground Cover** (7528, £4.54) and **Coniferous Forest Ground Cover** (7529, £4.54). They represent what you'd see between trees in autumn and winter.

Availability: Golden Valley Hobbies

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


Heki HK1634 15 Natural Fibre Trees & Bushes

This bumper pack of sea moss trees from Heki includes a range of suitable autumnal shades.

Price: £25.42 **Availability:** Blackwells of Hawkwell

Tel: 01702 200036

Web: www.blackwells-miniatures.com


MBR 51-2304 Apple Tree

This new range of fabulous miniature trees includes this apple tree, laden with fruit - a common sight in autumn.

Price: £4.95 each **Availability:** A&H Models

Three autumnal projects



Sprinkle autumnal-coloured leaves below trees and bushes to represent fallen leaves on platforms, pavements and roads.



A small piece of sea moss has been positioned at the lineside to represent a bush that has lost its leaves. Note how the grass is faded green too, as would be seen in autumn.



Tall static grass fibres on a mat by Busch have the realistic appearance of the lowest grass being green and the tallest being faded brown. Note the mushroom towards the rear of the picture, which is a painted plastic kit, also by Busch.

Autumn inspiration



1. This trackside scene, photographed near Rotherham in 2013, shows silver birch trees shedding their leaves while other trees remain green. The trackside weeds are tall and mainly brown.

2. Lineside tall grass - a mixture of faded ochre and fresh, short green grass at ground level.

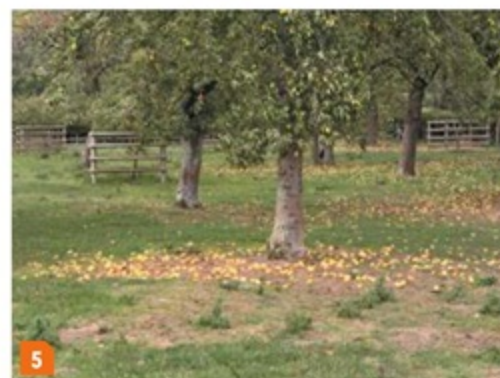
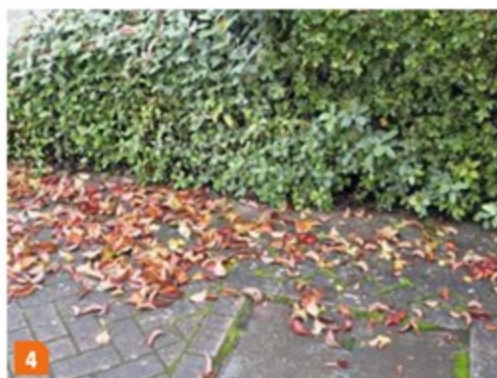
3. Lots of fallen leaves cover the lineside, with low green vegetation at the top of the picture.

4. Foliage on the hedgerow is still green, though autumn leaves of red and orange have already fallen, demonstrating how there is never just one type of autumn leaf in one location.

5. Apple trees with their fallen fruit in mid-September.

6. Autumnal colours can be vivid - reds, oranges, yellows and greens are visible in this photo taken in November. The challenge is reproducing these colours in miniature without the colours being too bright.

7. The lineside embankment at Milton Keynes Central station, showing faded tall grass and brown weeds.



How to make an autumn tree

Teloxys aristata is better known in modelling circles as 'sea moss' or 'sea foam'. It's a natural product that you can grow yourself (www.chilternseeds.co.uk) and because it's natural, it looks more like a tree than even the best plastic or metal armature can achieve.

Sea moss is ideal for modelling trees in any season, and autumn is no different. Here's how to do it.

STEP BY STEP



1

I've used Green Scene's Forest in a Box, but similar products are available from Noch and Gaugemaster. Sort the contents of the box into the pieces that look like full trees and those that would be more suitable as bushes.



2

Remove the seed pods using your fingers or a pair of tweezers, then crush the broken-off seed pods between your fingers and store them as natural scatter material for the floor of a wood or forest.



What you will need

MATERIALS

- ◆ Old cardboard box
- ◆ Small plastic pot

TOOLS

- ◆ Pin vice with small drill bit

TOP TIP

Sometimes you'll find a piece of sea moss with a bent trunk, but don't worry about it. Straighten the trunk by soaking the sea moss in a solution of Mod Podge (available from Hobbycraft stores). Hang it out on the washing line upside down to dry. Attach a clothes peg to the base so that it hangs vertically, then leave overnight to dry.



MODEL Green Scene GS341
Forest in a Box • Price £15.45

AVAILABILITY Green Scene, 01905
24298, www.green-scenes.co.uk



3

Strengthen the sea moss pieces by soaking them overnight in Mod Podge or diluted white glue. You can thicken the trunk with a tree bark mix from Green Scene or Treemendus. When dry, give the trunk a coat of Humbrol black aerosol.



4

Now's the time to blend your foliage, using an old margarine tub, takeaway tray or small Tupperware box. I mixed autumn leaves from Anita Decor and Polak, choosing different colours and sizes to represent the leaves.



5

It's not necessary to cover the whole tree. Lightly spray hairspray over the upper part of the tree. Work over an old cardboard box. Spray each piece in various directions but don't get it on the trunk or main branches.



6

Sprinkle on fine scatter material while the adhesive is still wet. Use the finest grade of scatter materials but mix in a little of the next grade up for extra texture. Now leave the tree to dry fully.



7

Time to paint the trunk. Lightly apply grey acrylic over it to allow some of the black to show through and create some texture. Push or drill a hole into the landscape and secure the tree with a blob of PVA. Allow to dry.

HOW TO

CREATE AN AUTUMN PUB

Chris Nevard has the perfect remedy for gloomy autumn nights - a model pub with a welcoming glow and a smoking chimney.

I scratchbuilt The Royal Oak pub when I returned to the hobby, circa 2001. It lives on 'Combwich', where it was going to be the crossing keeper's cottage. The trouble was I made it a bit big, so rather than waste it I turned it into a public house!

It had always lacked life and looked more like most pubs you'll find these days - empty.

There's nothing like a warm, welcoming pub on a damp autumnal evening; after a walk on one of those crisp, clear autumn/winter days, sitting by a roaring fire and sipping a pint of ale is sheer bliss. The Royal Oak needed a little smoke curling from the chimneys, the glow of a warm fire and the ambience of a lively pub.

The Woodland Scenics Just Plug Lighting

System is aimed very much at electrophobes like me. It makes adding lights to buildings easy for even the most electrically challenged. It also has the bonus of being based around LED technology which should, in theory, give years of service and

run very cool compared to the old grain-of-wheat bulbs, which were a popular choice until recent times.

Couple that with a smoke unit and you have the perfect recipe for an inviting autumn pub.

Woodland Scenics' Just Plug Lighting System has proved to be very popular because the components simply connect together and the brightness of bulbs can be controlled individually. The system was intended for internal building lighting with a modular design that allows for expansion. Woodland Scenics says that no electrical knowledge or special tools are needed and, in my experience, that is certainly the case.



STEP BY STEP



1

The Seuthe No. 100 has a diameter of just 4.5mm, so at a glance it could just about pass for a chimneypot. It's designed for plastic locomotive bodies, so it's supplied with an insulating ring to protect plastic from the heat.



2

The smoke unit is designed to take its power from the locomotive, so the wires are too short for use in a building. Extend them with additional wires and lead them through the baseboard to a 16V AC power supply.



Seuthe smoke units come in different sizes and with different voltage requirements for different scales. A syringe and fluid are supplied.

What you will need

SHOPPING LIST

- ♦ Woodland Scenics WJP5700 Lights & Hub Set, £21.00; WJP5772 Power Supply
- ♦ £24.25; WJP5715 Light Diffusing Window Film, £16.50 Availability: Kernow Model Rail Centre Tel: 01209 714099 Web: www.kernowmodelrailcentre.com
- ♦ Seuthe 100 Smoke Unit, £27.50 Availability: Gaugemaster Tel: 01903 884488 Web: www.gaugemaster.com

TOOLS

- ♦ Drill and selection of bits
- ♦ Soldering iron, solder and flux
- ♦ Wire strippers
- ♦ Scalpel
- ♦ Old paintbrush



3

To avoid a short circuit, insulate the soldered joint. Slide the insulation and cosmetic rings up over the smoke unit. I gave the longer sleeve a blast of red primer to give it the appearance of a clay chimneypot.



4

My next step was to prepare the building. It's made of card so insulating it from the heat generated is imperative. My first thought was to place a new piece of plastic card over the hole and drill a 7.5mm hole in it.



5

Compared to the chimneypots on the other end of the building, and to get a more uniform look, I decided to pack some DAS clay into the chimney. The clay will also provide thermal insulation from the smoke unit.



6

I found a paintbrush handle of a similar diameter to the smoke unit and pushed it through the clay. A thick plaster mix would work equally well. This allowed me to set the smoke unit at a more realistic height.



7

The Seuthe 100 in place. All that's needed now is a little beige paint to suggest cement. To operate, put a few drops of smoke oil into the top of the unit/chimneypot. Be sure to follow the filling instructions.



8

The suggested power supply is 10V to 16V AC or DC, and many controllers have accessory outputs to match this requirement. It would be a good idea to solder in an on/off switch so you have better control over the device.



9

The power supply comes up through the baseboard from underneath. Drill one hole for the power feed for the smoke unit and another for the lighting system. Make sure it's big enough for the lighting system's plug size.



10

In an ideal world all model buildings would have fully detailed interiors, but that's not always the case. Rather than leave the untreated, bare walls visible, I used the Lights Diffusing Window Film.



11

Curl the film up inside the building. I didn't fix it into place - the film's springiness keeps it secure. Self-adhesive dots are supplied for this purpose. Mask off a few windows with black card so only some of them allow light to escape.



12

The LED on its self-adhesive pad was stuck onto the baseboard top. If your building has a detailed interior you can attach it to the ceiling of the detailed room. The warm glow is similar to that given off by a tungsten bulb.



13

The system is based around a 24V 'hub' with outputs for single LEDs which can be placed in buildings. LEDs simply plug into the hub. You can fix the hub to the underside of the baseboard with the screws supplied.



A little warm light and a roaring fire is what's needed as the evenings draw in and autumn makes the transition to winter. And what better place is there to spend those evenings than at the village public house?



SELL YOUR SECONDHAND LOCOS & ROLLING STOCK FOR CASH

• Trade in with Hatton's for immediate payment on the day that we receive your goods!*

Get cash for your items in just four easy steps...



“An excellent service everytime without fault. I honestly cannot think of anything which could be improved.”

Mr A Manning, Ipswich

“Excellent service, fair offer. I will not hesitate to use their service again and recommend it. Thank you.”

Mr P Shaddock, Portsmouth

“Very simple to trade-in. Beforehand I had thoughts of problems with couriers and the like, but all very easy.”

Mr D Spottiswoode, Kilmarnock

ALL brands purchased including:



Sell yours today at www.hattons.co.uk/preowned

Call us on 0151 305 1755 or email preowned@hattons.co.uk

17 Montague Road, Widnes WA8 8FZ

Phone opening times: Mon to Sun 9am-5pm.

*Same day payments apply for collections received Monday to Friday before 2pm. Any collections received after 2pm will be paid on the next working day.
Please note: In the unlikely event that we revise our offer price for your collection, you will be paid after responding to our offer.
For full Terms and Conditions, visit hattons.co.uk/preownedterms

HOW TO

MODEL A TRACTOR LOAD

Pete Armstrong shows you how to add the 'wow' factor to a tractor to create a seasonally appropriate load on a 'Lowfit' wagon.



MODEL Connoisseur Models PMK-13
LNER 12t 'Lowfit' • Price £34.00

AVAILABILITY Connoisseur Models,
01544 318263, www.jimmcgeown.com



The hills may be alive with the sound of music, but at this time of year, for anyone living in the country, the fields are alive with the sound of tractors. From bringing in the harvest to turning over fields ready for the next crop, autumn is a good time for tractor enthusiasts.

I'd completed this Connoisseur etched brass LNER 'Lowfit' kit and it needed a load. I always like to see loaded wagons on layouts and recalled several contemporary photographs of 'Lowfits' in the mid-1930s carrying tractors.

My choice was Universal Hobbies' McCormick Deering Farmall F-12 which, despite being of 1935 vintage, must have looked old-fashioned, even when new. They were imported from North America in kit form and assembled near Liverpool. I thought their use must have been widespread in this country and that it was an eminently suitable tractor to model in a British scenario.

Here's how I modified the Connoisseur Models kit and prepared the tractor for its new role as a wagon load.

Universal Hobbies

The Universal Hobbies range is a good source of 1:43 scale tractors. The oldest tractor available is the Fordson F of 1917 vintage, whereas the newest outline is the 2001 Deutz Agtron TTV 1130. A mix of die-cast and plastic parts, these models are keenly priced too (the Farmall costs less than £20).

MODIFYING THE 'LOWFIT'

This is an excellent kit but I wanted it to have functioning securing rings. I cut away the eight non-working rings, leaving small, rectangular holes along the edge of the planks. I soldered a small nickel silver overlapping plate underneath these, into which I drilled a small hole so it could take a brass split pin.

I made the small rings from 0.6 nickel silver wire. It was not annealed but simply wound round an appropriate rod/drill shank to form a coil, then snipped to form individual rings.

The final modification was to score the planks with the side of a coarse grade file to simulate wood grain.



PREPPING THE TRACTOR

The Farmall tractor features a good level of detail for a bargain price, but its shiny finish is a little toy-like. I masked the lettering, then removed any casting marks with a file. Now it was time for a full repaint. I degreased it with isopropyl alcohol before spraying it with Halfords Acid Etch primer.

These tractors were painted blue-grey for the body with red wheels until mid-1936, after which they were painted red. I resprayed the tractor body with

a blend of Revell enamels, mixed to get the right shade, and carried out the rest of the painting by hand. I worked in enamels, building up the layers of paint, working from dark to light, and employing a good deal of dry brushwork.

None of the colours are straight from the tin. I mix them on a pallet if I'm brush-painting, or in a jar if I'm air-brushing. I mix paint brands indiscriminately to suit my own requirements.



What you will need

SHOPPING LIST

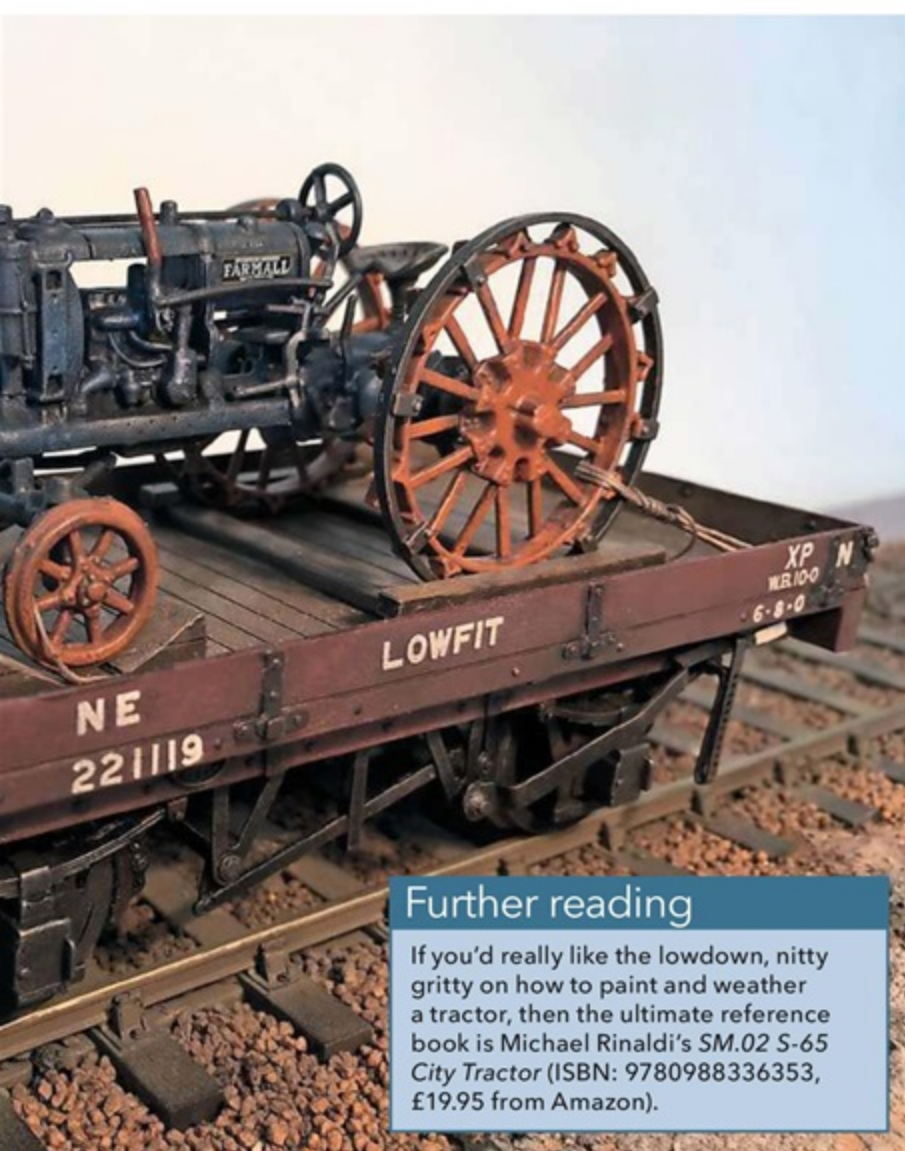
- ◆ Universal Hobbies 6082 McCormick-Deering Farmall F-12, £17.59 Availability: Scalefarm.com Tel: 01274 613222 Web: www.scalefarm.com
- ◆ 441 Rigging Thread 0.3mm, £2.26 Availability: Cornwall Model Boats, Unit 3B, Highfield Rd Ind. Est., Camelford, Cornwall PL32 9RA Tel: 01840 211009 Web: www.cornwallmodelboats.co.uk

TOOLS

- ◆ Selection of paintbrushes
- ◆ Large coarse files
- ◆ Soldering equipment
- ◆ Pin vice and selection of bits
- ◆ Needle files
- ◆ Tweezers

Do more, see more

You can see more of Pete Armstrong's models at <http://petesnewworkshop.blogspot.co.uk>

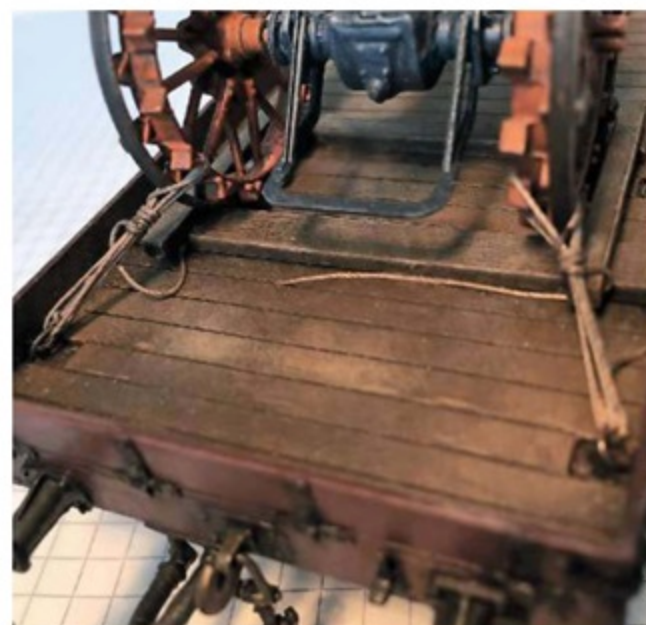


SECURING THE TRACTOR

Research reveals that tractors were secured to railway wagons by ropes and wedges, and with baulks of wood laid both across and down the wagon bed. I made the timber baulks and wedges from Plastikard. Again, I used a file to create the wood grain.

The rope came from a model ship supplier. You need to seal it first to prevent it from looking fluffy. This is fun but quite messy. Dip your thumb and index finger in PVA and then pull the rope through them.

When dry, tie the tractor to the securing rings using realistic knots. The internet is full of suitable images. This takes a bit of patience but it's worth taking your time. You can paint the rope with Revell enamels.



Further reading

If you'd really like the lowdown, nitty gritty on how to paint and weather a tractor, then the ultimate reference book is Michael Rinaldi's *SM.02 S-65 City Tractor* (ISBN: 9780988336353, £19.95 from Amazon).



HOW TO

BUILD AN URBAN BRIDGE

PHOTOGRAPHY: PETER MARRIOTT

Continuing his focus on urban realism, **Peter Marriott** scratchbuilds and fits this cheap and simple inner city girder bridge.

My urban project layout 'Stanton' features a large, straight section of retaining wall. I wanted to incorporate a small bridge to add some visual interest to the scene. It required a bit more work than a plain wall, but it was worth the effort.

Peco's Truss Girder Bridge sides were too big for my purposes, and I couldn't really cut them down to size. Instead, I borrowed a technique that Dave Lowery espoused in his



book *Build a Model Railway Layout* (ISBN: 9781854860453) back in 1990. He suggested using Peco's Platform Edging Kit to form a girder - so that's what I did here, using the LK-62 Concrete type.

This is a really simple and cost-effective way to add a girder bridge to your layout.

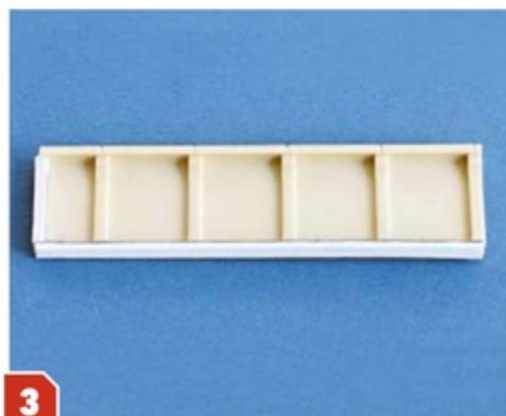
STEP BY STEP



1 Use a pair of sprue cutters (these were from DCCconcepts) to cut through the platform edge moulding. Cut from the reverse side.



2 Remove the semi-circular mounts (for the Peco platform surface) from the top edge. Then test-fit your new bridge girder.



3 Use a scalpel to cut strips of mounting card to turn a piece of platform edge into a bridge girder. Glue in place with Woodland Scenics' Scenic Glue.



4 Give your girder a coat of grey paint. When dry, glue it into position with Woodland Scenics' Scenic Glue. A foam nail will prove useful here.



5 My retaining wall was made from Langley arches. I cut strips from a spare arch to form the bridge buttresses.



6 The buttresses require a bit of work. Cut suitable pavement shapes from mounting card and glue them into place.

What you will need

SHOPPING LIST

- ◆ Peco LK-62 Concrete Platform Edging, £5.25; Deluxe Materials BD-44 Perfect Plastic Putty, £6.50
Availability: Gaugemaster
Tel: 01903 884488
Web: www.gaugemaster.com
- ◆ Woodland Scenics WS190 Scenic Glue, £8.75; Woodland Scenics WC1219 Earth Colours Slate Grey, £7.75; WC1216 Earth Colours White, £7.75
Availability: Bachmann stockists

TOOLS

- ◆ Steel rule
- ◆ Sharp pencil
- ◆ Craft knife and fresh blades
- ◆ Self-healing cutting mat
- ◆ Fine sandpaper or sanding sticks
- ◆ Selection of paintbrushes



7 If there are any gaps between the top of the buttress and the underside of the girder fill them with small fillets of mounting card.



8 Fill any gaps around the bottom of the bridge with Deluxe Materials' Perfect Plastic Putty. Use the extension cap to give yourself more control.



9 Allow the Perfect Plastic Putty to dry thoroughly. Woodland Scenics' grey and white Earth Colours are perfect for covering the putty.



10 I used warning signs from an old Kibri kit - but there are plenty of suitable signs available from the likes of Tiny Signs and Roger Smith.



HOW TO

BALLAST YOUR TRACK

Ballasting isn't everyone's favourite task. But follow **Peter Marriott's** advice and you'll have your track looking spot-on in no time.

Ballast is a vital component of the real railway. Its purpose is to not only hold the track in place through a process of tamping and packing, but also to aid drainage and to spread the 'load' from the sleepers. It generally consists of crushed stone, although other materials, such as ash and cinders, are also used in yards and sidings.

Ballasting is one of those tasks that fills many modellers with dread, but it does have to be tackled sooner or later. The ballast has to look right, and if you've got a lot of track, the process can soon become tedious.



Remember, however, that ballast is as important a part of your layout as the buildings and trains, and modelling convincing ballast takes time and care to achieve. Nothing transforms a new layout quicker than good ballast – it hides a multitude of sins, such as joins in the cork underlay and unsightly gaps between infrastructure and baseboard.

Rail weathering

I used to paint the rail sides on my layouts until I discovered Humbrol 29 Dark Brown in an aerosol. Giving your track a good coat of this not only gives the rails a rusty look but also tones down the colour of the plastic sleepers. Using one paint creates a pleasing, unified effect.

Using an aerosol is problematic however, because you have to spend a lot

of time masking key areas, such as around the point blades. This time I decided to have another go at painting the rail sides.

I used Joe's Model Trains Brown Rust paint, but was disappointed with the results. It took three coats to fully cover the rails and then, when it dried, I didn't think it looked that realistic. Next time, I'll go back to the Humbrol aerosol!

Ballast inspiration



Real ballast on the West Coast Main Line. Although predominantly grey, the weather and passing trains have affected the shade.



While we generally aim to have very little ballast chippings on top of the sleepers, sometimes even the real railway doesn't get it quite right!

STEP BY STEP



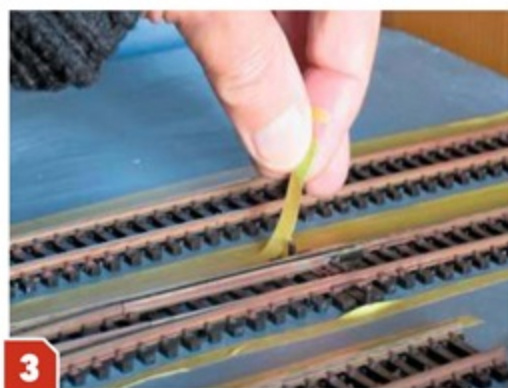
1

I prefer to use Woodland Scenics' Scenic Glue to fix my track, but it needs to be held in place while the glue dries. Your baseboard will dictate what you use - Woodland Scenics Foam Nails for foam and card and pins for a wooden base.



2

Paint the rail sides with a rusty shade. I used Joe's Model Trains Brown Rust acrylic. Dribble the paint onto the chairs and don't forget to paint the check rails around the pointwork. Keep the point blades free from paint!



3

Lay masking tape alongside the track to provide a clean edge to the ballast. I left excess lengths of masking tape so that I could easily remove the masking tape once the glue had started to go off.



4

I started with some Fleischmann Track Ballast, which I carefully poured between the rails. Use an old paintbrush to spread the ballast along the track so that all of the gaps between the sleepers are filled in.



5

Use a finger to smooth the remaining excess ballast granules between the sleepers. Then take a screwdriver handle and gently tap it against both rails in order to allow the ballast to settle a little more.



6

Use a craft knife to remove excess granules of ballast from between the check rails and around the frog. Avoid getting ballast around the tie-bar mechanism - a few extra seconds of care and attention at this stage will pay dividends later.



7

Fill a Deluxe Materials Ballast Spray Bottle with water and add a drop or two of washing-up liquid. Spray the mixture lightly from a height of at least 25cm so you don't disturb the ballast.



8

With the ballast moistened, dribble on Woodland Scenics' Scenic Cement. Ensure that the glue flows right through the ballast before tackling the next section. Let it dry overnight, then clean the rail tops with a track cleaning block.



9

Unless it's fresh, ballast is rarely uniform in colour. I used WWS N Gauge Medium Grey ballast to create an impression of where some of the ballast has been replaced. Vacuum away any excess.



10

Passing trains and the effects of the elements will affect the colour of the ballast. Use black and grey acrylic paints, applied with a wide paintbrush, to represent dirtier sections of track.

What you will need

SHOPPING LIST

- ◆ Deluxe Materials AC23 Ballast Spray bottle, £3 Availability: Gaugemaster Tel: 01903 884488 Web: www.gaugemaster.com
- ◆ Woodland Scenics S191 Scenic Cement, £9.75 Availability: Kernow Model Rail Centre Tel: 01209 714099 Web: www.kernowmodelrailcentre.com
- ◆ Reeves Mars Black acrylic, £6.79; Reeves Medium Grey acrylic, £7.99 Availability: Art stores or www.amazon.co.uk
- ◆ Fleischmann 9479 Track Ballast, £5.85 Availability: DCC Train Automation Tel: 01823 429309 Web: www.dcctrainautomation.co.uk
- ◆ Medium Grey N Gauge Ballast, £4.40 Availability: WW Scenics Web: www.wwscenics.com

TOOLS

- ◆ Soft, wide paintbrush
- ◆ Screwdriver
- ◆ Teaspoon
- ◆ Plastic pipette
- ◆ Masking tape
- ◆ Track cleaning rubber
- ◆ Craft knife

MASTERCLASS

Looking at locomotives in detail

Whistling wonders

It's 60 years ago this year that English Electric's Class 40 took to the rails. **Richard Foster** takes an in-depth look at the famous 'Whistler'.

It's Crewe station in the mid-1980s. Spotters' ears prick up at the distinctive, high-pitched whistling of an approaching locomotive. Sure enough, the nose of a Class 40 appears, its long flanks streaked with dust, dirt and rust.

Someone has tried to restore a bit of pride in it by hand-painting a name on the side, but it looks much like every other member of the BR fleet at the time – a tired and weary old workhorse desperately in need of an overhaul.

What may not be apparent to those spotters is that the Class 40 was not just another old diesel design. It was an important stepping stone between the pioneering diesel-electrics of the 'Big Four' and the all-conquering, mass-produced BR diesel fleet. It was, at the time of its launch, BR's most powerful diesel... and that launch took place 60 years ago this year.

It's easy to assume, given their overall shape with long noses, that the English Electric Type 4 – later Class 40 – owes its

origins to the two LMS 1,600hp locomotives designed by H.G. Ivatt, in conjunction with English Electric. However, the Type 4 used the English Electric 16SVT engine and transmission of Oliver Bulleid's experimental 10203, built for the Southern Region at Brighton Works in 1954. Even the four-axle bogie, designed by Southern Railway engineer Percy Bollen, made its way onto EE's new locomotive.

Ten were ordered as part of British Railways' Pilot Scheme and the pioneer, D200, entered service on the Eastern Region in March 1958. BR upped the order to a further 190 before the first ten had entered service.

It's apparent that the EE Type 4 was designed at a time when BR was still building steam locomotives – it was a behemoth! It weighed 136 tons and was nearly 70ft long. The '40's' bulk was supported by those

bogies, which included an un-powered pony axle to distribute the weight.

“It's apparent that the EE Type 4 was designed at a time when BR was still building steam locomotives”

INTO SERVICE

The Eastern Region didn't think much of the new design. 2,000hp was not enough to make an impression on the London-Norwich main line, where it didn't offer much improvement over a top-notch 'Britannia'.

Despite this, the Eastern Region did use its Type 4s on named trains, including the 'Master Cutler' and the 'Flying Scotsman'. However, power





and reliability issues and the introduction of the 3,000hp EE Type 5 'Deltics' forced the Type 4s off such prestigious duties.

The London Midland Region was less fussy and welcomed the 2,000hp machines with open arms, allocating them to London-Liverpool/Manchester and London-Glasgow/Edinburgh services. However, the growing electrification of

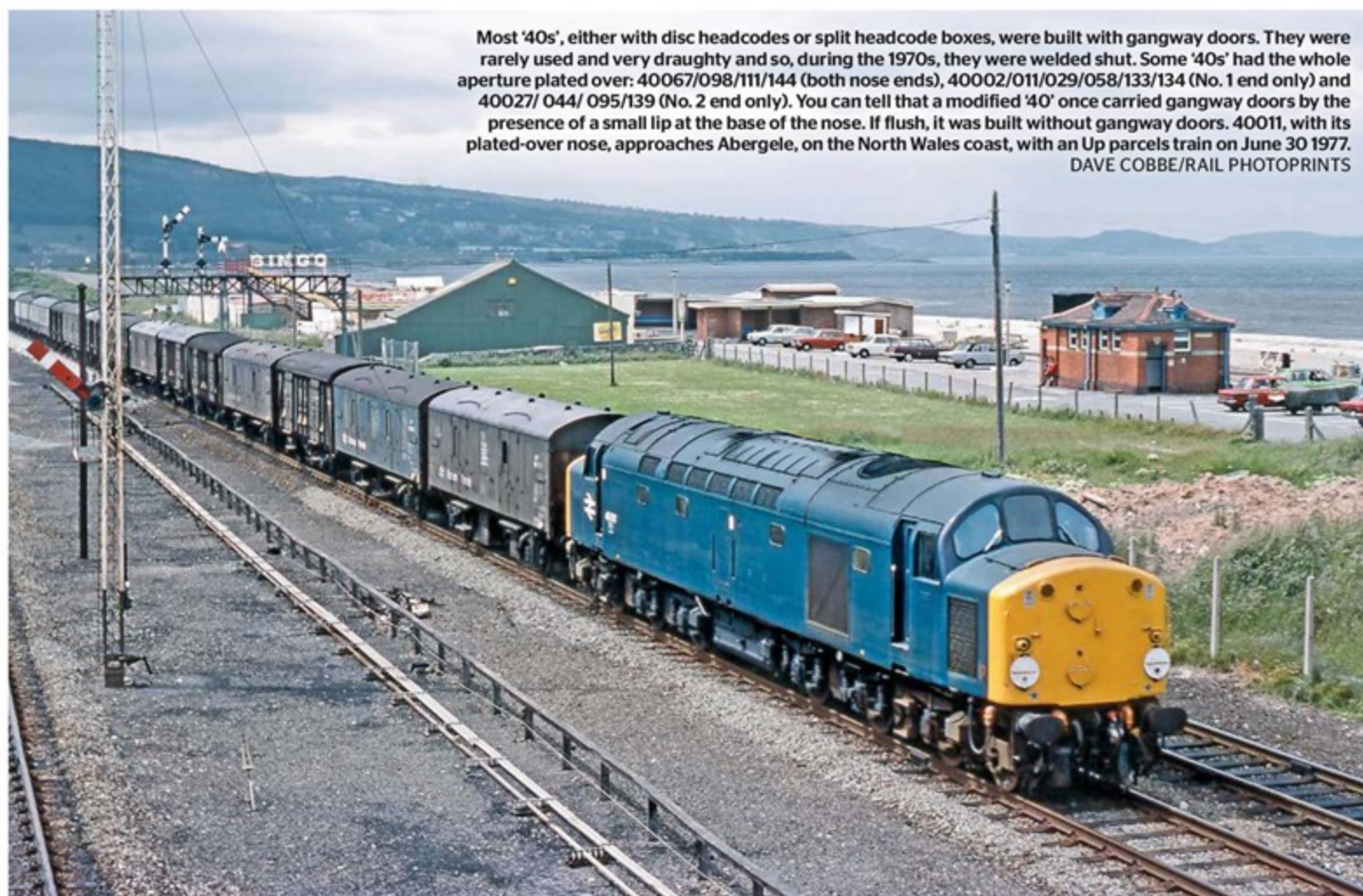
West Coast lines made the '40s' that had been working Euston express trains somewhat redundant. In turn, this resulted in Type 4s moving to the North Wales coast.

As the 1970s dawned, Type 4s were increasingly used on Eastern, London Midland and Scottish Region parcels and freight trains. ➤

Above: It's April 18 1958, and pioneer English Electric Type 4 D200 stands at London Liverpool Street station, prior to its historic debut on the former Great Eastern main line to Norwich. COLOUR RAIL

Below: The East Lancashire Railway gathered six surviving Class 40s together on April 13-15 to celebrate the class' 60th 'birthday'. D200, D213 Andania, D306 'Atlantic Conveyor', 40012 Aureol, 40135 and 40145 make a spectacular sight under the lights at Buckley Wells depot. Not present was 40118. TOM MCATEE





Most '40s', either with disc headcodes or split headcode boxes, were built with gangway doors. They were rarely used and very draughty and so, during the 1970s, they were welded shut. Some '40s' had the whole aperture plated over: 40067/098/111/144 (both nose ends), 40002/011/029/058/133/134 (No. 1 end only) and 40027/044/095/139 (No. 2 end only). You can tell that a modified '40' once carried gangway doors by the presence of a small lip at the base of the nose. If flush, it was built without gangway doors. 40011, with its plated-over nose, approaches Abergele, on the North Wales coast, with an Up parcels train on June 30 1977. DAVE COBBE/RAIL PHOTOPRINTS

NEW NUMBERS

BR's Total Operations Processing System (TOPS) was introduced in 1973 and the Type 4 became the Class 40. The complete implementation of the new numbering system took just over a year, and during that time the '40' fleet was renumbered chronologically. D201-321 became 40001-121 and D323-399 became 40123-199. Only D200 didn't fit the sequence – it became 40122.

40189 and 40190 were withdrawn in January 1976, both due to accident damage. Over the next couple of years, a reduction in freight traffic would cause the withdrawal of more '40s', and by 1979 the presence of Class 47s, along with air-conditioned Mk 2s on North Wales coastal services, would erode the workload of the '40s' even further.

However, the freight workload was set to improve thanks to the assigning of '40s' to haul steel and Teesside oil trains to Shotton. In Yorkshire, alas, the presence of the '40s' was short-lived due to the introduction of Class 56s. ➤

D260-266's nose end doors were completely removed in 1965, the apertures were plated over and central headcode boxes installed. The boxes had square corners, unlike the rounded corners fitted to D345-D399 from new. During the mid-1970s, 40060/40061/40065 received the standard round-cornered boxes, whereas 40062-64/66 retained their square boxes. The reason for this seemingly inconsequential aesthetic change is rather mysterious. 40063's square-cornered headcode box is clear to see as it passes through Manchester Victoria with a refuse train on March 22 1982. JOHN E. HENDERSON/COLOUR RAIL

Departmental reprieve

Crewe station was closed for seven weeks during the summer of 1985 to allow for redevelopment work. This came at the same time as BR was withdrawing the remaining Class 40s. However, due to a lack of motive power for engineering traffic, 40012, 40060, 40118 and 40135 were pulled out of retirement. They were renumbered as part of the '97/4' departmental fleet: 40060 (97405), 40135 (97406), 40012 (97407), 40118 (97408).

Crewe's new departmental '40s' were

rewarded with work in the North West. As well as working engineers' trains, they hauled passenger and parcels traffic. Despite their obsolescence, the four Crewe '40s' continued to be used after the work at Crewe had finished. 97407 and 97408's careers eventually ended in early 1986, with 97406 succumbing in December. 97405 continued working until March 1987.

This departmental work ensured that three of the quartet lasted long enough to be saved for posterity.



Saving the '40s'

Pioneer '40' 40122 was withdrawn in August 1981. *Model Rail*'s sister publication, *RAIL*, embarked on a campaign to save it. BR confirmed that D200 would return to traffic over an overhaul at Toton depot, where it would become the last Class 40 in revenue-earning service.

In January 1988 it needed replacement wheelsets and these were salvaged from 40013 – which had been hauled around, unpowered, for exhibitions. One rather embarrassing incident involving 40122 was its March 12 1988 railtour. Instead of its famous BR green livery, it wore undercoat; the locomotive was due for a repaint, but it wasn't possible to complete the work in time. D200 was due to be withdrawn again in May 1988 and so, in April that year, it made its final trip to York to take its place in the National Railway Museum, where it resides today.

The Class 40 Preservation Society owns three '40s': D335, 40145 and its most recent acquisition, D306 'Atlantic Conveyor', as well as the cab from 40088. D213 *Andania* has an active future before it, as it will be part of the Locomotive Services Ltd main line fleet at Crewe. It will run on the main line as part of the LSL fleet for the next three years.

Sister D212 *Aureol* is in regular service at the Midland Railway – Butterley, while 40118 is under restoration at Tyseley Locomotive Works.



40062 and 40158 received plated-over headcode panels on the No. 2 ends, which made them look a bit like a Class 37. 40158 passes through Dore & Totley with a short coal train in 1983. P.J. HUGHES/COLOUR RAIL

Keeping it warm

The locomotives might have been powered by diesel, but steam was still needed to heat the coaches. The Class 40s, like other designs, needed Steam Heat Generators, referred to as 'boilers', and two types were used: D200-259/267-286/305-324 were fitted with Stones-Vapor boilers, whereas D260-266/287-304/325-399 received Clayton boilers. Although enclosed within the body, there were some tell-tale differences: Stones-Vapor-fitted

machines had a rectangular exhaust port and a square access panel with a top hinge; the Clayton boilers had a circular exhaust port and a rectangular access hatch with side hinges.

D255 entered service with Electric Train Heating equipment installed for trial purposes. However, once tests were complete this was removed and the 'blue star' multiple working equipment added in the standard position.



The four-character headcodes no longer needed to be displayed from January 5 1976. Eventually, black film was applied to the inside of the glass with two circles cut into it to allow the headcode illumination lights to shine through. These 'domino' panels began to appear on '40s' built with split and central headcode boxes. Other nose-end renovations that took place during the 1970s included the removal of headcode discs. This happened to a large number of the '40s' still carrying the outdated technology. 40104 and an unidentified split 'box' classmate rest outside Reddish depot. COLOUR RAIL

Class 40s in the North West regularly hauled civil engineering trains, as well as both passenger and freight services over the gruelling Settle-Carlisle line. London Midland Region '40s' worked various freights – newspaper, oil, and Freightliner container trains. The workload of Scotland-based '40s' remained constant. However, from 1979, Class 45s and 47s would force out Class 40-worked passenger services from the Eastern Region.

By the end of the 1980s, the class would be beset by further withdrawals. And in December 1982, the '40' hit an ominous milestone: 50% of the fleet had been withdrawn. For the most part, outdated locomotives which had not been fitted with air brakes had been targeted. 40009, now the



During the late 1970s/early 1980s, water tanks for the steam heating boilers were removed entirely on some '40s'. The following locomotives received this treatment: 40001/8-10/20/2/36/7/73/9/82/91/2/4/9 and 40115/21/31/5/7-40/5/52/69/70/80/3/92-6. 40183 shows off the unsightly gap between the bogies at Scarborough in August 1982. It's also lost its frost grilles, leaving the louvres over the radiator clearly visible. RAIL COLLECTION

Building the '40s'

The majority of the 200 English Electric Type 4s – D200-304/325-399 – were built at Vulcan Foundry. However, Vulcan Foundry also had an order to build 22 English Electric Type 5 'Deltics' so, to create the necessary space, 20 Class 40s – numbers D305-324 – were built at Robert Stephenson & Hawthorns, in Darlington.

The 200 '40s' were built as follows:

NOS. PRODUCTION NOTES

D200-05	Built: Vulcan Foundry Delivered to: Stratford (30A) (Eastern Region GE section) Delivery dates: March-June 1958 Notes: Disc headcodes and gangway doors.	D270-86	Built: Vulcan Foundry Delivered to: Gateshead, York (North Eastern Region) Delivery dates: April-July 1960 Notes: Disc headcodes and gangway doors.
D206-09	Built: Vulcan Foundry Delivered to: Hornsey (34B) (Eastern Region) Delivery dates: July-September 1958 Notes: Disc headcodes and gangway doors.	D287-304	Built: Vulcan Foundry Delivered to: Carlisle Upperby, Crewe North (London Midland Region) Delivery dates: August-December 1960 Notes: Disc headcodes and gangway doors.
D210-36	Built: Vulcan Foundry Delivered to: Willesden (1A), Crewe North (5A), Longsight (9A), Carlisle Upperby (12B) (London Midland Region) Delivery dates: May-October 1959 Notes: Disc headcodes and gangway doors.	D305-324	Built: Robert Stephenson and Hawthorns Delivered to: Crewe North (London Midland Region) Delivery dates: October 1960-June 1961 Notes: Disc headcodes and gangway doors.
D237-54	Built: Vulcan Foundry Delivered to: Gateshead (52A), York (50A) (North Eastern Region) Delivery dates: October 1959-January 1960 Notes: Disc headcodes and gangway doors.	D325-344	Built: Vulcan Foundry Delivered to: Crewe North, Edge Hill (London Midland Region). Delivery dates: December 1960-May 1961 Notes: Split headcode boxes and gangway doors.
D255	Built: Vulcan Foundry Delivered to: Derby (17A) (London Midland Region) Delivery dates: January 1960 Notes: Disc headcodes and gangway doors.	D345-56	Built: Vulcan Foundry Delivered to: Neville Hill, York (North Eastern Region) Delivery dates: May-August 1961 Notes: Flush ends and four-character headcode boxes.
D256-59	Built: Vulcan Foundry Delivered to: York (North Eastern Region) Delivery dates: January-February 1960 Notes: Disc headcodes and gangway doors.	D357-68	Built: Vulcan Foundry Delivered to: Haymarket (Scottish Region) Delivery dates: August-December 1961 Notes: Flush ends and four-character headcode boxes.
D260-66	Built: Vulcan Foundry Delivered to: Haymarket (64B) (Scottish Region) Delivery dates: February-March 1960 Notes: Disc headcodes and gangway doors.	D369-84	Built: Vulcan Foundry Delivered to: Crewe North, Longsight, Camden (London Midland Region) Delivery dates: December 1961-March 1962 Notes: Flush ends and four-character headcode boxes.
D267-69	Built: Vulcan Foundry Delivered to: Camden (1B), Crewe North (London Midland Region) Delivery dates: March-April 1960 Notes: Disc headcodes and gangway doors.	D385-99	Built: Vulcan Foundry Delivered to: York, Gateshead (North Eastern Region) Delivery dates: March-September 1962 Notes: Flush ends and four-character headcode boxes.



Above: D374 waits at Crewe with the northbound 'Royal Scot' in April 1963.
R.A. WHITFIELD/RAIL PHOTOPRINTS

Top: A fine portrait of D202 at Stratford depot in 1967. As well as its BR green with yellow warning panels, the EE Type 4 still also has its frost grilles over the large radiators.
MIKE JEFFERIES/RAIL PHOTOPRINTS

only vacuum-only '40' in service, managed to evade withdrawal until November 1984.

Freight had become the '40s' bread and butter and, by 1982, Settle-Carlisle, the North West, and Mossend-Harwich were a hub of '40' activity. During the early 1980s, '40s' did work the Western Region (although not in a conventional manner) where they were used as training locomotives at Severn Tunnel Junction.

By January 1985, the '40' fleet had been reduced to just 17 locomotives: 40012/3/44/60/79/86/104/18/22/35/43/50/2/5/81/92/4. And on January 21, further withdrawals left only 40012/118/122. However, in February, two more locomotives were axed, leaving only 40122 – working railtours. The London Midland Railway acquired 40013, and used it as an exhibition locomotive in 1985. **MR**

Naming the '40s'



BR wanted to celebrate its links to the shipping companies that served Liverpool, so 25 Class 40s were named after Elder Dempster Lines, Cunard and Canadian Pacific liners. The distinctive 'plates' were fitted between May 1960 to March 1963 as follows:

D210 - <i>Empress of Britain</i>	D220 - <i>Franconia</i>	D231 - <i>Sylvania</i>
D211 - <i>Mauretania</i>	D221 - <i>Ivernia</i>	D232 - <i>Empress of Canada</i>
D212 - <i>Aureol</i>	D222 - <i>Laconia</i>	D233 - <i>Empress of England</i>
D213 - <i>Andania</i>	D223 - <i>Lancastria</i>	D234 - <i>Accra</i>
D214 - <i>Antonia</i>	D224 - <i>Lucania</i>	D235 - <i>Apapa</i>
D215 - <i>Aquitania</i>	D225 - <i>Lusitania</i>	D226 was allocated the name <i>Media</i> but its 'plates' were never carried.
D216 - <i>Campania</i>	D227 - <i>Parthia</i>	
D217 - <i>Carinthia</i>	D228 - <i>Samaria</i>	
D218 - <i>Carmania</i>	D229 - <i>Saxonia</i>	
D219 - <i>Caronia</i>	D230 - <i>Scythia</i>	

Some '40s' received unofficial names, including 40104 'Warrior', 40129 'Dracula', 40131 'Spartan', 40132 'Hurricane', 40134 'Andromeda', 40137 'Trojan', 40145 'Panther' and 40164 'Lismore'. D306 gained the name 'Atlantic Conveyor' in preservation, to commemorate the container ship lost during the Falklands War.

Liveries

All 200 '40s' were originally finished in BR green, with white cant rail stripes, grey roof, and red bufferbeams. However, '15 reportedly received yellow warning panels from new. The implementation of warning panels was designed to make locomotives more visible and, from 1962, the entire fleet received them.

(D)362/65/70 retained their warning panels until 1971/72. D205/8-10/2/4/5/7/8/20-6/8/30-2/4-6/9/41/3/4/7/9/52-8/60/3-9/72-4/7-9/82-99 and D301/2/4-6/8-11/3-20/5/6/8/30/2-55/7-9/61/9/71/3/4/6-85/7-99 received full yellow ends from 1966 onwards.

Blue repaints began in 1967 but a selection of '40s' received their TOPS numbers while still in BR green livery. The locomotives in question were: 40010/7/8/22/31/5/9/52/87/8/96 and 40101/4/6/15/33/5-9/45/53/69/71/6/80-4/7/99, with 40039/052/187 featuring

bodyside numbers - the rest featured cabside numbers.

The new corporate blue livery would eventually feature on 197 of the 200 Class 40s, and with it, all of them would sport full yellow ends. Of the three locomotives that didn't receive blue, D322 was withdrawn in September 1967 following a crash in 1966, and 40039 was withdrawn in January 1976. The final example, 40106, emerged from Crewe in 1978 and was once again painted in BR green, albeit with full yellow ends. Unsurprisingly, this garnered much interest

and, following its withdrawal in April 1983, it was preserved.

BR took to altering a large portion of the BR blue '40s' in the early 1980s. Certain locomotives, such as 40003/024/060/128/158/160, had pre-TOPS numbers added to their bodysides. Changes to 40155 were as follows: red bufferbeams with white handrails, air horn grilles, and headcode box surrounds. For some months during the mid-1980s, display locomotive 40013 sported white cant rails and window frames.

Right: D210-324 were delivered with ladders on the nose ends but they didn't last beyond 1964. D308's ladder is clear to see in this January 5 1961 shot taken at Stockport. D. FITZGERALD/COLOUR RAIL



Below: Class 97/4 97405 is a sorry sight at Garston Holding Sidings on June 9 1986. The former 40060 was one of four '40s' retained for departmental duties linked with a major refurbishment at Crewe, but it was withdrawn in early 1986 and scrapped. RAIL PHOTOPRINTS



CLASS 40s - DAY-TO-DAY



HOW TO WEATHER A 'WHISTLER'

George Dent uses a range of manual and airbrush techniques to get the best from Bachmann's 'OO' gauge model.



MODEL Bachmann Class 40

♦ Price rrp £174.95 (new)

AVAILABILITY Bachmann stockists,

www.bachmann.co.uk



I seldom need much persuasion to work on a Class 40, with my collection already boasting half a dozen BR blue examples. However, I was missing a split-headcode version and, with my modelling interests stretching back into the late 1960s, I really fancied a BR green example, with full yellow ends.

Having tinkered with previous models, altering the ride height of early Bachmann releases and sticking bits of etched metal here and there, I really wasn't up for doing the same thing again. Instead, I opted to see how good Bachmann's model could look after applying a careful weathered job.

Furthermore, having tracked down a pre-owned bargain that sported the correct

livery and headcode combination, this meant that I'd be working on one of Bachmann's earlier releases (circa 2004), sporting none of the improvements implemented during the 2014 re-tooling.

Spending less on the donor model certainly lowers anxiety levels, especially when daubing lots of thick paint all over the underframes. But it also made me more determined to do as good a job as possible, in order to distract from the less-than-perfect body profile.

The finished results are pleasing, and with some useful weathering practice under my belt I'll feel more confident working on the newer (and more expensive) Bachmann '40s' in the future!



EXPERT TIP

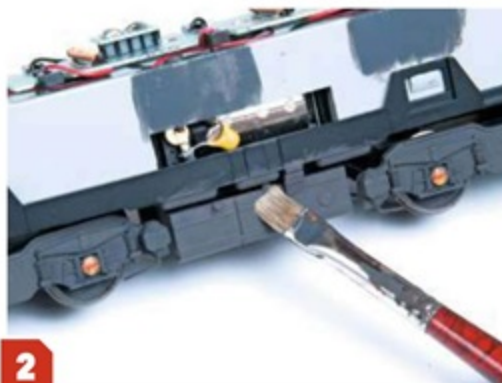
Before weathering any RTR locomotive, ensure that it is clean of dust, debris, oil and grease. A mild alcohol cleaning fluid, such as Phoenix Precision's Pre Paint Multi Surface Cleaner (ref. PQ19), is an ideal medium, and it's safe on plastics and paintwork.

STEP BY STEP



1

After separating the body and chassis, a selection of LifeColor acrylics (UA720, UA723 and UA722) was mixed with LifeColor dry pigment (PG101) to form a dirty-looking textured coating.



2

This mixture was then brushed liberally over the bogies and underframe with a flat brush, being sure to work it into all recesses. If the textured paint is too thick to brush evenly, add a little water to the mix.



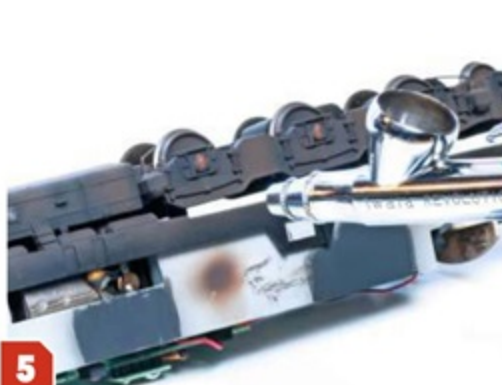
3

As the acrylic paint dries quickly, only small areas were treated at a time. Excess paint was removed while wet with a damp swab, especially on the bufferbeams. Leave deposits of 'dirt' in recesses and around raised features.



4

Once all of the bogie frames and chassis had been treated it was left for an hour to dry. RailMatch enamels were next (refs. 402, 403 and 412), which need thinning to a consistency similar to skimmed milk, prior to airbrushing.



5

With the air pressure set to around 12psi, the RailMatch shades were misted gently over the underframe. Work the colours around the raised detail and alter the shades slightly to achieve a variety of tones.



6

Once the painting of the chassis is complete, the wheels and electrical contacts must be cleaned thoroughly. A swab or micro brush dipped in track cleaning fluid will shift the unwanted paint.



7

Prior to treating the bodyside, the glazing was protected with Maskol fluid, applied with a cocktail stick. The fluid was worked into the corners of the aperture. Maskol dries to a flexible film that is easily peeled away later.



8

MIG's enamel washes must be shaken thoroughly before opening and can be diluted, if necessary, with the matching formula of thinners or white spirit. I used a combination of the Dark and Brown wash shades.



9

A small amount of the wash mix (a dark shade) was applied to a small section of the roof, using a soft, flat brush. Ensure that the dark pigment runs into all of the recesses.



10

With dry cotton swabs, wipe away the excess wash while it's still wet, using lateral strokes to simulate gravity-induced streaking. Change to a clean swab when necessary and remove as much, or as little, wash as desired.



11

Work your way along all of the roof panels and then set the model aside to dry overnight. Further coats of the dark MIG wash can then be concentrated into deeper recesses, especially the louvres and grilles.



12

The bodysides of Class 40s were generally kept much cleaner than the roof, so a mix of MIG Dark and Brown washes was applied with a much smaller brush in a more targeted manner, running it into seams and recesses.

What you will need

TOOLS

- ◆ Paintbrushes
- ◆ Cotton swabs
- ◆ Cocktail sticks
- ◆ Airbrush and equipment (optional)

MATERIALS

- ◆ MIG enamel weathering washes, Scale Model Shop, 01422 405040, www.scalemodelshop.co.uk
- ◆ LifeColor paints and pigments, The Airbrush Company, 01903 767800, www.airbrushes.com
- ◆ RailMatch enamel paints and thinners, Howes Models, 01865 848000, www.howesmodels.co.uk



13

The recessed cab doors invariably attracted plenty of muck, so a few layers of the wash mix were applied, removing the excess with a swab. A few coats of the Dark wash were built up in the side grilles.



14

The nose ends were treated in a similarly restrained manner. The thin wash will find its way into seams and around raised details with minimal fuss. Use a little thinner to manipulate the pigment (or remove it) when necessary.



15

Leaving things overnight will allow the enamel wash to dry fully. Raised details such as the slats in the radiator grille can be highlighted with the tip of an artist's graphite pencil.



16

The airbrush and RailMatch paints are used again, adding subtle staining and shading to the roof panels. Tailor the paint shades, veering towards darker tones around the exhaust outlets.



17

With earthier brown shades, the airbrush can then be harnessed to mist a light layer of dirt along the lower edges of the bodysides. Keep the air pressure low and paint flow to a minimum, thus retaining full control.



18

The Maskol was removed from the cab front windows and replaced by shaped stencils, cut from masking tape, to mimic the pattern created by the windscreen wipers.



19

Treating the nose ends requires more restraint, with darker shades misted onto the bonnet tops and a wisp of earthier tones along the lower front edge. Keep paint flow from the airbrush to a minimum and take your time.



20

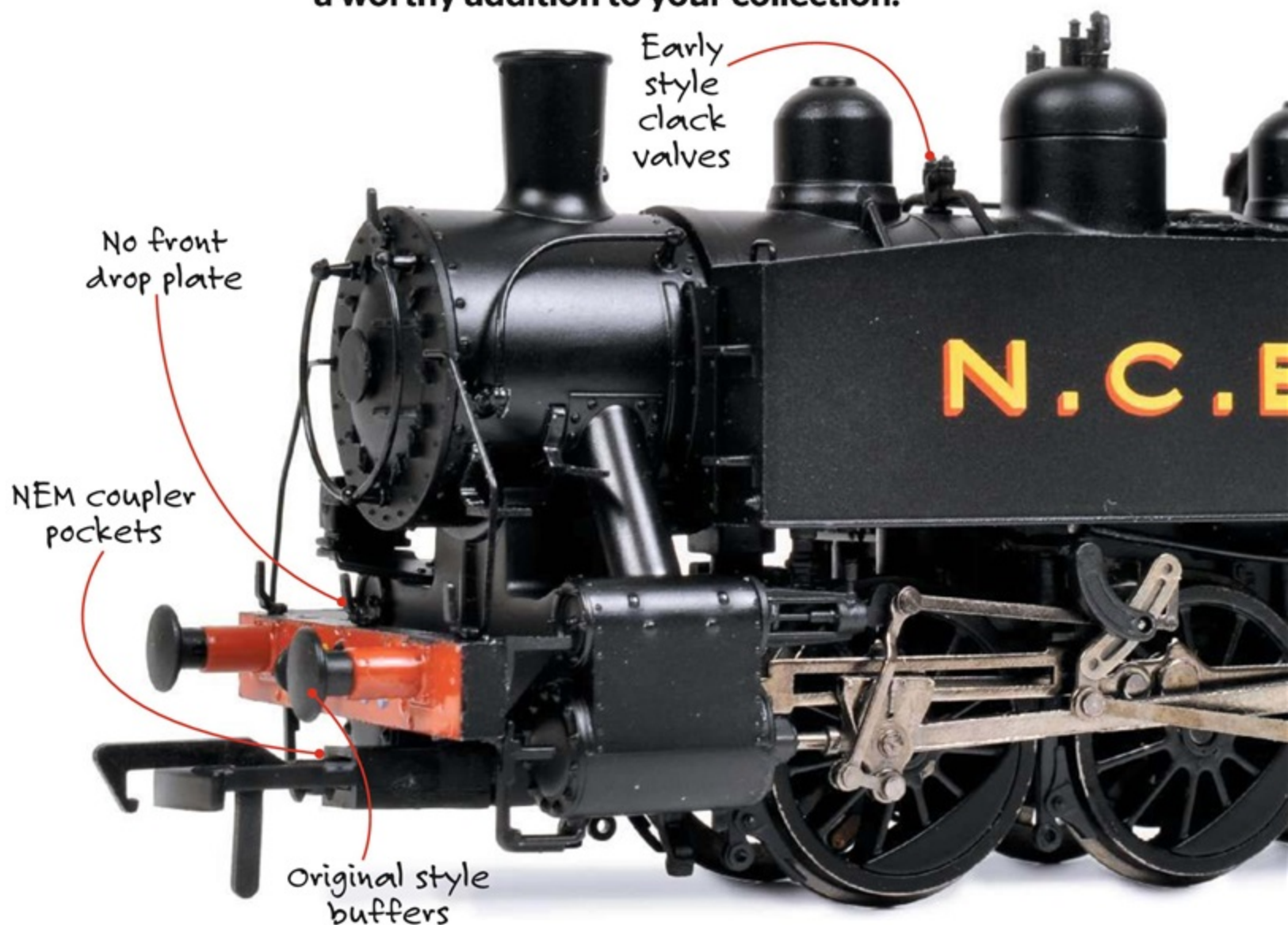
When the paints have dried, the window masks can be gently removed to reveal the wiper trail patterns. Peel away the Maskol from the rest of the glazing and reassemble the model.



Exclusive to
Model Rail

Model Rail's 'US

Model Rail's NCB black 'S100' 0-6-0T, produced exclusively by Bachmann, is a beautiful representation of the real thing and a worthy addition to your collection.



'USA' of the month

MR-107: No. 36, National Coal Board black

USATC No. 6006 had a quiet war. It was built by Davenport as one of a batch of 20 in 1944, crossed the Atlantic... and after spending a period shunting at various docks in the UK, it went into store.

The newly created National Coal Board plucked No. 6006 from Newbury Racecourse storage

sidings in 1947 and moved it to Hartley Main Colliery in Northumberland, where it became No. 36. It joined two other 'S100s' in the NCB fleet (Nos. 32 and 35) but the US locomotives were not a success and they were withdrawn in 1953.

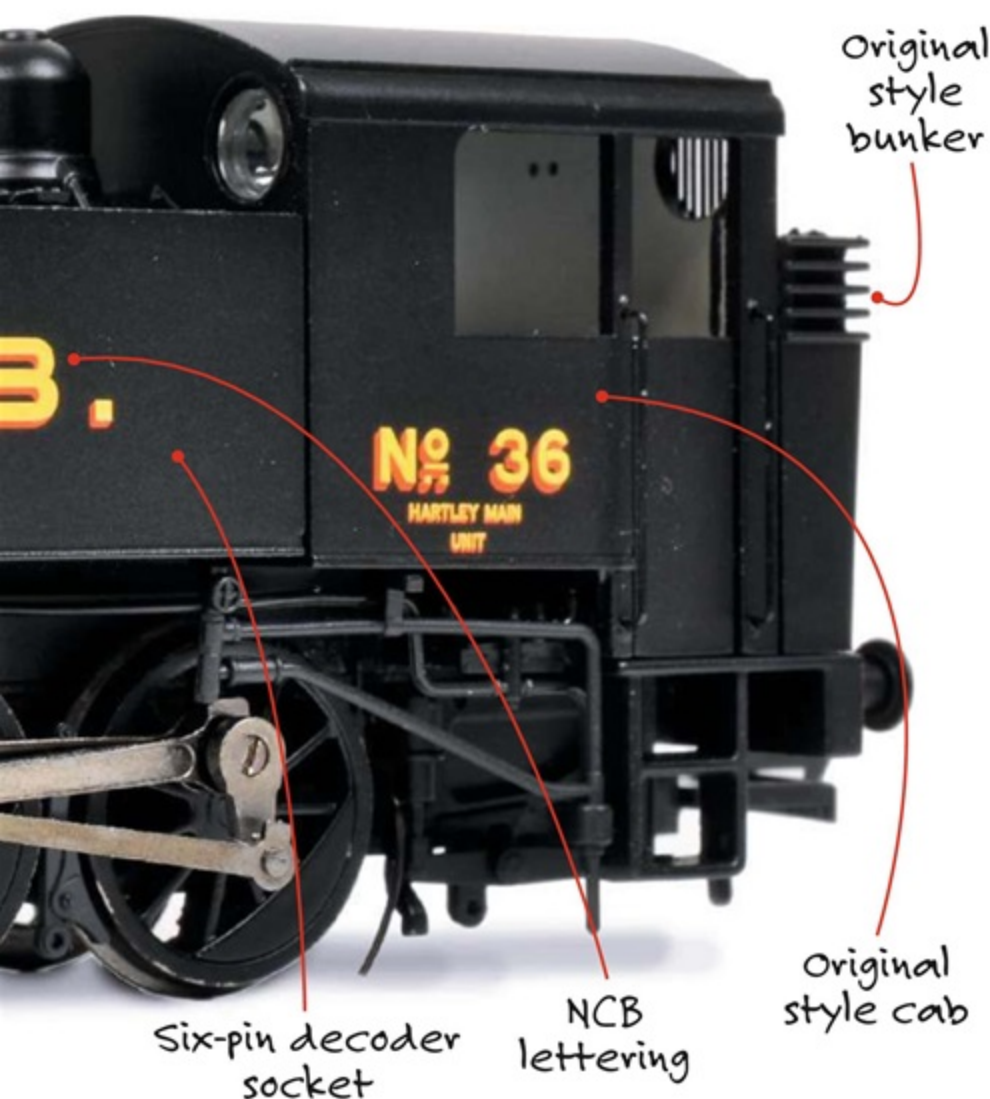
Model Rail's model accurately reflects No. 36 in its colliery condition, complete with reverse shaded lettering and numbers.

ORDER AT 01209 613984 OR
WWW.MODELRAILOFFERS.CO.UK

SA' 0-6-0Ts

Only £124.95

£112.46 price for subscribers



OUR NEW BATCH OF 'USAs'



Only £129.95

£116.95 price for subscribers

MORE TO CHOOSE FROM



MR-101 No. 1968, USATC black



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



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



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



MR-110 No. DS237 Maunsell, BR Departmental green

ALL IN STOCK NOW

Price: **£124.95** £112.46 price for subscribers

ACCESS ALL AREAS

Wembley Traincare Centre

Inspiration and insight are vital ingredients when planning a layout. **Richard Foster** brings you this exclusive look at a working depot to help you enhance your modelling.

It's all very well modelling what you see, but sometimes, you need to know how things work to really get the most from a project.

Last issue, Paul A. Lunn offered some layout ideas based on the Caledonian Sleeper operations at Wembley depot. They offered food for thought for those wishing to model one of the most interesting train operations on today's railway.

As good and thought-provoking as those trackplans were, they only reveal what a potential layout might look like. They don't show you how the layout might work.

Bridges and embankments can give you a bit of vantage point from which to observe the workings of the modern railway. But much of it still remains a mystery.

You'll also miss lots of smaller details, signs and what-not.

This proves that there's nothing like getting on site and poking around to get a fuller picture of what you're planning to model.

What follows is as close to a guided tour of Alstom's Wembley Traincare Centre as it's possible to get. Not only will you be able to see all those details that you'd miss from the window of a speeding 'Pendolino', but we can reveal how the Caledonian Sleeper stock

moves around the depot for servicing too.

We covered the Caledonian Sleeper's fascinating operations in depth last issue, but it's worth repeating some of the key points.

There are two northbound weekday departures per night. The 'Highlander' leaves Euston at 2000 for Edinburgh. There it splits into three portions to serve three destinations (with key stops *en route*): Fort William, Inverness and Aberdeen.

The mid-week 'Lowlander' departs Euston at 2200. This train divides at Carstairs Junction; one portion goes to Glasgow (via Motherwell) and the other goes to Edinburgh. Southbound departures work in reverse.

Alstom's Wembley depot is the nerve centre at the London end and has to service two sets of sleeper stock per day. Servicing sets in Scotland takes place at Glasgow Polmadie, Inverness and Aberdeen Clayhills depots, and at Fort William station.

The 'Sleeper' is a separate franchise operated by Serco. Traction is provided by GBRf and we've also waxed lyrical about the fascinating mix of locomotives used to move Britain's long passenger train every night.

So, without further ado, enjoy your Access All Areas pass to Wembley Traincare...



'Caley Sleeper' - the film

Our friends at *Model Railroader* have put together the ultimate behind-the-scenes film about the Caledonian Sleeper. Intrepid explorer Charlie Conway observes every aspect of the 'Sleeper's' operation, from a cab ride in a Class 92 to visiting Bad Girl Bakery, in Muir of Ord.

You can see Part 1 of Charlie's *Taking Care of Business* film at <http://mrr.trains.com/tags/taking-care-of-business>



Around the site



WEMBLEY OPERATIONS



1

Empty stock arrives on site.



2

First, hoses are connected to each coach and the waste water is drained into tanks under the tracks.



3

The sleeper stock passes by the shed and through the carriage washing plant.



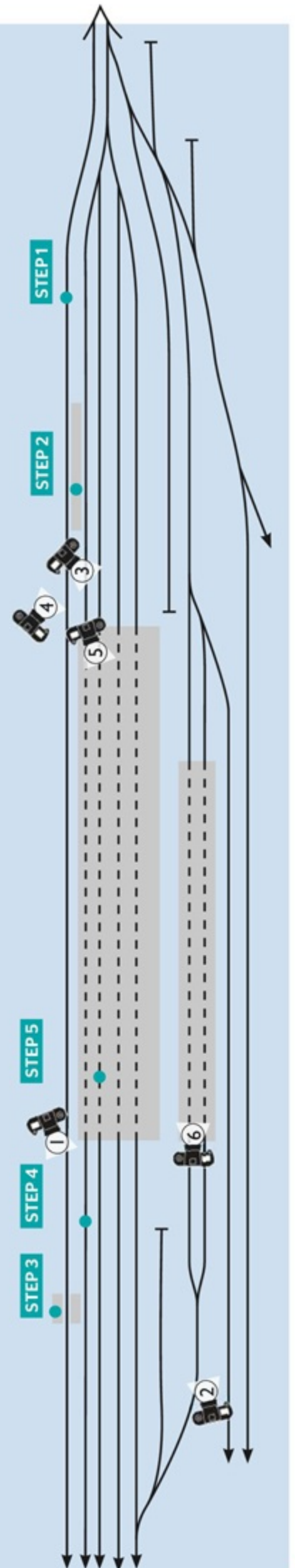
4

With the washing complete, the entire train is shunted into one of the storage roads.



5

Leadec Industrial Services staff will go through each train and clean it. This is a combination of regular train-cleaning duties plus the sort of work you might see being done at a hotel - changing bedding and towels and restocking complementary drinks.





PAUL BIGLAND/RAIL

Coaching stock

Both the 'Lowlander' and 'Highlander' trains use a mixture of Mk 3 and Mk 2 coaches. Many still carry First ScotRail colours, but several have been repainted in Caledonian Railway's smart, dark turquoise livery.

The current fleet comprises the following vehicles:

- ◆ Mk 2e Open Brake Unclassified (built 1972/73, converted from Mk 2e SOs): 9800-9810
- ◆ Mk 2f Sleeper Reception (built 1973/74, converted from Mk 2f FOs): 6700-6708
- ◆ Mk 3a Sleeping Car with Pantry (built 1981-83): 10501/502, 504, 506-508, 513, 516, 519/520, 522/523, 526/527, 529, 531, 542-544, 548, 551, 553, 561/562, 565, 580, 597/598, 600, 605, 607, 610, 613/614, 617
- ◆ Mk 3a Sleeping Car (built 1980-1985): 10648, 650, 666, 675, 680, 683, 688-690, 693, 699, 703, 706, 714, 718/719, 722/723

Fresh paint can't hide the age of these vehicles, and one of the first things Serco did when it took on the franchise in 2015 was order new coaches. Spanish train builder CAF is supplying four variations on what will be Britain's newest standard coach design (classified Mk 5) for the 'Sleeper'. They should enter service later in the year.

The Mk 5 fleet comprises:

- ◆ Sleeper with Brake (numbers 15001-15011)
- ◆ Sleeping Car Lounge (15101-15110)
- ◆ Sleeping Car Fully Accessible (15201-15214)
- ◆ Sleeping Car (15301-15340)

There is a downside to the Mk 5s: Class 47, 67, 86, 87 and 90 can't haul them because they have Dellner couplings and lack hook and chain couplings.

That said, the future of Mk 2 and Mk 3 coaches isn't entirely bleak. Caledonian Sleeper is investigating whether it can use these vehicles on a new, 'internal' Scottish sleeper service to places such as Thurso and Wick.



MARK HICKEN/ALAMY



CALEDONIAN SLEEPER

Do more, see more

Why not experience the 'Sleeper' for yourself? Ticket prices for a London-Inverness trip start at £60 for a seat or £175 for a Standard Class berth. Explore all the options at www.sleeper.scot

Thanks to...

Model Rail would like to thank David Simpson at Serco, Sam Sullivan and all at Alstom, and Dale Williams and all at GBRf for all their time, generosity and hospitality in making this feature possible.

Essential details



Change between flatbottom and bullhead rail.



Warning signs come in many forms.



25kV wires enter the carriage sheds.



Chocks and stop boards protecting a siding.



Groundframe between depot and main line.



Not all the curves are smooth!



A good view of the lifting legs. Note the concrete walkways.



Upper quadrant signal on the entrance track.



HOW TO

MODEL AN URBAN DEPOT

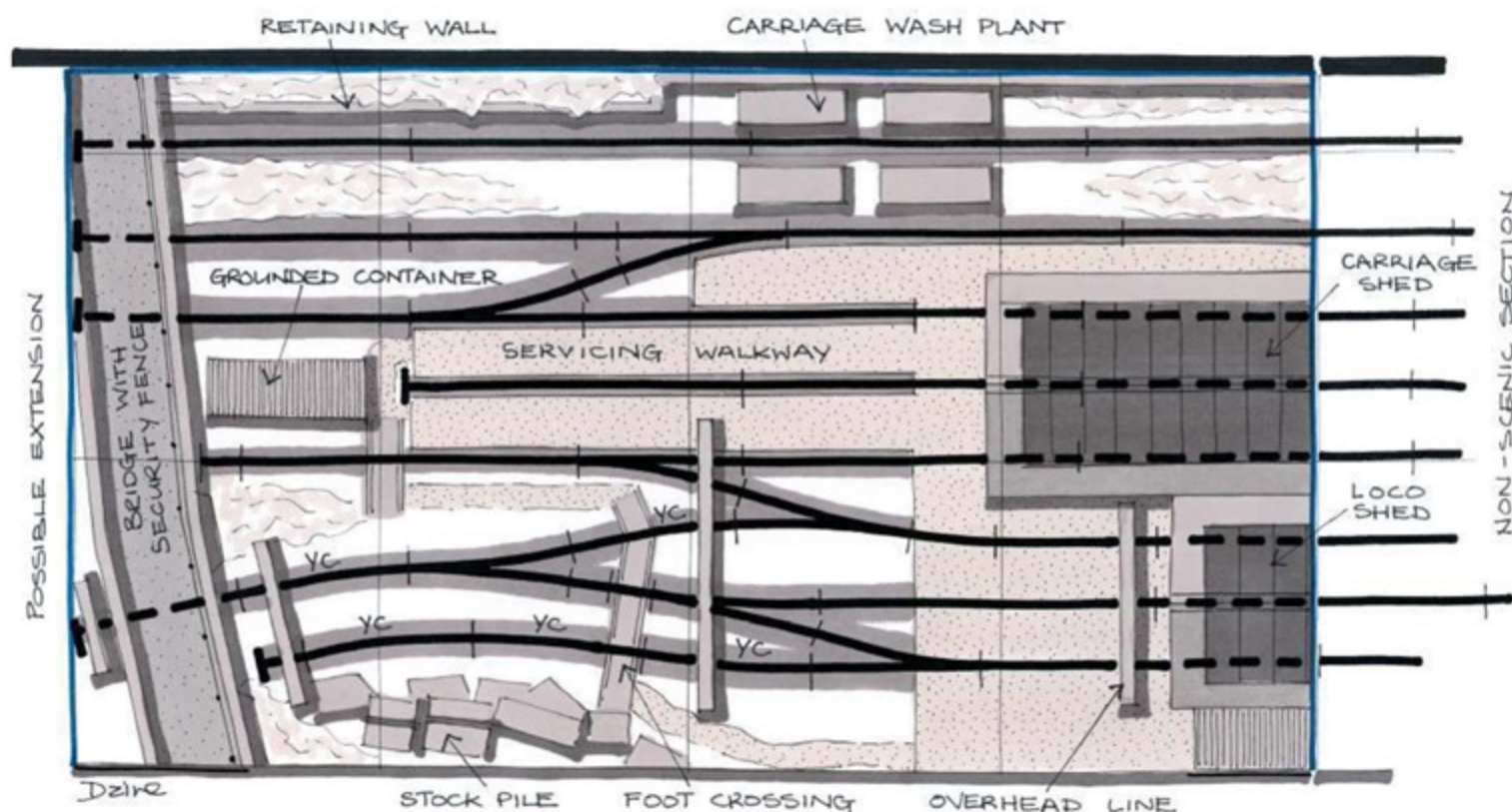
Dave Lowery shows you how to put all that inspiration into effect with this layout build.

Paul Lunn offered some interesting track plans inspired by Wembley depot last issue. We kept this one by in order to show you how to build a layout based on the London home of the Caledonian Sleeper.



I made a standard 2in by 1in-framed baseboard with a 12mm ply top, which you

can buy in 4ft by 2ft pieces from B&Q. I built up an extra layer at the back to take some high-level tracks. Use a Metcalfe retaining wall kit as a guide to get the height right. Right, let's get started!





What you will need

SHOPPING LIST

- ◆ Metcalfe PO244 OO Scale Retaining Wall, £13.50 each; PO246 OO Scale Railway Bridge in red brick, £14.50
Availability: Metcalfe Models stockists or www.metcalfe-models.com
- ◆ Scenecraft 44-0033 Two Lane Engine Shed, £99.95; 44-017 Modern Servicing Depot, £99.95; 44-0026 Electrical Relay Room, £29.95; 44-081 Portable Offices, £36.95; 44-184 Mechanical Wash Plant, £49.95; 44-0094 Rendered Prefab Building, £54.95; Woodland Scenics Fine Turf (various colours), £10.75 each; Woodland Scenics Coarse Turf (various colours), £10.75 each; Woodland Scenics WB1376 Cinders Fine Ballast, £12.75
Availability: Bachmann stockists

TOOLS

- ◆ Stanley knife
- ◆ Paintbrushes
- ◆ Pin vice and small bits
- ◆ Drill and bits
- ◆ Screwdriver
- ◆ Tenon saw
- ◆ Tape measure
- ◆ Sharp pencil
- ◆ G-cramps

STEP BY STEP

1



Paul's trackplan measured 4ft by 2ft 6in, with a high-level extension piece. I made the baseboards from glued-and-screwed 2in by 1in softwood and 12mm ply from B&Q.

2



I used Metcalfe's retaining wall kit to gauge the height of the high-level tracks. It suited B&Q's 25mm by 75mm timber, so I made a second, smaller board and fixed it to the main one.

3



Take your track - in this case Peco Code 100 Streamline - and arrange it as per your plan. This is the first chance to see if your plan will physically work. Rearrange if necessary.

4



Now introduce the buildings and see if everything flows. For example, I moved the wash plant on to a through-road, rather than sticking it on the end of a siding.

5

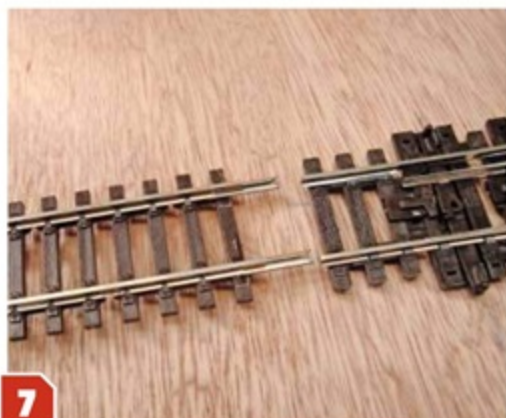


When you're happy, start to lay track. Cut the straight track to size using a pair of quality cutters. Place the flat side of the cutters to the track you want to keep, to give a clean cut.

6



To avoid unprototypically large gaps between the sleepers, you'll need to remove the moulded chairs with a sharp blade. Mind your fingers!



7 Place rail joiners on to the freshly cut rails. With both pieces of track on the board, join them together. You'll need to trim sleeper ends when working on the heel end of the point.



8 With all your track laid, stand back and take a look. This will be your last chance to make any alterations before you start the wiring and adding scenery.



9 A key visual feature will be the rails set in concrete hard standing. With the buildings temporarily in place, mark the areas where the hard standing will be.



10 Use 5mm foamboard for the hard standing. Cut it with a steel rule and craft knife to give you a straight edge and glue it in place with PVA. Cut it to go either side of the tracks.



11 Fill the gap between the edge of the foamboard and the rail with a plaster filler, such as Polyfilla. Use a nice, wide scraper. Finish by working the scraper along the sidings for a smooth surface.



12 Make the track in-fills from 11mm-wide strips of Plastikard. Use UHU glue to fix these in place, to prevent the water-based glue from seeping under the foamboard during ballasting.



13 I use Fine Cinders as a ballast for depot track as it gives a lovely fine finish. Make a 50/50 mix of water and PVA, plus a drop of washing-up liquid, and glue the cinders in place.



14 Glue the completed retaining wall in place with PVA. Before you do, spread some more PVA along the base and up the arches, and sprinkle on some green flock.



15 I have used grey ballast on the high-level track to contrast it with the black cinders in the depot below. For more ballasting techniques, turn to page 48.



16 Grass mats are easy to cut, can be stuck down with Copydex almost instantly and there is a degree of relief to the grass. Plus, it covers the plain baseboard.



17 Apply PVA to gaps between the ballast and grass mat and, while it's still wet, sprinkle on some Woodland Scenics Coarse foliage, increasing the thickness towards the edges.



18 Spread more PVA on the bare spaces between the track and, while it's still wet, sprinkle on some Woodland Scenics Fine Turf. Blend shades to create some tonal variety.



19

Invasive plants like buddleia are a particular nuisance in railway yards. You can recreate this feature using some thicker lumps of Coarse Turf, glued in place with PVA.



20

Now dowse it with well watered-down PVA glue with a few drops of washing-up liquid. Allow it to soak into the base foliage.



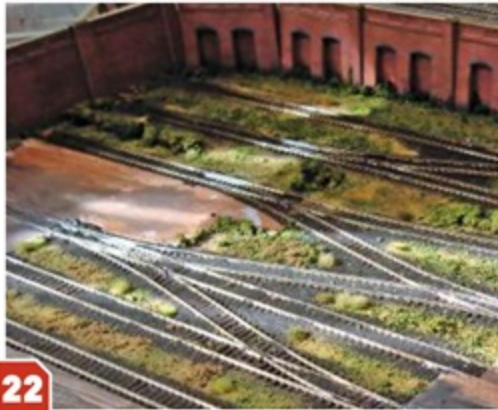
21

Add your finer Woodlands foliage. The glue 'stored' in the base will soak into the newly added material.



22

The white fibre board needs to be coloured. Using brown and black paint, water and a ¼-inch brush, work your way around the site. Avoid creating solid, uniform coverage.



22

I go for black within the sheds and brown in the open areas. Blending the two colours together gives you some very messy depot colours.



TOP TIP

There are several techniques you can use to align the track. You can draw lines on the baseboard or you can use lengths of timber to keep the tracks straight while you tap in the track pins.

Win this layout!

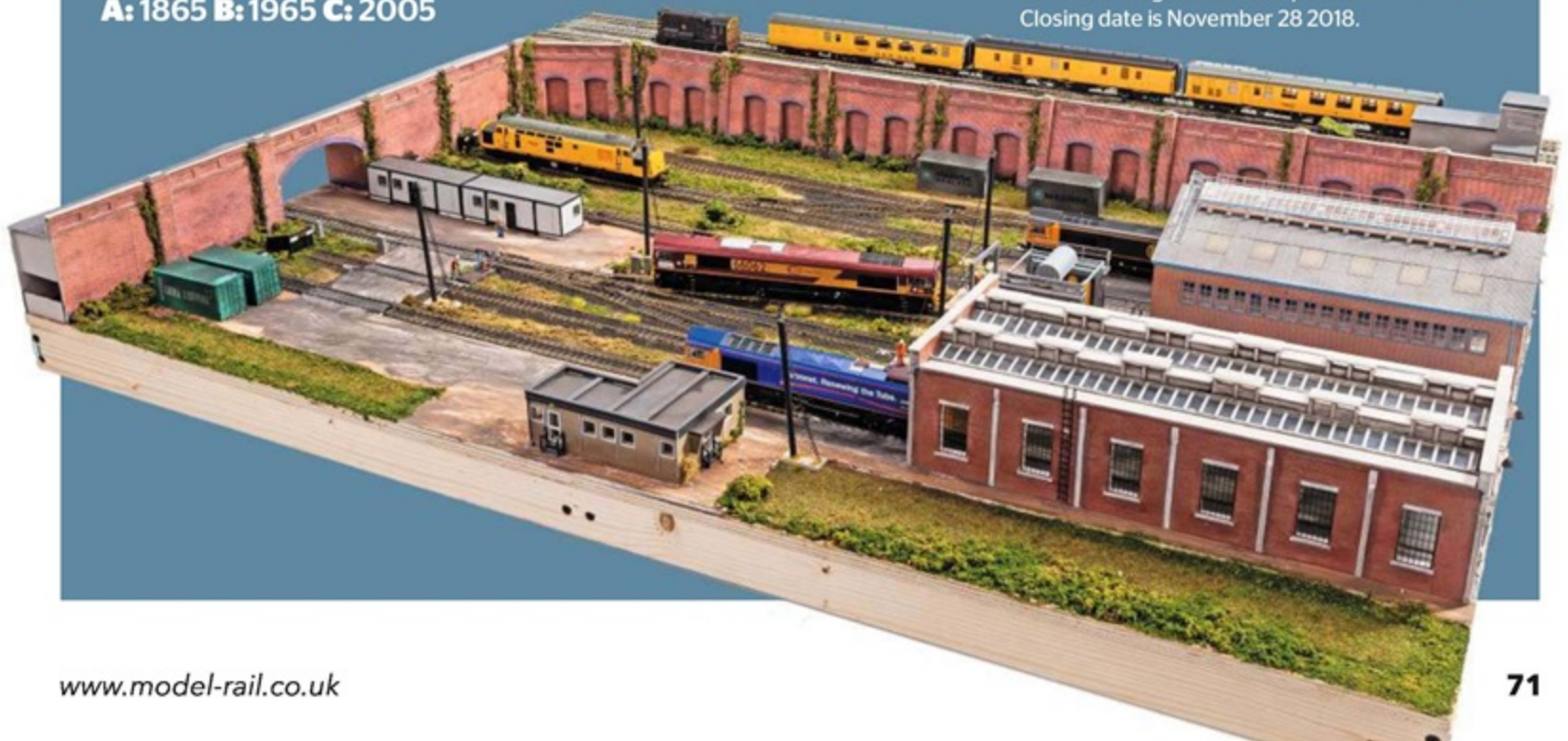
Want to own this depot layout created by Dave Lowery?
All you need to do is go to www.model-rail.co.uk/254-win
and answer the following question:

Q: Wembley is part of the London Borough of Brent.
In what year was the borough formed?

A: 1865 **B:** 1965 **C:** 2005

Don't have the internet? Send your answer, plus contact details, to Layout Competition, *Model Rail*, Media House, Peterborough Business Park, Lynchwood, Peterborough PE2 6EA.

The layout measures 4ft by 2ft 6in and will have to be collected, at your own cost, from the *Model Rail* office. We cannot arrange delivery. *Model Rail* cannot be held responsible for any damage the layout has suffered during its time in storage. Buildings are included but not the trains shown here. For full terms and conditions, visit www.bauerlegal.co.uk/competition-terms.html
Closing date is November 28 2018.



Know your stuff

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



George Dent

MR's Deputy Editor can draw on over 30 years' worth of modelling experience.



Chris Nevard

Our ace snapper and resident folk musician is also a hugely talented modeller.



Peter Marriott

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



Paul Lunn

With a great eye for detail, Paul notices things that most of us take for granted.



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

IS THERE LIFE IN AN OLD 'GRONK'?



I have an ancient Lima Class 08 from the 1980s. The mechanism is hopeless but, as I'm very fond of it, I'd like to give it a new role on my layout. Any ideas?

Dave Gallimore, by e-mail

Paul says: A semi-derelict locomotive makes for an arresting scenic feature, sitting forlornly in the corner of a depot or siding. Plastic kits, such as those offered by Dapol and Knightwing, are easy to modify with their cabs and engine room doors posed open.

However, defunct RTR models can also be modelled in this way, although the doors and panels will need careful drilling and cutting out. If the model is otherwise scrap, there's not much to lose.

There's no need to worry about modelling an engine or other interior details. As the image below shows, you could easily leave the engine bay empty, suggesting that the locomotive has been stripped for spares.

Below: Having been stripped of all reusable components, EWS 08665 makes an ideal subject for a static model. PAUL A. LUNN



ROOF DETAIL FOR MIRRLEES-POWERED CLASS 37



Is there a roof conversion kit available for the Mirrlees-powered Class 37901? Chris Caplin, by e-mail

George says: Many moons ago, A1 Models offered an etched brass conversion kit that covered all six re-engined Class 37/9s. However, that kit has been unavailable for years. Happily, a new (and far superior) set is available from PH Designs, aimed specifically at recreating 37901 *Mirrlees Pioneer* in 4mm scale.

Designed primarily to suit the Bachmann model, I found that it'll also fit the ViTrains '37', albeit with a little extra work. See MR230 for a full installation demonstration.

Availability: PH Designs

Web: www.phd-design-etchings.co.uk



PH Designs offers an etched replacement roof section for the re-engined Class 37 pioneer, 37901.



Heat-shrink tubing is an ideal material for modelling water hoses.

CREATE REALISTIC WATER HOSES



Can Model Rail's experts offer a tip for creating a lifelike water hose in 'OO'?
Martin James, Egham

George says: Flexible water hoses, especially those used in steam days, were often made from rubber or, in some cases, leather. These would hang limp when out of use and, if laid on the ground, would revert to an almost flat profile. Only when water was flowing through it would a hose take on a more tubular shape, in a manner similar to the hoses employed by fire brigades.

When creating hoses that hang vertically or sit on the ground, I usually employ black heat-shrink electrical insulation tube,

preferably without any specifications or branding printed on the outside. It's cheap, freely available and, vitally, it possesses a realistic colour and rubbery texture. As it comes it can be a little rigid but, by holding the edge of a hot soldering iron tip against the material, the tubing can be manipulated into a variety of shapes and profiles that are preserved as the material cools.

The heat-shrink tubing can be painted and weathered as desired, and it's available in a wide range of sizes and colours from electrical suppliers and hardware stores.

Shrinking the tubing over the ends of plastic or metal water pipes creates a secure bond and adds extra realism to water cranes, fuel oil pumps and other liquid storage equipment.

Technique of the month

Modelling overgrown gutters and broken drainpipes.



How can I depict blocked gutters on a derelict house?
H. Marcus, by e-mail

George says: Blocked or faulty gutters and downpipes are often accompanied by staining of the surrounding masonry. In damp climates, these wet surfaces inevitably attract moss and vegetation. We can recreate these effects with a mix of paint and scatter material. LifeColor's Lichens & Moss pack is a one-stop solution!
Web: www.airbrushes.com



LifeColor's Lichens & Moss set offers four acrylic paints and two tubs of very fine foam lichen. The paints are great for creating damp staining, while also acting as adhesives for the lichens.



The paints dry to a translucent finish, allowing subtle effects to be created. Further coats create a more opaque effect. Apply light streaks from broken or blocked gutters and downpipes.



The lichens provide suitable material for replicating vegetation growing from blocked gutters, walls or roofs. Place into the wet paint and allow to dry.

QUICK FIX: FULL-SIZE PLANNING



What's the best method for planning a track layout? I've heard about scaled-down plastic track sections but I'm struggling to visualise what will fit into the available space.
Paul Stuart, by e-mail

Chris says: Scale track sections are available from Hornby, while there are plenty of layout planning software options to explore. However, I prefer to plan my layouts full-size in a very simple way, using lengths of track, a selection of buildings, plus the trains themselves.

Rolls of cheap wallpaper are a handy base to work on or, if you already have a base-board erected or sheets of plywood ready

for cutting, they can be laid out and the plan formulated on top.

Peco's free track and point templates are a great help, allowing you to decide on the exact geometry before spending any money. With a track layout drawn out, we can then push the trains around to mimic the possible manoeuvres, ensuring effective operation. If something doesn't fit or look right, the plan can be easily altered.

We can also gain a clear idea of what will fit where, with the number of carriages or wagons accommodated in a siding or loop, for instance, ensuring adequate clearance for trains on adjacent tracks and at junctions.

Web: www.peco-uk.com



Setting out a full-size track plan, with the aid of Peco point templates, gives a clear idea of what can be fitted into a specific area. CHRIS NEVARD

HOW DO I MODEL A FLOODED FIELD?



I want to include small areas of flooding in one of my fields.

How do I do it?

Mark Rowland, by e-mail

Peter says: Imagine a field in late autumn after a period of heavy rain. In dips and hollows, water gathers and forms a shallow pond. We can represent this by first laying sheets of foam, shaped to form an uneven landscape and painted with Woodland Scenics' Water Undercoat.

This latter product seals and colours the base of the water feature, with six different shades available, each of which can be intermixed to create darker depths in deeper, mid-river sections or lighter shades around shallower shorelines.

Having established the foundations, the entire scene can be covered with various layers of static grass fibres, with some colour variation. Separate, darker green tufts can also be added here and there to add even greater visual variety.

To create the scene featured here, it took five separate layers of Noch's ready-mixed water fluid, applied once a day to ensure the previous layer was completely dry. This patient approach removes any risks of the 'water' drying

cloudy. I was also careful to check that my baseboard was level before pouring on the water, ensuring a consistent coverage and preventing the liquid from dribbling onto the floor.

It's important to read the manufacturer's instructions carefully and adhere to the recommended drying times. I usually prefer to build my water features in the summer months, with drying times being shorter and water products behaving more predictably. Working in a cold, damp environment makes life more difficult, yet it's impossible to rush the drying process – if you pour on another layer of water fluid prematurely, the previous layer may never dry out or, as already stated, there's a risk of the fluid turning cloudy.

After building up several layers, I found that the 'water' spread further than I'd intended it to with each subsequent pour. Accordingly, I decided to model the pond with a central area of still water, surrounded by damp and soggy ground. This was achieved with a sprinkling of Woodland Scenics fine turf, having applied PVA glue in a few key areas.

One alternative to pouring out the water is to use a plastic pipette or syringe to dispense the fluid. This gives you a lot of control over where the water is going, although care is

needed to avoid introducing air bubbles into the fluid. Carefully drag the fluid to the sides of the pond with a wooden coffee stirrer.



Above and below: Noch's Artificial Water is ideal for creating smaller water features, such as ponds or flooded fields.



ANY GAUGE | 4 hrs | 

**STEP
BY
STEP**



1 To create the basic landform on the baseboard surface, Woodland Scenics' foam Modelling Sheets were shaped with a craft knife and built up in layers in order to form a suitable recess for the water effects.



2 To fix the foam sheets to the plywood baseboard - and to each other - I used Woodland Scenics' Foam Tack Glue, spread with a wide paintbrush. Leave overnight to dry fully.



3 The edge of the pond was smoothed with Tamiya fine abrasive paper. This removed any hint of an unnatural 'step' in the foam landscape profile. Clean away any loose debris with a vacuum cleaner.



4 Woodland Scenics' Water Undercoats are currently my 'go to' acrylic paint for painting the base of water features. The Olive Drab shade was employed, applied with a 2in decorator's paintbrush.



5 After applying static grass over the whole area, Noch's Artificial Water was poured directly from the bottle. Its small plastic nozzle makes it easy to control the amount of fluid applied.



6 Build up the Artificial Water over several layers. When cured, PVA glue was lightly brushed on top of certain areas before sprinkling a few different shades of Woodland Scenics Fine Turf.



Flooded fields are a common sight during autumn and winter months.
GEORGE DENT

PHOTOGRAPHY: PETER MARRIOTT

**KEEP THAT
'WET' LOOK**

Over time, the surface of the water may lose its shine or become scratched. Use a Woodland Scenics' Dust Dabber to freshen up the surface of the water, then simply add another coat of the water-effect fluid to restore the sheen.

HOW TO RECREATE AUTUMN LEAF FALL



Do you have any tips for creating realistic piles of fallen leaves?

Mike Hatch, by e-mail

George says: Ready-made miniature leaves are available from a number of sources, either as loose scatter material or formed into bunches to portray shrubs or tree foliage that is dying back.

However, we can also create our own scale leaves, thanks to a wide range of punch tools from Green Stuff World. These natty little tools are offered in a variety of sizes and leaf patterns, either for a single type of tree leaf or multiple patterns.

The leaves are simply punched from any thin material, such as coloured paper or, for unparalleled authenticity, from real leaves, foraged during late summer or early autumn – ideally just when they begin to turn a paler shade. They can then be carefully dried out, which will also preserve their colours.

Aimed predominantly at military and scenic modellers, most of the punches are suited to larger scales, especially 'O' and 'Gauge 1'. However, there are a number of smaller tools that can be employed on 'OO' layouts, with the punches forming leaves only a few millimetres in length. Once bundled up into piles, the exact scale of the leaves is difficult to judge, making choice of tools more a matter of personal taste.

When choosing the leaves (or other materials), punching out a range of different shades, shapes and sizes is important. An overly uniform appearance will appear unrealistic.

While the drying out of the natural material takes time, the punches themselves are incredibly easy to use and offer a highly economical solution, particularly if you intend to create numerous layouts or dioramas in the future.



Above: Green Stuff World offers a range of leaf punch tools, as well as ready-made leaf litter.

What you will need

- ♦ Leaf punching tools
Price: From £8.55 each
Availability: Green Stuff World
Web: www.greenstuffworld.com



Miniature leaf punches are available in a wide variety of shapes and sizes, making the re-creation of recently fallen leaves a simple task.



1

I pruned various leaves from the garden on a dry, late August day. They were laid flat between sheets of kitchen tissue and then pressed inside a large hardback book, with plenty of weight placed on top.



2

After pressing the leaves within the books for a few weeks, in a warm environment, they emerged flat and dry, ready for punching with the special tools. A variety of shapes, sizes and colours were created.



3

The leaves look ultra-authentic, especially when there are multiple shades of natural material. Holding the punches over a small container makes gathering the tiny leaves much easier.



4

The leaves can be piled up and secured with a thin, penetrating adhesive (such as Ballast Bond from Deluxe Materials), applied via a pinpoint applicator. The glue dries clear, without discolouring the leaves.

Tool of the month

Broaches and reamers offer greater precision for small holes

Intended for opening up existing holes, tapered and parallel broaches and reamers are employed after a pilot hole has been drilled slightly smaller than the required diameter. By gently turning the reamer in the hole by hand, the tool cuts the material cleanly and steadily with little risk of deformation.

Furthermore, unlike a drill bit, the cutting pressure is applied to almost the entire circumference of the hole at the same time, thus creating a truly circular aperture.

Reamers can be used with metal, plastic, resin and wood and are great for fettling holes in chassis frames to accept brass bearings or other components.

Use a set of calipers and masking tape to mark out a point on a tapered reamer at the required diameter. The tape then acts as a depth stop, ensuring that the hole is reamed to just the right size.

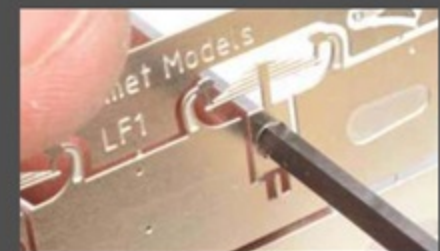
They're available singly or in packs of incremental diameters.

Availability: Eileen's Emporium

Price: From £11.99

Tel: 01531 828009

Web: www.eileensemposium.com



Cyano glue offers a faster option to bonding logs than PVA. A liquid accelerant speeds up the bond further, which is helpful when using slower drying cyano, and allows for adjustment.

AVOIDING GLUE MARKS ON LOG LOADS

I'm making my own loads for a rake of Hornby OTA timber wagons from dried twigs. How do I disguise the glossy deposits left by the PVA glue?

Brian Warburton, by e-mail

George says: A few years back, I treated half a dozen Hornby and Bachmann OTAs to log loads using Hawthorn twigs that had been left in a warm room for a few months to dry out. I'd initially thought of using PVA to bond the twigs together but, being impatient, I plumped for cyanoacrylate glue instead. An odourless formula was

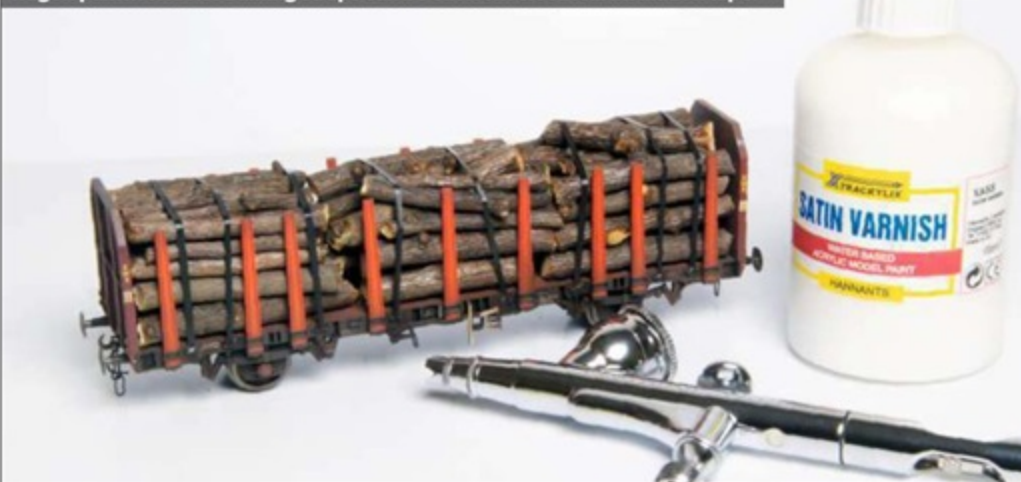
employed, to avoid any staining of the wagon's paintwork and allow a little time for adjustments to be made before the glue cured (about 30 seconds).

The glue was applied with a pinpoint applicator tip and, as much as possible, the glue was applied to areas that would not be visible from the outside.

Some blobs of dried glue did show through, however. Like PVA, the glue dries to a slightly glossy sheen that contrasts with the natural wood bark.

A quick remedy was an all-over coating with clear matt varnish, which rendered the glue stains invisible.

Matt or satin varnish will resolve any problems of shiny glue stains on the logs or wagon paintwork. Restraining straps can be cut from electrical insulation tape.



THREE CAMEO IDEAS FOR YOUR LAYOUT...



1 Rail Rover: Oxford Rail's die-cast 1:76 scale road-rail Land Rover offers a ready-made stationary cameo accessory for modern-era layouts.



2 Liquid delivery: Signal boxes, located out in the countryside, relied on daily deliveries of water from passing trains. In this case, a pair of milk churns have been employed.



3 A room with a view: Adding people to the interior of buildings always adds a sense of realism. Perhaps this young lady is waiting for someone to arrive from the railway station?

Masterplan Dramatic lines

Track plans to get you thinking in three dimensions



**ISLANDS
PART 1**

ISLAND treasures

Two of our largest islands offer the perfect modelling formula – spectacular scenery and rarely modelled railways and stock. **Paul A. Lunn** presents concepts for modelling the Isle of Man and the Isle of Wight.

Artwork: **Paul A. Lunn**

Did you know that there are 187 populated islands in the British Isles? They come in all forms, shapes and sizes, and the influence of Norsemen and Normans is still evident after many hundreds of years.

Rugged coastlines, spectacular heights, remote landscapes and picturesque towns and villages, some of our islands are also complemented by the finest Victorian engineering, leaving a legacy of fascinating railways and tramways.

2018 is a year of anniversaries for two classic

island networks. The Isle of Man's Manx Electric Railway celebrates its 125th birthday this year but, for its near neighbour, 2018 marks the 50th anniversary of the closure of the lines to Peel and Ramsay. Over 300 miles to the south, the Isle of Wight's venerable Class 483 EMUs celebrate their 80th anniversary this year.

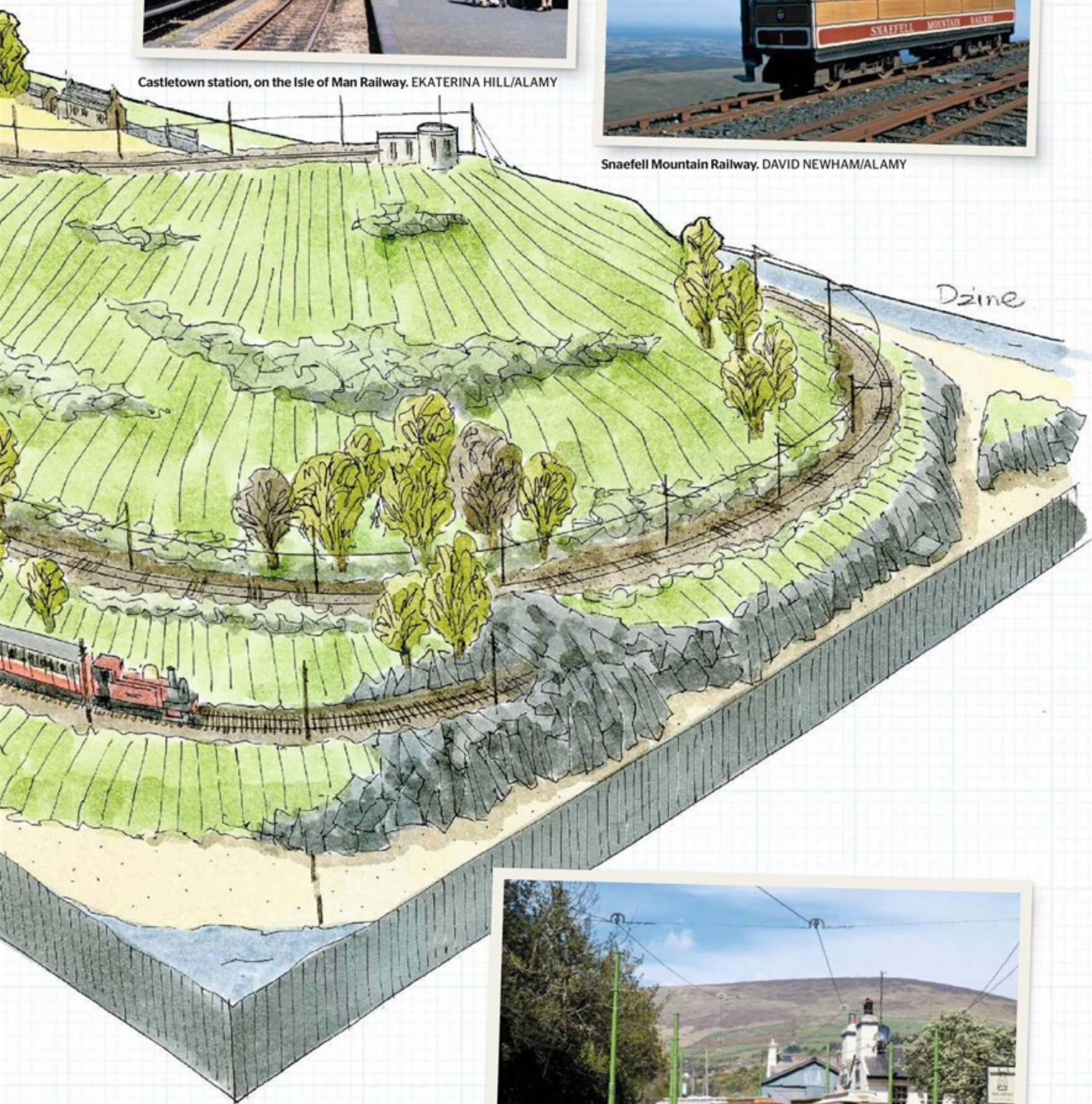
Over the next few issues, I'm going to offer a selection of layout ideas based on some of our most charismatic island railways. We start with both 'Isles of...': the Isle of Man and the Isle of Wight. **MR**



Castletown station, on the Isle of Man Railway. EKATERINA HILL/ALAMY

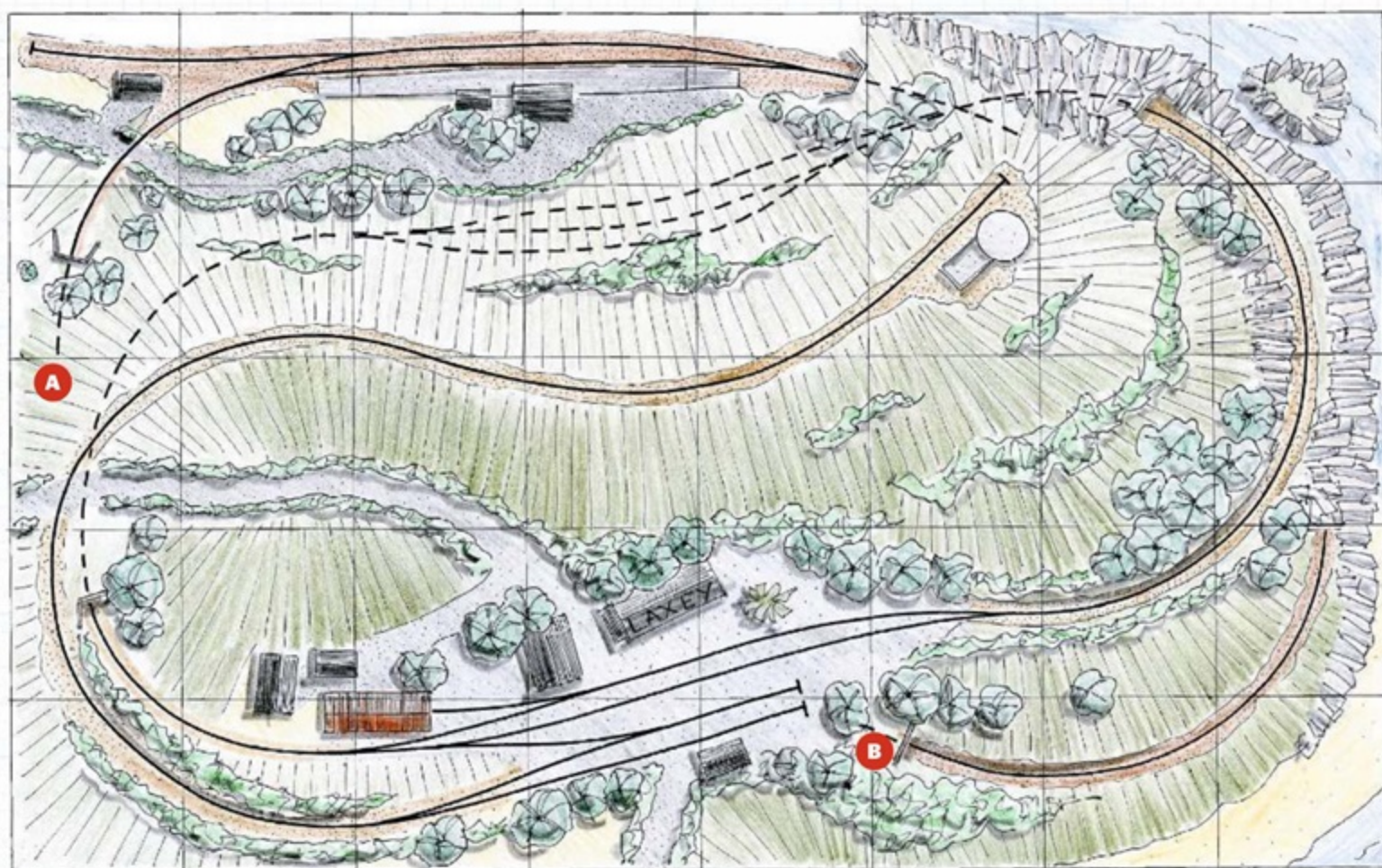


Snafell Mountain Railway. DAVID NEWHAM/ALAMY



Laxey station, on the Manx Electric Railway. REALIMAGE/ALAMY





Isle of Man

This 8ft by 5ft layout is designed to sit in the centre of a room with access all round. It's multi-level and features the Isle of Man, the Manx Electric and the Snafell Mountain railways.

It has hidden, non-scenic sidings, viewed from apertures in the perimeter profile board (those for the MER are under Snafell 'hill' and the steam railway under Laxey station). The climb up Snafell should be as steep as is visually practicable to create a 3D backscene to both sides of the layout.

FACTFILE: ISLE OF MAN RAILWAY

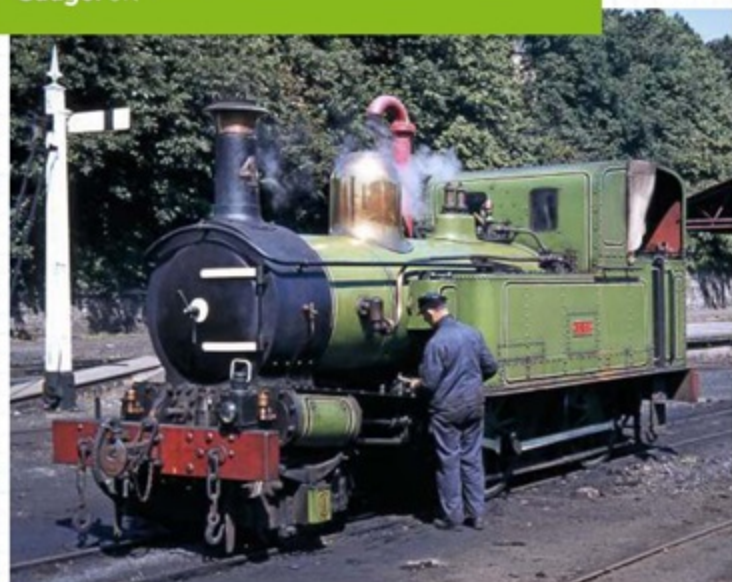
Route: Douglas-Port Erin

Other stations: Port Soderick, Santon, Ballasalla, Castletown, Colby, Level, Port St Mary

Opened: 1873

Mileage: 15½ miles

Gauge: 3ft



Left: The Isle of Man Railway is famed for its fleet of 15 Beyer Peacock 2-4-0Ts. There are myriad detail differences between them. Oxford Diecast offers a non-powered 'HOM' scale model. Of the 15, there are only 12 left on the railway. Nos. 3 and 7 are now based in Britain. No. 14 is privately preserved on the island and No. 2's remains were finally scrapped in 1980. No. 4 Loch is one of the railway's more popular locomotives. It was built in 1874 but rebuilt with a larger boiler in 1909. It's currently under overhaul. PAUL A. LUNN COLLECTION

Right: The Isle of Man Railway is now a thriving tourist attraction, managed by the island's government. I still have a soft spot for its downtrodden appearance in the late 1960s/early 1970s, illustrated in this photograph taken near The Level station. PAUL A. LUNN COLLECTION





FACTFILE: MANX ELECTRIC RAILWAY

Route: Douglas Derby Castle-Ramsey
Other stations: Groudle, Laxey, Dhoon Glen, Ballaglass (plus numerous wayside stops)
Opened: 1893
Mileage: 17½ miles
Gauge: 3ft

Left: The Manx Electric Railway has a fascinating and varied fleet of motor cars, trailers and wagons. It's worth spending some time browsing www.manxelectricrailway.co.uk to get a full flavour of the collection. Car No. 7 was built by G.F. Milnes in 1894, one of a batch of six 'Tunnel cars', while Crossbench Trailer Car No. 48 dates from 1899. Worsley Works and Roxey Mouldings offers scratchbuilding aids and kits, and Oxford Diecast has made a die-cast, non-powered model of 'Winter Saloon' Nos. 19-22. ROBERT HARDING/ALAMY

Right: The ornate, castellated Snaefell Summit terminus building was built in 1902 to replace the original timber structure. Remains of the 1902 building were incorporated into a new station that was built after a fire in 1982. PAUL A. LUNN COLLECTION

FACTFILE: SNAEFELL MOUNTAIN RAILWAY

Route: Laxey-Snaefell
Other stations: Bungalow
Opened: 1895
Mileage: 4½ miles
Gauge: 3ft 6in



Manx Northern Railway 0-6-0T *Caledonia* was used during the construction of the Snaefell Mountain Railway and it visited again in 1995 to mark the line's centenary. A third rail to 3ft gauge was laid and *Caledonia* was thoroughly tested during December 1994. The SMR has a ruling grade of 1-in-12, so DCCconcepts' PowerBase is recommended if you intend to build a layout to such scale steepness. MEL HOLLEY/SR



Isle of Wight

The railways of the Isle of Wight had their own unique style, almost as unique as those of the Isle of Man, despite being standard gauge and part of British Railways. Even today, travelling on the island's railways feels like you've gone back in time by 50 years or so.

The key railway features are well known – the pier, Ryde St John's Road works, the tiny turntable at Bembridge and Ventnor station's tunnel mouth. I also suspect that few will be unaware of how the railway threads its way through the town of Ryde.

Ryde St John's Road works is on the southern edge of the town. Heading north, trains gently snake past the bus garage (curved to follow the line of the railway) before disappearing into Ryde tunnel and emerging just shy of Ryde Esplanade station. The line curves sharply right and the final half-mile to Pier Head station is above the sea. This arrangement has inspired the following concept.

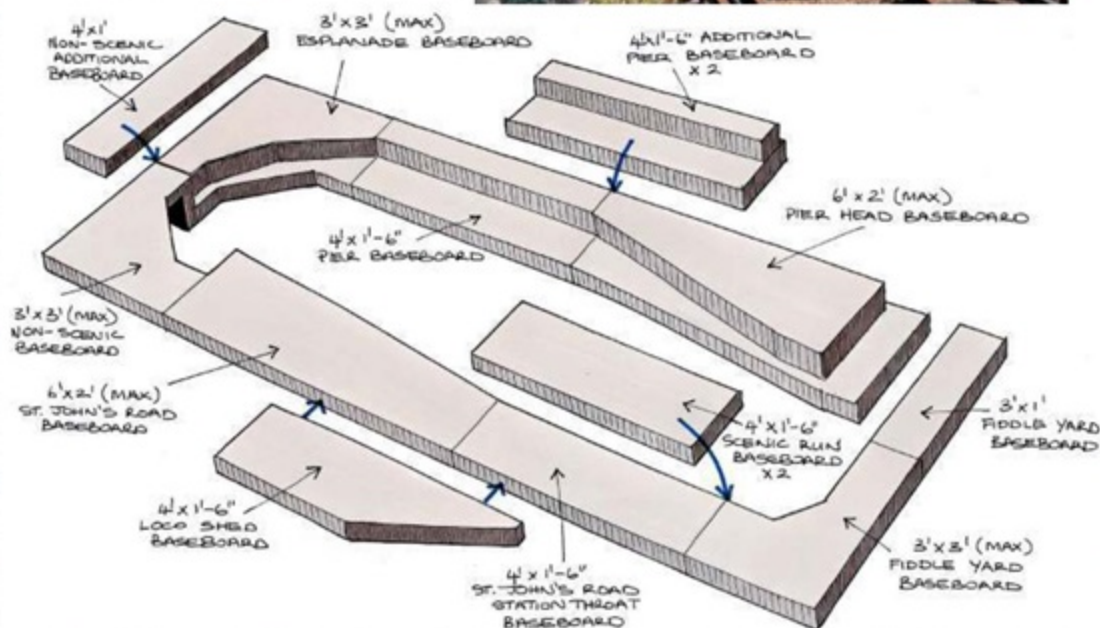
There is no track plan. I've decided to offer a baseboard schematic and a photographic study of the pier for constructional purposes. The dropped baseboard sections enable the dramatic pier structure to be modelled.

The layout is designed to occupy a space of 16ft by 6ft (possibly in an 18ft by 8ft garage). For an exhibition, the layout could be designed to fit in a minimum space of 24ft by 10ft. Wherever possible, boards are matched into pairs for ease of transport and, with a few exceptions, all are 4ft long or less.

Focusing on the railway element alone, I've chosen to omit the tramway and public piers. Those with more space may wish to add either – or both.

Above: 'O2' No. W36 *Carisbrooke* awaits departure from Ryde Pier Head station on July 3 1960. The track in the foreground belongs to the tramway, now disused, as is the second railway track along the pier. R. PATTERSON/COLOUR RAIL

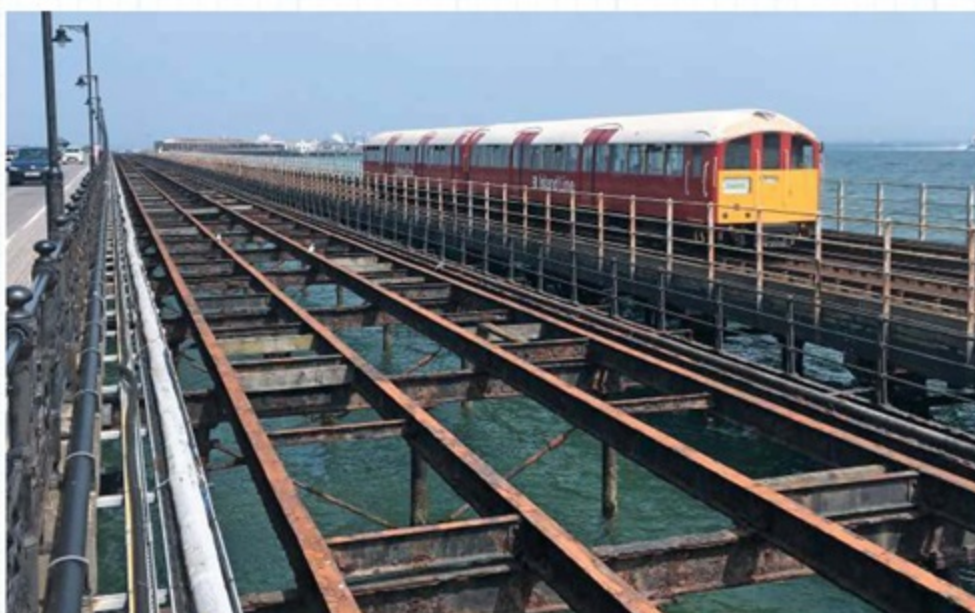
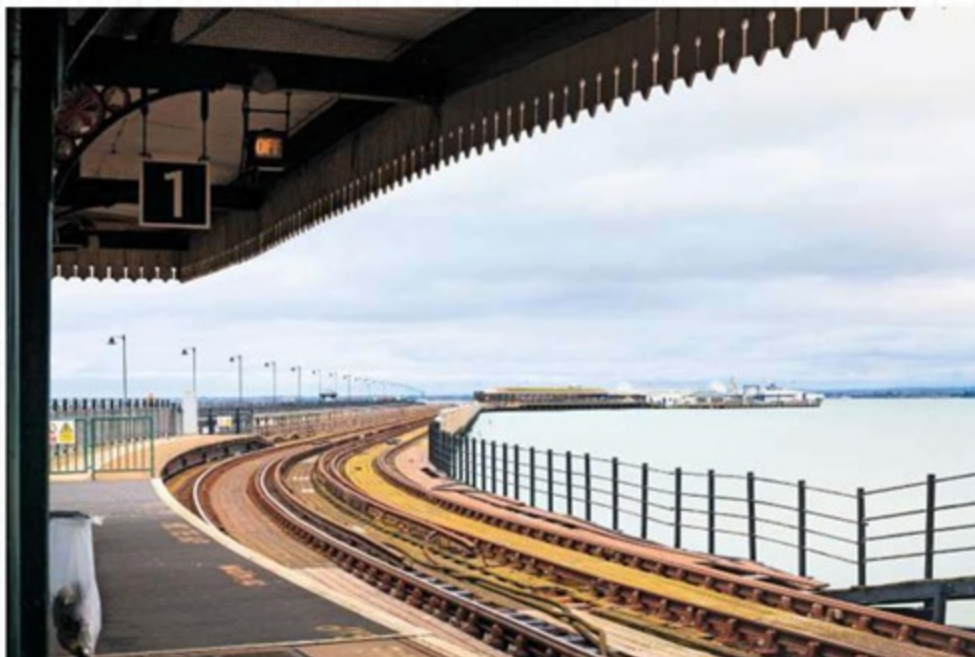
Right: Turning the other way from Ryde Esplanade, the line descends into Ryde tunnel. The trackbed was raised when the line was electrified, which sets considerable limits on the choice of replacement rolling stock. DAVID WHEELDON/ALAMY





Above: 'O2' No. W18 *Ringwood* accelerates away from Ryde St John's Road on August 9 1959. The works buildings are obscured by the impressive signal. COLOUR RAIL

Below: A view from Ryde Esplanade station, looking towards Pier Head. PETER NOYCE GBR/ALAMY



Above: Here's why the railways of the Isle of Wight are so intriguing: nowhere else in the British Isles can you see former London Underground Tube stock running on a pier over the sea! Five two-car Class 483 EMUs (better known as 1938 Tube Stock) are still in service on the island but are possibly going to be replaced by Class 230 EMUs (rebuilt from ex-LUL D-Stock). HOLLY NORRIS

THREE PIERS

There are three piers at Ryde: the foot/road pier of 1814, the derelict tramway pier of 1864 and the half-mile railway pier, which opened in 1880. The latter was jointly funded by the London Brighton & South Coast and London & South Western railways. The railway from Ryde Esplanade south was the property of the Isle of Wight Railway, which also worked trains on the 'joint' pier. ALL: HOLLY NORRIS



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.

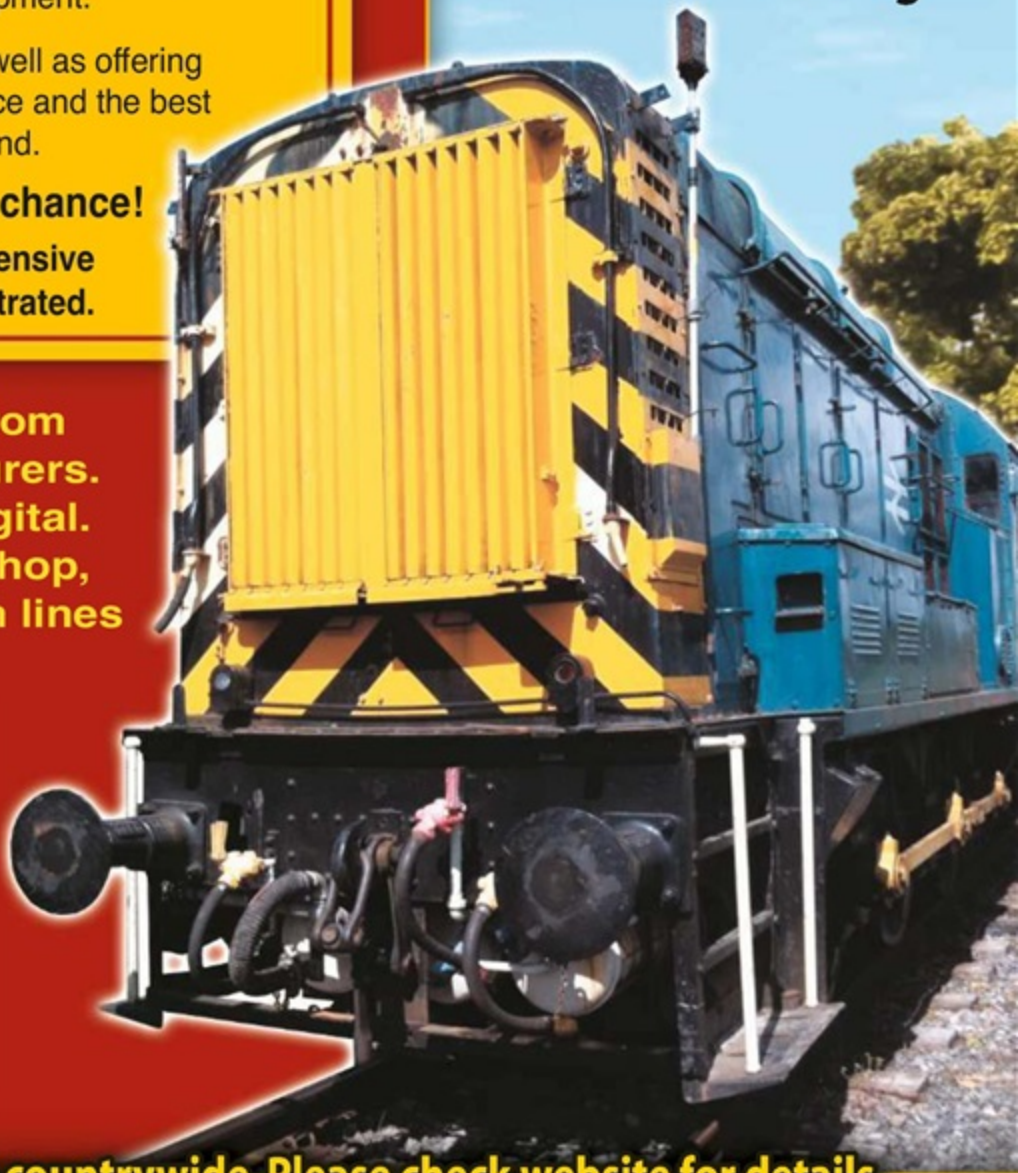
As the first new company to set up as a DCC specialist in the UK, DIGITRAINS now has over 12 years experience to share. Working in all the popular scales, we are here to guide you through choosing the best equipment.

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**



86 Heljan GWR 'Large Prairie'

Richard Foster examines a mammoth 'O' gauge model that comes with its own wooden plinth.



Reviews

In-depth and unbiased reviews of the latest products

90 Bachmann Branchline Mk 2fs

Bachmann's Mk 2f First Open has arrived in the *Model Rail* office and it's bristling with technology.

92 'Dean Goods' - with snowplough

Oxford Rail has done things differently with this 'snowplough' version.

92 MBR's trees and grass mats

Peter Marriott gives us an overview of MBR's range of trees and grass mats.

94 Murphy Models Mk 2s

Murphy Models shows it's going from strength to strength with its impressive Irish Rail Mk 2s.

96 Oxford Rail five-plank open

Paul Marshall-Potter casts his eye over this new open wagon from Oxford Rail.

97 Revolution IZA Cargowaggon 'twins'

Revolution's new 'N' gauge offering lit up our test track and impressed us with its fine details.

Our reviewers

Richard Foster

His forte is steam locomotives, regardless of region or era.

Chris Leigh

Wrote his first review in 1964. Quite simply, what Chris doesn't know isn't worth knowing!

Chris Gadsby

A recent graduate, he tests every inch of models for value for money.

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.





Firebox glow

Heljan GWR 'Large Prairie'

◆ **SCALE** 1:43.5 ◆ **MODEL** Heljan HJ6102 GWR 'Large Prairie' No. 6144, BR unlined black, early emblem ◆ **PRICE** £699.00 ◆ **AVAILABILITY** Heljan stockists

Don't be alarmed when you lift Heljan's new GWR 'Large Prairie' from its box. It may look as though you've received an O-6-OT by mistake, but the pony trucks are in there!

The 'Large Prairie' comes fixed to a wooden plinth. You can see why Heljan supplies the model like this because the plinth's securing screws fix into holes on the chassis that would normally be obscured by the pony trucks.

With the initial shock over, you can now take in what is a really superb model.

It's easy to forget, amid the seemingly endless variations of pannier tanks, that the GWR's mid-sized tank design was just as distinctive to look at and just as useful. As with the panniers,

there were numerous versions of 'Prairie' – that is a locomotive with a 2-6-2T wheel arrangement – to suit different tasks, but all with a common DNA.

'PRAIRIE' PRAISE

Heljan has really captured the look of the 'Large Prairie' to the point that you'd think they've been making 'O' gauge steam locomotives for years. Of course, the Danes' 7mm:1ft scale diesels are already highly regarded, but this is Heljan's first steam model in this scale and it's a cracker, especially when you consider the slightly hit and miss results of its 'OO' gauge steam models.

What we have here is the 2-6-2T introduced by Charles Collett in 1929. Unlike most of its diesel models, Heljan has given

its 'Large Prairie' numbers and has selected five locomotives in the '61XX' series. This batch was introduced in 1931 with boilers pressed to 225lb/sq in for improved acceleration on services from Paddington out to the London suburbs. They were outwardly similar to the '5101' version from two years earlier, so Tower Models offers 'Large Prairie' in the '41XX', '51XX' and '61XX' series.

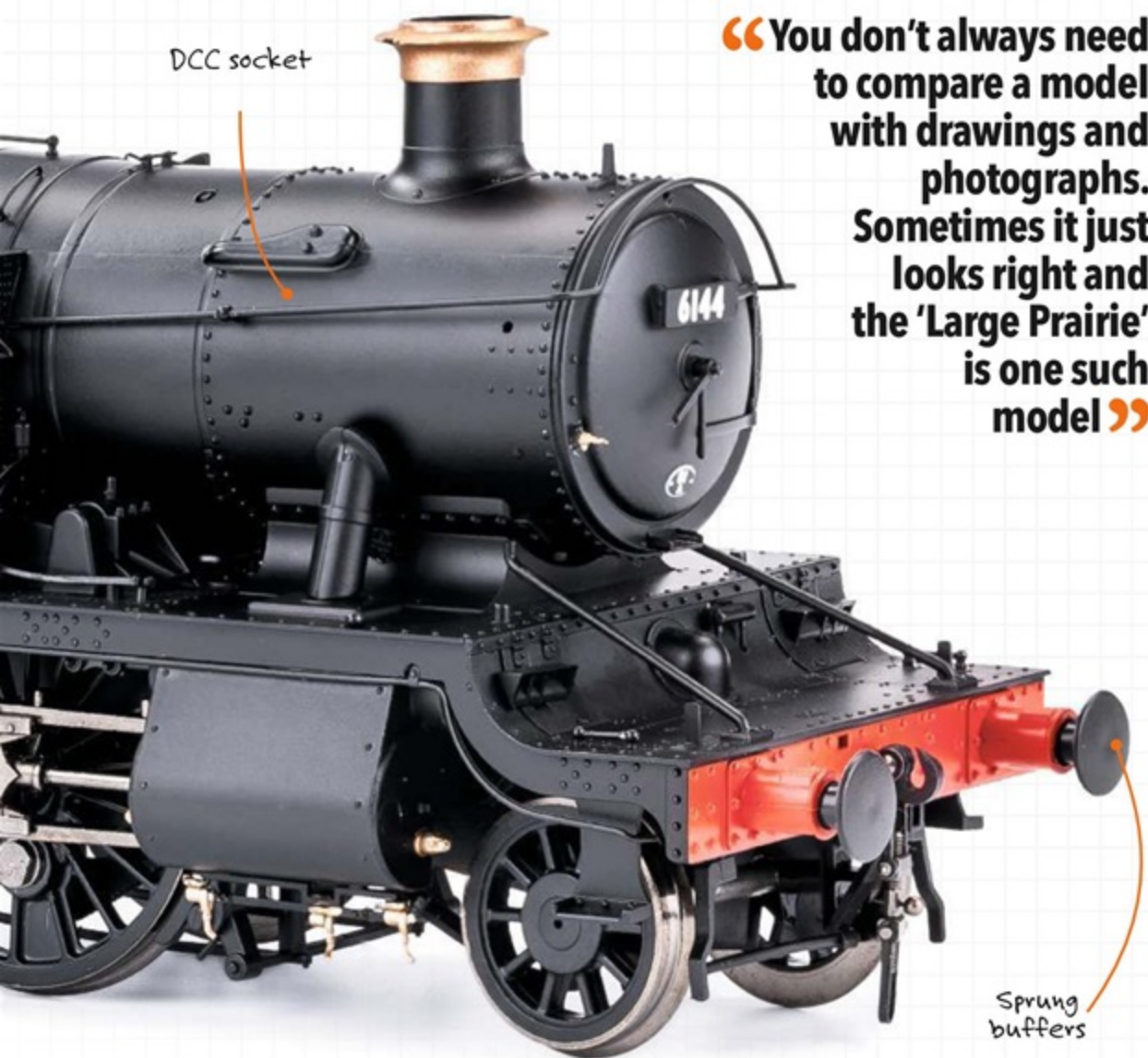
We received '61XX' No. 6144 in unlined BR black, complete with 81A (Old Oak Common) shedplate.

You don't always need to compare a model with drawings and photographs. Sometimes it just looks right and the 'Large Prairie' is one such model. The 'face', the lines of the tanks, the curves of the bunker – it looks

spot-on from every angle. Heljan has clearly done its homework too, for No. 6144 features the correct combination of details, although a photograph of No. 6144 at Old Oak Common in 1956 also reveals that the model lacks the trip-cocks that the real thing had for working on London Underground. The model also appears to lack the tank-top lubrication system.

LOOKS THE PART

There's a good blend of separately fitted and moulded parts. The cabside shutters are moulded but are very convincing. The only place where this doesn't work is on the tank tops, where the lifting eyes look rather crude. Given the work quality elsewhere, these details are a little disappointing.



“You don’t always need to compare a model with drawings and photographs. Sometimes it just looks right and the ‘Large Prairie’ is one such model”

This model has so many good points that it’s difficult to pick out particular highlights. The driving wheels are very effective, the rivet detail is crisp, the screw couplings look as though they actually screw, the cab is well detailed, with doors in fixed, posed positions, and even the cylinder release valves have been modelled.

The ‘Large Prairie’ isn’t perfect however, as there are one or two small problem areas. The base of the chimney should extend further around (to align with the leading washout plug) and the connecting rod should fix to the back of the crosshead, not *behind* it.

There’s not a lot you can do with BR unlined black, but Heljan’s ‘cycling lion’ is well rendered and the cabside numberplates are actually pretty good for plastic (etched brass would really add a touch of finesse). The smokebox number is also particularly good, although the numbers appear to be very slightly stretched. Only the brass, copper and brown wood finishes are a little toy-like.

DCC is an area where Heljan’s ‘O’ gauge diesels have, traditionally, been somewhat problematic in that you had to hard-wire the decoder in place. The electronics were arranged

to make this as easy as possible, but it did mean that you had to break out the soldering iron.

The ‘Large Prairie’ has a decoder socket in place, which is designed to accept the ➤

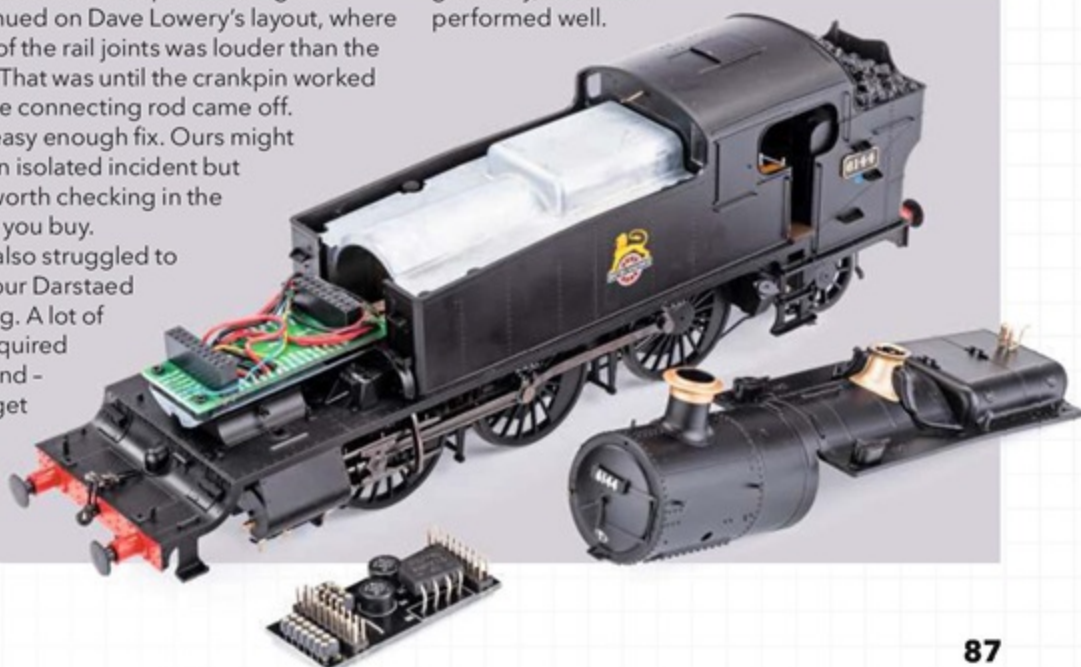
Performance

It’s probably no surprise that, on the small office test track, No. 6144 was smooth and quiet straight from the box. The promise of good things continued on Dave Lowery’s layout, where the clicking of the rail joints was louder than the locomotive. That was until the crankpin worked loose and the connecting rod came off.

It was an easy enough fix. Ours might have been an isolated incident but it might be worth checking in the shop before you buy.

No. 6144 also struggled to get Dave’s four Darstaed Mk 1s moving. A lot of wheelslip required a helping hand – literally – to get it moving. But once on the go, the ‘Large

Prairie’ coped well. Stopping and starting with this average load left a little to be desired but, generally, No. 6144 performed well.



3 things we like



1 Cylinder release valves are a neat touch.



2 The cab roof ventilator slides.



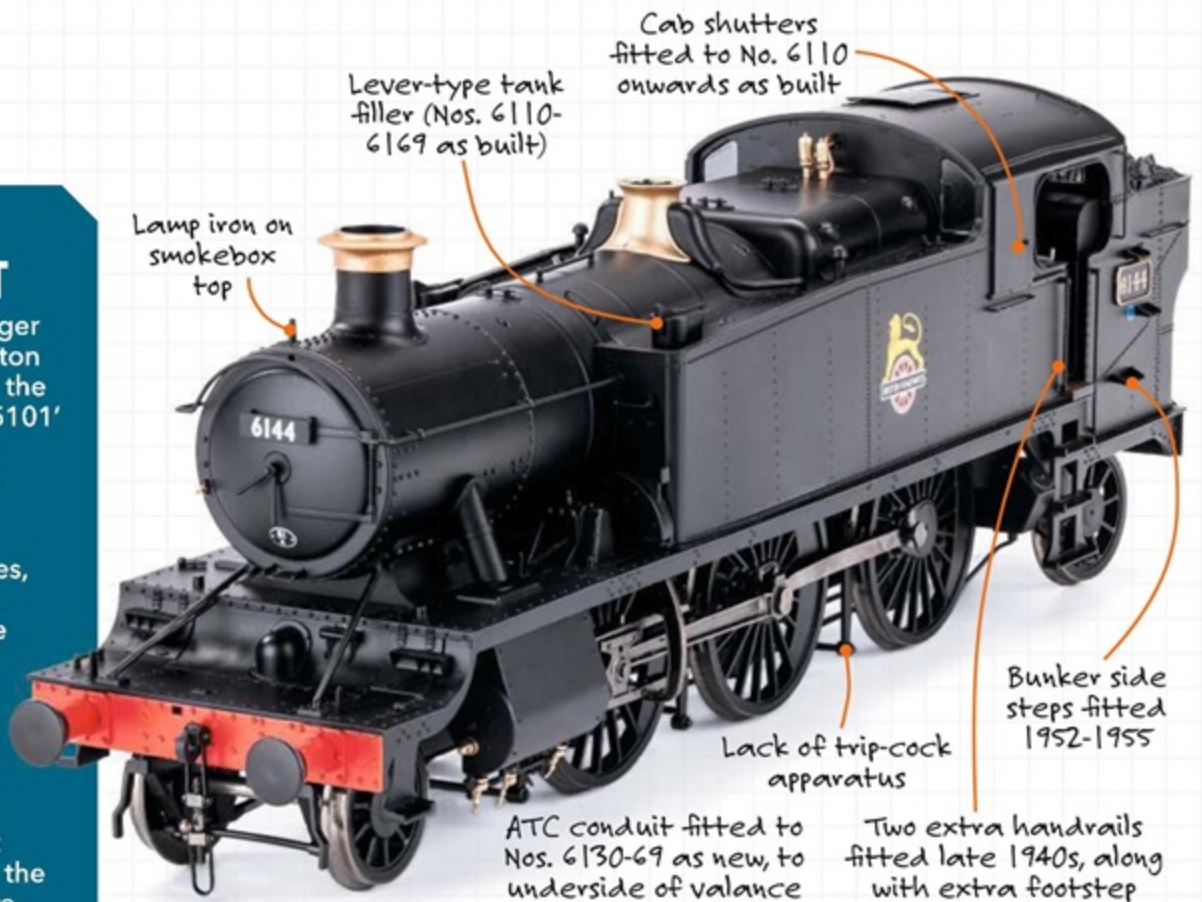
3 The cab is of a standard you’d expect on a modern model.

Factfile: GWR '61XX' 2-6-2T

Increasing demand for passenger services from London Paddington through the Thames Valley led the GWR to build a version of its '5101' 2-6-2T with a higher pressure boiler for greater acceleration, as it didn't have the money for electrification. It built 70 at Swindon Works in three batches, between 1931 and 1935.

Known as 'Tanner Oners', the '61XX' 2-6-2Ts were initially concentrated at sheds from Old Oak Common in the east to Didcot in the west and as far north as Oxford. This lasted until DMUs broke their monopoly on West London services, with sheds in the West Midlands, Gloucestershire, Somerset and South Wales receiving examples. The final 15 '61XXs' were withdrawn in December 1965. No. 6106 is displayed at Didcot Railway Centre.

No. 6144 was built at Swindon and went new to Old Oak Common on December 17 1932. It spent 1935 being passed between Old Oak and Slough, but it was back in West London by November 1935. It called Old Oak home until January 1960 when it went to Southall, followed by spells at Kidderminster, Oxford, Worcester and Aberdare. It was withdrawn from Aberdare in June 1964 and was scrapped by Birds of Risca.



1: No. 6144 is in immaculate condition outside Swindon Works on April 9 1961. It lost its BR black and 'cycling lion' emblem during this overhaul and returned to Oxford shed in unlined green with the 'ferret and dartboard' on its tanks. R. PATTERSON/COLOUR RAIL

2: A fine portrait of No. 6144's classmate No. 6150 in the early 1930s. It has the cabside shutter but the bunker steps would not be fitted until the 1950s. The Underground trip-cock hangs down between centre and rear driving wheels. There's no step on the top of the motion bracket. STEAM RAILWAY COLLECTION

3: '61XX' No. 6106 was one of the first locomotives to be saved by the Great Western Society. It led an eventful preservation career, including breaking the main line steam ban in 1967, but now enjoys a peaceful retirement on display at Didcot Railway Centre. It still retains some early '61XX' fittings, including the screw-down tank filler lids. JOHN HENSHALL/ALAMY



RECOMMENDED READING

- ◆ *A Pictorial Record of Great Western Engines Vol. 2* by J.H. Russell (OPC Railprint)
- ◆ *Churchward Locomotives* by Brian Haresnape and Alec Swain (Ian Allan)
- ◆ *The Locomotives of the Great Western Railway Part 9* (RCTS)
- ◆ *Locomotives of the LSWR* by D.L. Bradley (RCTS, 1967)
- ◆ *The Prairie Papers No. 2* by Ian Sixsmith (Irwel Press)



LokSound XL V4.0 decoder, with its two banks of pins (does that make it a 38-pin decoder?). You can use the ESU 51959 adapter to use other, non-sound decoders.

ACCESS DIFFICULTY

Decoder access is arguably the 'Large Prairie's' biggest issue. You need to remove the front pony truck, then remove the five screws indicated in the instructions before prising away the handrails, steampipes and front bracing bars.

Once you've negotiated all this, you have to spread the tank sides apart and pull the smokebox forwards to reveal the decoder socket. Sounds easy, doesn't it?

It's certainly easier to describe than it is to do. The handrails and steampipes are tight-fitting and removing them requires some force. Handrail knobs disappeared across our workbench, never to be seen again (hence why they're missing in our photographs), and it was impossible to avoid chipping the paint on some components.

Reassembly requires care, patience, some glue and a few choice Anglo-Saxon phrases.

Given how easy Heljan's 'OO' gauge '47XX' was to dismantle, it's a shame that its larger cousin couldn't have been similar.

The '61XX' is a wonderful model. It really captures the essence of these big GWR tanks, plus it's refined and has the feel of a quality product.

Its biggest issue is the difficulty in accessing the DCC socket, which shouldn't be an issue if you're not a DCC user.

The 'Large Prairie' shows a lot of promise for 'O' gauge steam, and 'O' gauge GWR steam in particular. Bring on the '43XX'! (RF)

REVIEW VERDICT

PROS. Good looks, attention to detail, shape, finish.

CONS. Access to DCC decoder is really difficult.

LOOKS 9
PERFORMANCE 9
FEATURES 9
DECORATION 9
VALUE FOR MONEY 9

90%



286mm



88mm



62.3mm



HELJAN GWR 'LARGE PRAIRIE'

OVERVIEW

Manufacturer: Heljan A/S
Ref. No. HJ6102
Unit No. 6144
Scale/gauge: 1:43.5 scale, 32mm gauge 'O'
Body: Plastic with metal parts
Chassis: Metal with plastic parts
Weight: 1,555g
Min. curve radius: 1,028mm
Wheel back-to-back: 29.3mm

ELECTRICS

Electrical system: 12V DC two-rail
Motor type: Five-pole skew-wound
Lights?: Firebox glow
DCC ready?: LokSound V4.0 socket
Current consumption
Max. speed: 0.5A Stalled: 1.8A

MECHANISM

Drive system: Gear train to rear axle
Flywheel(s): Yes
Traction tyres: No

DIMENSIONS

Length (over buffers) 41ft 0in 290mm 286mm
Height (over chimney) 12ft 5 1/4in 88mm 88mm
Width (over footplate) 8ft 11 1/4in 63mm 62.3mm
Wheel diameter (driving) 5ft 8in 41mm 39.6mm
Wheel diameter (leading pony) 3ft 0in 21mm 22.1mm
Wheel diameter (trailing) 3ft 8in 27mm 24.7mm

SERVICING

How to dismantle: See instructions.
Where to oil: Factory lubricated; instructions suggest further lubrication after running in.

System builder Other items to complement this model...

COACHES

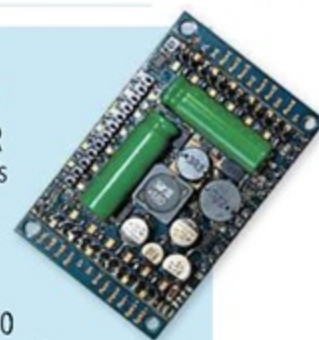
Dapol's Collett non-gangwayed coaches are ideal partners for the '61XX'. Price: £225.25
Availability: Dapol stockists or www.dapol.co.uk

SCENERY

Recreate a West London steam shed using Townstreet's 'Loans Act' shed and coaling stage. Price: £115.00 Availability: www.townstreetuk.co.uk

DECODER

Bring Heljan's 'Large Prairie' to life with LokSound's 54599 XL V4.0 Large Scale Decoder. Price: £182.67
Availability: DCC Supplies
Web: www.dccsupplies.com





Bachmann Branchline Mk 2f coaches

◆ **MODEL** Bachmann Branchline 39-650DC Mk 2f First Open E3418, BR blue/grey ◆ **PRICE** £79.95 ◆ **AVAILABILITY** Bachmann stockists

Some manufacturers will make compromises to help reduce costs.

Bachmann set out its stall last year (MR238), saying that it would produce the best and most innovative models possible but that, in a manner of speaking, you'll be buying a Rolls-Royce at Rolls-Royce prices. Don't expect Rolls-Royce quality for the price of a Kia.

The new Mk 2f range has been, arguably, one of the most eagerly awaited models from Bachmann. But as engineering prototypes revealed last summer suggested, they would also benefit from Bachmann's new philosophy.

Mk 2f First Open E3418 arrived in the *Model Rail* office and, as promised, it's bristling with technology. But more on that later... Let's start with how it looks.

The Mk 2f is a very different beast to the Mk 2a, which forms Bachmann's current Mk 2 family. The air-conditioning equipment is a readily identifiable change, but the Mk 2f was built around the Mk 2b body, introduced in

1968. These were longer (66ft over the body ends rather than 65ft 4¼in) and the doors were built into the ends.

Air-conditioning ended the use of ventilators in the windows and the resulting large, uninterrupted glazing made the Mk 2f a very modern-looking coach, particularly when the blue/grey livery was freshly applied.

Bachmann's Mk 2f really captures the style of a new Mk 2f coach. The model compares very well with photographs and drawings in Michael Harris' *British Rail Mark 2 Coaches: The design that launched InterCity*.

The ends are beautifully captured, featuring a blend of curving lines from the roof and sides (the latter also feature moulded door hinges). There are no vents along the roof and the clean lines are interrupted only by the evaporator vents and access panels (with separately fitted handles).

The side vents over the doors are all present and correct too, and the gutters are nice and subtle. The roof panels were subtle on the

real things, but Bachmann has elected to model the Mk 2f with a completely flush roof.

End handrails are also wire. Door handrails are moulded but are so good that, at first glance, they also appear to be separately fitted components.

CLEARLY SUPERIOR

The glazing is excellent throughout. The windows are flush and there's no prismatic effect. They really show off the interior, which comprises simple moulded boxes to represent tables and moulded chairs. Harris' book describes the typically tasteful 1970s colours used for First Class: orange seat covers, ginger and orange carpet, hessian bodyside panelling and white end bulkheads! The only detail lacking from Bachmann's model is the hessian – it was blue.

The underside of the Mk 2f was in complete contrast to the clean lines

elsewhere on the vehicle. There is a mass of battery boxes, brake gear and vacuum tanks, and the air-conditioning equipment.

Our review sample depicted First Open E3418. It was fitted with Temperature Ltd air-conditioning equipment, and Bachmann's attention to detail even extends to the correct single-fan unit on the underside. Those vehicles fitted





“They may not be cheap, but these Mk 2fs are some of the best ready-to-run ‘OO’ gauge coaches ever produced”

with Stone's equipment are easily identified by the twin-fan units. All the underbody equipment is really well moulded and, equally important, it feels secure!

E3418 rides on 'B4' bogies, which Bachmann has modelled well. The brake blocks are aligned with the wheel treads and the springs and dampers are picked out in red and blue paint. The only downside is that from some angles you can see the shiny metal contact strips that feed power from the wheels (on isolated axles) to all the electronic gubbins inside.

BR's blue/grey livery is well produced and has a pleasing lustre. The white lining between blue and grey is crisp, as is the yellow 'First Class' stripe above the windows. The Inter-City branding, the '1' on the doors and the coach numbers all appear to be of the correct weight and typeface. The lettering on the ends is all present and correct and all but the smallest lettering is legible to the naked eye (it's all legible under a magnifier!). Photographic evidence online suggests that the gangway doors ought to be a shade more yellow to achieve the distinctive 'putty' colour.

The Mk 2f weighs in at 174g. It performed well on our test track and coped well with tight sectional pointwork, even at speed. NEM coupler pockets are fixed on the usual sprung cam arrangement, now found on most modern coaches. There's one thing to bear in mind though: on our sample, the coupling height on the Mk 2f

worked well with Mk 2as but was much lower than Bachmann's Mk 1. This could be problematic if you want to include a Mk 1 catering vehicle in your train.

But what of the technology mentioned earlier?

FIRST CLASS FEATURES

Some may find a recommended retail price of £79.95 per coach a little high, but consider this: the Mk 2f features nearly everything you'd find on a locomotive. It just doesn't have a motor.

For a start, it comes DCC-fitted. That's right, there's a DCC decoder inside the coach to control the lighting. You can switch the saloon lights on and off at the touch of a button. You can, if your coach has them, control the central door locking side lights too.

Each coach also comes with tail light. Fibre optic strands carry the red light through to a socket at each end. Inside your 'bag of bits' - again, akin to a locomotive with bufferbeam pipes, electrical

fittings and dummy couplings - you will find little oil lamps or modern battery lights. These press into the sockets so you're not stuck with a lamp that you can't remove.

The best bit is that you don't have to have DCC to enjoy these lighting functions. On analogue, the interior lights will get brighter depending on track voltage and the tail lights will activate depending on direction of travel. There's also a switch underneath so you can change to a constant red for an oil lamp or a flashing one for a modern battery unit.

Bachmann will undoubtedly take stick from some who feel that features such as these are unnecessary on a coach. They may not be cheap, but these Mk 2fs are some of the best ready-to-run 'OO' gauge coaches ever produced - the fact that they're bristling with technology is just the icing on the cake. Top marks to Bachmann. We can't wait to see the DBSO version... (RF)

Factfile: 3418

First Open E3418 was part of Lot 30845, that was built at Derby Works between April 26 1972 and February 1 1973. It went new to the Eastern Region, where it worked until it was converted into a Buffet Open First. It returned to service as number 1219 and was finally withdrawn by CrossCountry.

RECOMMENDED READING

◆ *British Rail Mark 2 Coaches: The design that launched InterCity*, by Michael Harris (Mallard Communications, 1999, ISBN: 9781898432487).

3 things we like



1

Lettering and detail on the ends.



2

Attention to detail on the air-conditioning unit.



3

Plug-in oil or battery lamps.

REVIEW VERDICT

PROS. Attention to detail, shape, lighting features.
CONS. Some minor colour issues, otherwise nothing.

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

91%

'Dean Goods' - with snowplough

◆ **GAUGE** 'OO' ◆ **MODEL** Oxford Rail OR76DG005 'Dean Goods' 0-6-0 No. 2534, GWR unlined green with snowplough ◆ **PRICE** £119.95 ◆ **AVAILABILITY** Oxford Rail stockists or www.oxforddiecast.co.uk

Sometimes, it's good to do something a bit different. Oxford Diecast and its Oxford Rail arm like 'different' and have a decent track record of offering slightly more unusual models, such as Land Rovers with railway wheels, or its forthcoming rail-mounted gun.

You might think that there's not much you can do with a Victorian 0-6-0, but Oxford has decided to offer its 'Dean Goods' - with snowplough!

We've dealt with Oxford's 'Dean Goods' before (MR240 and MR244) so we don't need to say much more here. Needless to say, No. 2534 looks pretty effective in its unlined GWR mid-chrome green with Great Western lettering on the tender. Like the proverbial curate's egg, the 'Dean Goods' is good in parts but it has a few flaws, which previous reviews have highlighted.

The bit that we're interested in here is the snowplough.

Cynics might have imagined Oxford offering a locomotive with a snowplough that's no good for anything else. Or it might have offered the 'plough with a corresponding increase in

the retail price. But full credit to Oxford for doing neither.

BUFFER OPTION

The RRP is just £7 more than a standard GWR 'Dean Goods'. What's better is that Oxford has supplied No. 2534 without the buffers fitted. The snowplough is designed to press into holes in the bufferbeam. If you don't want to run the locomotive with the 'plough, you can remove it and, as they're supplied in the 'bag of bits', push the buffers in place, fix the tension lock coupler in its



MBR trees

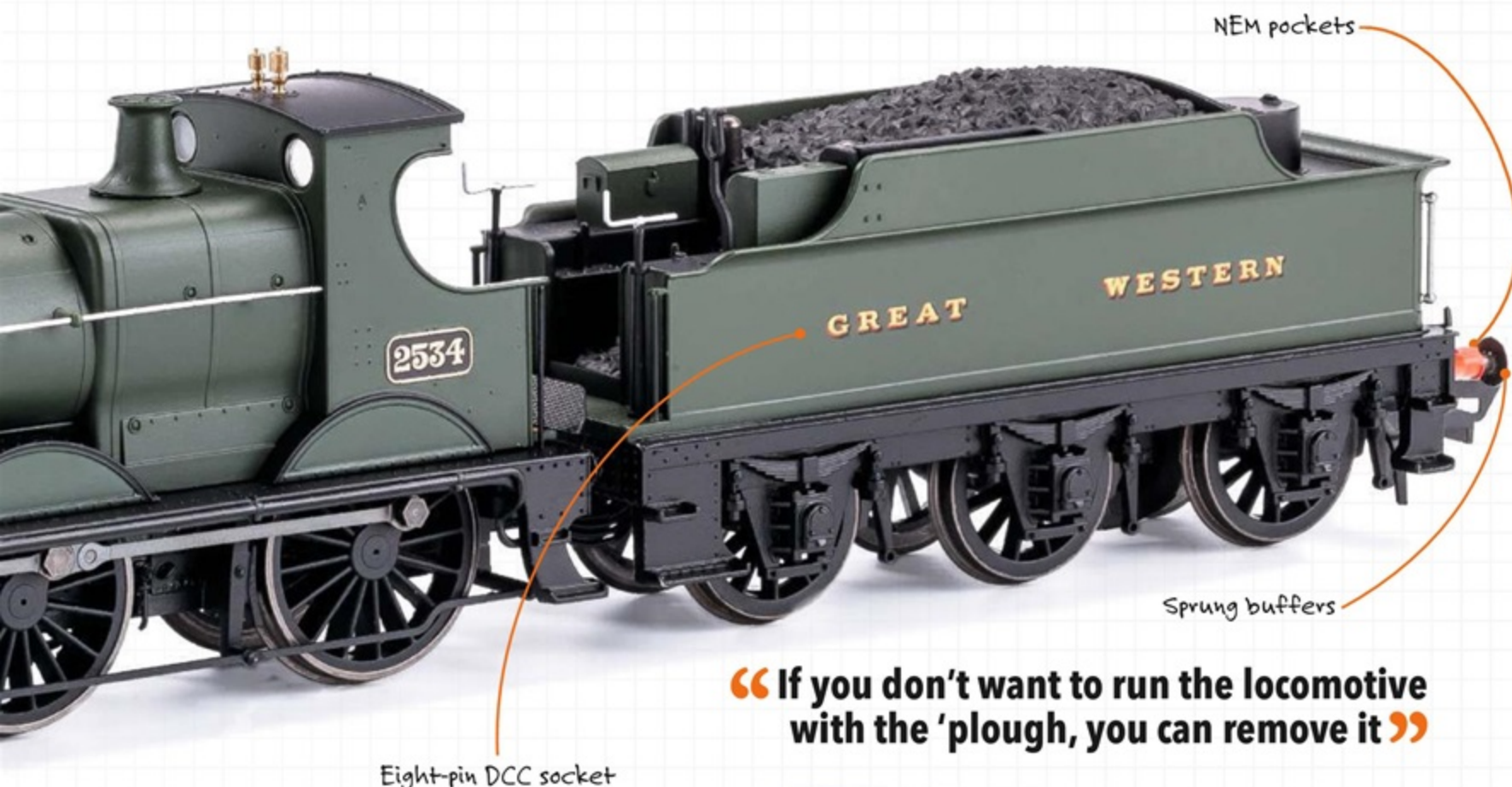
◆ **GAUGE** 'OO' and upwards ◆ **PRICE** between £11.95 and £23.95

◆ **AVAILABILITY** A&H Models, 95 High Street, Brackley, Northants NN13 7BW, 01280 701410, www.aandhmodels.co.uk

I first saw MBR's range of trees and grass mats at Nuremberg Toyfair and was immediately impressed. Now they're available from my local model shop. MBR's exquisitely produced

trees, bushes and mats are scenic accessories for those wishing to go the extra mile in realism. Both coniferous and deciduous trees are available in different heights (shown here are the 14cm beech and 15cm larch). Each comes





“If you don't want to run the locomotive with the 'plough, you can remove it”

NEM pocket and use No. 2534 like any other locomotive.

The 'plough is a simple plastic moulding. Those looking for 100% prototype fidelity will question the lack of taper to the sides, the lack of point and the undernourished deflector plates on top, but it conveys enough of the outlandish look of the prototype to feel convincing.

The accompanying photograph also reveals that the model still retains the connection to the vacuum brake 'swan neck' and lacks the side mounting equip-

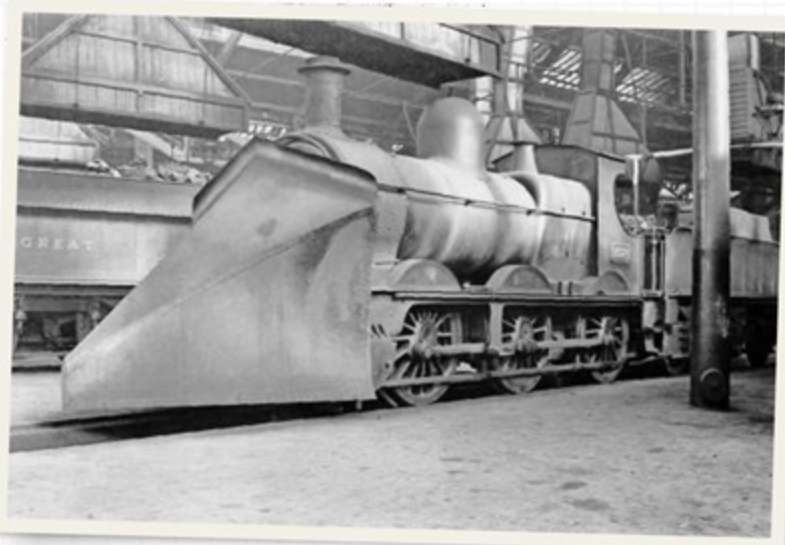
REVIEW VERDICT

PROS. Perfect for those who want something a little different.

CONS. Shape of plough, some compromises.

ment. To include such detail would have involved a costly re-tool.

Overall, top marks to Oxford for offering a cost-effective solution and giving us something just that little different. (RF)



The handsome lines of 'Dean Goods' No. 2534 are spoilt by a carbuncle of a snowplough inside Swindon shed in 1934. MICHAEL MORANT COLLECTION



well packaged in a plastic tube.

The bark effect varies, depending on the type of tree, and the leaves on each look very effective. Look out for the copper beech tree - it's one of the most



realistic trees I've ever seen.

These are great-looking models that will elevate the look of any layout. Even just one in the foreground will make a scenic statement that others will comment on. (PM)

“These are great-looking models that will elevate the look of any layout”

REVIEW VERDICT

PROS. Beautifully detailed, well priced.

CONS. Nothing of note.



Murphy Models Mk 2s

◆ GAUGE 'OO' ◆ MODEL See text ◆ PRICE £49.50 ◆ AVAILABILITY Murphy Models stockists

Isn't it funny how times change? Given that the only available air-con Mk 2 in 'OO' gauge used to be the old Airfix Mk 2d, Murphy Models' Mk 2s were a revelation when they appeared in 2010.

It's somewhat strange timing that just as Bachmann's Mk 2fs have arrived, so has a new batch of Murphy Models Mk 2ds. Will the Mk 2f take on the mantle of 'Best air-con Mk 2'? The answer has to be 'yes', for the Mk 2f benefits from eight years of continual development in model railway manufacturing – but the Irish Mk 2s do give the newcomer a run for its money.

We received five Irish Mk 2ds for review: First 5102, Composite 5152, Dining Cars 5402 and 5408 and Generator Van 5605, all in CIÉ orange and black.

The shape compares very well with the new Bachmann model. Glazing is excellent and side and end handrails are wire (those on the roof are moulded). The ends are perhaps not as crisp as the Bachmann model and the fit and finish isn't as slick. The gutters and roof ribs appear heavier than the Bachmann models, but this reflects a slight distinction between British and Irish Mk 2s.

The first batch of CIÉ Mk 2s suffered from the orange being a touch overpowering. It's pleasing to report that the finish is now more prototypical. Some weathering, particularly a thick oily black for the EGV roof, would bring out the best of these models.

Sticking with the EGV, it's fascinating to see the attention Murphy Models has paid to getting the detail correct in areas such as the roof and underframe. Immediately noticeable are the access panels for the diesel engines, the underslung fuel tanks, ventilation grilles and roof grilles. And look out for the separate handrails by the guard's door.

IRISH IDIOSYNCRASIES

Almost as important is the Restaurant Standard, which again has bespoke bodysell and interior toolings. The unusual arrangement of doors and windows (to British eyes at least) has been accurately captured, as has the extra detail on the roof above the kitchen.

Our only minor quibble with these models is the depth of the saloon windows, which appear to be a fraction smaller than photographs of the original would suggest. However,

even these are very neatly modelled, with riveted outer frames surrounding pin-sharp silver frames and the smoked flush glazing.

The excellent 'B4' bogie tooling from Murphy's Cravens coaches has been used here too, paired with free-running metal

wheels and axles. Tension lock couplings are fitted in NEM pockets on sprung self-centring arms.

MINOR GLITCH

This was the one sticking point with our review samples. The coupling mount had come loose





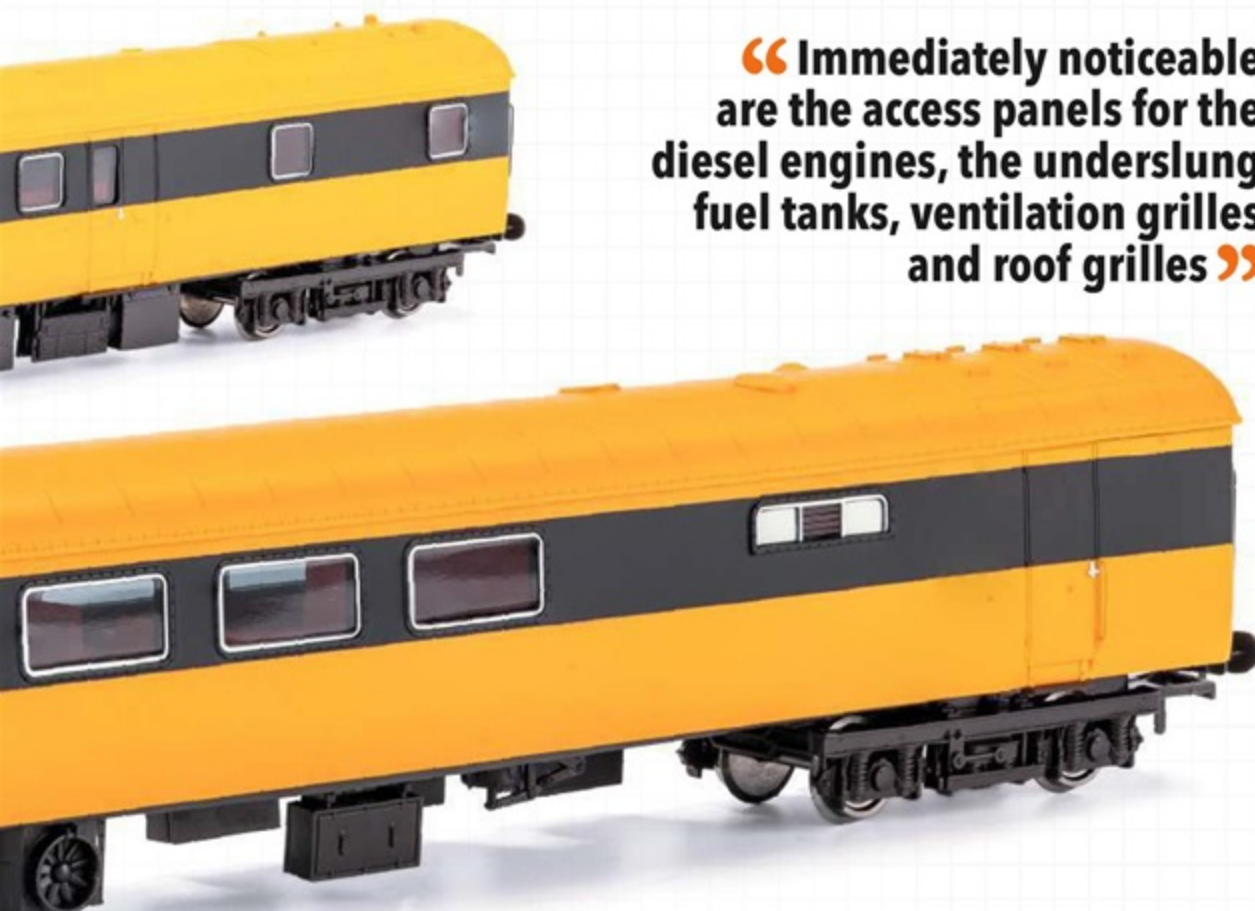
in four out of the five coaches, but it was an easy fix to push them back into place. We managed to trace a persistent derailment issue with one vehicle to an incorrectly fitted axle.

Once these niggles had been rectified these coaches performed superbly on our test track, coping with challenging radius pointwork and R1 curves at speed - and

even being propelled through them at speed.

It's good to see that eight years after they first appeared, Murphy Models' Mk 2s can still cut the mustard. Recommended. (RF)

“Immediately noticeable are the access panels for the diesel engines, the underslung fuel tanks, ventilation grilles and roof grilles”



Factfile: Irish Rail Mk 2s

British Rail Engineering Ltd received its first export order from Córas Iompair Éireann in 1970. CIÉ ordered 73 Mk 2 coaches on 5ft 3in gauge 'B4' bogies. The coaches were based on the Mk 2d bodysell but were fitted with the air-conditioning system to be used in the Mk 2f.

The Mk 2s became known as 'AC Stock' and comprised six Firsts, nine Composites, 36 Standards, 11 Kitchen Cars and 11 Electric Generator Vans. The part-completed Mk 2 coaches, along with 22 Mk 1 Generator Vans, were shipped from Harwich to Dublin, where they were fitted out at Inchicore Works.

Iarnród Éireann, the CIÉ rail subsidiary formed in 1987, bought 16 ex-BR Mk 2a/b/c coaches in 1990. They were overhauled and fitted with IE's 380V heating system but remained otherwise unchanged from their BR condition. These vehicles were withdrawn in 2003 but the 'AC Stock' remained in service until 2008.

Three 'AC Stock' coaches have been preserved by the Railway Preservation Society of Ireland at its Whitehead base, including former First Open 5408, which had been rebuilt as a Presidential saloon.

REVIEW VERDICT

PROS. Looks, attention to detail, decoration, interiors.

CONS. Coupling fitment, window size.

LOOKS	9
BUILD QUALITY	8
FEATURES	9
DECORATION	9
VALUE FOR MONEY	9

88%



Oxford Rail five-plank wagon

◆ SCALE 'OO' ◆ MODEL Oxford Rail OR76MW5001 RCH 1923 five-plank open, T. Bowler livery ◆ PRICE £10.95 ◆ AVAILABILITY Oxford Rail stockists or www.oxfordrail.com

This is Oxford Rail's latest release – a five-plank open wagon to the Railway Clearing House's 1923 standards wearing the livery of South West London coal merchant T. Bowler.

The RCH was originally formed to deal with commercial revenues, and subsequently established various design standards which enabled independent manufacturers, as well as railway companies, to build rolling stock to a common set of standards. These standards covered leading dimensions and braking equipment.

Oxford's new wagon matches the RCH 1923 dimensional data with an accurate scale 9ft wheelbase. It scales up to measure 16ft 6in over headstocks, with a width of 8ft.

The body moulding is crisp and the details such as ironwork and bolt heads well formed, and with no tooling marks. The sides and ends of the wagon are commendably thin and, internally, the sides have basic structures to represent the side door aperture and a wooden floor represented by planking correctly oriented across the body.

Within the wooden floor there are two sets of drop doors. These would be unusual in a 1923 five-plank standard design wagon, being far more common to the higher sided RCH types.

The buffers are of an RCH type, but a little on the lightweight side. At one end the buffers, incorrectly, have a set of lugs that prevent the wagon floor end boards moving. These lugs aren't required for a wagon where no end door is fitted.

The model makes use of Oxford Rail's 9ft wheelbase chassis, previously used under its seven-plank coal and coke wagons. Axle boxes are a representation of the RCH oil-filled type with five leaf springs suitable for this weight of wagon. The brake gear is well represented and features a particularly effective open brake lever guard. While the axles are very free-running, the split-spoked wheels were uncommon on a 1923 wagon.

Couplings are standard tension lock types in an NEM socket. Overall, it's a good model of a 1923 RCH standard five-plank wagon. However, the only concern is the livery, which is applicable for wagons built prior to 1923. The builder's plate on the solebar and other associated labelling suggests that this is a 1903 wagon from Hurst Nelson of Motherwell, with a repair plate from the Wagon Repairs Company Ltd.

Ian Pope of Lightmoor Press was able to provide data relating to both T. Bowler and a livery drawing dated 1933 for a Bowler five-plank end-door wagon. The typeface looks correct, however the spacing of the main lettering and wagon top is incorrect.

On the model the lettering blocks are too closely spaced and the main lettering too tall. These discrepancies may have resulted from the fact that Oxford Rail has access to different reference material but, as the dates on the livery indicate, I suspect we're using the same source.

The livery application is excellent, however, the printing is clear and the white is opaque. The internal wagon colour is a warm plain brown colour and evenly applied.

It's a good representation of a 1923 RCH Standard five plank wagon, but it's let down by the incorrect livery with the use of a pre-1923 colour scheme. (PAUL MARSHALL-POTTER)

◆ Thanks to Ian Pope and Jim Snowden for their assistance with this review.



REVIEW VERDICT

PROS. Overall shape, chassis detail, price.
CONS. Livery not suitable for 1923 wagon, door/floor compromises.

LOOKS	8
BUILD QUALITY	9
FEATURES	8
DECORATION	7
VALUE FOR MONEY	9.5

83%

Revolution IZA Cargowaggon 'twins'

◆ **SCALE** 'N' gauge ◆ **MODEL** Revolution Trains 2101 IZA 'twins', Cargowaggon livery original; 2102 IZA 'twins', Cargowaggon livery, revised

◆ **PRICE** £49.50 (£55.00 for flashing light pack) ◆ **AVAILABILITY** Revolution Trains stockists

You know, there are times when the model manufacturer's technical ingenuity leaves you lost for words. The Bachmann Mk 2f, with its plug-in tail lamps, is one such example. But weeks after the Mk 2f arrived, along comes Revolution Trains' new IZA ferry van 'twins' and they also have a flashing tail lamp.

The lack of space within the IZA means that Revolution's electronics are much simpler. But simpler doesn't mean worse, and the flashing red light is very effective when running round a layout.

If you've ordered the version with working lights you get two button batteries which need to be installed. International restrictions mean that the batteries can't be factory-fitted, but it's not a problem - the body just pulls off. Slot the batteries into place and there's a small switch underneath to activate the flash.

You might think that you have to pay through the nose for such

technology, but a pair of 'twins' with the flashing light feature is just over a fiver more. You really can't argue with that.

Cargowaggon of Frankfurt ordered 100 four-wheel ferry vans from Duewag for traffic between Britain and Europe in 1986. They were permanently coupled into pairs to maximise capacity. Revolution has modelled the batch with slightly overhanging roofs and lightening holes in the end stanchions.

The shape looks pretty much spot-on when compared with prototype photographs.

Overall, the model creates a favourable impression, although the roof ribs could, arguably, be a little more pronounced.

The good looks are complemented by some very fine details - the end handrails are fine wire and the end steps are very delicate etched parts.

CHOICE OF THREE

Revolution offers its IZA in three liveries: original Cargowaggon, revised Cargowaggon and one

with Perrier branding. Received for review were twins in original and revised Cargowaggon liveries.

The differences are subtle - revised livery includes yellow axleboxes, yellow ferry lashing hooks and white end handrails. Paint application is good and the printing is excellent, with all but the very smallest lettering legible under a magnifier.

NEM pockets are held in sprung cams. Both vehicles come with a Rapido knuckle coupler at one end and a moulded representation of a screw coupler at the other. You'll need to remove one coupling (it acts as a spare) and then flip the wagons over to gently couple them together.

Despite their long wheelbase, the IZAs performed well on our test track's R2 curves and Setrack points, even at speed. The bodies are designed to just lift off, so if you plan to run a lengthy train you can easily remove the internal weights to reduce the strain.

As Revolution only produces models to order you can't buy them direct from its website any more. However, a small quantity was - at the time of writing - still available from Revolution stockists. If you want a pair, you'll need to act fast as they're unlikely to hang around for long. (RF)



REVIEW VERDICT

PROS. Flashing light, looks, fine detail.
CONS. Nothing of note.

LOOKS	9
BUILD QUALITY	9
FEATURES	9.5
DECORATION	9
VALUE FOR MONEY	9.5

92%



The club room

Be a part of the *Model Rail* community - get involved today.

E-mail: theclubroom@bauermedia.co.uk



The guest chairman

Mickleover Model Railway Group's Club Secretary **Steve Gibbons** guides us through the club's history and current activities in this month's Club Room.

Society: Mickleover Model Railway Group

Chairman: Glenn Daniel

Established: 1968

Location: Mickleover, Derby



Funds are needed to restore MMRG's club rooms. You can help by buying one of its limited edition Class 37s (inset).

The St Johns (Mickleover) Model Railway Group was founded in 1968, after several fund-raising exhibitions at St Johns Church in Mickleover.

This was to be the club's home for over 20 years. It involved sharing the church hall once a week, alternating with the other activities taking place. In those days, a club night consisted of dragging out partially constructed layouts on trolleys from under a stage. This arrangement was hardly ideal and, as you can appreciate, progress was slow.



In the early 1990s, a building became available to rent from the local council that offered us the luxury of having our own clubrooms - a prefabricated building of former school classrooms, dating back to the late 1940s. Our members at the time refurbished it and this has been our home ever since. Some years later we were able to purchase the building from the council.

Once in our new home we were able to make quicker progress on our layouts and have additional club nights each week. During this period, we constructed layouts in 'N' and 'O' gauge, including our recently retired (and now sold) flagship layout 'Farkham', which has been seen all over the UK. Currently in the clubroom we have a permanent layout, 'Duffield', which depicts a four-track main line in 4mm 'OO'. This covers an area of 36ft by 10ft. Our layouts that go out to exhibitions include 'Warner Street' in 7mm 'O' gauge, 'Derwent Valley' in 2mm 'N' gauge and 'Hillandale' in 4mm multi-gauge. We also have 'Western Hills', a small 2mm layout that's still in the construction stage.

As our premises are now 70 years old, with a leaking roof and poor insulation, a decision was made in late 2016 to replace the roof and bring the building up to modern standards. This required large sums of money. To finance this the club has, with assistance from Bachmann, commissioned a limited edition Class 37 - 37114 in 'Large Logo' blue with Highland Rail branding. Only 512 were produced and this arrived in August. As a follow-up to this, a Bachmann BR Mk 1 BG in



engineers' yellow with black chevrons from Eastfield depot has been commissioned, and we're planning another locomotive after that. Hopefully this will raise sufficient funds to allow the clubrooms to be rebuilt.

The club also runs two very successful exhibitions each year. The main event is the Derby Exhibition, held at The Roundhouse in May. This is a showcase for many of the current high-quality layouts on the circuit, brought together in an historic railway building. Our other exhibition is the local show, held each year in the Mickleover Community centre, next to the clubrooms. This show features mainly club layouts and a few of our members' exhibits, and enjoys support from local businesses.

The club has grown over the years to around 80 members. We now have four dedicated club nights on Monday, Tuesday, Wednesday and Friday evenings, from 1930 to 2200. These are well attended, with some members attending four times a week!

Address: Mickleover Community Centre, 36 Utttoxeter Road, Mickleover, Derby DE3 0DA
E-mail: mmrg3@mmrg.org.uk

Web: www.mmrg.org.uk

Membership fees (per annum):

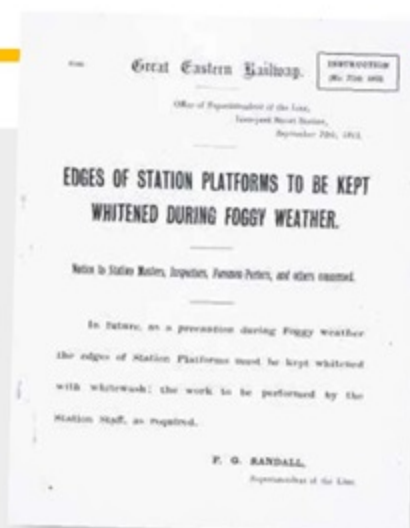
Adult: £24, Family: £36, Weekly: £4

Letters

On the right line

Paul Goldsmith, by e-mail

In MR252, on page 63, Chris Leigh states that platform white-lining was a wartime black-out measure. That may be so, but the GER had been white-lining platforms since 1913 – a little before both world wars!



Allan will be sorely missed

Bob Brown, by e-mail

I bought the September edition of *Model Rail* (MR252) last week and was devastated to read in your editorial about the passing of Allan Downes. Like thousands of other *Model Rail* readers, I marvelled at his boundless skills. The buildings he created were crafted to a fine art and left me completely transfixed and bewitched. He will be sorely missed by the modelling fraternity and I hope in the future that *Model Rail* will produce a special publication showing the skills and creative work of this modelling genius.

Show us how it's done

Dan Hull, by e-mail

I recently dusted off the *Model Rail* Videos and started re-watching them. I must ask, will there ever be a number 18? If there is, then how about this for a suggestion: on Video 2 there is a section filmed at the old Graham Farish factory showing how the models were made. I'd really love to see an updated version of this sort of thing for Farish or Bachmann.

Many modellers find the length of time between announcement of a model and its arrival in the shops too long, and I'd really like to see a video that shows

the entire process, from end to end.

It would be great to see the selection process of which model to make, the research, and how real locomotives and rolling stock are measured. It could feature the CAD design process, how the pre-production samples are made, then production in China, shipping to the UK and distribution from the warehouse to the model shops, right to the point they end up on a layout.

I have a feeling this could give many modellers a much better insight and help them understand what goes into their models.

Fix for the Airfix

Bryan Simmons, e-mail

In his review of the Hornby RailRoad '14XX', Richard Foster mentions that his Airfix version ran very badly. If you

have tried all else, cut the traction tyres off. With six-wheel pickup it runs quite happily, and the slotted rims cause no problem on Peco Code 100 track.

Etch of the seat

Graham Worsnop

I have just read Paul Lunn's article in MR252 and noticed the Furness Railway 'Squirrel' Seats in the photo of Grange station. Etches for these seats are available for 4mm and 7mm from the Cumbrian Railways Association, and can be sourced via their website: www.cumbrianrailways.org.uk/furnessseats.php

Transferable idea

David Church

I would like to second the idea in Mark Collier's letter of MR251 for manufacturers to leave running numbers off models and supply transfers, or just a note of fonts, sizes, suitable running numbers/shed codes and so on in the packet (in case the transfers 'go off' while on the shelf!).

Present your case

Your opinions on the Lancashire & Yorkshire Railway 0-6-0, proposed by P.J. Boyde in MR252. www.facebook.com/modelrail



Wide usage, lots of liveries, a well known preserved example. It's solid 'yes' from me!
Olly Edwards

Yes, definitely! The locomotive in 'OO' would really fill a giant hole in the RTR market for those who are looking to run a great L&YR goods locomotive.

Jamie Bennett

Definitely. With the Bachmann 2-4-2, you have the nucleus of a Lancashire & Yorkshire Railway branch line layout, and it's an obvious complementary model for the Hornby 'Pug'.

Tom Wright

Very strong case, as they were long-lived, the last carrying the BR totem and electrification flashes. I have the 'C' – now I'm just waiting for the body and tender.

Keith Wallace

Definitely! Such a long-lived design, from pre-Grouping right up to nationalisation. Ideal for shunting sidings or running a small branch line. With both Hornby and Bachmann turning their attention to the pre-Grouping designs, I imagine it won't be long before we see one.

George M. Howard

I would prefer a Cambrian or LNWR 0-6-0, but the Lanky 0-6-0 would be great.

Ken Jones

An extremely long-lived and useful class of engine. Built like a battleship, reliable and easy to maintain, this class ended up all over the LMS network in the North and lasted well into BR days. It's the reason why the L&Y got such sterling service out of them. I reckon they would sell – no question.

Iain Kirk



Show & Tell

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

Man on a mission

Trevor Moss

I have made a diorama called 'Mission Possible' which I use to raise funds for the Midlands Air Ambulance. Inspiration to build the model and use it to support this most worthy cause came to me when I realised the excellent die-cast model of the Midlands Air Ambulance sold in my local Air Ambulance charity shop appears to be close to 'HO' scale.

My finished model depicts the Midlands Air Ambulance attending a fictitious scene in a cutting, where a Freightliner train has derailed. A Class 90 locomotive is lying on its side, having brought down two sections of catenary, but allowing just enough space for the air ambulance crew to make a precarious landing and take the injured driver away for treatment.

Comments at exhibitions have ranged from 'wow, this is something different!' to words of appreciation for the air ambulance service. Many visitors make donations or purchase an



item of official Midlands Air Ambulance merchandise, which carries the service's motto 'Mission Possible'.

I will be displaying my model at this year's Warley Exhibition at the end of November.

● See page 13 for more information about the Warley Exhibition.



Exclusively Model Rail

John Linkins

I read with great interest the article relating to 'Canute Road Quay' (MR242). A small group of volunteers who also help to operate the Middleton Railway in Leeds decided to develop their sales stand into a functional model railway. 'Middleton Estate and Colliery' was the outcome. It took around 18 months to complete, in between other projects.

It features both a *Model Rail* Bachmann 'USA' No. 36 in NCB livery (modellers' licence has been used for it to be working in Yorkshire) and an NCB Sentinel, which I acquired around two years ago.

Now I just need a good excuse to buy a 'J70'!



Tramway treasure

Scott Gould

I was very happy to see the Sentinel 'Y1' being produced, as the Kerangshire Tramway in northern Victoria, Australia, used one for a number of years.

In common with most Australian modellers, 'HO' is my scale of choice, and the small size of the locomotive is a reasonable fit with the rest of my rolling stock. I've fitted it with brass and styrene cowcatchers, removed the BR emblem, reduced the bufferhead diameter and have modified some Kadee couplers for operational reasons (I've removed them for the photograph).

I just have some weathering with pastels and dry-brushing of paint highlights to finish and it'll be ready to go.

Alternative Exchange

Murray Lonergan

This is my 'Chapel Street' layout. It represents what could have been if Exchange station in Manchester had not closed. It is a city centre layout that includes Victoria bus station and Salford goods yard and station.



Caption that pic!

You've been busy on social media coming up with barmy suggestions to caption the photograph that featured in last month's issue. The reader that made us chuckle the most was **John Schmitz**, so congratulations! This month we want you to caption this picture from Callum Willcox's layout 'Amiens 1918'. Keep an eye on our social media pages for more pictures to caption - but remember, it's just for fun!

Last month's responses

"This new ring road system isn't going quite how I expected..."

Alan Cooper

"Meet the contenders entering the first annual vintage destruction derby. No restrictions, no insurance, no problems!"

Paul Dixon

"Looking around him, Jimmy the House realised he'd arrived at the wrong party."

Euan Laidlaw

"Plot twist: Herbie falls in love with a sentient traction engine."

Jaimie Short

"Who nicked the turntable?!"

Simon France



What's going online?

Model Rail TV

We hope you enjoyed having a nose around Chris Leigh's creations in last month's video. This month is the final part of the series as we explore his 'N' gauge layout of 'Staines West'.

Visit our Facebook page: www.facebook.com/modelrail

YouTube: <https://youtu.be/S4C8R6v2ZUw>

Go to: www.youtube.com/c/ModelRailMagazine





Exhibition Diary

What's on in your neck of
the woods this month

OCTOBER 27

AMERSHAM, BUCKS. Classic Model Train Show. St John's Methodist Church Hall, 60 Woodside Rd, Amersham HP6 6AN. **Time:** 1030-1700. **Admission:** Adult £4, Child £2, Family £10. **Tel:** 01895 672251.

BIRMINGHAM. Birmingham MRC MRE. Arden Hall, Water Orton Rd, Castle Bromwich B36 9PB. **Time:** 1000-1600. **Admission:** Adult £4, Child £2, Family £10. **Tel:** 07766 923361. **E-mail:** mrcbirmingham@gmail.com

BRACKNELL, BERKS. Bracknell Railway Society MRE. Jennets Park Community Centre, 1 Tawny Owl Square, Sparrowhawk Way, Bracknell RG12 8EB. **Time:** 1030-1630. **Admission:** Adult £4, Child £2, Family £10. **Web:** www.bracknellrailwaysociety.co.uk

COVENTRY. Coventry and Warwickshire O Gauge Modellers Open Day. The Church of the Holy Cross, St Austel Rd, Wyken, Coventry CV2 5AE. **Time:** 1000-1500.

RAINHILL, MERSEYSIDE. Stephenson MRG. Old Lane and Stoney Lane, Rainhill L35 9JY. **Time:** 1000-1700. **Admission:** Adult £3. **Tel:** 0151 430 6883. **Web:** www.stephensonmrg.org.uk

SEAFORD, SUSSEX. Seaford MRS MRE. Seaford Baptist Church Hall, Belgrave Road, Seaford BN25 2EE. **Time:** 1000-1700. **Admission:** Adult £4, Concession £3.50, Child £1. **Web:** www.newhavendmrc.com

SHERWOOD, NOTTS. Nottingham Woodthorpe MRC MRS. Sherwood Community Centre, Mansfield Rd, Sherwood, Nottingham NG5 3FN. **Time:** 1000-1700. **Admission:** Adult £4, Child/Concession £3, Family £12. **Tel:** 0115 962 1153.

TRIMLEY ST MARY, SUFFOLK. N Gauge Society (Felixstowe Area Group). The Welcome Hall, High Road, Trimley St Mary IP11 0NT. **Time:** 1100-1600. **Tel:** 01349 277211. **Web:** www.felixstowengauge.org

LONDON. Hillingdon Rly Modellers Open Day. Yiewsley Baptist Church Hall, 74 Colham Ave, Yiewsley, Hillingdon UB7 8HF. **Time:** 1000-1600. **Admission:** £4. **Tel:** 0208 368 4090. **Web:** www.hillingdonrailwaymodellers.co.uk

OCTOBER 27-28

BODMIN, CORNWALL. Bodmin & District MRC MRE. Bodmin Community College, Lostwithiel Road, Bodmin PL31 1DD. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £4, Child £3, Family £10. **Tel:** 07775 542174. **E-mail:** bobhillcote@aol.com

CAISTOR, Lincs. Caistor MRC MRS. Caistor Town Hall, High St, Caistor LN7 6TX. **Time:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £3, Child/Senior £2.50, Family £7.50. **Tel:** 07503 321510. **E-mail:** mikephill362@gmail.com

DUBLIN. The Model Railway Society of Ireland MRE. St Paul's College, Raheny, Dublin. **Time:** 1100-1700. **Admission:** Adult £8, Child £4, Family £16. **Web:** www.modelrailways.ie

HATHERLEY, GLOS. Cheltenham GWMG MRE. St Margaret's Hall, Coniston Road, Off Windermere Rd, Hatherley GL51 3NU. **Time:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £4, Child £2.50, Family £9. **Tel:** 01242 517788. **Web:** www.cheltnodrail.org.uk

STOCKPORT. Hazel Grove & District MRS MRE. Hazel Grove High School,

Jacksons Lane, Hazel Grove SK7 5JX. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £7, Child £3. **Web:** www.hgdms.org.uk

LEEDS. Leeds MRS MRE. The Grammar School, Alwoodley Gates, Harrogate Rd, Leeds LS17 8GS. **Time:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £7. **Tel:** 07900 338215. **Web:** www.leedsrms.org

SPENNYMOOR, DURHAM. Spennymoor Charity MRS. Whitworth Park School, Whitworth Lane, Spennymoor DL16 7LN. **Time:** 1000-1600. **Admission:** Adult £4.50, Concession: £4, Child £1.50, Family £10. **Tel:** 01388 817907. **Web:** www.wrlpg.com

TAUNTON. Somerset Railway Modellers Club, Taunton School, Staplegrave Road, Taunton TA2 6AD. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £7, Senior £6, Child £3, Family £15. **Web:** www.somersetmrc.org.uk

OCTOBER 28

KIDDERMINSTER, WORCS. Wyre Forest MRC Open Day. The Clubrooms, 1st Floor, 101 Comberton Hill, Kidderminster DY10 1QH. **Time:** 1100-1600. **Web:** www.wyreforestmrc.com

NOVEMBER 3

BARRY. Barry & Penarth MRC MRE. Cadoxton Conservative Club, 32 Vere Street, Barry CF63 2HU. **Time:** 1100-1630. **Admission:** Adult £3.50, Child £2. **E-mail:** bpmrc@outlook.com

HIGH WYCOMBE, BUCKS. Wyrail 18 MRE. The Cressex Community School, Holmers Lane, High Wycombe, Bucks HP12 4UD. **Time:** 1000-1700. **Admission:** Adult £7. **Web:** www.hwdmrs.org.uk

HIGHBRIDGE, SOMERSET. HRCA Bristol & Somerset Group 10th Vintage Hornby Train Show. The King Alfred School, Burnham Road, Highbridge TA9 3EE. **Time:** 1000-1600. **Admission:** Adult £3. **Tel:** 01278 789031. **Web:** www.somersethrca.org.uk

LEICESTER. Train Collectors Society. Trinity Methodist Church Hall, Narborough Rd, Leicester LE3 2RD. **Time:** 1000-1600. **Admission:** Adult £3. **Web:** www.traincollectors.co.uk

ROMFORD, ESSEX. Romford MRS MRE. Marshalls Park School, Pettits Lane, Romford RM1 4EH. **Time:** 1000-1700. **Admission:** Adult £5, Child £4, Family £14. **Tel:** 07946 615381

THEYDON BOIS, ESSEX. Epping Railway Circle MRE. The Village Hall, Theydon Bois CM16 7ER. **Time:** 1000-1630. **Admission:** Adult £4, Child £3. **Tel:** 0208 508 1764. **Web:** www.eppingrailwaycircle.com

WESTBURY, WILTS. The West Wiltshire Gauge O Group MRS. Paragon Hall, Haynes Road, Westbury BA13 3HA. **Time:** 1000-1630. **Admission:** Adult £5, Concession £4.50, Child £2, Family £10. **Tel:** 07870 515807.

WICKFORD, ESSEX. The Salvation Army Wickford Corps MRE. The Salvation Army, Jersey Gardens, Wickford SS11 7AE. **Time:** 1000-1700. **Admission:** Adult £2, Child £1. **Tel:** 07472 655593.

WREXHAM. World of Motion. Wrexham Memorial Hall, Bodhyfryd, Wrexham LL12 7AG. **Time:** 1000-1600. **Admission:** Adult £3.50, Child £1. **Tel:** 0151 638 3915. **Web:** www.worldofmotion.com

NOVEMBER 3-4

ANGMERING, SUSSEX. N Gauge Society (W. Sussex Area Group). The Angmering School, Station Road, Angmering BN16 4HH. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £6, Child £2.50, Family £14. **Web:** www.ukmodelshops.co.uk

ELGIN, MORAY. Elgin MRC Modelfair. Elgin Town Hall, Elgin, Moray. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult/two-day pass £5/7.50, Concession £4, Child £3, Family £12. **E-mail:** enquiries@elginmodelrailwayclub.co.uk

NORTHFLEET, KENT. The Gravesend MRS. Northfleet School for Girls, Hall Road, Northfleet DA11 8AQ. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** £4. **Tel:** 07821 254232. **Web:** www.gres.org.uk

SPALDING, Lincs. Spalding MRC MRE. Springfields, Camel Gate PE12 6ET. **Time:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £8, Senior £7. **Tel:** 07935 600965. **E-mail:** exhibition@spaldingmrc.co.uk

NOVEMBER 4

EASTRINGTON, GOOLE. Carlton Railway Society Show. Eastington Village Hall, Howden Road, Eastington. **Time:** 1000-1600. **Admission:** Adult £4, Concession £2.

LLANDRINIO, OSWESTRY. Borders MRC MRS. Llandrinio Village Hall, B4393 between Oswestry and Welshpool SY22 6SB. **E-mail:** kwhittle@btconnect.com

NOVEMBER 10

CULTRA, BELFAST. Model Railway Day. Ulster Folk and Transport Museum, Cultra, Holywood BT19 0EU. **Time:** 1000-1700. **Admission:** Adult £9, Concession £7, Child £5.50, Family £19/£25. **Tel:** 0289 0428428. **Web:** www.nmml.com

HEYWOOD, LANCs. Heywood MRG Open Day. Club Rooms, Unit 4, Park Works, River St, Heywood OL10 4AB. **Time:** 1000-1600. **Web:** www.hmrg.co.uk

SOLIHULL. Solihull MRC MRE. St Mary's Church Hall B92 8PN. **Time:** 1000-1630. **Admission:** Adult £3, Concession £2.50, Child £2, Family £8. **Tel:** 07817 093264. **Web:** www.solihullmrc.org

THORNCOMBE, DORSET. Thorncombe Rail Activities Club MRE. Thorncombe Village Hall & School, Chard Street, Thorncombe, Dorset TA20 4NE. **Time:** 1000-1600. **Admission:** Adult £4. **Tel:** 01297 552280. **E-mail:** gbdevon49-mre18@yahoo.com

NOVEMBER 10-11

CREWE. Alsager Railway Association MRE. Legends Conference Centre, Bentley Motors Ltd, Sunnybank Rd, Crewe CW2 8WD. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £6.50, Child £2.50, Family £15. **Tel:** 07747 087050. **Web:** www.alsagerailwayassociation.co.uk

DARWEN, LANCs. Blackburn & East Lancs MRS MRE. Darwen Vale High School, Blackburn Rd, Darwen BB3 0AL. **Time:** 1000-1700 both days. **Admission:** Adult £7. **Tel:** 01254 603965. **Web:** www.belmrs.org

HOYLAND, BARNsLEY. Barnsley MRC MRE. Leisure Centre, West Street, Hoyland S74 9EH. **Time:** Sat 1000-1700, Sun 1000-1700. **Admission:** Adult £5, Concession £4.

HULL. 39th Hull MRS. Walton Street Leisure Centre, Goathland Close, off Walton Street, Hull HU3 6JB. **Time:** Sat 1000-1700, Sun 1000-1630. **Admission:** Adult £4, Child £1. **Web:** www.hullmrs.org

JOHNSTONE, RENFREWSHIRE. Renfrewshire MRC. Johnstone Town Hall, 25 Church Street, Johnstone PA5 8EG. **Time:** Sat 1000-1700, Sun 1200-1600. **Admission:** Adult £5, Concession £4, Child £2, Family £11. **Web:** www.renfrewshiremrc.co.uk

TOLWORTH, SURREY. Tolworth Showtrain 2018. Tolworth Recreation Centre, Fullers Way, North Tolworth, Surrey KT6 7LQ. **Time:** Sat 1000-1730, Sun 1000-1700. **Admission:** Adult £7, Child £3, Family £15. **Tel:** 0208 949 3413. **E-mail:** exhibitionmanager@hamptoncourtmrs.com

WINCANTON, SOMERSET. Wincanton MRE. King Arthurs School, West Hill, Wincanton BA9 9BX. **Time:** Sat 1000-1630, Sun 1000-1600. **Admission:** Adult £5, Concession £4.

NOVEMBER 16-17

HINCKLEY, LEICS. G Scale Society 3CAG First Toy and MRS. Albert Road, Hinckley LE10 1PL. **Time:** Fri 1600-2000, Sat 1000-1600. **Admission:** Fri by donation, Sat Adult £3, Child £1.50. **Tel:** 07958 16570.

NOVEMBER 16-18

WAKEFIELD. Wakefield Railway Modellers Society MRS. Thornes Parks Sports Stadium, Horbury Road, Wakefield WF2 8TY. **Time:** Fri 1730-2100, Sat 1000-1730, Sun 1000-1630. **Admission:** Adult £7, Child £2. **Web:** www.wakefieldrms.org

NOVEMBER 17

CHEADLE HULME. MRE. St Andrew's Church, Cheadle Road, Cheadle Hulme SK8 5ET. **Time:** 1000-1500. **Tel:** 0161 440 0837. **E-mail:** trevor.s.kimm@gmail.com

PORTSMOUTH. South Hants MRC MRE. The Admiral Lord Nelson School, Dundas Lane, Portsmouth PO3 5XT. **Time:** 1030-1630. **Admission:** Adult £5. **Tel:** 01329 847989. **Web:** www.shmrc.org.uk

NORWICH. Wensum Valley MRE. Wensum Valley Hotel, Beech Ave, Taverham NR8 6HP. **Time:** 1000-1600. **Admission:** Adult £5, Child £2, Family £12. **Tel:** 01603 714837. **Web:** www.32AMRC.co.uk

THORNBURY, GLOS. Thornbury and South Gloucestershire MRC MRE. The Chantry, Castle St, Thornbury BS35 1HB. **Time:** 1000-1600. **Admission:** Adult £5, Child £2, Family £10. **Web:** www.tsgmrc.co.uk

NOVEMBER 17-18

COLNE, LANCs. Pendle Forest MRS MRE. Park High School, Venables Ave, Colne BB8 7DP. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £5, Concessions £4, Child £3, Family £14. **Tel:** 07770 331348. **E-mail:** cartersdad4jc@gmail.com

BROADSTAIRS, KENT. Isle of Thanet Railway Society, St George's School, Westwood Road, Broadstairs CT10 2LH. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £4.50, Senior £4. **Tel:** 07926 821728. **E-mail:** steve.costin@btinternet.com

PATCHAM, SUSSEX. Brighton MRC MRE. Community Centre, Ladies Mile Rd, Patcham BN1 8TA. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £4, Senior £3.50, Child £2.50, Family £11. **Tel:** 01273 771929. **E-mail:** brightonmrc@gmail.com

RETFORD, NOTTS. Bassetlaw Railway Society, Town Hall, Market Square, Retford DN22 6DE. **Time:** 1000-1600 both days. **Admission:** Adult £4, Child £2, Family £10. **Tel:** 07768 347456. **Web:** www.bnnrs.net

WORKINGTON, CUMBRIA. Workington MRE. Energus Building, Blackwood Road, Lillyhall, Workington CA14 4JW. **Time:** Sat 1000-1700, Sun 1000-1600. **Admission:** Adult £5, Child £1. **Web:** www.solrail.co.uk

NOVEMBER 18

WARRINGTON, CHESHIRE. Thelwall & Grappenhall MRC. Grappenhall Community Centre, Bellhouse Lane, Warrington WA4 2SG. **Time:** 1200-1600. **Admission:** Adult £1, Child 50p.

NOVEMBER 24-25

MODEL RAIL. See us at Stand D24

BIRMINGHAM. Warley National MRE. NEC, Birmingham B40 1NT. **Time:** Sat 0945-1800, Sun 0945-1700. **Tel:** 08457 484950. **Web:** www.thewarleyshow.co.uk

PROMOTE YOUR EVENT HERE

Model Rail is happy to accept details of exhibitions for inclusion on this page free of charge on the understanding that details may be edited down to suit available space. Model Rail and its staff are not responsible for any errors, howsoever caused. Send exhibition details to: Model Rail Exhibition Diary, Media House, Lynchwood, Peterborough Business Park, Peterborough PE2 6EA or e-mail jane.skinner@bauermedia.co.uk Entries for the December 2018 issue should reach us by November 2 2018.

POWERED BY
**Practical
Photography**



**TRY
ONE WEEK
FREE!**

Simply download the
Photography Now app from
the App Store, Google Play
Store or Roku for
your free trial

PHOTOGRAPHY NOW

THE NEW VIDEO-ON-DEMAND CHANNEL **FOR YOU!**

Take your photo skills to the next
level with exclusive how-to videos
for all interests and levels of ability

WIN!

**AN AMAZING
PHOTO HOLIDAY
WORTH £2500**

SEE PHOTOGRAPHYNOW.TV
FOR COMPETITION
DETAILS

AMAZING VIDEOS TO WATCH **ANYWHERE**



NEW SKILLS

Discover an exciting world
of innovative techniques and
settings for every subject



GEAR ADVICE

Get the best from your kit
and know which cameras, lenses
and accessories to invest in



PRO INSIGHT

Learn from the experts
with exclusive interviews
and on-location lessons



**WATCH THE INSPIRATIONAL NEW CHANNEL
DEDICATED TO THE ART OF PHOTOGRAPHY**

PHOTOGRAPHYNOW.TV



Locomotives and rolling stock you can only buy from your favourite magazine!

00
GAUGE

SENTINEL

Tooling exclusive
to Model Rail

MODEL RAIL/DAPOL SENTINEL 4wVBT

- ♦ Eight-pin DCC socket
- ♦ Detail differences for LNER 'Y1' and 'Y3'
- ♦ Limited to 250 pieces each

Only **£87.00**

£78.30 price for subscribers
* Pre-production models shown

**BUY
TODAY!**



MR-015
LMS Sentinel No. 47182, BR unlined black, British Railways lettering



MR-014
LNER 'Y1'
No. 68138, BR unlined black, early emblem

**IN STOCK
NOW**



MR-016
LNER 'Y3' No. 42, BR unlined black, Engineer's Department lettering (weathered)

**LIMITED TO 250
PIECES EACH**



MR-017
Royal Engineers Molly, WD khaki

**ALL
MODEL RAIL
SUBSCRIBERS
BENEFIT
FROM A 10%
DISCOUNT**

ORDER AT WWW.MODELRAILOFFERS.CO.UK OR 01209 613984

MODEL RAIL OFFERS

ORDER AT WWW.MODELRAILOFFERS.CO.UK OR 01209 613984

00 GAUGE CLASS 47/4

BACHMANN 31-650R: 47475, BR PROVINCIAL SERVICES BLUE

- ◆ Directional lights
- ◆ 21-pin DCC socket
- ◆ Interior cab lighting
- ◆ Sprung buffers
- ◆ NEM coupler pockets
- ◆ Limited to 500 pieces

Price: **£110.00**
£99.00 price for subscribers



UNBEATABLE PRICE

00 GAUGE CLASS 33/0

HELJAN 34121: BRCW TYPE 3 D6510, BR GREEN, YELLOW WARNING PANEL

- ◆ DCC ready
- ◆ Eight-pin DCC socket
- ◆ Directional lights
- ◆ NEM coupler pockets
- ◆ Limited to 500 pieces

Price: **£110.00**
£99.00 price for subscribers



00 GAUGE CLASS 66/0

BACHMANN 32-725WDS: 66062, EURO CARGO RAIL MAROON/GOLD

- ◆ DCC sound on board!
- ◆ Modified front skirts with snowploughs
- ◆ Extra printed detail
- ◆ Sound-fitted
- ◆ Directional lights
- ◆ 21-pin decoder socket
- ◆ Interior cab lights
- ◆ Sprung buffers
- ◆ NEM coupler pockets
- ◆ Limited to 250 pieces



Price: **£261.95** **£235.75** price for subscribers

00 GAUGE 'PILLBOX' BRAKE VAN

BACHMANN 38-404Z: SATLINK ZTR SR

- ◆ NEM coupler pocket
- ◆ Authentic Satlink decoration and number
- ◆ Limited to 500 pieces

Price: **£29.95** **£27.00** price for subscribers



00
GAUGE**LNER 'J70'**Tooling exclusive
to *Model Rail***MODEL RAIL/RAPIDO LNER 'J70' 0-6-0T**

- ◆ Coreless motor
- ◆ Tension lock couplers in NEM pockets
- ◆ Sprung buffers, with two types of buffer shank
- ◆ Full sideplates or full outside valvegear
- ◆ Six-pin DCC socket

- ◆ Replacement cowcatchers with no coupling aperture
- ◆ Choice of opened and closed nose-end doors
- ◆ Each guise limited to 500 pieces

Only £127.50**£114.75** price for subscribers**MODELS YOU CAN ORDER****MR-201** No. 68219, BR early emblem, cowcatchers only**MR-202** No. 68222, BR early emblem, full skirts**MR-203** No. 68225, BR early emblem, weathered, no skirts**MR-204** No. 68226, British Railways lettering, no skirts**MR-205** No. 68223, British Railways lettering, full skirts**MR-206** No. 7128, LNER wartime livery, full skirts**MR-207** No. 8223, LNER post-war livery, full skirts**MR-208** No. 7126, LNER lined livery, no skirts**MR-209** No. 7137, LNER unlined livery, full skirts**MR-210** No. 7139, LNER lined livery, cowcatchers only**MODEL RAIL EXCLUSIVE PUBLICATIONS****IDEAS FOR LAYOUTS, VOLUME 4**

Need inspiration? Look no further than *Ideas for Layouts*. Planning guru Paul A. Lunn has formulated 18 innovative concepts to suit all spaces and scales.

**HOW TO BUILD A MODEL RAILWAY, VOLUME 6**

From planning your layout to operating it, this publication guides you through the process of building your model railway and is full of hints and tips.

**GREAT BRITISH MODEL RAILWAYS**

Celebrate the skill, imagination and craftsmanship of Britain's best railway modellers with this superb 132-page publication.

MODEL RAIL PUBLICATIONS ORDER DETAILS01733 840111 www.greatmagazines.co.uk/modelrailbookazinesPlease note that this is for *Model Rail Extras* only - you can't use this number or website to order *Model Rail Offer* models.

Next Issue

ON SALE
NOV 22

MAKING THE GRADE

The two-mile Lickey Incline is still a tough test for today's train operators. But Barry Morton takes us back to the 1960s, when man and machine really did do battle with the 1-in-37 gradient.



CHRIS NEVARD

LIGHTS, CONTROLLER, ACTION!

From wiring and DCC to using Faller's road system and making illuminated signs, we bring you inspirational 'how to' projects to give your layouts more life and movement than just the trains.

NEVER
MISS AN
ISSUE!

Turn to page 16 for
details of our great
subscription
offer

CONTACT US

Media House, Lynchwood, Peterborough Business Park, Peterborough PE2 6EA
E-mail: modelrail@bauermedia.co.uk

EDITORIAL

Telephone: 01733 468000
Editor: Richard Foster
Deputy Editor: George Dent
Consultant Editor: Chris Leigh
Staff Writer: Chris Gadsby
Model Consultant: Dave Lowery
Editorial Assistant: Jane Skinner
Art Editor: Matthew Hunt
Production Editor: Shane Collins
Sub Editor: Richard Hampson
Photography: Jacques Portal, Chris Nevard
Artist: Andrew Mackintosh

PRODUCTION

Telephone: 01733 468377
Print Production Manager: Richard Woolley
Advertising Production: Zoe Bellamy
Printed by: Wyndeham Southernprint,
Poole, Dorset BH16 5SN

ADVERTISING

Senior Sales Exec Display: Gemma Smith
01733 366379
Sales Exec Classified: Victoria Matthews
01733 366395
Group Advertisement Manager: Karen Gardiner
01733 366434

MARKETING

Telephone: 01733 468000
Marketing Manager: Holly Burdall
Direct Marketing Executive: Olivia Caouki
Head of Newstrade: Leon Benoiton
Newstrade Marketing: Christina Dillon

SUBSCRIPTIONS & BACK ISSUES

To ensure that you don't miss an issue and for the best subscription offers visit www.greatmagazines.co.uk
For subscription or back issue queries please contact: CDS Global on bauer@subscription.co.uk
Phone +44 (0) 1858 438884 (UK & overseas)
For binders call 01733 840111

BAUER CONSUMER MEDIA

Managing Director: Nicola Bates
Editorial Director: June Smith-Sheppard
Digital Director: Charlie Calton-Watson
Group Direct Marketing Director: Kim Slaney
Finance Director: Lisa Hayden
Group Managing Director: Rob Munro-Hall
CEO: Paul Keenan



From January-December 2017 *Model Rail* sold an average of 24,716 copies per issue, as independently confirmed by the Audit Bureau of Circulations (ABC).

Model Rail magazine is published 13 times per year by Bauer Consumer Media Limited, registered in England and Wales with company number 01176085, registered address Media House, Lynchwood, Peterborough Business Park, Lynchwood, Peterborough PE2 6EA, VAT no. 918 5617 01.

COMPLAINTS: Bauer Consumer Media Limited is a member of the Independent Press Standards Organisation (www.ipso.co.uk) and endeavours to respond to and resolve your concerns quickly. Our Editorial Complaints Policy (including full details of how to contact us about editorial complaints and IPSO's contact details) can be found at www.bauermediacomplaints.co.uk. Our e-mail address for editorial complaints covered by the Editorial Complaints Policy is complaints@bauermedia.co.uk.

No part of the magazine may be reproduced in any form in whole or in part, without the prior permission of Bauer. All material published remains the copyright of Bauer and we reserve the right to copy or edit any material submitted to the magazine without further consent. The submission of material (manuscripts or images etc) to Bauer Media, whether unsolicited or requested, is taken as permission to publish that material in the magazine, on the associated website, any apps or social media pages affiliated to the magazine, and any editions of the magazine published by our licensees elsewhere in the world. By submitting any material to us you are confirming that the material is your own original work or that you have permission from the copyright owner to use the material and to authorise Bauer to use it as described in this paragraph. You also promise that you have permission from anyone featured or referred to in the submitted material to it being used by Bauer. If Bauer receives a claim from a copyright owner or a person featured in any material you have sent us, we will inform that person that you have granted us permission to use the relevant material and you will be responsible for paying any amounts due to the copyright owner or featured person and / or for reimbursing Bauer for any losses it has suffered as a result. Please note, we accept no responsibility for unsolicited material which is lost or damaged in the post and we do not promise that we will be able to return any material to you. Finally, while every reasonable precaution is taken to ensure accuracy, Bauer is not responsible for any errors or omissions, nor do we accept any liability for any loss or damage, howsoever caused, resulting from the use of the material.





The most reliable turnout motors ever.

Every single batch of Cobalt iP series and Omega turnout motors is fully life-tested. Every test we do is counted using a motor's own switches so we are testing them as well. Acceptance happens only when we have simulated more than 100 years constant operations on a very, very busy club layout.

That's why we offer lifetime warranty on Cobalt iP & Cobalt Omega motors!

"World's best" for good reasons!

When we set out to create any new product, it has to be better, different... or simply easier to use for the average modeller.

We don't compromise for the sake of costs so all materials are MIL spec or better, electrical contacts are 24k gold plated and all of the switch tracks are hard gold plated. Plastics are all special engineering types not the usual polystyrene and every item we make is tested more than once before packing.

That's why we confidently offer such generous warranty and "Industry Best" customer service assistance to help you get the best from them.



Cobalt-S Levers

Over 140mm high, Cobalt-S levers are very comfortable to use and look really good when painted like the real thing.

Brass numbers and cast "top trims" are included with them to add to the realism.

These brass levers ooze quality. Each of the 3 switches have 24k gold contacts for a very long life.

Cobalt-S levers are the best there are!

Cobalt-SS ultra-small motor drive turnout motor ready to go "as is" to use with either DC or DCC.

This motor is so small it can be almost hidden in the ballast, yet it is strong enough for all common scales.

Very stable stepper motors provide the drive power... and all the power and control connections are plug-and-play.

Economical as each control output handles 2!



SALES LINE
01432 352809

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

SHOP OPEN MON-SAT 9-5.30

THE HEREFORD MODEL CENTRE

4 COMMERCIAL ROAD, HEREFORD, HEREFORDSHIRE, HR1 2BB

009/HOE IN STOCK

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

NEW RELEASES

32-078 GWR 56xx	£97.70
31-921 BR H2 Atlantic	£161.45
R3614 LMS Patriot	£129.45
R3602TTS HST sound	£229.45
7S-007-003 0 gauge GWR 57xx	£199.75
7S-007-003 0 gauge GWR 57xx	£199.75
unnumbered	£199.75
7S-007-005 0 gauge BR 57xx	£199.75

HORNBY

R2744 Schools Blundells BR	£84.95
R2917 2800 Class BR	£103.99
R3003 B17/6 Barnsley	£116.45
R3004 Serlby Hall	£116.45
R3233 LNER D16	£100.95
R3235 British Railways D16	£100.95
R3242A K1 BR Early	£116.95
R3243B K1 BR Late	£116.95
R3276 LMS compound	£66.45
R3278 Patriot Class Bradshaw	£70.00
R3311 BR Schools Westminster	£119.45
R3318 B17 BR Early Gilwell	£116.45
R3325 J50 BR Early	£69.45
R3329 BR Late S15	£123.99
R3327 SR S15	£123.99
R3333 BR Early Adams	£107.95
R3334 BR Late Adams	£107.95
R3335 LSWR Adams	£107.95
R3405 LNER J50	£78.50
R3407 BR J50	£78.50
R3411 SR S15	£125.95
R3413 S15 BR Late	£119.45
R3420 BR 700 Class	£99.45
R3421 BR 700 Class	£99.45
R3422 Adams SR	£109.45
R3423 Adams BR	£109.45
R3424 LNER Q6	£125.45
R3425 BR Early Q6	£125.45
R3426 BR Late Q6	£125.45
R3432 B12 BR Late	£127.95
R3414 LNER J15	£99.45
R3452 BR Grange	£119.25

Mail Order Service

All prices valid to 30.11.18.

You must state these prices when ordering

POSTAGE & PACKING RATES PER ORDER:

• UK Standard Postage and Packing Rate £3.95

• UK Insured Postage and Packing Rate £7.10

• UK Courier Transport and Packing Rate £9.00

• Worldwide at cost • VAT free to non EC

**Train Sets/Packs and Controllers/Handsets -

Postage charged at cost**

PRICES SUBJECT TO CHANGE

WITHOUT NOTICE

***Please allow 7 days for clearance

when paying by cheque***

PLEASE QUOTE OUR SPECIAL

PRICES WHEN YOU VISIT US

CREDIT/DEBIT CARDS

WELCOME

R3453 BR Black 5	£134.00
R3456 N15 BR	£137.45
R3465 LNER N2	£82.95
R3499 BR Hall Class	£72.45
R3522 BR A4 Miles Beevor	£134.45
R3525 BoB Archibald Sinclair	£131.99
R3534 GWR King	£157.00
R3552 GWR Grange	£119.25
R3559 SR Q1	£89.45
R3560 Q1 BR Late	£89.45
R3566 BR Merchant Navy	£154.95
R3564 BR 8F with Fowler tender	£134.00
R3565 LMS Class 8F	£134.00
R3586 BR Schools Class	£75.99
R3588 LNER B17	£76.50
R3612 'Mallard' 80th Anniversary Gold	£183.99
R3617 'Elder Dempster Lines'	£129.45
R3630 LNER A4 'Woodcock'	£135.99
R3676 LNER A4 'Mallard'	£151.50

Train Packs/Sets

30-285 The Midlander Set	£178.45
R1180 Postal Express Set	£124.45
R2372m Royal Dutchey Pack	£95.00
R2815 Southern Suburban Ltd	£159.00
R2986 Date with the Duchy	£179.90
R3059 Tornado Train Pack	£128.45
R3093 Tornado Train Pack	£116.99
R3299 1945 Going Home	£259.45
R3302 Return from Dunkirk	£229.75
R3397 LMS Suburban Train pack	£220.25
R3399 EWS Freight train pack	£184.99
R3402 Queen of Scots pack	£263.99
R3670 72xx Freight pack	£138.95
R3671 K1 F reight pack	£128.95

HORNBY Diesel Electric Locomotives

R3260 2 HAL SR Green	£113.90
R3261 Class 08 Network Rail	£84.45
R3342 Class 08 BR Blue	£104.45
R3343 Class 08 F.G.W.	£104.45
R3268 Class 67 Arriva	£122.90
R3373 Class 71 BR Green w/panel	£134.95
R3374 Class 71 BR Blue	£134.95
R3376 Class 71 BR Green	£134.95
R3177 BR 2 Bil SR Green	£98.95
R3161B SR 2 Bil	£120.60
R3177 NRM 2 Bil BR Green	£98.95
R3290A BR 2 Hal Green	£113.90
R3262 Class 31 DCR	£142.45
R3353 Sentinel Balfour Beatty	£49.45
R3341A BR Blue 2 HAL	£115.95
R3473 Class 56	£135.99
R3483 Sentinel Crossley	£51.45
R3484 Class 08 BR Green	£109.45
R3485 Class 08 Laura Blue	£109.45
R3573 Class 66 GBRF	£79.45
R3577 Sentinel graham	£58.00
R3582 Class 87 'King Arthur' Intercity	£139.25

R3653 BR Class 50 'Leviathan'	£137.25
R3658 Class 50 'Glorious' NSE	£129.25

HORNBY TRACK

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

HORNBY Track Accessories

R076 Footbridge	£15.10
R169 Junction Home Signal	£10.35
R170 Junction Distant Signal	£10.35
R171 Single Home Signal	£7.95
R172 Single Distant Signal	£7.95
R189 Single Brick Bridge	£7.95
R406 Colour Light Signal	£19.00
R574 Trackside Accessories	£12.95
R626 Point Underlay	£4.20
R636 Double Level Crossing	£20.15
R638 Track Underlay	£10.55
R645 Single Level Crossing	£12.45
R658 Inclined Pier Set	£12.65
R659 High Level Pier Set	£6.95
R909 Track Supports	£8.65

HORNBY Trackside

R460 Straight Platform	£3.45
R462 Large Curve Platform	£3.45
R463 Small Curve Platform	£3.45
R464 Platform Ramp	£3.45
R495 Platform Subway	£3.45
R510 Platform Shelter	£10.95
R8001 Waiting Room	£17.95
R8003 Water Tower	£13.55
R8007 Booking Hall	£24.99

HORNBY Control Equipment

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

BACHMANN Steam Locomotives

31-001 Robinson BR Late Crest	£94.99
31-002 Robinson BR Early Crest	£94.99
31-003 Robinson LNER	£94.99
31-003A Robinson 04 LNER	£110.45
31-004A Robinson 04 BR Early	£118.95
31-014 Class 7F SDJR Black	£125.75
31-015 Class 7F LMS Black	£125.75
31-170 BR Black Lyr Tank	£93.45
31-435 Class 1F BR Early	£81.55
31-480 Class G2A LMS	£101.95
31-434 Class 1F BR Early	£81.55
31-088 BR Black Earl	£118.95
31-128 BR ROD Weathered	£102.45
32-154A N Class BR Black weathered	£99.10
31-136DC D11/2 BR	£115.90
31-318A LNER J11	£127.45
31-465 C Class BR	£93.46
31-461A C Class SR Black	£106.20
31-462A C Class BR Early	£106.20
31-481 Class G2A BR Early	£114.70
32-176 BR Crab	£123.20
32-178A LMS Crab	£123.20
32-227B LMS 3F Jinty	£72.20
32-235 BR 3F Jinty	£80.70
32-304A GWR 2251	£97.70
31-614 V3 BR Late	£110.45
31-628DC 3F BR Black Weathered	£93.20
31-691 BR Early Stanier Mogul	£135.95
31-783 Fountains Hall BR	£114.75
31-980 Standard 3MT Green	£110.45
32-233 3F Jinty SDJR	£62.00
32-085 Class 56XX BR Early	£76.45
32-880 Fairburn LMS	£106.20
32-882 Fairburn BR Late	£106.20
32-550B Tornado BR Green	£127.95
31-933 BR Compound Late Crest	£112.88
31-127 CL3000 BR ROD	£118.45
31-932DC BR Compound	£127.75

35-050 LNWR Coal Tank	£101.95
35-051 LMS Coal Tank	£101.95
35-052 BR Coal Tank	£101.95

BACHMANN Diesel/Electric Locomotives

31-040 SWT Class 450	£271.95
31-041 SWT Class 450 wthd.	£297.45
31-269 MLV Jaffa	£83.26
31-366 Class 03 BR Green	£70.50
31-679 Class 85 Electric Blue	£118.45
31-660A BR Class 47 L/L	£135.95
31-663 BR Class 47 R/L	£135.95
32-533 Class 55 Green weathered	£131.70
32-981 Class 66 Freightliner	£127.45
32-993 Wickhams Trolley Yellow	£67.95
32-034A Class 20 BR Green	£97.70
32-038DS Class 20 BR Blue	£195.45
32-066 Class 43 BR Green	£118.95
32-786 Class 37 EWS	£106.20
31-327 CL105 BR Green	£79.45
31-535 CL105 BR Blue Power Twin	£84.45
32-928 Class 150 Sprinter	£135.95
32-937 Class 150 Centro	£127.45
32-992 Wickhams Trolley Yellow	£67.95
31-677 CL85 BR Blue	£85.99
31-575 Windhoff MPV NWR	£104.00
31-576DC Windhoff MPV NWR	£114.00
31-577 Windhoff Railtrack	£104.00
32-789 Colas Class 37 'Merl Evans'	£135.95

DAPOL/OXFORD/HELJAN/DJM

4D-022-009 Class 68 Scotrail	£131.70
4D-022-010 Class 68 DRS	£131.70
4D-022-012 Class 68 Chiltern	£131.70
GV2013 Janus British Steel	£92.45
DJM00J94-SPI NCB J94	£99.75
OR76 DG001GWR Dean Goods	£88.95
OR76AR005 Adams East Kent	£84.45
OR76AR006 Adams SR	£84.45
9005 Metropolitan No 19	£106.95
9006 Metropolitan No 6 William Penn	£106.95
9008 London Transport No12 Sarah Siddons Preserved	£106.95
9009 London Transport No12 Sarah Siddons 1990s	£106.95
GV2017 GWR 0-6-0T	£52.45
GV2018 Black 0-6-0T	£52.45
H1301 1361 GWR s.button	£122.45
H1302 1361 GWR	£122.45
H1303 1361 BR Early	£122.45
H1304 1361 BR Late	£122.45

accurascale

ORDER ONLINE: WWW.ACCURASCALE.CO.UK

NEW!



OO gauge STS/VTG PC017B/C PCA bulk cement wagons
STS, Rugby Cement & Castle Cement sets now available to order!
Bundle deals available
Due January 2019

VISIT US AT THE WARLEY SHOW!
STAND B31A, HALL 5 AT THE N.E.C., BIRMINGHAM, NOVEMBER 24 & 25
NEW PRODUCT ANNOUNCEMENT AT 10.30AM ON SATURDAY!



OO gauge BR HOP24/HUO 24.5t hopper wagons
Pre-TOPS, TOPS and Onllwyn Colliery NCB internal user sets now available!



OO gauge APCM Cemflo/PCV

Pre-TOPS & TOPS versions
available to order now!

Bundle deals available!

Due April 2019
(note revised due date)



O gauge HOP24/HUO

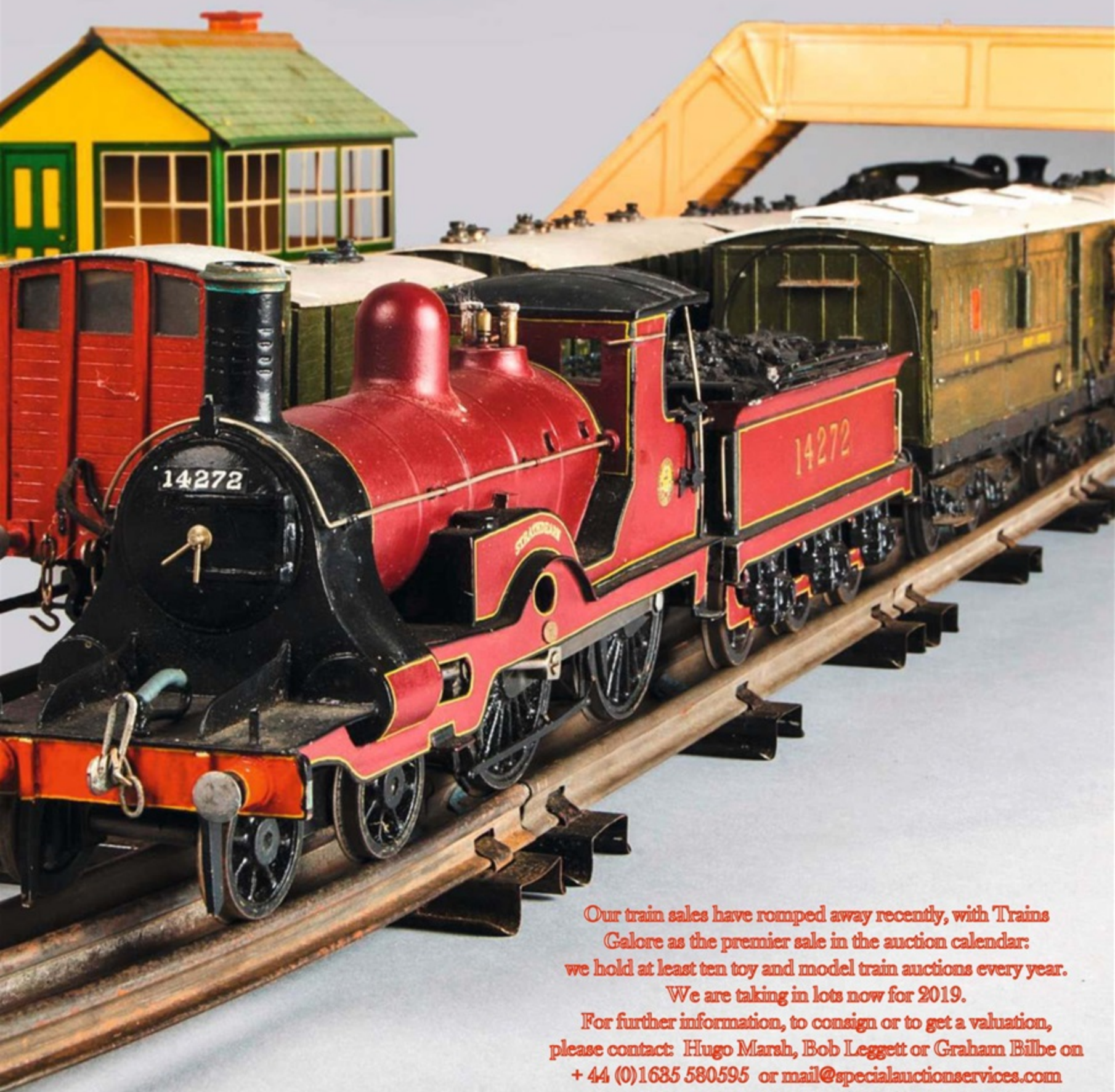
Pre-TOPS & TOPS versions
available to order now!

Bundle deals available!

Due December 2018

O GAUGE!

Trains Galore 11 & 12 December
Trains 29 January
Glorious Trains 16 April



Our train sales have romped away recently, with Trains Galore as the premier sale in the auction calendar: we hold at least ten toy and model train auctions every year.

We are taking in lots now for 2019.

For further information, to consign or to get a valuation, please contact: Hugo Marsh, Bob Leggett or Graham Bilbe on + 44 (0)1685 580595 or mail@specialauctionservices.com

81 Greenham Business Park, Newbury RG19 6HW



WARLEY NATIONAL 2018

at the NEC Birmingham
Sat 24th & Sun 25th November 2018



Saturday 24th & Sunday 25th November 2018

Sat 9.45am - 6pm & Sun 9.45am - 5pm Advance ticket holders 9.15am Sat & Sun

- 90 Model Railway Layouts - Gauges Z to I and Bigger
- Over 150 Specialist Trade Stands
- Modelling Demonstrations
- Most Major Scale & Gauge Societies
- Preservation & Specialist Interest Societies

TICKET HOTLINE
Tel: 0844 5810737
Booking fee applies

- Full Size Centrepiece Locomotive Display
- See our website for more details

Centrepiece Locomotive Transport Sponsored by
Squires Model & Craft Tools

www.thewarleyshow.co.uk

Sponsored by:
GRAHAM FARISH
by BACHMANN

BACHMANN
BRANCH-LINE

RAILWAY MODELLER
PECO
CONTINENTAL MODELLER

HORNBY

Crécy
www.crecy.co.uk

Main photo: Craig Tiley courtesy Railway Modeller

The UK's Premier Model Railway Event

DISCOUNT 'O' GAUGE

TOWER BRASS LOCOMOTIVES

R.T.R in unpainted brass/factory painted

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

TOWER BRASS COACHES

Fully assembled in unpainted brass

GWR/BR Collett D127 brake 3rd	£235.00
-------------------------------	---------

FULLY FINISHED R-T-R LOCOS

L&Y/LMS/BR Pug 0-4-OT	from £525.00
GWR/BR 1361 0-6-OST	from £595.00
GWR/BR 8750 Pannier tank	from £995.00
GWR/BR Razor Edge railcar	£835.00
GWR/BR Parcels railcar	£810.00
LNER/BR J39 0-6-0	£1075.00
LMS/BR Original Patriot	£1650.00

Over 100 R-T-R locos available off the shelf

GLADIATOR LOCO KITS

GTR3 LNER/BR J11 0-6-0	£320.00
GTR18 LMS/BR de-streamlined Duchess	£415.00
GTR20 LMS/BR Princess	£415.00
GTR21 LMS/BR Rebuilt Royal Scot	£355.00
GTR24 LMS/BR Original Patriot	£355.00
GTR25 LMS/BR Rebuilt Patriot	£355.00
GTR28 LMS/BR 2P 4-4-0	£315.00
GTR36 LBSC/BR/HR H2 Atlantic	£370.00
GTR50 LNER/BR Beyer Garratt 2-8-8-2	£620.00
GTR61 LBSC/BR/HR H1 Atlantic	£370.00
GTR62 SR/BR Urrie King Arthur	£415.00
FT3 LNER/BR B16/1 4-6-0	£355.00
FT4 LNER/BR D17/1 D17/2 4-4-0	£300.00
FT9 NER/LNER/BR G6/BTP 0-4-4T	£215.00

JAVELIN LOCOMOTIVE KITS

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

MERCIAN LOCO KITS

SG5 LNER/BR J94 Austerity 0-6-OST	£180.00
GW2 GWR/BR 1400 Autotank	£175.00

TOWER COLLECTION (D.J.H.) BEGINNERS KITS

Includes wheels, gears and motor

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

TOWER COLLECTION LOCO KITS

Require wheels, gears and motor

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

D.J.H. LOCO KITS

K300 B.R. Standard 84xx 2-6-2T	£362.00
K301 B.R. Standard 2MT 2-6-0	£415.00
K302 LMS/BR Ivatt 2-6-2T	£362.00
K303 LMS/BR Fairburn 2-6-4T	£362.00
K310A LNER/BR A3 with Corridor tender	£595.00
K317B BR Britannia with BR1/1A tender	£595.00
K324B BR 9F 2-10-0 BR1B/BR1C	£595.00
K326 B.R. Class 03 complete kit	£415.00
K336 LNER/BR Peppercom A2	£562.00
K338 LNER/BR G5 0-4-0T	£415.00
K340 B.R. Class 14 complete kit	£415.00
K344 New LNER/BR Hunt Class 4-4-0 499.00	
K345 New LNER/BR Thompson A2/1	£584.00

PECO LINESIDE KITS

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

SLATERS BR WAGONS AND VANS KITS

7062 B.R. 12ton 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
7020 SEC/BR/BR 4 wheel PLV/GUV	£79.00
7021P SR/BR Bogie Van	£126.00
7022 SR/BR 4 wheel BY	£80.00

PECO WAGON KITS

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

PECO 'O' GAUGE TRACKWORK

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

HELMSMAN CONTROLLERS

CF5A Sump Single Controller	£169.00
RMS Remote handset for above	£45.00

H.M.R.S. TRANSFERS

H1 L.M.S. gold loco and coach	£20.00
H2 L.M.S. yellow loco and coach	£20.00
H2A L.M.S. black style/Crews loco	£20.00
H3 L.M.S. loco lining	£20.00
H3A L.M.S. coach lining	£20.00
H4 L.N.E.R. green loco and coach	£20.00
H4A L.N.E.R. black loco and Gill Sands	£20.00
H5 L.N.E.R. loco lining	£20.00
H6 L.M.S. goods wagon lettering	£18.50
H7 G.W.R. loco and coach lettering	£20.00
H8 G.W.R. loco and coach lining	£20.00
H9 S.R. Maunsell loco and coach lettering	£20.00
H10 S.R. Bulleid loco and coach lettering	£20.00
H11 G.W.R. goods wagon lettering	£18.50
H12 L.N.E.R. goods wagon lettering	£18.50
H13 S.R. goods wagon lettering	£18.50
H14 BR steam loco and coach lettering	£20.00
H15 BR blue diesel and coach lettering	£18.50
H16 LNW/R/W.C.S. 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/MB/OSW/HR/GNSR wgn lettering	£20.00
H22 B.R. mixed traffic/L.N.W.R. loco lining	£20.00
H24 MR/SDR/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	£33.00
PS15 BR 21 Ton Mineral wagon	£33.00
PS16 LNER Loco Coal wagon	£33.00
PS17 BR 12 ton Pipe wagon	£33.00
PS23 GWR/BR 13 ton open wagon	£33.00
PS24 GWR/BR 12 ton unfitted van	£33.00
PS25 BR 24.5 ton mineral wagon	£33.00
PS26 GWR/BR 12 ton fitted van	£33.00
PS27 GWR/BR 12 ton open with tarp bar	£33.00
PS28 GWR/BR 12 ton plywood van	£33.00
PS29 GWR/BR Fruit van	£33.00
PS30 BR 16 ton mineral wagon	£33.00
PS31 BR 16 ton slope sided mineral	£33.00
PS32 BR 16 ton mineral (ex SNCF)	£33.00
PS33 BR 8 Plank wooden mineral	£33.00
PS42 LMS/BR 12 ton open wagon	£33.00
PS45 LNER/BR 12 ton goods van	£33.00
PS46 LNER/BR 12 ton fruit van	£33.00
PS49 GWR/BR Mica van	£33.00
PS100 SR/BR Banana van	£33.00
PS101 SR/BR Meat van	£33.00
PS104 BR 21 ton coal hopper	£33.00
PS106 SR/BR Cattle truck	£33.00
PS112 GWR/BR Gunpowder van	£33.00
PS114 LMS/BR Banana van	£33.00
PS115 LNER/BR Brake Van	£39.15

BACHMANN SCENECRAFT BUILDINGS

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

NEW DAPOL 14/48/58xx
0-4-2T G.W.R. or B.R.
Available in various G.W.R. & B.R. liveries, autotanked or not, numbered or un-numbered, basic, DCC or DCC sound fitted.
BASIC RRP £225.00 OUR PRICE £191.25
Sound fitted RRP £400.00 **OUR PRICE £345.00**
Available late 2018 Reserve yours now

LIONHEART SUBURBAN COACHES
Fully finished superb quality with interior details and lights.
2 car 'B' set G.W.R. or B.R. 6 types
RRP £470.50 **OUR PRICE £399.99**
4 car D set G.W.R. or B.R. 4 types
RRP £823.50 **OUR PRICE £699.99**

NEW DAPOL SENTINEL Y1/Y3
LNER, LMS, GWR, B.R. or N.C.B.
Basic RRP £175.00 **OUR PRICE £148.75**
DCC fitted RRP £205.00 **OUR PRICE £174.25**
Sound fitted RRP £350.00 **OUR PRICE £297.50**
Available late 2018 Reserve yours now

DAPOL (EX LIONHEART) PANNIERS
64XX and 74XX G.W.R. or B.R.
List Price £399.00 **OUR PRICE £340.00**
Sound Fitted RRP £550.00 **OUR PRICE £467.50**

NEW DAPOL 57XX/8750 PANNIERS
57XX in BR & London Transport
8750 in GWR and BR Liveries
Basic Version RRP £235.00 **OUR PRICE £199.75**
Sound Fitted RRP £420.70 **OUR PRICE £357.50**
LT Livery £206.25 LT Livery with sound £364.00

NEW DAPOL 10 FOOT W.B. WAGONS
B.R. Open Wagons (various)
RRP £46.35 **OUR PRICE £39.50**
B.R. VEA, VBA, MEAT, INSULATED AND STANDARD VANS (12 TYPES)
RRP £49.95 **OUR PRICE £42.50**

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

DAPOL HEA & HAA COALWAGONS
4 Types of each
RRP £54.95 **OUR PRICE £46.95**
HAA'S Available Now - HEA'S Autumn

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**
ADVANCE ORDER YOURS NOW

NEW DAPOL B.R. MARK 1 COACHES
Available as CK, SQ, SK and BSK in crimson & cream, S.R. green, blue & grey, chocolate & cream and maroon, numbered or un-numbered
Basic RRP £199.00 **OUR PRICE £169.15**
DCC fitted RRP £234.00 **OUR PRICE £198.90**
Available late 2018 Reserve yours now

DAPOL (EX LIONHEART) 45XX PRAIRIE
Superb quality fully finished with diecast body and excellent detail. Choice of six liveries, numbered and un-numbered.
RRP £495.00 **OUR PRICE £420.75**
Sound fitted RRP £650.00 **OUR PRICE £552.50**
Available mid 2018 Reserve yours now

DAPOL CLASS 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 Late 2018 Reserve yours now

HELJAN CLASS 128 PARCELS RAILCAR
6 Versions
See website for details
RRP £599.00 **OUR PRICE £475.00**
Available NOW

NEW HELJAN CLASS 25/3
5 liveries available
RRP £525.00 **OUR PRICE £425.00**
Available late 2018
Reserve yours now

NEW HELJAN CLASS 117
3 Car D.M.U.
Available in a range of liveries from Cats Whiskers to N.S.E.
RRP £1100.00 **OUR PRICE £875.00**
Available late 2018. Reserve yours now.

NEW HELJAN CLASS 120
2 and 3 Car D.M.U.
Choice of blue or green liveries
2 car set RRP £800.00 **OUR PRICE £640.00**
3 car set RRP £1100.00 **OUR PRICE £875.00**
Available late 2018. Reserve yours now.

NEW HELJAN 61XX PRAIRIE TANK
HJ6100 6110 Great Western
HJ6101 6106 G.W.R.
HJ6102 6114 B.R. unlined black
HJ6103 6111 B.R. unlined green
HJ6104 6132 B.R. lined green
HJ6120 un-numbered Great Western
HJ6121 un-numbered B.R. unlined black
HJ6122 un-numbered B.R. unlined green
HJ6123 un-numbered B.R. lined green
HJ6124 5184 Great Western
HJ6125 4144 B.R. unlined black
HJ6126 5158 B.R. lined green
RRP £699.00 **OUR PRICE £550.00**
NOW AVAILABLE
See our website for full details

NEW HELJAN 43XX MOGUL
7 standard versions in G.W.R. and B.R.
all un-numbered and
3 limited editions numbered
List Price £779.00 **OUR PRICE £630.00**
Available 2018 Reserve yours now

HELJAN CLASS 45
3 liveries available
RRP £699.00 **OUR PRICE £550.00**
LAST FEW

NEW HELJAN CLASS 03
Several versions from original green to later blue
Price to be confirmed
See our website for details

NEW HELJAN CLASS 05
HJ2590 B.R. Plain Green
HJ2591 B.R. Green with chevrons early
HJ2592 B.R. Green with chevrons late
HJ2593 B.R. Blue with chevrons
HJ2594 CEB Yellow
HJ2595 NCB Green
HJ2596 Industrial Maroon
RRP £395.00 **OUR PRICE £315.00**
AVAILABLE NOW

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

NEW HELJAN CLASS 37
CENTRE HEAD CODE VERSION
Green with yellow ends
Blue large logo
Railfreight Coal Sector
Railfreight Petroleum
Railfreight Speedlink
RRP £599.00 **OUR PRICE £475.00**

HELJAN CLASS 40
B.R. Blue with yellow ends
RRP £649.00 **OUR PRICE £500.00**
Last few

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

HELJAN DELTIC
Ltd Edition original green
RRP £599.99 **OUR PRICE £475.00**
LAST FEW

HELJAN AC RAILBUS CLEARANCE
Light green with speed whiskers
Dark green with yellow panel
List Price £495.00
SPECIAL OFFER £299.95

NEW HELJAN CLASS 52
Six versions available late 2018
RRP £599.00 **OUR PRICE £475.00**
RESERVE YOURS NOW

NEW HELJAN CLASS 50
Six liveries AVAILABLE LATE 2018
RRP £699.00 **OUR PRICE £550.00**
RESERVE YOURS NOW

HELJAN CLASS 25/1
Ltd Ed Plain Green
Green with yellow panel
Green full yellow ends
RRP £599.00 **OUR PRICE £475.00**

HELJAN BR PARCELS STOCK
G.U.V. available B.R. Parcels red, Express Parcels blue or S.R. green
BG available BR maroon, crimson & cream, chocolate & cream, Newspapers blue or Royal Mail red
RRP £325.00 **OUR PRICE £250.00**
Buy four or more, pay only £240.00 each
Stocks now running low

NEW HELJAN WAGONS
Heljan Dogfish & Catfish RRP £99.95
OUR PRICE £79.95 or £75.00 for 6 or more
Heljan Cargo Waggon RRP £189.00
Our price £155.00 each or £600.00 for any four

HELJAN CLASS 42
WARSHIP
Ltd Ed original green (no panel)
Green, yellow panel D827 'Kelly'
Maroon, yellow panel D869 'Zest'
Ltd Ed, Maroon, yellow panel un-numbered
Maroon, yellow front D815 'Druid'
Ltd Ed, Maroon, yellow front un-numbered
Ltd Ed, Blue, yellow ends, pre tops, un-numbered
Ltd Ed, blue, yellow ends, post tops un-numbered
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

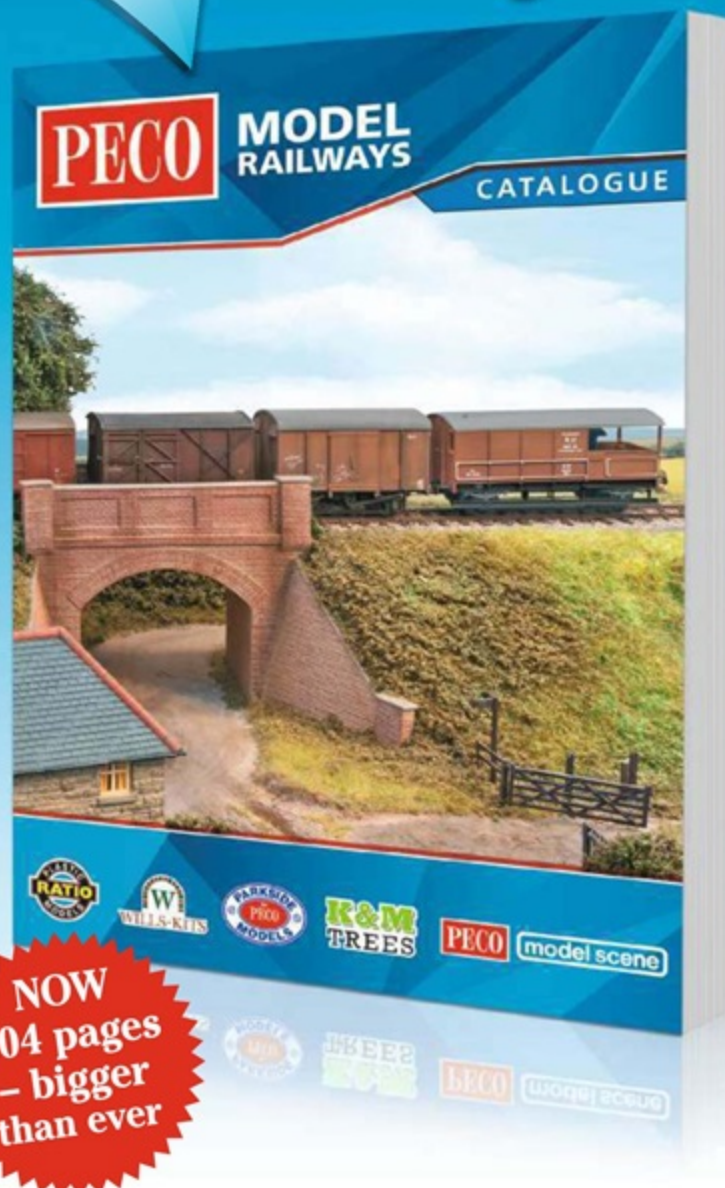
Visit our well stocked shop, 200 yards from Talbot Rd. Bus Station (Blackpool North Railway Station 400 yards). Open Mon to Sat 9.30 to 5.00

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

The Go-to Resources for your hobby



More than just a catalogue!

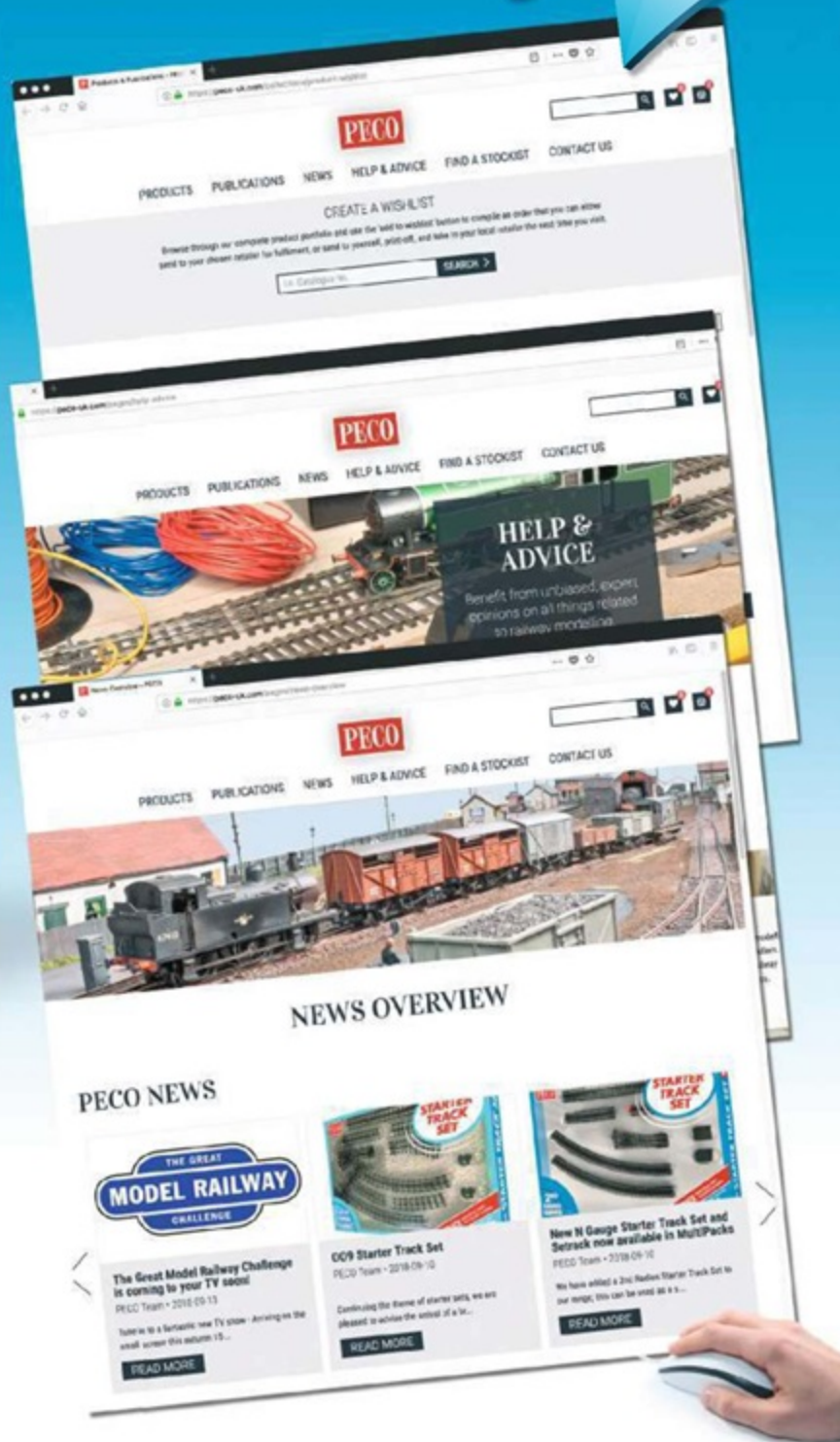
In this new edition you'll find updated and expanded information on all the latest Peco products including Ratio, Wills, K&M Trees, Modelscene and now the full Parkside range.

There's also helpful advice on laying track and ballast, developing landscapes, plus practical modelling tips on building baseboards, painting techniques, understanding wiring and electrics, backscenes and more!

It's not just a products catalogue — it is your essential modelling companion.

Available from all authorised retailers or direct from Peco.

**ONLY
£4.95**



Right on track for the digital age!

The new look Peco Products and Publications website is better than ever. Create Wish Lists, download Track Templates and Instructionals, watch PECO TV for technical advice, search our full UK retail directory, catch up with the latest news in the hobby and much more!

PECO www.peco-uk.com





Auhagen OO/HO Modular System

Choose a shell



80050 Modular Building Set
£27.18



11422 Factory Building
£56.27



11438 Warehouse
£22.63

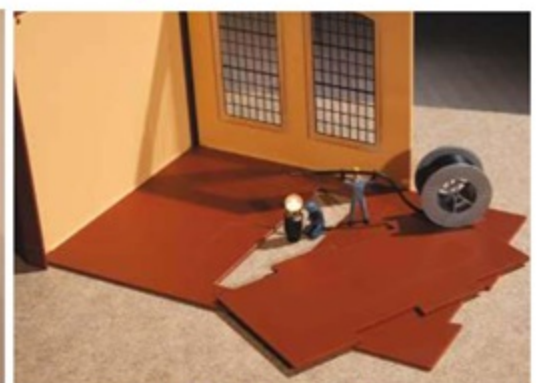
Add the componants and fixtures to customise your model



80308 Sawtooth Factory Roof
£15.91



80211 Film For Windows
£3.28



80350 Floor Tiles
£6.82



80505 Brick Walls With Gates
£7.73



80107 Bar Storage & Wall Crane
£12.28



80104 Pipe Conduits
£14.46



80108 Cyclone Extraction Unit
£8.64



80205 Brick Filled Windows
£4.37



80210 Large Industrial Windows
£6.10

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

Airbrushes.com

The Airbrush Company Ltd



iwata

SPARMAX
Air Compressor
ZETA



SHA-NR



SharpenAir™ is the first and only hand-held device that is designed specifically for repairing bent and damaged airbrush fluid needles.



IW-HP-CH

Iwata Airbrushes
- the world's leading manufacturer of high quality professional spray equipment.

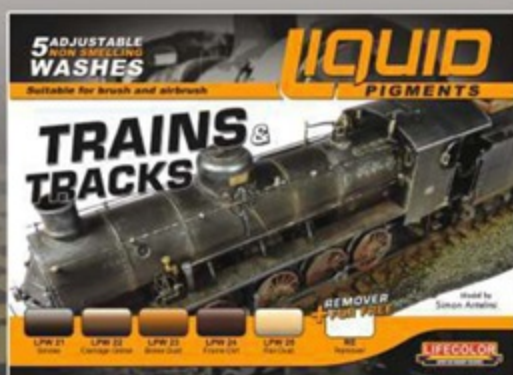


C-AC-ZETA



Position the Smart-Stop hanger and regulator on your worktop!

The Smart-Stop Hanger pauses the compressor when airbrush is placed into hanger and restarts when airbrush is taken off again.



LIQUID
PIGMENTS

aqua
LINE

W

DARKSTAR

Alclad II

LIFECOLOR
ACRYLIC HOBBY COLORS

www.Airbrushes.com

01903 767800

sales@airbrushes.com

All New OO Class 66

Developed & Manufactured by Hatton's Model Railways

30+ versions available from a variety of freight companies, including:



Research Stage
Complete

CAD Work
Complete

First EP
Complete

Painted Sample
In Progress

Release
Due March 2019

Diecast Chassis • 21-Pin Digital • 5-Pole Motor • Fully Detailed Cab • Rotating Axleboxes
Multiple Lighting Options • Standard & Low Emission Body Styles • Etched Grilles



- H4-66-001** 66005 in EWS livery
- H4-66-002** 66079 in EWS livery "James Nightall G.C."
- H4-66-003** 66125 in EWS livery
- H4-66-004** 66207 in EWS livery
- H4-66-005** 66088 in EWS livery with DB branding
- H4-66-006** 66097 in DB Schenker livery
- H4-66-007** 66118 in DB Schenker livery
- H4-66-008** 66033 in Euro Cargo Rail livery with EWS branding
- H4-66-009** 66218 in Euro Cargo Rail livery with DB branding
- H4-66-010** 66404 in DRS compass livery
- H4-66-011** 66433 in DRS compass livery
- H4-66-012** 66301 in DRS plain livery "Kingmoor TMD"
- H4-66-013** 66429 in DRS plain livery
- H4-66-014** 66502 in Freightliner livery "Basford Hall Centenary 2001"



- H4-66-015** 66513 in Freightliner livery
- H4-66-016** 66593 in Freightliner livery "3MG Mersey Multimodal Gateway"
- H4-66-017** 66621 in Freightliner livery

H4-66-018 66957 in Freightliner livery "Stephenson Locomotive Society 1909-2009"

H4-66-019 66418 in Freightliner Powerhaul livery "Patriot"

H4-66-020 66504 in Freightliner Powerhaul livery

H4-66-021 66528 in Freightliner Powerhaul livery "Madge Elliot MBE - Borders Railway Opening 2015"



H4-66-022 66704 in GBRf original livery

H4-66-023 66705 in GBRf original livery with Union Flag "Golden Jubilee"

H4-66-024 66727 in GBRf/First group livery "Andrew Scott CBE"

H4-66-025 66731 in GBRf/First group livery

H4-66-026 66740 in GBRF Europorte livery "Sarah"

H4-66-027 66756 in GBRF Europorte livery "Royal Corps of Signals"

H4-66-028 66762 in GBRF Europorte livery

H4-66-029 66847 in Colas Rail Freight livery

H4-66-030 66848 in Colas Rail Freight livery



H4-66-031 66789 in BR Large Logo blue "British Rail 1948-1997"

H4-66-032 66783 in Biffa red "The Flying Dustman"

Digital Ready: **£150**

Digital Fitted: **£165**

Sound Fitted: **£265**

See the full list of specifications and more at: www.hattons.co.uk/66

Forthcoming Releases from Hornby & Dapol

All available to pre-order now at: www.hattons.co.uk

HORNBY 2018 Range Announced - see the full range at www.hattons.co.uk/hornby2018

SR 'Lord Nelson' 4-6-0

Pre-order from £153. TTS-fitted £175.50
Due in Stock: January 2019



R3603TTS 30850 "Lord Nelson" in BR green with late crest - TTS sound fitted
R3634 851 "Sir Francis Drake" in Southern Railway olive green
R3635 30863 "Lord Rodney" in BR green with early emblem

Class W4 Peckett 0-4-0ST

Pre-order for £90
Due in Stock: Dec 2018 to Feb 2019



R3680 'Forest No.1' in Charity Colliery lined green
R3640 882 "Niclauss" in Peckett works leaf green
R3679 74 in Port of London Authority lined blue

Class 800 IET

Pre-order from £243
Due in Stock: Oct 2018 (R3691)
Jan 2018 (R3609)



R3609 800003 'Queen Elizabeth II' 2-car set in GWR green
R3691 800010 "Paddington Bear" 5-car set in GWR green

LNER 20-ton Toad Brake van

Pre-order for £19.80
Due in Stock: December 2018



R6833 140422 in LNER bauxite
R6833A 140526 in LNER bauxite
R6834 E175712 in BR grey
R6834A E1788614 in BR grey

Class J36 0-6-0

Pre-order from £126. TTS-fitted £148.50
Due in Stock: December 2018



R3600TTS 673 "Maude" in North British Railway lined black - as preserved - TTS sound fitted
R3621 851 722 in LNER black
R3622 65311 "Haig" in BR black with early emblem

Class 8P Streamlined Princess Coronation 4-6-2

Pre-order for £171
Due in Stock: February 2019



©Hugh Llewelyn
R3677 6229 "Duchess of Hamilton" in LMS crimson lake - as preserved
R3623 6221 "Queen Elizabeth" in LMS coronation blue
R3639 6244 "King George VI" in LMS maroon

dapol Forthcoming Items

See the full range of forthcoming items from Dapol at www.hattons.co.uk/dapolpreorders

N Gauge

Class 142 DMU

Pre-order from £115.18
Due in Stock: September/October 2018



ND116A 142065 in Northern Rail livery
ND116B 142081 in Regional Railways livery
ND116C 142025 in Northern Spirit livery
ND116D 142085 in Arriva Trains Wales livery
ND116E 142021 in Tyne and Wear PTE livery

Class 50

Pre-order from £123.21
Due in Stock: March 2019



2D-002-000 D406 in BR blue - unrefurbished
2D-002-001 50043 in BR blue - unrefurbished
2D-002-002 50040 "Leviathan" in BR large logo blue
2D-002-003 50037 "Illustrious" in original Network SouthEast livery

OO Gauge

Class 43xx GWR Mogul 2-6-0

Pre-order from £135.96
Due in Stock: March 2019



4S-043-001 6336 in GWR green with Great Western lettering
4S-043-002 6385 in GWR green with shirtbutton emblem
4S-043-003 GWR green with BR smokebox numberplate
4S-043-004 7324 in BR black with early emblem
4S-043-005 6364 in BR lined green with early emblem
4S-043-006 7310 in BR lined green with late crest

Class 59

Pre-order from £124.43
Due in Stock: Feb/March 2019



4D-005-000 59002 "Alan J Day" in Foster Yeoman livery
4D-005-001 59103 "Village of Mells" in ARC livery
4D-005-002 59206 "John F Yeoman" in DB Schenker livery
4D-005-003 59204 "Vale of Glamorgan" in National Power livery

O Gauge

Class Y3 Sentinel 4wVB

Pre-order from £148.75
Due in Stock: December 2018



7S-005-001 42 in LNER black
7S-005-002 68163 in LNER black
7S-005-003 7164 in LMS black
7S-005-004 7160 in LMS black
7S-005-005 68164 in BR black with early emblem
7S-005-006 2 "Isebrook" in GWR green
7S-005-007 14 in National Coal Board livery

BR 20-ton brake van

Pre-order from £67.96
Due in Stock: November 2018



8 versions available in various liveries, including: BR grey & BR bauxite. Un-numbered versions available. Codes are: 7F-200-001 to 7F-200-008

Pre-orders accepted
via credit or debit card only
Pre-order prices subject to manufacturer RRP.

Welcome to our project update feature, with the latest status of forthcoming releases from all major manufacturers. Use it to see the progress of projects you are interested in. The web address in the "link" column can be used to view products online, and to place your preorders.

0151 733 3655

17 Montague Road,
Widnes, WA8 8FZ

Phone opening times
Mon to Sat 7:30am-6pm
Sun 9am-5pm

Shop opening times
Mon to Sun 9am-5pm

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
LSWR Class B4 0-4-0T	hattons.co.uk/b4	from £93.50	Apr 2014							
N Gauge Class 142	hattons.co.uk/c142	from £115.18	Jan 2011							
YCV Turbot Ballast wagon	hattons.co.uk/tur	£21.21	Apr 2014							
Bogie Bolster 'E' wagon	hattons.co.uk/bolstere	£25.45	Sep 2018							
Class 59	hattons.co.uk/dapol59	from £124.43	Oct 2015							
GWR 'Large Prairie' 2-6-2T	hattons.co.uk/dapolprairie	from £115.56	Dec 2017							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
SECR P Class 0-6-0T	hattons.co.uk/pclass	£99	Sep 2017							
Andrew Barclay 14" & 16" 0-4-0ST	hattons.co.uk/barclay	£99	Sep 2017							
Beilhack ZZA Snowplough	hattons.co.uk/beilhack	£43	Oct 2016							
O Gauge Class A3/A4	hattons.co.uk/recordbreakers	£750	Aug 2016							
Rail Head Treatment Train (RHTT)	hattons.co.uk/RHTT	from £118	Nov 2017							
FEA Intermodal Wagons	hattons.co.uk/FEA	from £32	Nov 2017							
Class 66	hattons.co.uk/66	from £150	May 2018							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Class 47xx 'Night Owl' 2-8-0	hattons.co.uk/47xx	£154	Nov 2014							
Class 07 Shunter	hattons.co.uk/cl07	£111	Jan 2016							
O Gauge Class 50 (Refurbished)	hattons.co.uk/hel50	£560	Apr 2017							
O Gauge Class 37/4	hattons.co.uk/hel374	£509.15	Nov 2017							
Class 25/3	hattons.co.uk/253	£129 (EST)	Jul 2018							
GWR AEC Railcar	hattons.co.uk/gwraec	£115 (EST)	Sep 2018							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
Hitachi IEP Class 800	hattons.co.uk/IEP800	from £239	Nov 2016							
Class 87	hattons.co.uk/hornby87	from £144	Nov 2016							
SR 'Lord Nelson' 4-6-0	hattons.co.uk/lordnelson	from £153	Jan 2018							
NBR Class J36 0-6-0	hattons.co.uk/J36	from £126	Jan 2018							

	Link	Price	Date announced	CAD done	In Tooling	Seen 1st EP	Decorated samples	In production	On Board Ship	Released
5 Plank Open Wagon	hattons.co.uk/ox5p	£10	Jan 2016							
GER/LNER Class N7 0-6-2T	hattons.co.uk/oxN7	from £87	Jan 2017							
BL 18" Howitzer Railgun	hattons.co.uk/railgun	from £42.50	Jan 2018							

 Shows the stage the project is at based on the information available to us. CAD: Computer Aided Design. 1st EP: First Engineering Prototype. TBC: Price is yet To Be Confirmed (EST): Price is estimated.

You can view extended lists, preorder & comment on all of these projects at

www.hattons.co.uk/projectupdates

Information correct at the time of going to press on 05/10/18.



17 Montague Road, Widnes, WA8 8FZ
T: 0151 733 3655 E: info@hattons.co.uk

Est.1946

OO Gauge (1:76 Scale) Steam locos



R3612 80th Anniversary of World Steam Record pack gold-plated Class A4 4468 "Mallard" and commemorative box set (Hor).....£184



H4-AB14-004 Andrew Barclay 0-4-0ST 14" 1863 in Caledonian Railway lined blue (Hat).....£99



H4-AB14-002 Andrew Barclay 0-4-0ST 14" 2047 '705' in GWR green shirtbutton roundel (Hat).....£99



H4-AB16-002 Andrew Barclay 0-4-0ST 16" 2043 'No 6' in NCB green (Hat).....£99



H4-AB16-001 Andrew Barclay 0-4-0ST 16" 2244 'No.10' in NCB lined black (Hat).....£99



1303 Class 1361 0-6-0ST 1365 in BR black early emblem (Hel).....£135.95



R3692 Class 14xx 0-4-2T 1424 in BR green late crest (Hor).....£51



31-127 Class 30xx 2-8-0 ROD 3023 in BR black early emblem (Bac) (RRP £129.95).....£69



32-227DS Class 3F Jinty 0-6-0T 7365 in LMS black - DCC sound fitted (Bac).....£182.71



4780 Class 47xx 2-8-0 'Night Owl' 4704 in GWR green shirtbutton emblem (Hel).....£154



4784 Class 47xx 2-8-0 'Night Owl' 4705 in BR lined green late crest (Hel).....£154



4781 Class 47xx 2-8-0 'Night Owl' 4705 in GWR green Great Western lettering (Hel).....£154



4782 Class 47xx 2-8-0 'Night Owl' 4707 in GWR green post-war GW lettering (Hel).....£154



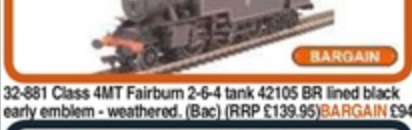
4785 Class 47xx 2-8-0 'Night Owl' 4709 in BR lined green late crest - as preserved (Hel).....£154



H1403 Class 48xx 0-4-2T 4871 in GWR Unlined green Shirtbutton logo - Lightly weathered (DJ).....£99



R3313 Class 4F 0-6-0 4323 in LMS Black (Hor) (RRP £99.99).....£58



32-881 Class 4MT Fairburn 2-6-4 tank 42105 BR lined black early emblem - weathered. (Bac) (RRP £139.95).....£94



32-078 Class 56xx 0-6-2T 5637 in GWR green (Bac) NEW. £97.71



R3385TTS Class 5MT Black 5 4-6-0 45116 in BR black early emblem - TTS sound fitted (Hor).....£170



31-187DS Class 5XP Jubilee 4-6-0 5588 "Kashmir" in LMS crimson welded Stanier tender - DCC sound fitted (Bac) £212.46



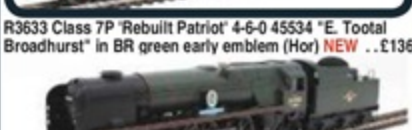
R3332 Class 6000 King 4-6-0 'King Edward VIII' in BR Late Crest Green (Hor) (RRP £159.99).....£114



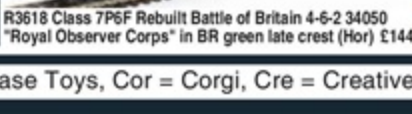
R3614 Class 6P 'Rebuilt Patriot' 4-6-0 5521 "Rhyll" in LMS black (Hor) NEW.....£136



31-214 Class 6P Patriot 4-6-0 45538 "Giggleswick" in BR Green early emblem (Bac) (RRP £164.95).....£119



R3633 Class 7P 'Rebuilt Patriot' 4-6-0 45534 "E. Tootal Broadhurst" in BR green early emblem (Hor) NEW ..£136



R3618 Class 7P6F Rebuilt Battle of Britain 4-6-2 34050 "Royal Observer Corps" in BR green late crest (Hor) £144



R3617 Class 8P Rebuilt Merchant Navy 4-6-2 35030 "Elder Dempster Lines" in BR green late crest (Hor).....£136



32-850A Class 9F 2-10-0 92220 "Evening Star" in BR green late crest (Bac).....£161.46



R3086 Class A1 4-6-2 4472 "Flying Scotsman" in LNER apple green - Railroad Range (Hor) (RRP £110.99).....£55



R3284TTS Class A1 4-6-2 4472 "Flying Scotsman" in LNER Green TTS Sound - Railroad range (Hor).....£108



R3060 Class A1 4-6-2 60163 "Tornado" in British Railways Apple Green (Railroad Range) (Hor) (RRP £100.99).....£68



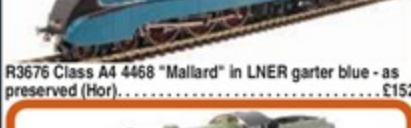
31-531 Class A2 4-6-2 60536 "Trimbrush" in BR lined green early emblem (Bac) (RRP £179.95).....£121



R3312 Class A3 4-6-2 60062 "Minoru" in BR Green early emblem (Hor) (RRP £154.99).....£94



R3630 Class A4 4-6-2 4493 "Woodcock" in LNER apple green (Hor).....£136



R3676 Class A4 4468 "Mallard" in LNER garter blue - as preserved (Hor).....£152



R3338 Class B1 4-6-0 61310 in BR Apple Green (Hor) (RRP £155.99).....£87



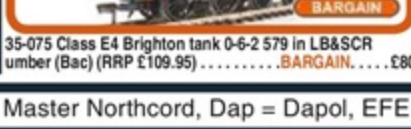
R3004 Class B17 4-6-0 61631 "Serlby Hall" in BR Green early emblem - weathered (Hor) (RRP £131.99).....£79



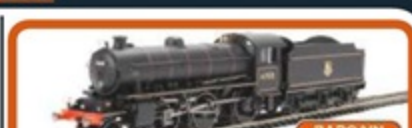
31-138 Class D11/2 4-4-0 62682 "Haystoun of Bucklaw" in BR black early emblem (Bac) (RRP £139.95).....£99



R3235 Class D16/3 "Claud Hamilton" 4-4-0 E2524 in early BR Black (Hor) (RRP £109.99).....£73



35-075 Class E4 Brighton tank 0-6-2 579 in LB&SCR umber (Bac) (RRP £109.95).....£80



R3242A Class K1 2-6-0 62032 in BR Black early emblem (Hor) (RRP £129.99).....£82



3913 Class O2/3 Tango 2-8-0 63952 in BR black late crest stepped tender (Hel) (RRP £184.95).....£89



3920 Class O2/4 Tango 2-8-0 3962 in LNER black flush tender (Hel) (RRP £184.95).....£89



3922 Class O2/4 Tango 2-8-0 63975 in BR black late crest flush tender (Hel) (RRP £184.95).....£89



3923 Class O2/4 Tango 2-8-0 63982 in BR black late crest flush tender (Hel) (RRP £184.95).....£89



3921 Class O2/4 Tango 2-8-0 63983 in BR black early crest flush tender (Hel) (RRP £184.95).....£89



R3208 Class V Schools 4-4-0 30915 "Brighton" in BR Black early emblem (Hor) (RRP £139.99).....£89



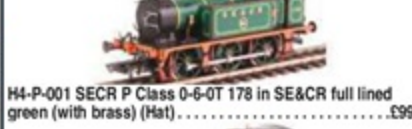
R3550 Class W4 Peckett 0-4-0ST 883 in Lillieshall Co (Hor).....£99.99



R3419 Drummond Class 700 0-6-0 693 in Southern Railway black (Hor) (RRP £124.99).....£69



4S-018-002 LSWR Class B4 0-4-0T 90 "Caen" in Southampton Docks brown (Dap).....£93.50



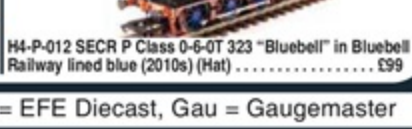
H4-P-010 SECR P Class 0-6-0T "Pride of Sussex" in Robertsbridge Flour Mill green (Hat).....£99



H4-P-001 SECR P Class 0-6-0T 178 in SE&CR full lined green (with brass) (Hat).....£99



H4-P-015 SECR P Class 0-6-0T 27 in SE&CR full lined green (with polished brass) (Hat).....£99



H4-P-016 SECR P Class 0-6-0T 31556 in BR black early emblem (Hat).....£99



**UK P&P £4 per order
£2 per single diecast item
£7 guaranteed Next Day delivery
(Orders before 2pm)**



H4-P-002 SECR P Class 0-6-0T 753 in SE&CR full lined green (with brass) (Hat) £99



31-980 Standard Class 3MT 2-6-2T 82020 in BR green late crest - weathered (Bac) (RRP £139.95) BARGAIN £99



32-353 Standard Class 4MT 2-6-4T 80135 in BR green late crest (As Preserved) (Bac) (RRP £134.95) BARGAIN £99



R9287 Thomas and Friends - 0-6-0T No.1 Thomas the Tank Engine (Hor) £36

Steam train packs



R3299 'Going Home' train pack - 70th Anniversary of the end of WWII Black 5 4-6-0 5156 in LMS Black and 3 x LMS Period 3 Coaches - Ltd Ed (Hor) (RRP £289.99) BARGAIN £150



R3607 15 Guinea Special anniversary train pack Class 7P 4-6-2 70013 'Oliver Cromwell' and 3 Mk1 coaches (Hor) NEW £270

Diesel locos



10001HAP 10001 BR Brunswick green orange, black & orange lining, Aug 1956 - Oct 1957, (Dap) (RRP £105) BARGAIN £94



2503 Class 05 Hunslet shunter 'Cider Queen' in green wasp stripes (Hel) (RRP £129.95) BARGAIN £69



2500 Class 05 Hunslet shunter D2574 in BR green (Hel) (RRP £129.95) BARGAIN £69



2523 Class 05 Hunslet shunter Departmental No.88 in BR green wasp stripes (Hel) (RRP £129.95) BARGAIN £69



2930 Class 07 shunter 07001 in Harry Needle Railroad Company - Exclusive to Hattons Model Railways (Hel) £111



1409 Class 14 D9531 in BR green - as preserved (Hel) £110.46



4D-012-007 Class 22 D6321 in BR green small yellow panels and headcode boxes (Dap) £127.46



2813 Class 28 CoBo D5706 in BR green small yellow ends (Hel) £110.46



32-790 Class 37/0 37049 'Imperial' in Railfreight Coal Sector triple grey (Bac) £135.96



32-789 Class 37/0 37099 'Merl Evans 1947-2016' in Colas Rail Freight (Bac) £135.96



32-377A Class 37/4 37401 'Mary Queen Of Scots' in BR large logo blue (Bac) £117.26



32-370 Class 37/4 37405 in DRS Compass blue (Bac) £117



R3392TTS Class 40 40164 in BR blue - TTS sound fitted - Railroad Range (Hor) (RRP £99.99) BARGAIN £74



32-482 Class 40 97407 'Aureol' in BR blue - weathered (Bac) (RRP £179.95) BARGAIN £119



32-651A Class 44 44006 'Whenside' in BR blue - weathered (Bac) NEW £127.46



R3658 Class 50 50033 'Glorious' in revised Network SouthEast (Hor) £135



R3653 Class 50 50040 'Leviathan' in BR large logo blue (Hor) £144



5311 Class 53 D0280 'Falcon' in BR two tone green - Ltd Ed (Hel) (RRP £125) BARGAIN £94



32-534DS Class 55 Deltic 55004 'Queen's Own Highlander' in BR blue - DCC sound fitted (Bac) £225.21



R3660 Class 56 56303 in Devon and Cornwall Railways green (Hor) £136



5826 Class 58 58028 in unbranded Triple Grey (Hel) (RRP £125) BARGAIN £96



R3666 Class 59/0 59004 'Paul A. Hammond' in Yeoman Aggregates - Railroad Range (Hor) £68



32-733DS Class 66 66040 in EWS - DCC sound fitted (Bac) £225.21



31-590 Class 70 70015 in Freightliner air intake modifications (Bac) £144.46



4000 Hawker Siddeley Brush HS4000 'Kestrel' prototype diesel electric loco (Hel) (RRP £155) BARGAIN £129

HSTs



R3685 Pair of Class 43 HST Power Cars 43041 'Meningitis Trust Support for Life' and 43005 in GWR green (Hor) NEW £261



R3510 Pair of Class 43 HST Power Cars 43187 and 43188 in GWR green - Ltd Ed (Hor) £246

Electric locos



7700 Class 77 EM2 Woodhead electric 27000 'Electra' in BR black early emblem - gloss finish - Ltd Ed for Olvivas Trains (Hel) (RRP £165) BARGAIN £129



R3582 Class 87 87010 'King Arthur' in Intercity Swallow (Hor) NEW £144



R3580 Class 87 87035 'Robert Burns' in BR Blue (Hor) £144



R3480 Class 92 92016 'Brahms' in Railfreight grey EWS 'Beastie' vinyls (Hor) (RRP £99.99) BARGAIN £52



9002 Metropolitan Bo-Bo electric 1 in London Transport wartime grey (Hel) (RRP £139.95) BARGAIN £74



9009 Metropolitan Bo-Bo electric 12 'Sarah Siddons' in London Transport/Metropolitan (1990s preserved condition) (Hel) (RRP £139.95) BARGAIN £74



9008 Metropolitan Bo-Bo electric 12 'Sarah Siddons' in Metropolitan (As currently preserved) (Hel) (RRP £139.95) BARGAIN £74

DMUs



8920 Class 128 parcels DMU 55991 in BR blue yellow ends 'Parcels Service' branding (Hel) (RRP £119.95) BARGAIN £59



32-939DS Class 150 150236 in Arriva Trains Wales passenger figures and DCC sound (Bac) £297.46



32-937 Class 150/2 2 car DMU 150202 in Regional Railways Centro blue stripe (Bac) (RRP £164.95) BARGAIN £96



30-425 Class 251 Midland Pullman train pack in Pullman nanking blue - Collectors Edition (Bac) £490

DEMs



31-236A Class 205 'Thumper' 1121 in BR green small yellow panel - weathered (Hel) £203.96

EMUs



R3606 5-BEL Pullman Brighton Belle EMU end vehicles in Pullman umber and cream small yellow panels (Hor) NEW £160



R3341 Class 2-HAL 2 Car EMU 2677 in BR blue (Hor) (RRP £130.25) BARGAIN £62



R4871 Pack of three centre coaches for 5-BEL Brighton Belle in Pullman umber and cream (Hor) £144

Track Maintenance vehicles



B800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum in blue (Dap) £64

Train sets - analogue



R1176 Class 373 'Eurostar' Train Set (Hor) (RRP £169.99) BARGAIN £129



R1167 Flying Scotsman Train Set 3 x LNER coaches (loco has 3-pole motor) (Hor) £130



R9283 Thomas the Tank Engine starter Train Set (Hor) £55

Visit

www.hattons.co.uk/new

for all new releases

Train sets - digital



R1126 Mixed Freight DCC digital train set Class 08 0-6-0 BR diesel electric loco, steam loco & 4 wagons (Hor) (RRP £264.99) **BARGAIN**...£170



R1125 Somerset Belle train set Class 3F 0-6-0 S&DJR 0-6-0 steam loco & 3 wagons - DCC control (Hor) (RRP £210.99) **BARGAIN**...£130

Coaches



R4831 GWR A30 autococh 190 in GWR chocolate and cream (Hor) **NEW**...£34



R4873 LMS Stanier Period III coaches in LMS Coronation Scot crimson lake - pack of three - Railroad Range (Hor) **NEW**...£64



R4853 Mk3 FO first open 41099 in Intercity Swallow (Hor) **NEW**...£31.50



R4853 Mk3 FO first open 41099 in Intercity Swallow (Hor) **NEW**...£31.50



R4851 Mk3 TRFB buffet 40711 in Intercity Swallow (Hor) **NEW**...£31.50

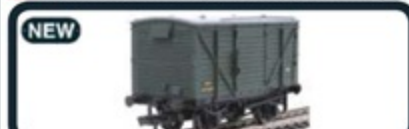


R4860 Pullman J Type 'Devon Belle' observation car No.13 in Pullman umber and cream (Hor)...£60

Wagons



R6855 20 ton tank wagon 'Pumphreys Oil Co., Glasgow' (Hor) **NEW**...£16.96



R6854 4-plank open wagon 'Stonehouse Brick & Tile Co.' (Hor) **NEW**...£13



R6884 6-wheel Milk Tanks 'Express Dairy' (Hor) **NEW**...£38



R6885 Pack of three HEA coal hopper wagons in EWS maroon (Hor) **NEW**...£38



R6887 PTA 102 ton bogie wagon PR26552 in Yeoman Aggregates grey - Railroad Range (Hor)...£15



H4-WW-001A Warwell wagon 50t diamond frame bogies MS.3 in WD (GWR) (Hat) **NEW**...£33



R6872 6-plank open wagon 'John Lancaster & Co.' (Hor) **NEW**...£13



H4-BH-004 Beilhack snow plough (ex Class 40) ZZA ADB965579 in BR yellow 'Stratford Shark' (Hat) **NEW**...£43



38-900 BR Mk1 carflat wagon in BR bauxite (Bac) **NEW**...£31.41



38-901 BR Mk1 carflat wagon in BR Blue (Bac) **NEW**...£31.41



38-902 BR Mk1 carflat wagon in BR blue MotoRail branding (Bac) **NEW**...£31.41



4F-026-013 HIA aggregate limestone hopper 369006 in Freightliner green (Dap) **NEW**...£22.52



4F-026-014 HIA aggregate limestone hopper 369012 Freightliner green (Dap) **NEW**...£22.52



4F-026-015 HIA aggregate limestone hopper 369018 Freightliner green (Dap) **NEW**...£22.52



4F-026-016 HIA aggregate limestone hopper 369019 Freightliner green (Dap) **NEW**...£22.52



R6847 OTA timber wagon in in EWS maroon parallel stanchions (Hor) **NEW**...£24



R6885 Pack of three HEA coal hopper wagons in EWS maroon (Hor) **NEW**...£38



R6887 PTA 102 ton bogie wagon PR26552 in Yeoman Aggregates grey - Railroad Range (Hor)...£15



H4-WW-001A Warwell wagon 50t diamond frame bogies MS.3 in WD (GWR) (Hat) **NEW**...£33

Digital decoders

DCC-AD218-6 6 function DCC 21-pin to 8-pin adaptor/converter - allows use of an 8-pin decoder in a loco a 21-pin socket - alternative to Bachmann 36-559 (DCC) **NEW**...£4.50

Digital controllers



R8214 DCC Elite unit digital controller (Hor) **NEW**...£210



R8213 DCC Select unit (boxed) (Hor) **NEW**...£98

Point motors



R6243 Surface Mounted point motor (Hor) **NEW**...£8.50

Model railway spares

SL-110 Finescale rail joiners/plates (for code 70, 75 & 83) for OO & HO gauge - Pack of 24 (Pec) **NEW**...£2



SL-100 Single (Pec) **NEW**...£3

Buildings - railways

532 Coal depot stables - plastic kit (Rat) **NEW**...£9



529 Oil Depot - plastic kit (Rat) **NEW**...£13.50

Man-made scenic structure - railway-related



R070 Electrically Operated Turntable (Hor) **NEW**...£64

Buildings - general



99660 Art Deco Bus Garage and bus (EFE) **NEW**...£72.21



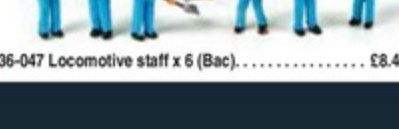
44-0085 Industrial Gate House (Bac) **NEW**...£80.71



44-0088 Industrial Stores and Canopy (Bac) **NEW**...£46.71

Grass, Ground, Lichen, Hedges & Foliage

PSG-21 Daffodil tuft strips - 130mm - pack of ten (Pec) **NEW**...£5



36-047 Locomotive staff x 6 (Bac) **NEW**...£8.46

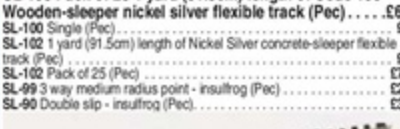
R601 Double Straight (Hor) **NEW**...£2
R601 Box of 24 (Hor) **NEW**...£47



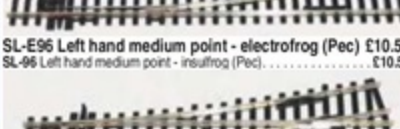
R6072 Left Hand Standard Point (Hor) **NEW**...£9.50
R6073 Right Hand Standard Point (Hor) **NEW**...£9.50
ST-241 Setrack No.2 radius left handed point insulfrog (Pec) **NEW**...£9
ST-240 Setrack No.2 radius right handed point insulfrog (Pec) **NEW**...£9
ST-204 Setrack Quad Straight (670mm) (Pec) **NEW**...£3.50
ST-204 Box of 24 (Pec) **NEW**...£76



SL-100 Pack of 25 1 yard (91.5cm) length of Code 100 Wooden-sleeper nickel silver flexible track (Pec) **NEW**...£66



SL-102 1 yard (91.5cm) length of Nickel Silver concrete-sleeper flexible track (Pec) **NEW**...£3



SL-E96 Left hand medium point - electrofrog (Pec) **NEW**...£10.50



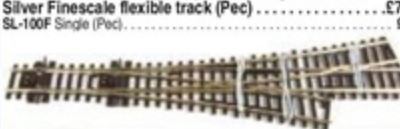
SL-E92 Left hand small point - electrofrog (Pec) **NEW**...£9.50



SL-E95 Right hand medium point - electrofrog (Pec) **NEW**...£10.50



SL-E91 Right hand small point - electrofrog (Pec) **NEW**...£9.50



SL-100F 1 yard (91.5cm) length of Code 75 Wooden-sleeper nickel silver bullhead rail flexible track (Pec) **NEW**...£4



SL-100F Box of 25 (Pec) **NEW**...£100



SL-E199 3 way finescale medium radius point - electrofrog (Pec) **NEW**...£29



SL-E190 Finescale double slip - electrofrog (Pec) **NEW**...£38



SL-E196 Finescale left hand medium point - electrofrog (Pec) **NEW**...£11.50



SL-E195 Finescale right hand medium point - electrofrog (Pec) **NEW**...£11.50



SL-U1188 Right hand large radius bullhead rail point - unfrog (Pec) **NEW**...£26

Railway publications

PM-208 Guide to O gauge Railway Modelling bookazine - 124 pages (Pec) **NEW**...£6.99

Buses



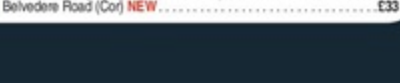
UK6506 ADL Enviro400 MMC - 'First Bristol' (Nor) **NEW**...£48



25006 Bristol RE flat front 'Devon General' (EFE) **NEW**...£25.45



OM43917A Guy Utility Bus, Burton Corporation, 6 Anglesey Rd via Station & Uxbridge St. (Cor) **NEW**...£33



OM43917B Guy Utility Bus, Burton Corporation, 6 Calais Rd via Station & Belvedere Road (Cor) **NEW**...£33

Prices valid until 21/11/18

All prices correct
when going to press.
Errors excepted.



Cars



76SOM002 Austin Somerset Buckingham Green (Oxf) NEW £5
76CT006 Citroen 2CV Charleston commander grey / midnight grey (Oxf) NEW £4.50



Military ground vehicles



76COR008 Ford Cortina Mk2 Ermine White/Sherwood Green (Oxf) NEW £4.50
76DIS005 Land Rover Discovery 4 Firenze Red (Oxf) NEW £4.50



76LRF001 Land Rover FC Signals Nato Green Camouflage (Oxf) NEW £8.50
76VW031 Volkswagen VW van RAF Police (Oxf) NEW £5
A01313V WW1 Mk1 Male tank - Airfix Classics range - plastic kit (Axi) NEW £5.50



76RCL002 Range Rover Classic Darien Gap (Oxf) NEW £5
76P38002 Range Rover P38 Monte Carlo Blue (Oxf) NEW £5



76TR7002 Triumph TR7 Convertible Persian Aqua Metallic (Oxf) NEW £5
76VW029 VW Bay Window Auf Wiedersehen Pot (Oxf) NEW £4.50
76VW010 VW Beetle Pastel Blue (Oxf) NEW £4.50

Public Service vehicles



Commercial vehicles



76DAF004 DAF 85 Short Fridge Trailer Trevor Pye (Oxf) NEW £19.50



76TPU002 Ford Transit Dropside Network Rail (Oxf) NEW £10



76QLR003 Bedford QLR 8 Corps HQ (Oxf) NEW £12
A01304V Churchill Mk 7 tank - Airfix Classics range - plastic kit (Axi) NEW £5.50



76LRF001 Land Rover FC Signals Nato Green Camouflage (Oxf) NEW £8.50
76VW031 Volkswagen VW van RAF Police (Oxf) NEW £5
A01313V WW1 Mk1 Male tank - Airfix Classics range - plastic kit (Axi) NEW £5.50



76MCS003 Mini Cooper MkII Tartan Red/Black (Oxf) NEW £4.50



76P38002 Range Rover P38 Monte Carlo Blue (Oxf) NEW £5



76TR7002 Triumph TR7 Convertible Persian Aqua Metallic (Oxf) NEW £5
76VW029 VW Bay Window Auf Wiedersehen Pot (Oxf) NEW £4.50
76VW010 VW Beetle Pastel Blue (Oxf) NEW £4.50

76VW029 VW Bay Window Auf Wiedersehen Pot (Oxf) NEW £4.50
76VW010 VW Beetle Pastel Blue (Oxf) NEW £4.50

76VW010 VW Beetle Pastel Blue (Oxf) NEW £4.50



76GDSF001 Burrell 8hp DCC Showmans Locomotive 'The Masterpiece' (Oxf) NEW £12.50

76GDSF001 Burrell 8hp DCC Showmans Locomotive 'The Masterpiece' (Oxf) NEW £12.50

HSTs



2D-019-008 Class 43 HST 4-car book set in GNER blue (Dap) NEW £160.89

Coaches

374-432 Bulleid 63ft brake third corridor open BR malachite green (Gra) NEW £29.71
374-432A Bulleid 63ft brake third corridor open BR malachite green (Gra) NEW £29.71



374-462 Bulleid 63ft composite corridor in BR malachite green (Gra) NEW £29.71
374-442 Bulleid 63ft third corridor in BR malachite green (Gra) NEW £29.71



374-681A Mk2A BSO brake second open 9419 in Direct Rail Services (Gra) NEW £29.71
2P-005-921 Mk3 TFO first open 41044 in GNER blue (Dap) NEW £21.39
2P-005-920 Mk3 TFO first open 41090 in GNER blue (Dap) NEW £21.39



2P-005-932 Mk3 TSO second open 42063 in GNER blue (Dap) NEW £21.39
2P-005-933 Mk3 TSO second open 42064 in GNER blue (Dap) NEW £21.39
2P-005-931 Mk3 TSO second open 42127 in GNER blue (Dap) NEW £21.39



2F-038-050 20-ton steel mineral wagon 315750 in BR grey (Dap) NEW £11.50
2F-038-049 20-ton steel mineral wagon 315750 in BR grey (Dap) NEW £10.50
N10B 21 ton 'Hybar' ferry wagon 8715010 in BR blue (Pec) NEW £8.50
2F-013-045 4 wheel gunpowder van 'Blue Circle' (Dap) NEW £8.50



2F-038-049 20-ton steel mineral wagon 315750 in BR grey (Dap) NEW £10.50
N10B 21 ton 'Hybar' ferry wagon 8715010 in BR blue (Pec) NEW £8.50
2F-013-045 4 wheel gunpowder van 'Blue Circle' (Dap) NEW £8.50

2F-013-045 4 wheel gunpowder van 'Blue Circle' (Dap) NEW £8.50



229Ratio Coal depot stables and hut - plastic kit (Rat) NEW £7
232Ratio Coal or timber merchants building - plastic kit (Rat) NEW £13
BPGM270 2 aspect lineside signal - pack of three - 12v DC (Gau) NEW £16
GM271 2 aspect platform mounted signal (Gau) NEW £16
BPGM273 2 aspect signal head - pack of three (Gau) NEW £17
GM276 3 aspect platform mounted signal (Gau) NEW £17

229Ratio Coal depot stables and hut - plastic kit (Rat) NEW £7
232Ratio Coal or timber merchants building - plastic kit (Rat) NEW £13
BPGM270 2 aspect lineside signal - pack of three - 12v DC (Gau) NEW £16
GM271 2 aspect platform mounted signal (Gau) NEW £16
BPGM273 2 aspect signal head - pack of three (Gau) NEW £17
GM276 3 aspect platform mounted signal (Gau) NEW £17

229Ratio Coal depot stables and hut - plastic kit (Rat) NEW £7
232Ratio Coal or timber merchants building - plastic kit (Rat) NEW £13
BPGM270 2 aspect lineside signal - pack of three - 12v DC (Gau) NEW £16
GM271 2 aspect platform mounted signal (Gau) NEW £16
BPGM273 2 aspect signal head - pack of three (Gau) NEW £17
GM276 3 aspect platform mounted signal (Gau) NEW £17

Track - Code 80 Setrack



ST-11 Double straight track (Pec) £1.60
ST-6 Setrack left hand point insulfrog (Pec) £8.50



ST-5 Setrack right hand point insulfrog (Pec) £8.50
ST-301 Setrack starter track pack - second radius (Pec) NEW £52
ST-3001 ST-1 standard straight track - 87mm - pack of eight (Pec) NEW £10
ST-3011 ST-11 double straight track - 174mm - pack of four (Pec) NEW £12.50
ST-3014 ST-14 second radius standard curve - pack of eight (Pec) NEW £12
ST-3015 ST-15 second radius double curve - pack of four (Pec) NEW £8
ST-3016 ST-16 third radius standard curve - pack of eight (Pec) NEW £14
ST-3017 ST-17 third radius double curve - pack of four (Pec) NEW £9.50
ST-3018 ST-18 fourth radius standard curve - pack of eight (Pec) NEW £16
ST-3019 ST-19 fourth radius double curve - pack of four (Pec) NEW £10
ST-3002 ST-2 short straight track - 58mm - pack of four (Pec) NEW £4.20
ST-3012 ST-3 first radius double curve - pack of four (Pec) NEW £7
ST-3003 ST-3 first radius standard curve - pack of eight (Pec) NEW £10
ST-3004 ST-4 first radius half curve - pack of four (Pec) NEW £4.20

Track - Code 80 Streamline

SL-300 1 yard (91.5cm) length of Wooden-Sleeper Nickel Silver Flexible track (Pec) £3
SL-300 Pack of 25 (Pec) £64



Track - Code 55 Finescale



SL-300F Pack of 30 1 yard (91.5cm) length of Finescale Nickel Silver flexible Wooden Sleeper track (Pec) £84
SL-300F Single (Pec) £3



SL-E390F Finescale double slip electrofrog (Pec) £38
SL-U396F Finescale left hand medium point unfrog (Pec) £10



SL-E392F Finescale left hand small point electrofrog (Pec) £9.50
SL-U396F Finescale right hand medium point unfrog (Pec) £10



Cars



NCOR3003 Cortina MkIII Sebring Red (Oxf) NEW £4
NTRAIL006 Mobile Trailer - "Buns on Wheels" (Oxf) NEW £4

OO9 Narrow Gauge

Steam locos



391-028 Baldwin Class 10-12-D 4-6-0T 'Hummy' in Ashover Railway black - weathered (Bac) £131.71



391-026 Baldwin Class 10-12-D 4-6-0T 590 in Welsh Highland Railway black (Bac) £123.21

Railway publications

SYH29 Booklet - "Shows You How" Series - Introduction to OO9 narrow gauge modelling (Pec) NEW £1

O Gauge (1:43 Scale)

Steam locos



6126 Class 51xx 'Large Prairie' 2-6-2T 5158 in BR lined green late crest (Hoi) NEW £594.15

7S-007-001 Class 57xx 0-6-0PT pannier 5717 in BR Black early emblem (Dap) £199.75

Visit

www.hattons.co.uk/preorder

for all forthcoming releases



6101 Class 61xx 'Large Prairie' 2-6-2T 6106 in GWR green GWR lettering - as preserved (Hel) **NEW** £594.15



6100 Class 61xx 'Large Prairie' 2-6-2T 6110 in GWR green Great Western lettering (Hel) **NEW** £594.15



6103 Class 61xx 'Large Prairie' 2-6-2T 6111 in BR unlined green late crest (Hel) **NEW** £594.15



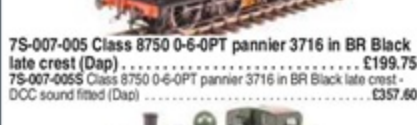
6104 Class 61xx 'Large Prairie' 2-6-2T 6132 in BR lined green late crest (Hel) **NEW** £594.15



6102 Class 61xx 'Large Prairie' 2-6-2T 6144 in BR black early emblem (Hel) **NEW** £594.15



6121 Class 61xx 'Large Prairie' 2-6-2T in BR black early emblem - unnumbered (Hel) **NEW** £594.15



6122 Class 61xx 'Large Prairie' 2-6-2T in BR unlined green late crest - unnumbered (Hel) **NEW** £594.15



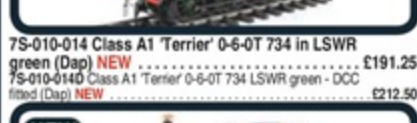
75-007-005 Class 8750 0-6-0PT pannier 3716 in BR Black late crest (Dap) £199.75



75-007-005S Class 8750 0-6-0PT pannier 3716 in BR Black late crest - DCC sound fitted (Dap) £357.60



75-007-003 Class 8750 0-6-0PT pannier 9659 in GWR green (Dap) £199.75



75-007-003S Class 8750 0-6-0PT pannier 9659 GWR green - DCC sound fitted (Dap) £357.60



75-010-016 Class A1 'Terrier' 0-6-0T 672 'Fenchurch' in LBSCR marsh brown (Dap) **NEW** £191.25



75-010-016D Class A1 'Terrier' 0-6-0T 672 'Fenchurch' in LBSCR marsh brown - DCC fitted (Dap) **NEW** £212.50



75-010-014 Class A1 'Terrier' 0-6-0T 734 in LSWR green (Dap) **NEW** £191.25



75-010-010 Class A1X 'Terrier' 0-6-0T W9 'Fishbourne' in Southern Railway green (Dap) £191.25



7D-008-011 Class 08 shunter 08173 in BR blue (without ladder) (Dap) £191.25



7D-008-007UD Class 08 shunter in BR black early emblem - unnumbered - DCC sound fitted (Dap) **NEW** £339.15



2006 Class 20 in BR blue full yellow ends, 1980s style warning flashes and headcode discs - Exclusive to Hatton's (Hel) £550



2012 Class 20 in BR blue full yellow ends; pre-TOPS style double arrows on the cabsides and 4-character headcodes (Hel) (RRP £599) **BARGAIN** £360



2010 Class 20 in BR green small yellow panels and 4-character headcodes (Hel) (RRP £599) **BARGAIN** £340



5288 Class 52 D1023 'Western Fusilier' in BR blue (Hel) **NEW** £509.15



5285 Class 52 D1035 'Western Yeoman' in BR green small yellow panels (Hel) **NEW** £509.15



5287 Class 52 D1039 'Western King' in BR maroon full yellow ends (Hel) **NEW** £509.15



5290 Class 52 D1043 'Western Duke' in BR chromatic blue small yellow panels (Hel) **NEW** £509.15



5286 Class 52 D1061 'Western Envoy' in BR maroon small yellow panels (Hel) **NEW** £509.15



5289 Class 52 D1067 'Western Druid' in BR blue - weathered (Hel) **NEW** £509.15



5352 Class 53 1200 'Falcon' in BR Blue full yellow ends (Hel) (RRP £699) **BARGAIN** £390

Coaches



4955 Mk1 BG full brake in BR blue Newspapers branding (Hel) (RRP £325) **BARGAIN** £180



4994 Mk1 GUV full brake in BR green (Hel) (RRP £325) **BARGAIN** £190

Wagons



1041 200xx VBA sliding door van in BR bauxite - late (Hel) (RRP £84.95) **BARGAIN** £39



5151 Bogie flat RWB Cargowagon 4647026 in silver and blue - weathered (Hel) (RRP £189) **BARGAIN** £89



7F-048-001 HAA MGR coal hopper 350274 in Railfreight red cradle (Dap) **NEW** £46.71



7F-048-004 HAA MGR coal hopper 351351 in Railfreight blue cradle (Dap) **NEW** £46.71



7F-048-003 HAA MGR coal hopper 353823 Railfreight red cradle (Dap) **NEW** £46.71



7F-048-002 HAA MGR coal hopper 355203 in Railfreight red cradle (Dap) **NEW** £46.71



7F-048-006 HBA MGR coal hopper 359180 Railfreight brown cradle (Dap) **NEW** £46.71



7F-048-007 HBA MGR coal hopper 359447 Railfreight brown cradle (Dap) **NEW** £46.71



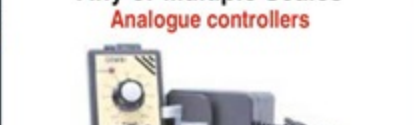
H7-WW-705 Warwell wagon 50t diamond frame bogies M360333 in BR grey (Hel) **BARGAIN** £85



SL-700BH Box of 12 1 Yard O Gauge Flexible Nickel Silver Track (Bullhead Nickel Silver Rail) (Pec) £75



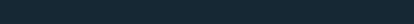
SL-700BH Single (Pec) £8.50



SL-E792BH Left hand point bullhead rail and electrofrog (Pec) £43



SL-E791BH Right hand point bullhead rail and electrofrog (Pec) £43



ST-725 Setrack Bullhead 2nd radius standard curve 410mm (16") (Pec) £5

Cars

43AMD2004 Aston Martin DB2 MkII DHC Snow Shadow Grey (Ox) **NEW** £21

Any or Multiple Scales

Analogue controllers



COMBI Combi 12v 1Amp Single Track Controller Transformer (Gau) £34



D Double/Twin track power controller (Gau) £80

Digital decoders

DCR-21PIN-Direct 21-pin 4-function 1.1Amp direct plug decoder back EMF (Hat) £15
DCR-21PIN-Direct Box of 5 (Hat) £68
DCR-21PIN-Direct Box of 10 (Hat) £120
DCR-21PIN-Direct-V2 21-pin 6-function 1.1Amp direct plug decoder back EMF (Hat) **NEW** £16.50
X9659 4-pin DCC decoder for Sentinels and Peckett locos (Hor) £12
DCR-6PIN-Direct 6-pin 2-function 1.1Amp direct plug decoder back EMF (Hat) £17
DCC23 6-pin 2-function 1A (2A peak) decoder (suitable for N gauge) (Gau) £23



DCR-8PIN-Harness Box of 10 8-pin (harness) 4-function 1.1Amp decoder back EMF (Hat) £120
DCR-8PIN-Harness Single (Hat) £15
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 10 (Hat) £136



R8115 TTS DCC Sound Decoder 8 pin plug - 'Merchant Navy' 4-6-2 steam loco (Hor) **NEW** £38
R8118 TTS DCC Sound Decoder 8 pin plug - Class 20 diesel (Hor) £36
R8102 TTS DCC Sound Decoder 8 pin plug - Class 37 diesel (Hor) £36
R8120 TTS DCC Sound Decoders - Pack of 2 8 pin plugs - Class 43 HST (MTU) (Hor) £57

Digital control accessory decoders

DCD-ADS-8SX 8-way accessory decoder for solenoid motors and individual CUDs (DCC) £68

Digital controllers



50210 ECoS Command Station DCC V2.1 controller full colour LCD touch screen & dual controllers - 6A output (ESU) £600



DCC02 Prodigy 'Advance 2' starter DCC controller package (Gau) £239

Digital control accessories



DCD-AEC Cobalt Alpha Central Integrated 12 Way Digital Switch (DCC) £110

BPDC80 Pack of three DCC autofrog polarity reversal switches - for electrofrog points (Gau) £13.50

Point motors

DCP-CB12P Cobalt ip slow-action analogue point motor - pack of 12 (DCC) £169

DCP-CB6P Cobalt ip slow-action analogue point motor - pack of 6 (DCC) £94



DCP-CB12DIP Cobalt ip slow-action digital point motor - pack of 12 (DCC) £220

DCP-CB6DIP Cobalt ip slow-action digital point motor - pack of 6 (DCC) £118

DCP-CBSS-12 Cobalt SS surface mounted point motors controller - pack of 12 (DCC) £245

DCP-CBSS-2 Cobalt SS surface mounted point motors controller - pack of 2 (DCC) £46.50

BPDM20 Pack of five Surface mounted seep point motors (Gau) £36

PL-10E Point Motor Extended Pin (use PL-9) (Pec) £35

PL-10E Bag of 6 (Pec) £34

PM-1 Seep point motor accessory switch (Gau) £5



PL-11 Side/surface mounted point motor (Pec) £8



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

Tools



DCM-RRAS Rolling Road - 8 Axle - For OO, N, HO, TT, OOG, EM and P4 gauges (DCC) £68

At The Goods Yard

Noch produce a wide range of scenic items to represent Goods Yards on your layout.
All of these items are suitable for OO Scale British Layouts.



N14202 Cable Rolls (3)
Only £7.25



N14214 Piles of Planks (8)
Only £11.00



N16770 Fork Lift Truck with Figure
Only £12.95



N14203 Industrial Shelves (6)
Only £8.00



N14216 Loose Planks (50)
Only £8.00



N66106 Tool Shed/Workshop Kit
Only £21.50



N14212 Piles of Planks (4)
Only £7.25



N15038 Warehousemen (5)
Only £12.95



N66710 Open Air Storage Shed Kit
Only £37.50

You can use all of these products to create a Goods Yard/Timber Yard scene, or use them individually around your layout to add detail to different areas. The piles of planks could be placed next to a construction site, and the Fork Lift and Warehousemen figures can be added to the rear of a large store. The Tool Shed/Workshop is ideal for use as a lineside hut by the railway.

The full range of Noch products includes figures, scatters, buildings, trees, grass matting, and much more. See our website for full details, contact us for a catalogue, or visit one of the model shops listed below.

You can find Noch products in the following Model Shops:

Arcadia Models
67 Rochdale Road, Shaw, Oldham, OL2 7JT
Bourton Model Railway
Boxbush High Street, Bourton on the Water, Gloucestershire, GL54 2AN
Broughton Rail
11 Princes Street, Broughton in Furness, Cumbria, LA20 6BQ
Buckle Model Centre
44 Cameron Crescent, Buckle, Banffshire, AB36 1AG
C&M Models
1 Crosby Street, Carlisle, Cumbria, CA1 1DQ
Howard Scenic Supplies
www.howardscenicsupplies.co.uk

J&J Models
8 Packhorse Buildings, 17 Newgate Street, Morpeth, Northumberland, NE61 1AW
Kent Garden Railways
66 High Street, St Mary Cray, Orpington, Kent, BR5 3NH
Kerrow Model Centre
98a Treloar Street, Camborne, Cornwall, TR14 8AN
Mac's Model Railroading
4-8 Reform Street, Kirriemuir, Angus, DD8 4BS
Model Railway Solutions
Unit 1, 10-12 Alder Hills Industrial Estate, Alder Hills, Poole, BH12 4AL
Model World Kent
1 Anchor Business Park, Castle Road, Sittingbourne, Kent, ME10 3AE
Moak Bar Model Shop
2 Good Ram Gate, York, YO1 7JQ

Morris Models
80 Manor Road, North Lancing, West Sussex, BN15 0HD
New Modeller's Shop
www.newmodellersshop.co.uk
Peters Spares
Unit 21, Brighouse Business Village, Riverside Park, Middlesbrough, TS2 1RT
Rhuddlan Models
High Street, Rhuddlan, Denbighshire, LL18 2TU
Test Valley Models
Unit 23, Chantry Way, The Chantry Centre, Andover, SP10 1LS
TMC The Model Centre
Hill Farm, Beck Hole, Goathland, Whitby, North Yorkshire, YO22 5LF
Trains 4U
27 St Davids Square, Fengate, Peterborough, Cambridgeshire, PE1 5QA

NOCH products are distributed in the UK by: **GAUGEMASTER** Controls Ltd., Ford Road, Arundel, West Sussex, BN18 0BN, United Kingdom
Tel - 01903 884488 Fax - 01903 884377 email - sales@gaugemaster.com

www.gaugemaster.com/noch



GAUGEMASTER Spotlight

SEEP Point Motors



SEEP GMC-PM10 Classic Solenoid Point Motor



- Reversible fitting direct to point, or under baseboard.
- Positive throw action with less bounce.
- Low voltage, energy efficient operation (16-24v AC or DC).
- Complete with mounting screws and extension pin.
- In-built terminal block, no soldering.
- OO, N and O Scale compatible.
- Precision-built with high tolerance levels.
- Value Packs of 5 available.
- **Digital version** available, that can be powered by either DC or DCC power sources.



The in-built terminal block means that installing the PM10 is a breeze, with no soldering required. The motor can be fitted either directly to the point, or under the baseboard.

The **GMC-PM10 Classic** Solenoid Point Motor has been created to work with all leading brands of track in the United Kingdom. Designed with easy installation in mind, it has a built-in reversible mounting plate (with adjustment slots and holes), robust plated metalwork frame and fibreglass circuit boards for longer life.

The PM10s magnetic coils are high-efficiency for reliable operation, needing less current than other brands. The PM10 also has easy to use solder-free screw terminals. We have included mounting screws and a throw-bar extension for each motor for easy, simple installation. We even supply a handy screwdriver with the Value Pack, for use with the solderless terminals.

The **Digital version (GMC-PM10D)** comes complete with an accessory decoder and harness, with the same features and flexibility as the **Classic** version. It has built-in connections for manual switch operation, as well as LEDs for your mimic panel for position indicators. All terminals are screw connections.



SEEP GMC-PM20 Surface Mounted Point Motor



- 'Plug and Play' installation with reversible 3-Way connector.
- Fits parallel to point work - tie-bar linkage drops over tie-bar pin.
- Strong metal body shell construction.
- Complete with mounting screws and pre-terminated harness.
- Low voltage, energy efficient operation (16-24v AC or DC).
- OO, N and O Scale compatible.
- Value Packs of 5 available.
- **Digital version** available, that can be powered by either DC or DCC power sources.

Designed with easy installation in mind, the **GMC-PM20 Surface Mounted** Point Motor is placed parallel to your point-work and operates equally well orientated either way. PM20 works well with all popular modelling scales, and with the leading brands of track in the UK.

The magnetic coils are high-efficiency for reliable operation, needing much less current than most other brands. The **GMC-PM20** also has a plug-in harness that is very easy to use. Mounting screws are included.

GMC-PM20 has built-in connections for manual switch operation, as well as LEDs for your mimic panel for position indicators. All terminals are screw connections.

Installation is simplified with three pin plug socket on the end of the point motor. Simply plug in the pre-terminated harness and connect the wires to your power source.



GMC-PM50 Connection Boxes (3)

Ever find you've cut your run of wire too short or run out before you get to the switch? These connectors will help. They even come with screws to fix them on.



GM09RB Red/Black Twinned Wire
10m (14 x 0.15mm)

10m of Red/Black twinned wire. Ideal for model railway use and when trying to keep wiring tidy.



GMC-PM52 Point Motor Accessory Pack Contains 5 spare extension pins and collars, 20 attachment screws, screwdriver, and 5 ballast stickers.



GMC-PM51 Point Motor Wire (Red/Green/Black) 10m Tripled (14 x 0.15)

This is a useful 10m reel of tripled wire; with red, green, and black wires together. Easier, tidier wiring for point motors.



GM612 45mm Hole Saw & Arbor for Point Motor Fitting

Great for drilling holes in your baseboard if you are fitting your motors directly to the track.

This is a useful pack for anyone using our GMC-M10/PM10D Point Motors. It contains extra extension pins and collars, screws, and a screwdriver which fits the terminal block on the PM-10, as well as ballast stickers to cover the hole in the baseboard.

PRICES

Full details of our Analogue Controller range can be found in the Gaugemaster Full Catalogue **AVAILABLE SUMMER 2018**. It also contains details of our Digital Controllers, Scenics, Point Control, Electrics and much more in the Gaugemaster range.

It also contains selected items from many of the other brands that we stock.

GM353 Gaugemaster Full Catalogue **£3.95**

SEEP Point Motors

GMC-PM1	Point Motor with Built-In Switch	£5.95
GMC-PM2	Point Motor No Switch	£5.50
GMC-PM4	Point Motor with Latching Mechanism	£6.75
GMC-PM10	Classic Solenoid Point Motor	£7.25
GMC-BPPM10	Classic Solenoid Point Motor (5 Pack)	£32.95
GMC-PM10D	Classic Solenoid Point Motor (DCC-Fitted)	£19.95
GMC-PM20	Surface Mounted Point Motor	£10.25
GMC-BPPM20	Surface Mounted Point Motor (5 Pack)	£47.95
GMC-PM20D	Surface Mounted Point Motor	£23.95

Point Motor Accessories

GMC-CDU	Capacitor Discharge Unit	£14.50
GMC-PM50	Connection Boxes (3)	£4.15
GMC-PM51	Point Motor Wire (Red/Green/Black) 10m Tripled (14x0.15)	£8.50
GMC-PM52	Point Motor Accessory Pack	£3.95
GMC-PM53	Harnesses for PM10D (2)	£4.15
GMC-PM60	Solenoid Point Motor Decoder/Harness	£17.25
GM09RB	Red/Black Twinned Wire 10m (14x0.15)	£6.25
GM612	45mm Hole Saw and Arbor	£3.65

GAUGEMASTER products are available from your local Model Shop or, in case of difficulty, direct from ourselves.

GAUGEMASTER Controls Ltd, Gaugemaster House, Ford Road, Arundel, West Sussex, BN18 0BN, United Kingdom
tel - 01903 884321 Fax - 01903 884377 email - sales@gaugemaster.co.uk web - www.gaugemaster.com

METCALFE

Card Construction Kits

COUNTRY



PARISH CHURCH

00 CODE PO226 - £15.99
N CODE PN926 - £11.00



MANOR FARM HOUSE

00 CODE PO250 - £10.50
N CODE PN150 - £9.00

MANOR FARM BUILDINGS

00 CODE PO252 - £11.50



WORKERS COTTAGES

00 CODE PO255 - £12.50
N CODE PN155 - £10.00



VILLAGE SHOP & CAFE

00 CODE PO254 - £12.50
N CODE PN154 - £9.00



MINI KITS



FOUNTAINS

00 CODE PO522 - £5.75
N CODE PN823 - £5.75
00 as pictured. N comes with three variations.



GARDEN SHEDS

00 CODE PO512 - £5.50
N CODE PN812 - £5.50



PLAY AREA

00 CODE PO513 - £6.50



PICNIC TABLES

00 CODE PO510 - £5.50
N CODE PN810 - £5.50

MAKE GLUING EASY...

ULTRA FINE-TIP
GLUE APPLICATORS
CODE MT907 - £4.00
Glue not included.



NEW! 00 BUS STOP

00 CODE PO525 - £ TBC



NEW! GOODS YARD CRANE

00 CODE PO540 - £ TBC

SHOP ONLINE: WWW.METCALFEMODELS.COM

METCALFE MODELS & TOYS LTD, BELL BUSK, SKIPTON, N.YORKS, BD23 4DU
TEL: 01729 830072. POSTAGE £2.50 FOR ORDERS UP TO £19.99 / £4.50 THEREAFTER

Join the conversation on Facebook. Follow @MetcalfeModels and join the official group forum.

METCALFE

Card Construction Kits

AS SEEN ON THE
GREAT MODEL
RAILWAY CHALLENGE!

INDUSTRIAL



00/N WAREHOUSE
00 CODE PO282 - £14.50
N CODE PN182 - £11.00



**BOILERHOUSE & FACTORY
ENTRANCE**
00 CODE PO284 - £14.50
N CODE PN184 - £13.00



00/N SMALL FACTORY
00 CODE PO283 - £14.50
N CODE PN183 - £11.00

SETTLE-CARLISLE



**SETTLE-CARLISLE STATION
MASTERS' HOUSE**
00 CODE PO335 - £15.00
N CODE PN935 - £12.00



SETTLE-CARLISLE STATION
00 CODE PO333 - £23.00
N CODE PN933 - £14.00



SETTLE-CARLISLE SHELTER
00 CODE PO334 - £11.50
N CODE PN934 - £8.00

TOWN



TERRACED SHOP FRONTS
RED BRICK 00 CODE PO272 - £14.00
STONE 00 CODE PO273 - £14.00



TERRACED HOUSE FRONTS
RED BRICK 00 CODE PO274 - £12.00
STONE 00 CODE PO275 - £12.00



DEPARTMENT STORE
00 CODE PO279 - £14.00
N CODE PN179 - £12.00
N VERSION SHOWN BELOW



SERVICE STATION
00 CODE PO281 - £14.00
N CODE PN181 - £10.50

L/R BANK & SHOP
00 CODE PO271 - £11.50



**RAILS OF SHEFFIELD****railsofsheffield.com**

Corporate Partners of

**RAILWAY
MUSEUM****HORNBY®****HORNBY 2018 NEW RANGE!****HORNBY®**

R3600TTS	NBR, J36 CLASS, 0-6-0, 673 'MAUDE' WITH TTS SOUND	£127.50
R3603TTS	BR, LORD NELSON CLASS, 4-6-0 LOCOMOTIVE 30850 'LORD NELSON' WITH TTS SOUND!	£149.50
R3615	PECKETT WORKS LIVERY NO.560/1893 0-4-0ST	£79.50
R3617	BR, REBUILT MERCHANT NAVY CLASS, 4-6-2, 35030 'ELDER DEMPSTER LINES'	£129.50
R3618	BR, REBUILT BATTLE OF BRITAIN CLASS, 4-6-2, 34050 'ROYAL OBSERVER CORPS'	£139.50
R3619	BR, CASTLE CLASS, 4-6-0, 5013 'ABERGAVENNY CASTLE'	£129.50
R3621	LNER J36 CLASS, 0-6-0 STEAM LOCOMOTIVE 722	£107.50
R3622	BR, J36 CLASS 'HAIG' 0-6-0 STEAM LOCOMOTIVE 67531	£107.50
R3623	LMS 'QUEEN ELIZABETH' PRINCESS CORONATION CLASS 4-6-2 STEAM LOCOMOTIVE 6221	£146.50
R3630	LNER A4 CLASS 'WOODCOCK' 4-6-2 STEAM LOCOMOTIVE 4493	£129.50
R3631	BR H CLASS 0-4-4T LOCOMOTIVE 31265	£99.50
R3632	BR 'EAST ASIATIC COMPANY' MERCHANT NAVY CLASS 4-6-2 STEAM LOCOMOTIVE 35024	£137.50
R3634	SR, 'SIR FRANCIS DRAKE' LORD NELSON CLASS 4-6-0 STEAM LOCOMOTIVE 851	£129.50
R3635	BR, 'LORD RODNEY' LORD NELSON CLASS 4-6-0 STEAM LOCOMOTIVE 30863	£129.50
R3638	BR, 'BIDEFORD' WEST COUNTRY CLASS 4-6-2 STEAM LOCOMOTIVE 34019	£142.50

R3639	LMS, 'KING GEORGE VI' PRINCESS CORONATION CLASS 4-6-2 STEAM LOCOMOTIVE 6244	£146.50
R3677	LMS 'DUCHESS OF HAMILTON' PRINCESS CORONATION CLASS 4-6-2 STEAM LOCOMOTIVE 6229	£146.50
R3580	CLASS 87 87035 ROBERT BURNS BR RAIL BLUE (CROSS ARM PANTOGRAPH)	£139.50
R3602TTS	BR INTERCITY, CLASS 43 HST, 'VALENTA' POWERED TRAIN PACK WITH TTS SOUND!	£229.50
R3606	PULLMAN, 5-BEL 'BRIGHTON BELLE' TRAIN PACK	£154.50
R4871	MATCHING COACH PACK: 5-BEL 'BRIGHTON BELLE' COACH PACK	£137.50
R3609	GWR, IEP BI-MODE CLASS 800/0 'QUEEN ELIZABETH II' & 'QUEEN VICTORIA' TRAIN PACK	£229.50
R4870	MATCHING COACH PACK: GWR, IEP BI-MODE CLASS 800/0 COACH PACK	£137.50
R4816	SR, MAUNSELL KITCHEN/DINING FIRST, 7869	£47.99
R4817	BR, MAUNSELL KITCHEN/DINING FIRST, S7946S	£47.99
R3656	VIRGIN TRAINS CLASS 87 019 'SIR WINSTON CHURCHILL' BO-BO LOCOMOTIVE	£129.50
R3659	COLAS RAIL FREIGHT CLASS 67 023 BO-BO DIESEL LOCOMOTIVE	£123.50
R3662	GWR GREEN CLASS 153 368 DMSL LOCOMOTIVE	£84.50
R6888TTS	VENT VAN WITH TTS SOUND	£32.50

**SEE OUR WEBSITE FOR FULL LISTINGS
INCLUDING SPECIAL OFFERS & GREAT DEALS!!**

www.railsofsheffield.com

PRICING POLICY FOR IN STOCK AND AVAILABLE ITEMS: The price advertised on RAILS OF SHEFFIELD website will be the price charged at the time of the order being processed. This excludes errors in pricing (E & OE) in the event of an error with a price you will be contacted prior to the order being processed and given the option to accept the correct price or cancel the order.

PLEASE NOTE: All items currently in stock are despatched immediately. Forthcoming releases will be despatched immediately upon release. If your order contains both current items and forthcoming releases then these will be despatched separately and subject to separate delivery charges.

*ALL popular
Manufacturers*

ALSO STOCKED AT BARGAIN PRICES!**HORNBY®****HORNBY®
RAILROAD****BACHMANN
GRAND-EXPRESS****GRAHAM
FARISH
by BACHMANN****HELJAN****dapol**
Model Railway Company**OXFORD
RAIL****GAUGEMASTER****RAPIDO
TRAINS INC.****DJ
MODELS****PECO****LokSound****Electrotren****CORGI Jouef****SCALEXTRIC****Rivarossi****LILIPUT****WOODLAND SCENICS**
The World Leader in Model Scenery**Exclusive
First
Editions****METCALFE****model scene****model scene****model scene****HARBURN
HAMLET****HARBURN
HAMLET****HARBURN
HAMLET****HARBURN
HAMLET****Lenz****ELEKTRONIK****WILLS-KITS****WILLS-KITS****K&M****TREES****KATO****PRECISION RAILROAD MODELS****OXFORD****PLASTIC
RATIO****MATHIESON****MATHIESON****NEW****NOW STOCKING****LEGOMANBIFFO**
HIGH QUALITY SOUNDS**REALTRACK****Revolution**
TRAINING

SHIPPING COSTS: ROYAL MAIL 48 HOUR TRACKED £4.00: Royal Mail aim to deliver within 2 days of dispatch including Saturdays (this is not a guaranteed service and parcels can take longer to arrive).

ROYAL MAIL 24 HOUR TRACKED £5.00: Royal Mail aim to deliver within 1 day of dispatch including Saturdays (this is not a guaranteed service and parcels can take longer to arrive).

SPECIAL DELIVERY £8.50: Guaranteed delivery by 1pm the next day Monday to Saturday. With full track and trace system, your parcel is delivered speedily and securely (orders must be placed by 2pm to guarantee same day dispatch).

PARCEL FORCE COURIER SERVICE £7.50: Next day delivery for much of the UK, including Saturdays. Full track and trace system. Used for parcels over 1.8kg without packing or if you would like a speedy secure delivery of your parcel. This excludes the following post codes BT, JE, GY, IM, KW, IV, PA and PO30-44, KA27-28, PH17-26, PH49-50 and ZE. The cost for these postcodes is £12.00 and will be delivered within two to three working days (orders must be placed by 3pm to guarantee same day dispatch).

WORLDWIDE POSTAGE: For all orders outside the UK, postage will be charged at cost, based on the weight and size of the parcel.

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 0RL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.comWeb: railsofsheffield.com[railsofsheffield](http://railsofsheffield.com)[railsofsheffield](http://railsofsheffield.com)[railsofsheffield](http://railsofsheffield.com)[railsofsheffield](http://railsofsheffield.com)



RAILS OF SHEFFIELD

railsofsheffield.com

Corporate Partners of

RAILWAY
MUSEUM

WANTED

CASH OR EXCHANGE

WE WANT **ANYTHING** MODEL RAILWAY RELATED,
ANY AGE, ANY GAUGE, FROM A SINGLE ITEM TO A
LIFETIME COLLECTION. DISTANCE NO OBJECT.
PLEASE TELEPHONE, OR EMAIL YOUR LISTS TO
SECONDHAND@RAILSOF SHEFFIELD.COM

BUY · SELL · EXCHANGE · ANY GAUGE · ANY AGE

RAILS OF SHEFFIELD VALUE YOUR SECOND HAND COLLECTION VERY HIGHLY

LOCOS - COACHES - WAGONS - TRACK-WORK - CONTROLLERS - ACCESSORIES
DIE-CAST - LORRIES - BUSES - PLANES - SOLDIERS - RAILWAYANA - AND MORE

FULL COLLECTIONS PURCHASED / UK & WORLDWIDE COLLECTION AVAILABLE

TOP
GUARANTEED
PRICES
PAID

*We urgently require collections of any size,
featuring products from the following manufacturers:*

FAMILY
BUSINESS
FRIENDLY
SERVICE



WE ALSO BUY RAILWAYANA

SIGNAGE AND TOTEMS

AND MORE...

Telephone our Second Hand team on: (0114) 255 1436 or email: secondhand@railsofsheffield.com - Ref: MR2018

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 0RL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.com Web: railsofsheffield.com [railsofsheffield](https://www.youtube.com/railsofsheffield) [railsofsheffield](https://www.facebook.com/railsofsheffield) [railssheffield](https://www.twitter.com/railssheffield) [railsofsheffield](https://www.instagram.com/railsofsheffield)



RAILS



railsofsheffield.com/exclusive

Corporate Partners of

RAILWAY MUSEUM



HURRY Final Few Remaining
ORDER NOW TO AVOID DISAPPOINTMENT

Dynamometer Car

EXCLUSIVELY PRODUCED BY RAPIDO
TRAINS INC. ONLY FOR RAILS LIMITED

BUY NOW
£125.00



CLASS 37 425 'CONCRETE BOB' BR Diesel Locomotive



EXCLUSIVE EDITION
FOR RAILS LIMITED

DCC
READY

**NEW
LOWER
PRICE**

BUY NOW
£129.50



32-384Y

CLASS 66 614 'POPPY' Freightliner Diesel Locomotive



EXCLUSIVE EDITION
FOR RAILS LIMITED

DCC
READY

BUY NOW
£169.99



32-726X

STROUDLEY TERRIER A1 CLASS LBSCR

'BOXHILL' TERRIER

IMPROVED ENGINE GREEN 0-6-0 LOCOMOTIVE NO.82

IN
PARTNERSHIP
WITH



LIMITED
EDITION
OF ONLY
150



Image is of
an early
pre-production
sample.

RAILS EXCLUSIVE MODEL

O GAUGE

LIMITED EDITION OF ONLY 150 PIECES!

Features include: sprung metal buffers, die cast running plate for extra quality and weight, complete with firebox glow and flicker, sprung metal coupling hook and screw coupling, etched plates where applicable, finely moulded body with many separately added fine details, cast profiled wheels with fine relief and appropriate colouring, tungsten chassis and all wheel pick up, powerful 5 pole skew wound motor with refined slow running control.

BUY NOW £225.00

IN
ASSOCIATION
WITH



RAILWAY
MUSEUM

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 0RL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.com

Web: railsofsheffield.com



[railsofsheffield](https://www.youtube.com/railsofsheffield)



[railsofsheffield](https://www.facebook.com/railsofsheffield)



[railssheffield](https://twitter.com/railssheffield)



[railsofsheffield](https://www.instagram.com/railsofsheffield)

**RAILS**

railsofsheffield.com/exclusive

Corporate Partners of

**RAILWAY
MUSEUM**

CALEDONIAN CLASS 812

*Courtesy of: Hugh Llewelyn*

FIVE VERSIONS AVAILABLE:

Caledonian Railway No. 828
(as preserved)Caledonian Railway No. 828
(as built)

LMS Black Livery No. 17566

BR Black Early Emblem
No. 57565 (weathered)

BR Black Late Crest No. 57566

IN
ASSOCIATION
WITH**PRE-ORDER
NOW!****ONLY
£30 DEPOSIT**

OO GAUGE MODEL

*Courtesy of: Jim Macintosh**Courtesy of: Colour Rail**Courtesy of: Jim Macintosh**Courtesy of: Jim Macintosh*

STROUDLEY A1 / A1X

TERRIER 0-6-0

NEWLY TOOLED OO GAUGE MODEL

IN
PARTNERSHIP
WITH**dapol**

Model Railway Company

**PRE-ORDER NOW!****DCC READY VERSION £110****6 VERSIONS
AVAILABLE****Secure yours for
ONLY £30 DEPOSIT***Expected Q4 2018*

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 0RL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.comWeb: railsofsheffield.com [railsofsheffield](https://www.youtube.com/railsofsheffield) [railsofsheffield](https://www.facebook.com/railsofsheffield) [railssheffield](https://twitter.com/railssheffield) [railsofsheffield](https://www.instagram.com/railsofsheffield)



Ellis Clark Trains
Unit 1 Toller Court
Shortbank Road, Skipton
North Yorkshire BD23 2HG



WANTED

**TOP PRICES PAID FOR YOUR COLLECTIONS
OF MODEL RAILWAYS, DIECAST & TINPLATE**
For more info call Ellis on 07799 554491

- ◆ Call, email or post a list
- ◆ All makes, gauges and ages considered
- ◆ British, Continental and American
- ◆ All gauges of kit/scratch built and live steam
- ◆ Diecast & tinplate cars, lorries, planes, soldiers
- ◆ Payment in your preferred method
- ◆ Happy to travel nationwide and view or collect
- ◆ Friendly and professional service
- ◆ Large collections a speciality



T 01756 701451
M 07799 554491
E ellis@ellisclarktrains.com
W ellisclarktrains.com

**NEW
PRODUCTS
ADDED
WEEKLY**



RTR FINESCALE 'O' GAUGE MK1 COACHES

FEATURING BRASS SIDES, SUPER-DETAILED INTERIORS WITH LIGHTS & MANY MORE FEATURES.

"I THINK THE CONSTRUCTION METHODOLOGY IS A TOUR DE FORCE."

ROBIN MCHUGH, GOG REVIEWER

ONLY £189 EACH

AVAILABLE IN 6 LIVERIES. IN STOCK NOW: BSK, SK, CK, TSO, BCK & FK.

Other coach types available for pre-order:



SLF/S Sleepers



Miniature Buffet



57' Full Brake



Restaurant Second Open



Restaurant/Kitchen



Restaurant First Open



RTR 57' BR MK1 SUBURBAN COACHES

AVAILABLE FOR PRE-ORDER EXCLUSIVELY THROUGH ELLIS CLARK TRAINS. AVAILABLE Q4.

FEATURING:

- ✓ Brass sides
- ✓ Super-detailed interiors with lights
- ✓ Professionally painted & lined
- ✓ Die-cast underframe
- ✓ Compensated all-new MK1 bogies

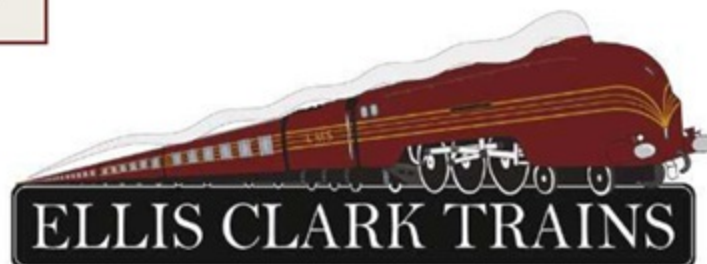
PRE-ORDER IN MAROON (LINED & UNLINED), CRIMSON & BLUE:

- ✓ Composite
- ✓ Composite (with lavatory)
- ✓ Brake Second
- ✓ Open Second
- ✓ Second
- ✓ Second (with lavatory)

**PART-EX
AVAILABLE
on all
DARSTAED**

ONLY £169 EACH

For more info visit:
ellisclarktrains.com/pages/darstaed



**ONLY AVAILABLE THROUGH
ELLIS CLARK TRAINS**

Ellis Clark Trains, Unit 1 Toller Court, Shortbank Road, Skipton, North Yorkshire BD23 2HG

ellis@ellisclarktrains.com ♦ 01756 701451 or 07799 554491 ♦ ellisclarktrains.com



VIDEO 125

We are back at Warley NEC to demonstrate all our latest Driver's eye view DVDs.

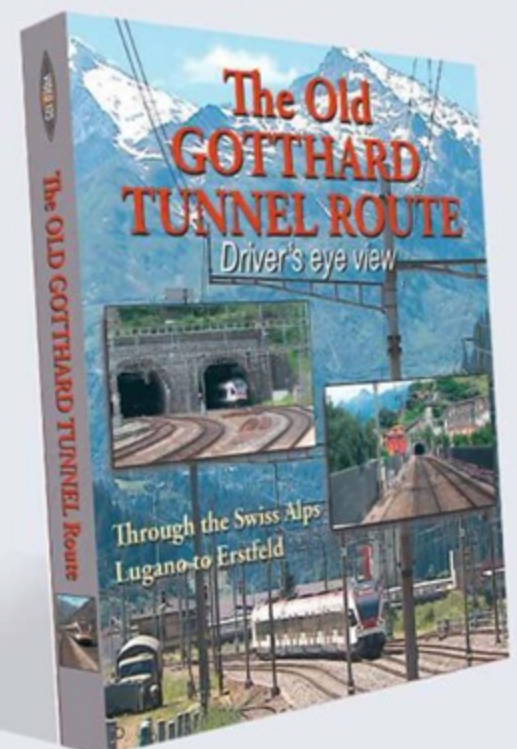
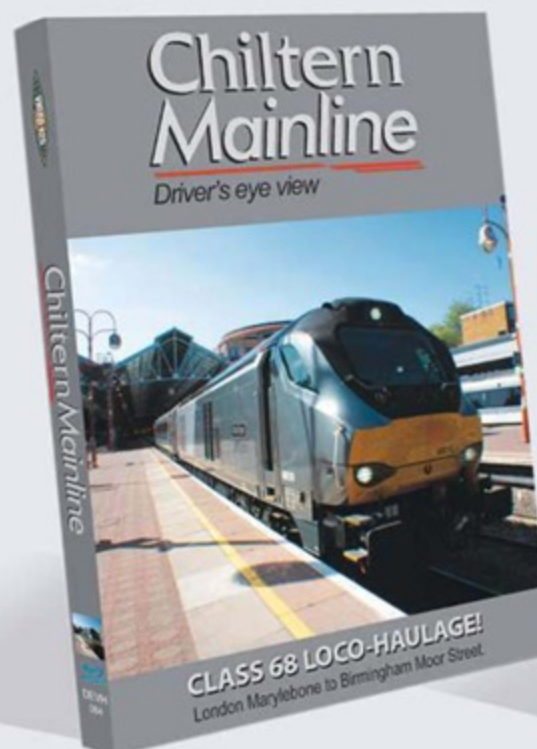
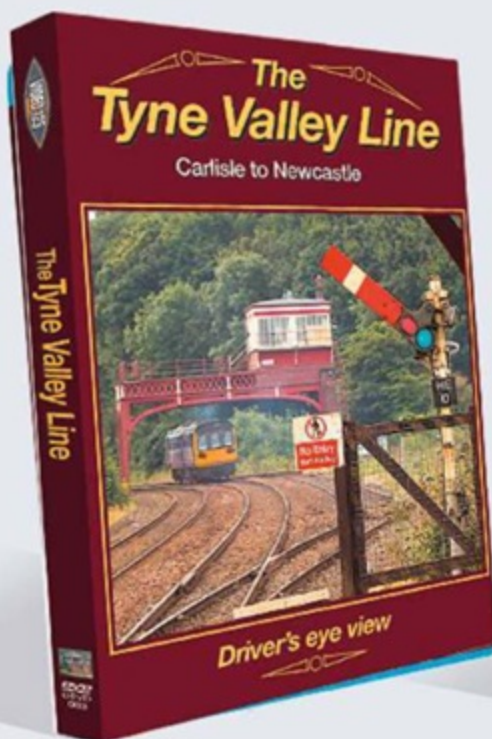
Come and see us on stand B003 near to the main entrance.

We will be showing clips from ...

The TYNE VALLEY
LINE (Carlisle to
Newcastle).

CHILTERN MAINLINE
(London Marylebone
to Birmingham Moor
St on board a class 68).

The OLD GOTTHARD
TUNNEL ROUTE
(through the Swiss
Alps).



All these and more will be offered at special exhibition prices...

BARGAINS: as we are reducing the size of our video cases to slimline versions, we are selling off many of our older titles for a FIVER!

Yes just £5.00 all brand new and cellophane wrapped.

If you can't make the NEC on 24th or 25th November you can order online at Video125.com.

You can also request a colour catalogue online or by calling 01344 628565 or by writing to Video 125, Glade House, High Street, Sunninghill, SL5 9NP.

Our producer and MD Peter Middleton will be on our stand to answer any questions. We look forward to seeing you.

Dawson Hall

Exclusive Model Structures



Specialising in
commission work.



www.dawson-hall.com

Tel: 07810 108844

Easy sound, lighting & control for all!

NEW Ground Signals



Modern and
Original Colours

- DC Version for standard switches £16
- DCC Fitted Version for DCC control or automate with optional track sensor £35

NEW Multi Aspect Signals



- DC Version for standard switches £20
- DCC Version for control by DCC £42
- Automatic Sensor Signal Version £55

Colour Light Signals DC & DCC fitted versions



00 2, 3, 4 Aspect From £10

Automatic Coach Lights for any Coach

Turns on automatically, no pickups, no flicker, From £20



Available
in N gauge!

NO wires - fit this in seconds! Multipacks available

Clip-in Buffer Lights & Track Testers DC & DCC N & 00 only £5 each



Various Lighting Effects £15

Welding, Fire, Disco, Random, TV, Emergency



Exciting NEW 2019 Products Launched soon!



Train-Tech
Model Technology Made Easy

Ask for our
FREE 2019
Brochure now!

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 MR254 for £2 off postage!



Right on Track!

Track & electrical contact cleaner

Keeps your train
running smoothly
for longer!

- Improves conductivity
- Long term protection to reduce maintenance



Foam applicator cleans 0 & 00 size rail track



The micro brush is ideal for
applying Track Magic on points
& contacts

Track Magic cleans by dissolving
microscopic oily contaminants



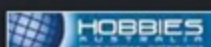
For more information,
download
our new catalogue



'Creating innovative modelling products
for over 45 years'

Distributed to all good model shops by Gaugemaster Controls Ltd.
Tel: 01903 884488 gaugemaster.com

In Australia by Hobbies Australia hobbiesaustralia.com.au



If you can't find DELUXE MATERIALS products in your local shop
we are just one click away

deluxematerials.com



MARCWAY POINTWORK

RENEW FOR QUALITY UNRIVALLED EXPERTISE IN TRACK AND POINTWORK

Ranges available in gauges 1, 0, SM32, 00, EM, HO 0-16.5. All are ready to run and spray finished. SAE or phone for leaflet.

MARCWAY 0 Gauge Pointwork
Handcrafted with code 125 bullhead nickel silver rail matching Marcway, Peco and C&L 0 gauge track. Built as per all our ready to run pointwork ranges with live frogs, are self isolating and rail built throughout with no cast or moulded parts. Extensive standard range including 3 ways, slips, crossings, curve points etc. L & R point start at £52.50.
Introduction offer 4x72" or 48" points £190.00

MARCWAY 00 & EM Pointwork
Handcrafted in either 00 or EM gauges with code 75 nickel silver Bullhead rail and to match to SMP Scaleway track. The 00 range are built to take Hornby, Bachmann, Lima as well as finescale wheel standards. EM are set to the normal fine settings. Range includes slips, 3 ways, curve points etc. Construction & finish as per 0. Prices start at £29.50 for L or R. Introductory offer 4 L or R, hand 36" or 48" points for £108.00.

SMP & MARCWAY SCALE FLEXIBLE TRACKS
Injection moulded plastic based. Finely detailed and proportioned to capture bullhead trackwork of the British Steam era.

0 Gauge 0 Track 125BH Rail Nickel Silver. Box of 10 yards. £65.00
J Scaleway 00 Track 75BH Nickel Silver Rail. Box of 10 yards. £46.50
K Scaleway 00 Track 75BH Phosphor Bronze Rail. Box of 10 yards. £46.50
L Scaleway EM Nickel Silver Track 75BH Box of 10 yards. £46.50
M Scaleway EM Phosphor Bronze Track 75BH Box of 10 yards. £46.50
P4 18.88 + 19.33 75BH Rail. Boxes of 10. £49.00

Custom Pointwork
We construct custom pointwork & junctions in any gauge to your required specifications. All gauges from G to 009 including Dual Gauge & American 0 & Narrow Gauges.
PHONE MARC ON 01709 542951 (not always manned)
TECHNICAL & CUSTOM POINTWORK

POSTAGE EXTRA COST.
MARCWAY SCALE MODELS
Open 10-4 - 6 days for more information go to marcway.net
Phone or Post your order. Full Marcway Pointwork list
HORNBY & SCALEXTRIC MAIN AGENTS Peco - Farish - Gauguemaster - Bachmann etc. Sets, Train Packs Locos and Rolling Stock. Track Controls and Accessories etc. Also modelers tools, airbrushes, paints, plastic, metal and wood section and sheet.
Secondhand equipment bought and sold. Visit selection combined with helpful & friendly service - Free technical advice by phone or in store
SITUATED 2 MILES FROM M1 JUNC 34 (Meadowhall Exit) 200yds from Attercliffe Tram Stop
Visit our spacious shop - vast selection of equipment in all gauges
598-600 ATTERCLIFFE ROAD, SHEFFIELD S9 3QS
EM NARROW GAUGES ETC. - SAFE OR TELEPHONE FOR

PROFES
Est. 54 years

SPECIAL POINTMAKERS FOR FIFTY TWO YEARS - GAUGES 1.0 FINE & COARSE SCALES SM 32.00

SLEEPING, RAILS, GAUGES, TEMPLATES, KITS ETC. ETC.
www.marcway.net

Technical & Pointwork:
01709 542951

Technical & Pointwork:
01709 542951

Illustrated Catalogues Including Post
OO, 009 (1/76th) £6 in Colour
N (1/148th) £5 in Colour
O (1/43rd) £4 in Colour

Mail Order By Return P+P £4,
over £40 Post Free. Unpainted metal kits-glue with epoxy glue (£7)

166 Three Bridges Road, Crawley, Sussex, RH10 1LE
Tel 01293 516329 www.langleymodels.co.uk

OO SCALE
Wide lock gates £24.15, 72ft Holiday Boat £38.75, 72ft working Narrowboat £34.25
Grafton Steam Grab Dredger £45.90
hundreds of other kits are in our OO catalogue

62ft Canal Barge £33.55

LANGLEY MODELS

Painted AA Box (incl colour artwork for 50 or 70%) £10.55
Painted RAC Box (incl 50or 70% artwork) £10.55
Painted 6x Fisherman/Trawlerman £14.30
Painted Quayside Figures & Equipment - Painted £14.60
Painted Forester Figures & Equipment £14.30
Painted 6 x assorted Coal Miners £14.30
Painted Washing Line and figures £12.50
Painted 4 x Postman & one Bicycle £9.65
Painted Relaxed Loco Driver & fireman (4 figs) £10.60
Painted Beekeepers & Beehives (3 white boxes) £11.40
Painted Coalman carrying sack, coalsacks and scales £9.90
Painted 'Wheeler' rubbish bins x 4 £8.35
Painted 4 x Postman & one Bicycle £12.25
Painted 60ft Seated Passengers set 1 £14.30
Painted 60ft Seated Passengers set 2 £14.30
Painted 60ft Seated Passengers set 3 £14.30
Painted 8 Ass Walking Women £19.05
Painted 8 x assorted Walking male figures £19.05
Painted 4 x Track Repairs track straighteners £10.60
Painted 4 Drunks lying, kneeling £10.60
Painted 4 Drunks peeing standing £10.60
Painted 6 x Station Figures £14.30
Painted 6 x Graveyard diggers workers £14.30
Painted Hunters (4) and gun dogs (2) £14.30
Painted 6 x People with Umbrellas £12.25
Painted Soft Policemen / Traffic Bobbies £20.10
Painted 8 Ass Clowns/Action positions £15.40
Painted Camels various positions £15.40

Beach Set Inc figs, lilo's sandcastle's etc £8.40
3 Assorted Donkeys & Rider £7.80
TV Aerials/weather vane £11.60
Cub Scouts camping, 1930s, figs & tents £12.15
10th Atlantic Caravan Scout Tent £5.60
1950's onwards Cub / Scouts on Parade £7.90
Pre 1950's Cub/Scout on Parade £7.90
1960's on Cub/Scouts & Flag Bearers £7.90
pre 50's Cub/Scouts & flag bearers £7.90
8 assorted Sailors £7.05
3 Council Workers and Hand Cart £7.80
6 x Fishermen / Trawlermen £7.45
6 Ass Boilermakers/loco repair figs £5.70
6 Assorted Bus Drivers & Conductor £5.70
Bicycle and Riding Figure £3.35
AA phone Box Circ 47on & paper artwork £6.05
RAC Phone Box & paper artwork £6.05
6 x Fishermen / Trawlermen £7.45
Quayside Flgs, lobster pots, fish trays £5.50
Foresters, scout saw, chainsaw, log split £5.95
Country Garage (incl folding doors) £39.00
6 Assorted Coal Miners Set 1 £5.50
6 Coal Miners and Equipment Set 2 £5.50
8 Hydraulic Pit Props in Use (4 covered 4 open) £4.95
8 closed hydraulic Pit Props (use in yard) £4.95
Washing Line, Washing & 2 Figures £5.50
10 Loco Lamps (square & round) £3.80
Ass Loco Vacuum Pipes £3.80
Working street lamp kit square globe & LED £6.10
Working station lamp kit Octagonal globe & LED £6.10
4 Pallets & 1 Pallet Truck £5.25

Austin LD Ambulance £6.85
Leyland 8 wheel Bulk Tanker £10.40
AEC 8 wheel Bulk Tanker £10.40
Burrell Showman's Traction Engine £14.35
Burrell Road Traction Engine £12.80
Garvie Threshing Machine £14.25
Atkinson Tractor Unit £7.90
Atkinson Ballast Box & Generator £9.25
Task 35-40 ton Low Loader beaver tail £9.30
AA Motorcycle & Sidecar and riding fig £4.45
RAC Motorcycle & Sidecar incl transfers £4.45
Leyland Fish & Chip Coach £13.50
Burrell Twin Cylinder Road Roller £14.35
Twin cylinder Portable Engine £13.10
Horse Drawn Hearse & figures £10.50
3 Motorcycles and 2 riding figures £6.45
Foden S20 Cement Mixer '54 £8.85
Foden S20 Tractor Unit '54on £6.75
Foden S20 Dropside Lorry £8.85
Fairground D/Deck lorry Foden S20 £13.50
Painted Sided Fairground Packing truck £9.90
JCB/CAT Type Wheeled Hi Lift Loader £12.50
Volvo Type Tracked Hi Lift Loader £12.15
Foden S20 6 wheel Breakdown Crane £12.15
Harvey Frost Breakdown Crane £4.80
Ransome Rapier 2 ton Crane or Demo ball £14.05

Painted Loading Gauge £5.60
Painted 2 x Station Seats with 2 figures £7.40
Painted Yard Crane £7.40
Painted Telephone box x 1 £4.60
Painted Pillar Boxes 2 off £4.60
Painted Single head Traffic Light x 4 £7.30
Painted Twin head Traffic Light x 4 £7.40
Painted Police Telephone box £5.60
Painted AA Box £5.60
Painted Ballast Boxes (two wooden boxes) £5.80
Painted trackside relay boxes £5.70
Painted Wire Memorial £6.45
Painted 2 Plain Horses (unharnessed) £6.35
Painted Loco Crew £4.25
Painted Swans & Ducks x 4 each £6.85
Painted Washing Line & Figure £7.50
Painted Wild Animals £7.40
Painted Assorted Seagulls x 8 £6.95
Painted Dogs 6 off £6.85
Painted 6 x Pigs £6.45
Painted Sheep 6 off £6.95
Painted Chickens 10 off £6.95
Painted Funeral Scene £9.85
Painted Wedding Scene £19.25
Painted Cricket Game £28.40
Painted Church Notice board & crucifix £7.90
Painted Lrg Wooden (Oak) Barrels x 4 £6.45
Painted Flower tubs and water butt £8.00
Painted Terracotta Chimneys (12x (3 types)) £9.30
Painted Welding Figures & Equipment £9.30
Painted Relaxed Loco Crew x 2 £4.25

'N Scale' Railway
Platform Staff £4.35
Garage Forecourt Fittings £6.35
N Catalogue £5

Painted AA Box £5.60
Painted Ballast Boxes (two wooden boxes) £5.80
Painted trackside relay boxes £5.70
Painted Wire Memorial £6.45
Painted 2 Plain Horses (unharnessed) £6.35
Painted Loco Crew £4.25
Painted Swans & Ducks x 4 each £6.85
Painted Washing Line & Figure £7.50
Painted Wild Animals £7.40
Painted Assorted Seagulls x 8 £6.95
Painted Dogs 6 off £6.85
Painted 6 x Pigs £6.45
Painted Sheep 6 off £6.95
Painted Chickens 10 off £6.95
Painted Funeral Scene £9.85
Painted Wedding Scene £19.25
Painted Cricket Game £28.40
Painted Church Notice board & crucifix £7.90
Painted Lrg Wooden (Oak) Barrels x 4 £6.45
Painted Flower tubs and water butt £8.00
Painted Terracotta Chimneys (12x (3 types)) £9.30
Painted Welding Figures & Equipment £9.30
Painted Relaxed Loco Crew x 2 £4.25

The Locoshed

48 Bury Old Road, Whitefield, Manchester, M45 6TL

HORNBY

R2093A Ex L&Y Pug 3-4-0 BR 51218 £65
R2569 The Tallman Train Pack with A3 £149
R2690 SR T9 4-4-0 NRM Special edition in SR Olive No 2690 £109
R1029 Breakdown train pack with N2 tank Crane and coach £125
R2021 D49 Hunt Class 62758 Cattistock £69
R2023 Duchess of Gloucester 48225 in BR Maroon £79
R2311 Duchess Class 6231 City of Glasgow LMS Black £129
R2205 Streamlined Coronation in LMS Crimson City of Birmingham £129
R2247 A4 Class 60019 Bittern Ltd ed sleeve £119
R2350 BR Class 50045 Achilles in NSE revised Ivory £129
R2146 Class A3 Flying Scotsman No 103 Gold Plated £169
R2215 Princess Elizabeth Class 6201 in LMS Gold Plated £169
R2723 N15 King Arthur in SR 751 Etna £125
R2650 BR SF 2-10-0 Heavy Freight in Black £99
R525 Tri-ang/Hornby 3F Jinty 47606 with smoke mint £65

BACHMANN

32-370 Class 37405 in DRS Compass livery £125
32-429 Hughes Fowler Crab in BR Black 42789 £89
32-125 Ex OWR 450X 4507 with DCC sound £185
32-450 Class 170/171 2 car DMU London Midland £89
32-450A BR Std 9F 92220 Evening Star heritage collection £135
31-155 Jubilee Class 6XP 5899 Galatea in LMS Crimson £85
31-210K Patriot Class 45596 The Royal Pioneer Corps £165
31-780 Modified Hall 6988 Switland Hall BR Green £119
32-520 DP1 DELTIC in powder Blue special box and stand £325
32-755 Class 57315 in Ariva Trains Wales livery £155
32-387 Class 37505 Railfreight red stripe £125
31-960 A Class A4 60015 Quicksilver in BR green £119

MISC

Dapol N gauge Class 66 train pack 66841/842 Coas Railfreight £149
Dapol N gauge EVS Managers pack with DB silver 67 and DVT £125
Dapol N gauge DB Schenker red Class 66152 £89

DEMONSTRATION LAYOUT, REFRESHMENTS & CUSTOMER TOILETS

We stock: • Gauguemaster • Jarvis • Woodland Scenics • Cork and grass rolls • Slaters plasticard and Mek pack • Jarvis plasticard and foam card sheet • Balsawood all the glues • Humbrol paints • All Dapol plastic kits • The full Metcalfe range • Hornby and Bachmann scenecraft buildings • Oxford diecast • Pocketbond • Base toys

We also have a good stock of **NEW & PRE-OWNED TRACK** OO and N gauge plus buildings and accessories. Please see our website news page which is updated regularly as we have collections coming in every week most of which never get a mention due to space restraints, also we are on Facebook under The Locoshed Models and Collectable and please take a moment to read our very good reviews on Google or on UK Modelshops Directory

We offer impartial DCC help and advice and we do understand DCC operation and its pros and cons

WE ARE INTERESTED IN BUYING QUALITY MODELS SINGLE ITEMS OR COLLECTION ANY GAUGE. WE CAN ALSO UPLIFT AND REMOVE LAYOUTS IF REQUIRED. REPAIRS AND DCC FITTING / ADVICE SERVICE AVAILABLE.

WE ARE ALSO HAPPY TO SWAP OR TAKE PART EXCHANGE ON ANY ITEM

All the above models are in near mint boxed condition unless otherwise stated. All major debit and credit cards accepted as well as Paypal. Mail order Cheques payable to the Locoshed Please All parcels sent out via Royal Mail 1st Class signed for at £3.95 per loco, discounts for multiple purchases.

Open Tuesday to Saturday 10am - 5.45pm, Thursdays until 7pm, closed Sundays as normally at Toyfairs or model rail shows, we are closed Mondays

Tel: 0161 772 0103 Mobile: 075904 13177 email: thelocoshed4@aol.com
Or visit our new website: www.thelocoshedmcr.co.uk

(SPALDING MODEL RAILWAY EXHIBITION)

SATURDAY 3RD & SUNDAY 4TH NOVEMBER 2018

SAT: 10AM - 5PM & SUN: 10AM - 4:30PM

9:30AM - 10AM WHEELCHAIR & DISABLED VISITORS ONLY

SPRINGFIELDS EVENTS CENTRE, CAMEL GATE, SPALDING, PE12 6ET.
(NEXT TO SPRINGFIELDS OUTLET SHOPPING CENTRE)

ADMISSION: ADULTS - £8.00 | OAP's - £7.00 | ACCOMPANIED CHILDREN FREE

30+ LAYOUTS | TRADERS | DEMONSTRATIONS
FREE SHOW GUIDE | FREE PARKING | RESTAURANT
www.spaldingmrc.co.uk

EAST OF ENGLAND'S PREMIER MODEL RAILWAY EXHIBITION

EXHIBITION SPONSORS

NVR
Tel: 01780 784444
www.nvr.org.uk

SQUIRES Model & Craft Tools
Tel: 01243 842424
www.squiresmodels.com

HORNBY magazine
Tel: +44 (0)1780 480404
www.hornbymagazine.com

DIGITRAINS
Tel: 01522 527731
www.digitrains.co.uk

BURE VALLEY MODELS
Tel: 01263 733858
www.burevalleymodels.com

From DC Kits
High Quality Sounds from LEGOMANBFFO
Tel: 0113 256 3415
www.dckits-devideos.co.uk



brimal.co.uk

Sales 01429 297277

Introducing the NEW CP800 Sound Controller
With real recordings done on location around the UK

The CP800 SOUND CONTROLLER

for Model Railway layouts
Comes complete with 15 live recorded sounds, 8 sets of track sensors, Built in speaker or ext Speaker. Power from separate supply or your Layout 12vDC supply. SD Cards also available for STEAM, DIESEL, UNDERGROUND & DCC Atmosphere.

Part No: CP800 see the Video on our site



Baseboard Hardware

We supply alignment Dowels, Section Locking Catches, and adjustable feet all for your MR table or Base-board



Multicore Cable

Multicore Cable from 4 core up to 25 core. Also available as screened cable in 8 & 12 core.

CB599 to CB627



Mini Toggle Switches

Toggle switch with Red/Green LED and Terminal Block connectors. Momentary (ON)-OFF-(ON) SW301-1, ON-OFF SW305-1, ON-OFF-ON SW303-1



Power Distribution Board

An DC Power Distribution Board - if you are not into soldering. Ideal for Bus Bar or general local distribution, etc. CN165



Momentary Switch Memory

Indicates the last position of a momentary switch or the position of points without sensors MR204



Equipment Wire

1/0.6 wire in 9 colours
7/0.2 wire in 9 colours
16/0.2 wire in 12 colours
24/0.2 wire in 11 colours
32/0.2 wire in 12 colours
Available in 100m rolls or 10m spools



Additional Power Supply 5v or 12v 5A

You never know when you require some additional power for accessories available in 12v or 5v at 5 Amps

We now have a Stock Catalogue. Please contact us on 01429 297277 for a copy

Have a look on thehobbyshed.co.uk for Inspiration & Solutions

We accept all forms of Payment on the web site brimal.co.uk If you have any problems ordering please contact us



Maquett Plastic Proles

Excellent quality
Super Styrene

Easy to cut, glue and use

Manufactured on high end extrusion presses

Precision proles and intersections make for a precision build

Best price starts at - 48 pence per piece retail

Amazing value for money



precision in plastic

33 cm lengths or 1 metre • White, clear and colour sheet • pvc foam board • x large white styrene Lexan clear • metal sheet • grid • grating mesh

For details of your nearest dealer/stockist/distributor please contact:

email: sales@albionalloys.co.uk website: www.albionhobbies.com tel: 01202 511232

Dealer enquiries welcome

YEC Class 02 Shunter 3D Printed/Laser Cut Kit

Available in OO, O & Gauge 1

O Gauge Kit

	OO	O	Gauge 1
Basic Kit	£75.00	£145.00	£250.00
Full Kit*	£150.00	£325.00	£450.00

*Includes Wheels, Motor, Gearbox & Crankpins

Additionally for Gauge 1 DCC Remote control with battery and sound can be added £220. DCC sound can be fitted to OO/O gauge, ask for details.

UK Postage & Packaging £8.50

ONLINE ORDERING: www.aldmodels.co.uk

TELEPHONE ORDERING: 0114 267 9402

You Tube [aldmodels](https://www.youtube.com/aldmodels)

WANTED - MODEL RAILWAY & COLLECTABLES

Top Prices Paid

For all makes, all gauges and live steam, aeroplane kits, boats, die cast etc.

Instant cash paid - Will travel to collect

DB MODELS LTD. 01778 420 066

07723 336344

email: pre-owned@dbmodels.co.uk

THE MODEL RAILWAY SPECIALISTS

Unit 3 The Arena, Roman Bank, Bourne, Lincolnshire, PE10 9LQ

Visit our website

www.dbmodels.co.uk

What will you treat yourself to?

Choose from our unique range of scenery detailing, kits & tools, all designed to help you create great scale models.



York's Exclusive Magnetic Mates from £9
Stocking fillers from £4 Building kits from £12 to £150
Please visit our website to view all our products

WINNER
MODEL RAIL
MODEL OF THE
YEAR
2017
Laser-cut accessories

www.YorkModelrail.com

York Modelmaking Printed price lists available 01904
Unit 13, Bull Centre, Stockton-on-the-Forest, York, YO32 9LE 400358

MIKE PETT'S SUPERCASET OO MODEL RAILWAY FIGURES

NEW MODELS £1.99 each unpainted



NEW Moriarty joins our popular Sherlock Holmes & Dr. Watson figures
NEW O Gauge Loco Crew, Fireman & Driver, £9.50 each painted, £8.50 each unpainted

VOTED WINNER OF MODEL RAIL 2017 NATIONAL AWARDS SCENIC ACCESSORY OF THE YEAR

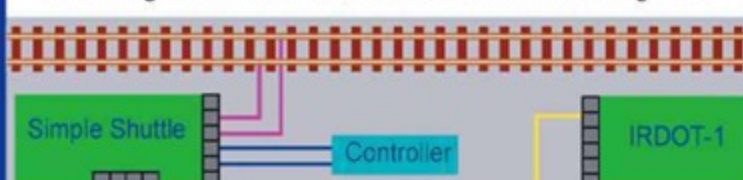
HAND PAINTED MODELS 'OO' Gauge £4.99 each



NEW Sikh passenger and wife, Painted £4.99 each
NEW Steam Era Policeman
Painted OO Gauge £4.99 each, Unpainted OO Gauge £1.99 each, Painted O Gauge £10.50 each, Unpainted O Gauge £8.50 each
MINIMUM ORDER 2 FIGURES. Post & Packaging: O Gauge figures £3.99 - OO Gauge figures £2.75 Trade Enquiries Welcome.
Please make cheques and PO's payable to: Mike Pett, 12 Chatham Street, Ramsgate, Kent, CT11 7PP
01843 593417 Mob: 07976 724225 Email: mikespettsupercast@gmail.com

www.heathcote-electronics.co.uk

The **SIMPLE SHUTTLE** controls a train running backwards and forwards. Trains pause for an adjustable delay at each end of the line. The Simple Shuttle has built in infra red train detection. An IRDOT-1 provides detection at the other end of the line. Advantages include: works in light or dark and no modifications to track or rolling stock.



Wiring is simple. Apart from connections to a 12 to 16 volt (AC or DC) power supply the diagram shows all the wiring. The Simple Shuttle can also be used where there are sidings at one end of the line. A train arrives in one siding, the points automatically change and a different train departs after the delay. This uses a simple shuttle and an IRDOT-P at the end of every siding. Track power is obtained from a conventional controller.

Special offer, valid for this issue:
Simple Shuttle plus IRDOT-1 £31.50 including post

For fast trains where gradual slowing and acceleration are required we have a range of controls for shuttles with and without sidings, station stops, passing loops, automatic storage sidings etc.

We also have a range of infra red train detectors and signal controls for semaphore and colour light signals.

See our informative website for information about all our products

www.heathcote-electronics.co.uk

email: cah@heathcote-electronics.co.uk phone: 01538 756800
Heathcote Electronics, 1 Haydock Close, Cheadle, Staffs, ST10 1UE

Aspire Gifts & Models

OPENING TIMES: Mon 2pm-5pm Tues, Wed, Thurs 10am-5pm

The Model Shop for Modellers, Run by a Modeller

Suppliers of all Major Railway Brands, We Chip, Service and Repair Engines.

Layouts built from Track to finished item.

THOUSANDS OF ITEMS AVAILABLE ON OUR WEBSITE CREDIT CARDS WELCOME

Come and see the progress on our new 30' x 30' OO Gauge layout Unit 4, Court Farm Business Park, Buckland Newton, Dorset. DT2 7BT
Telephone: 01300 345355 email: edward.aspire@btinternet.com
Website: www.aspiregiftsandmodels.co.uk

WOODLAND SCENICS * KNIGHTWING * SUPERQUICK * WILLS * BASE



MERCHANT NAVY CLASS ETCHED PLATES

Full range available in 2mm/N, 4mm/00 & 7mm/0 gauge

FOX TRANSFERS LTD • TEL +44 (0)116 319 4950
Unit 5, Priory Business Park, Wistow Road, Dept M R
Kibworth, Leicestershire LE8 0RX, ENGLAND callers by appointment
email: sales@fox-transfers.co.uk web: www.fox-transfers.co.uk

MORLEY CONTROLLERS

Experience the ultimate in controller technology!

VANGUARD ZERO ONE
• 2 x 5mtr hand held controllers
• 1 x 12V DC accessory
• O gauge
• Twin track
£127
PLUS £6.90 P&P

VESTA ZERO TWO
• 2 x 2.5mtr hand held controllers
• 1 x 12V DC accessory
• N gauge
• Twin track
£75
PLUS £4.80 P&P

VECTOR ZERO TWO
• 2 x 2.5mtr hand held controllers
• 1 x 12V DC accessory
• OO/HO/N/OO9 gauge (1 amp per track)
• Twin track
£75
PLUS £4.80 P&P

VORTRAK ZERO TEN
• 2 x 5mtr hand held controllers
• OO/HO/N/OO9 gauge (1 amp per track)
• 2 x 12V DC accessories
• Four track
£135
PLUS £6.90 P&P

Each controller has state-of-the-art design, offering very best performance capability. Slow and fast speeds are superb. Internal separate transformers for each track from 220/240 AC mains and on-board CDU for point motors.

www.morleycontrollers.com

(Secure order site)

01704 533 116 (Overseas enquiries +44 1704 533 116) **jet@morleycontrollers.com**

PO Box 501, Southport, PR9 9ZL
Also at PO Box 1230, Wangara BC, Perth, Western Australia 6947
Tel: 0421 359 487 <http://aus.morleycontrollers.com>

Blackwells Of Hawkwell
Miniatures Specialists
Tel 01702 200 036 or 01702 204 210 Sales@blackwells-miniatures.com

Heki Tree's & Scenics
www.blackwells-miniatures.com

Make your layout stand out with Heki Trees & Scenic Materials Quality at affordable prices

Order Online or just call to find out about the Biggest and Best range of Scenics on the market today.

Heki 2017 Catalogue £8.95 post paid

Trade Supplied P.O.Box 2099, Hockley, Essex. SS5 4UY Tel 01702 200036 e mail sales@blackwells-miniatures.com Trade Supplied

Mustard
CO.UK

Compare car insurance quotes today and see if you can get covered for less

mustard.co.uk or call **0330 022 7406**

mustard.co.uk is an Appointed Representative of Vast Visibility Limited which is Authorised and Regulated by the Financial Conduct Authority.

SAVE 10%
Use code: MODELRAIL254

Hardy's Hobbies
3D Printed Models

Hardy's Hobbies specialises in producing finescale figures taken from 3D scans of real people for your model railway.

www.hardyshobbies.co.uk
management@hardyshobbies.co.uk

DCC concepts thinking outside the square

Are you building a new layout or are there running problems with the one you have? For far less time, cost & effort than you may imagine, DCCconcepts PowerBase will improve performance.

DCCconcepts PowerBase Guarantee

Add PowerBase under all of your track, install it all correctly and we promise everything will work better. **GREATLY REDUCED** need for track cleaning... for all model railway layouts, big & small, simple or complex. **IMPROVED** quality of loco performance, with smoother running and tracking, especially for your smaller locos. **SIGNIFICANTLY** better power pickup consistency for all locomotives and stock with lighting or power needs. **MASSIVE** pulling power improvements... on gradients and on the flat - often doubling usable train length with no slipping to a stop irrespective of the locomotive type.



Starting with PowerBase

PowerBase is very low cost, and enough for all track on the average layout will cost less than most locos. Once you're ready to go, it is a simple 3-step process: **INSTALL** PowerBase plates on to the track-bed... a simple job using only glue, some weights & a little time. **LAY** your track normally... place the track on top of the PowerBase plates, fixing it with glue (or pins if you wish). **ADD** the PowerBase Magnets... to your locomotives, so that they are as close as is possible to the rail-head. You will not even have to take the top of the loco off to do it and installation can often be done in less than two minutes!

**DCCconcepts Ltd., Unit E, The Sidings
Settle, North Yorkshire BD24 9RP UK**

We welcome modellers & knowledgeable, specialised dealers who care about their customers from all around the world.

Ph: +44 (0)1729 821 080 (7 days)
sales@dccconcepts.com
www.dccconcepts.com





Harburn Hobbies, 67 Elm Row, Edinburgh EH7 4AQ
Tel. 0131 556 3233 Web. www.harburns.co.uk

P&P
£3.00
per order



HARBURN HAMLET
Acclaimed Accessories

Sizes are shown on our website www.harburns.co.uk

NEW!



CG238 Hen house £10.95

'00' scale



CG224 Pigeon Loft £10.50



CG214 Silage storage £11.95



CG229 Feeder & Trough £8.95



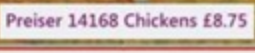
CG222 'Red Diesel' pump £6.50



CG230 Animal Shelters £9.99



CG228 Poultry shed £16.58



Preiser 14168 Chickens £8.75



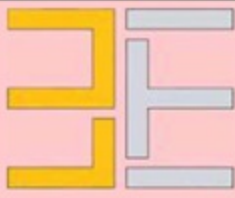
CG227 Beekeeper £6.95



CG225 Standard Hives £6.95



CG226 Classic Hives £6.95



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 the Nuts and Bolts of modelling
BA and Metric Nuts, Bolts and Washers
And the plastics - Evergreen, Plastruct, Maquett, Slaters, Styrene Sheet
And the Metals - Sheet, Strip, Wires (Straight and Coiled)
And the Solders, Fluxes, Adhesives and Solvents
And Tools - Soldering Irons, Files, Knives, Saws
And the Metal Tubes and Precision Sections
And so much more

Visit our webshop www.eileensemporium.com



DCC by Modellers for Modellers

Stockists of

Bachus, Circuitron, Tam Valley, CML Electronic,
DCC Specialties, Digitrax, ESU, Express Models,
Gaugemaster, LDT, CT Elektronik, Lenz, New Rail
Models, Roco, RR-Circuits, Sprog DCC, Team Digital,
TCS, NCE, Zimo. Plus Many More!

Ipswich Model Railway Centre, Unit 2, 48-52 Tomline Road Ipswich IP3 8DB.



Coastal DCC

+44 (0) 1473 710946

www.coastaldcc.co.uk enquiries@coastaldcc.co.uk

YouChoos



DCC Sound



Active braking
Dynamic & exponential inertia
Consistent function keys
Smoothed transitions
More sounds
Realistic shunt mode
Light-engine for steam
Notching for diesel
Mute (fade in/out)
Volume controls
and more...

BE THERE WITH
immersive Drive

Isn't it time you dived into the best DCC sound?

01380 530530
www.YouChoos.co.uk info@youchoos.co.uk



FROME MODEL CENTRE

Service and quality the way it should be

Established since 1986

QUALITY MODELLING PRODUCTS

We are one of the largest independent family run model shops in the country situated in the historic town of Frome.

We offer our customers the largest, most diverse range of modelling products under one roof with helpful & friendly service provided by our experienced team.

Model Railway Service & Repairs

Our experienced team are on hand to help with all General Enquiries & Technical Advice.

Buyers & Sellers of Second Hand Railway

One of the Largest Ranges of Model Railway Under One Roof








FROME MODEL CENTRE
1-2 Catherine Street,
Frome, Somerset, BA11 1DA

TEL: 01373 465295
Fax: 01373 451468

Email: sales@frome-model-centre.com

FREE PARKING

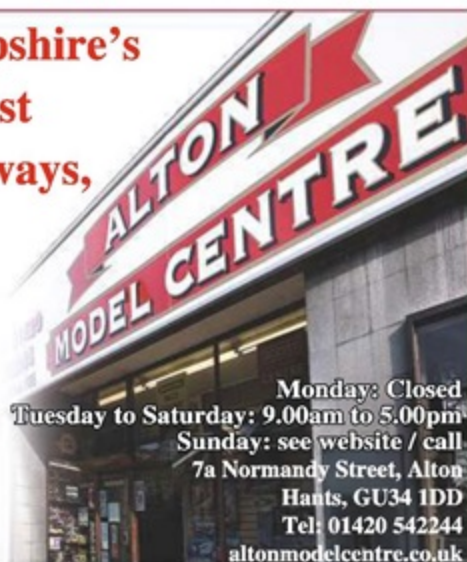
OPENING HOURS
Tues-Sat: 10am-5pm
Sun/Mon: Closed






www.fromemodelcentre.com

Possibly Hampshire's Largest Stockist of Model Railways, Die-Cast, Books, Magazines, Scalextric and much more.



Monday: Closed
Tuesday to Saturday: 9.00am to 5.00pm
Sunday: see website / call
7a Normandy Street, Alton
Hants, GU34 1DD
Tel: 01420 542244
altonmodelcentre.co.uk

Full range of model railway products from the leading manufacturers including:

Hornby, Bachmann, Dapol, DJ Models, Graham Farish, Heljan, Oxford Rail, Peco, Dapol, Ratio, Wills, Superquick, Metcalfe, Gaugemaster, Parkside, Railmatch, South Eastern Finecast, Woodland Scenics and many, many more.

DCC equipment from DCC Concepts, ESU, Gaugemaster, Hornby and Bachmann. Sound decoders from South West Digital.

Also stockists of Die cast models including:
Corgi, EFE, Oxford Die-Cast, Base Toys & Classix.

Modelling materials & tools.

Vallejo Model Colour
AK pigments and washes

Wide selection of books, DVDs, videos and magazines.

HOWES
MODELS LTD
— 75+! —
1939-2017

UNIT 16B, STATION FIELD INDUSTRIAL ESTATE,
ROWLES WAY, KIDLINGTON, OXFORD OX5 1JD
01865 848000, Open 09:00-17:00 Mon-Fri, close at 16:00 Sat

HOWES THIS FOR SOUND!

**PROBABLY THE BEST AVAILABLE
AND NOW THE BEST FOR LESS
NEW LOW PRICE £99.99!**

Hundreds of hours have been invested by our experts to ensure you receive what we believe to be the best UK sounds available. We can supply ESU Loksound decoders with our sound files and can also re-blow your ESU LOKSOUND decoders if you are unhappy with the sounds on them – our 're-blow' service is only £12.00 plus return courier charge.

**BR diesels, electrics, multiple units & steam –
huge choice – just visit us on-line to see
our full selection!**

Sound decoder with speaker - **£99.99** for ESU/Howes V4.0
plus £5.95 delivery (UK).

*Please remember that we offer a
decoder fitting service, please phone for more details.*

All our sounds can be offered for 'O' gauge models but may
require a different decoder, depending on current draw -
please phone for details.

ESU/Howes **XL** decoders for all Heljan 'O' diesels;
are available at £179.99 inc speaker.

www.howesmodels.co.uk



**FOR MODELLERS WHO
REQUIRE QUALITY,
ACCURACY,
PERFORMANCE &
DURABILITY**

*The new name in brass
O gauge RTR locomotives,
built to the highest standards*

*Fully finished by FM Models
in South Korea, designed and
developed in conjunction with
LH Loveless*



**www.55H.co.uk
www.loveless.co.uk**

55H Unit 3 Fulford Business Centre,
35 Hospital Fields Road, York YO10 4DZ
Tel: 01132 761759 / John@55h.co.uk
01423 712446 / Lawrie@loveless.co.uk

55H is a TRADING NAME OF FINE SCALE BRASS

9F IN STOCK NOW!



WHY WAIT AND PAY MORE?

4 versions, choice of numbers BR1G, BR1C, BR1D and BR1F tenders, single/double chimney and Tyne Dock, late/early crests.

£2300.00 DC
£2650.00 DCC & sound
£3000.00 DCC, sound &
sync. smoke



NOW IN PRODUCTION!



© Cliff Williams

In production for delivery
early-2019 7MT "Britannia"
class and 8P Duke of Gloucester,
choice of names, tenders, smoke
deflectors, front steps and crests.
Fully finished by the factory and
ready to run on delivery.

£2600.00 DC
£2950.00 DCC & sound (UK fitted)
£3300.00 DCC, sound &
sync. smoke

www.expressmodels.co.uk

LIGHTING SPECIALISTS

Let our lighting scenic effects bring your layout to life. Our range includes: Flashing Neon Signs, Arc Welding Simulators, Flickering Fires, Working Belisha Beacons, Party Garlands & Flashing Beacons for Emergency and Maintenance Vehicles. We also stock a comprehensive range of Knightwing Products & the excellent ID Photographic Backscenes.

Visit our website which has secure online shopping.

EXPRESS MODELS, 65 CONWAY DRIVE, SHEPHERD,
LOUGHBOROUGH, LEICS. LE12 9PP

Tel: 01509 829008 Fax: 01509 560878

Email: express.models@ntlworld.com



= TEN COMMANDMENTS =



ROLLING ROADS

HIGHEST QUALITY GERMAN ENGINEERING. SUITABLE FOR USE WITH DC OR DCC CONTROL. SIMPLE ELECTRICAL CONNECTION. AVAILABLE FOR MOST POPULAR GAUGES.

SEE WEBSITE FOR MORE INFORMATION

N MINI	200MM	6 ROLLERS - SUITABLE FOR MOST N LOCOMOTIVES	£55
N LONG	400MM	8 ROLLERS - LARGE LOCOMOTIVES / MULTIPLE UNITS	£70
O SMALL	300MM	6 ROLLERS - SMALL STEAM LOCOMOTIVES / DIESELS	£60
O STD	400MM	7 ROLLERS & PONY TRUCK - LARGE LOCOMOTIVES	£75
O SMALL	400MM	6 ROLLERS - SMALL STEAM LOCOMOTIVES / DIESELS	£70
O STD	600MM	10 ROLLERS - SUITABLE FOR MOST O LOCOMOTIVES	£99
O LARGE	800MM	10 ROLLERS - FOR EXTRA LONG O LOCOMOTIVES	£110

NEW CCTV & LAMP RANGE - OO GAUGE

A NEW RANGE OF HAND BUILT AND PRINTED CAMERAS AND LAMPS (NON-WORKING) NO ASSEMBLY REQUIRED. SIMPLY MAKE APPROPRIATE HOLE IN BASEBOARD AND GLUE IN PLACE. SEE WEBSITE FOR FURTHER INFORMATION AND PICTURES

L235	CCTV CAMERA ON POLE	£5.95
L241	CCTV CAMERAS - 2 X WALL MOUNTED	£3.50
L242	LEVEL CROSSING CAMERAS	£6.50
L244	CAR PARK / YARD LIGHTS X 2	£4.00

SEE US AT WARLEY / NEC, MANCHESTER & PETERBOROUGH

TEN COMMANDMENTS, 20 STRUAN DRIVE, INVERKEITHING, FIFE, KY11 1AR
Tel: 01383-410032 Email: tencommandments@btinternet.com

TELEPHONE ORDERS MONDAY - THURSDAY 10AM-7PM

www.tencommandmentsmodels.co.uk



modula
layouts

Layouts built & wired
to the
highest standards

READY TO RUN & DELIVERED TO YOUR DOOR

We build layouts to
your own design and
specification.

Designs can be of any size
and in most gauges.

Just call us
to discuss your
requirements.



MR NOV18

01277 624741 Mon-Fri 9am-5pm

Order directly from

www.modulalayouts.co.uk

SEE A SELECTION
OF LAYOUTS -

VISIT OUR GALLERY PAGE AT

www.modulalayouts.co.uk

MODEL RAILWAY SOLUTIONS

NEW MODEL SHOP NOW OPEN!

- All well known brands stocked.
- Free on-site parking.
- Gift cards available.
- See website for info on our Modular Baseboard & Helix systems.
- We also purchase any unwanted railway items or collections.
- Online shop to follow shortly.

Unit 1, 10-12 Alder Hills,
Poole, Dorset. BH12 4AL.
01202 798068.



www.modelrailwaysolutions.co.uk

Email: info@modelrailwaysolutions.co.uk

THE PERFECT LOCATION
FOR A MODEL RAILWAY

CRANE
GARDEN BUILDINGS



• SHEDS • WORKSHOPS • SUMMERHOUSES • GARAGES • STUDIOS •



NATIONWIDE FREE DELIVERY AND
INSTALLATION

www.cranegardenbuildings.co.uk

Our buildings are exceptionally strong and robust, built with the highest quality timber in either a standard design or one to suit your particular needs. We can line and insulate your building as well as fit an electrical pack and heater for year round use. Our unique security pack ensures total security for your model railway; we fit window bars into the window frames, use non-returnable screws on our hinges and fit a 7 level lock, (anti-prising, anti-cropping, anti-picking, anti-sawing) which uses a unique key.

Telephone 01760 444229



Sig-naTrak®

Model railway electronics by GFB Designs

Our DCC controller - new features coming!



- ★ Up to 9999 train and 2044 accessory addresses
- ★ Trains and accessories can be named
- ★ Easy to use - elegant, clearly-labelled touch keys - clear, colour graphical display
- ★ Drive from the touch panel, or optional handsets
- ★ Generous 5A output!
- ★ Integrated USB interface!

£249.00

The ACE-2 (DCS2044-2H)
 NMRA-compliant DCC controller with full decoder programming and reading.
 Compact: only 220x150x45mm!
 Computer control, XpressNet & LocoNet® under development!

and for accessories.....



The IMP (part no: DSI1001)
 Servo controller - DCC or DC.
 £16.00



The GEM (part no: DPD2001)
 Point motor - DCC or DC.
 £19.00



The DRIVER
 (BHS1204)
 ACE Handset.
 £28.00

See website or send large-letter SAE for more details. (prices inc. VAT, p+p extra)
GFB Designs - WE put YOU in control!

Layout control modules - DCC or LocoNet™

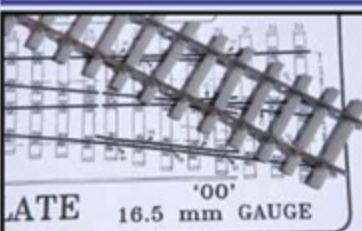
DAC20 Accessory Decoder - 8 outputs, built-in CDU.	£65.00
SIGM20 Colour-light Signal Controller - 6 or 8 outputs	£54.00
DTM30 Digital Tower Master - 30 inputs & outputs.	£63.00
DSS1 Loco Shuttle - automatic train running sequences.	£60.00
TXC1 Turntable Controller - automatic indexing.	£80.00
MSC8 Scenery Animator - control lights, motors & servos.	£30.00

67 Boddens Hill Road, Stockport, SK4 2DG
Tel: 0161 883 2022; fax: 0161 883 2077
 (Callers by appointment only, please.)
Email: info@signatrak.co.uk; Web: www.signatrak.co.uk



FINESCALE

TRACK BUILDING SYSTEMS



TRACK BUILDING MATERIALS FROM C & L FINESCALE AND BRITISH FINESCALE FINETRAX TRACK SYSTEM
Ranges in 4MM OO, EM P4, and 7MM O Gauge

We have O Gauge products from Dapol, Peco, Gaugemaster, Parkside and Slaters Plastikard
 For current exhibition listing please check our website.

Office hours 10.00 to 14.00 Mon, Tues, Thurs. 14.00 to 19.00 Weds. Closed Fri.
 C & L Finescale Track Building Systems Ltd 125 Beaver House, 12 East Street, Epsom KT17 1BX
 Telephone 01372 748490 www.finescale.org.uk

16.5 mm GAUGE

SIMON'S TRAINS

The Holsworthy model shop offering a first class service

Simonstrains.co.uk







BRAND NEW WEBSITE
 OO, OO-9, HOe and N
 New and Secondhand
 Plastic kits Balsa Wood
 Paints, glue and more!

Tel: 01409 255510 Open 10am - 4pm Tuesday to Saturday



6 Bank House, Chapel Street
Holsworthy, Devon EX22 6AR

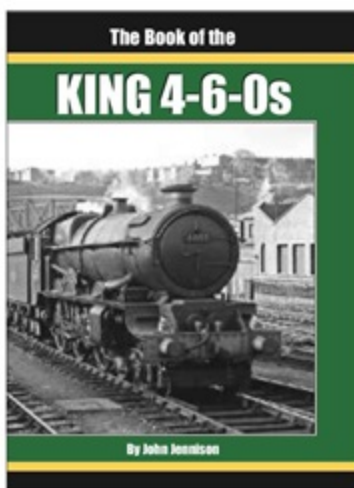


NEW BOOKS FROM IRWELL PRESS

The Book of the KING 4-6-0s

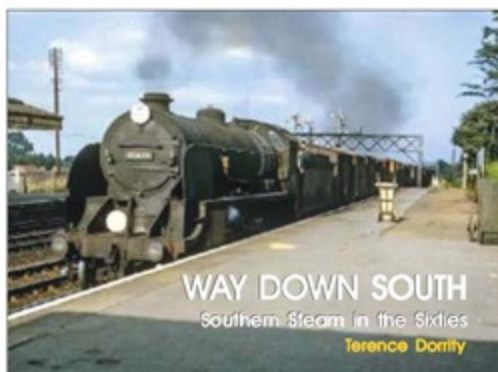
By John Jennison
 240 pages, hardback
 ISBN 978-1-911262-20-6
 PRICE: £30.95

The Kings were the final development of the Churchward four-cylinder 4-6-0, stretched to the very limits of the loading gauge. Many people have asked why this, the premier Great Western Railway express passenger class, had not been covered in the 'Book of' series when books had been devoted to the humble pannier tanks and the 'lesser' 4-6-0 classes. The answer lies partly in the mists of time - in the previous millennium when Irwell Press published Peto's Register on the Kings in 1995. Although it has stood the test of time quite well, it was thought the material should be dusted down, refurbished and re-invigorated with a generous helping of new pictures to take its rightful place at the head of the GWR 'Books of'. The Chairman of the Great Western wanted the most powerful express engines in the country, and the successors to the Castle were designed to achieve this. His publicity department, never shy of trumpeting the company to the outside world, took full advantage of its new engines and pressed its claim, both at home and to the world via a trip to the USA. They even produced a book titled The 'King' of Railway Locomotives and details taken from several of its chapters have been included as a fascinating contemporary account of the building of the engines. As befits their status, the Kings attracted much attention from the enthusiast community from first to last, and many column inches have been devoted to their workings in both contemporary and historical journals and magazines.



WAY DOWN SOUTH
 Southern Steam in the Sixties

Terence Dorrity
 128 pages, hardback
 Colour throughout
 ISBN 978-1-911262-18-3
 PRICE: £24.95

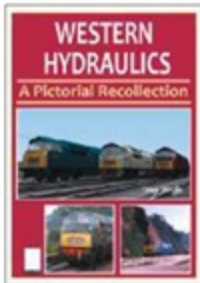


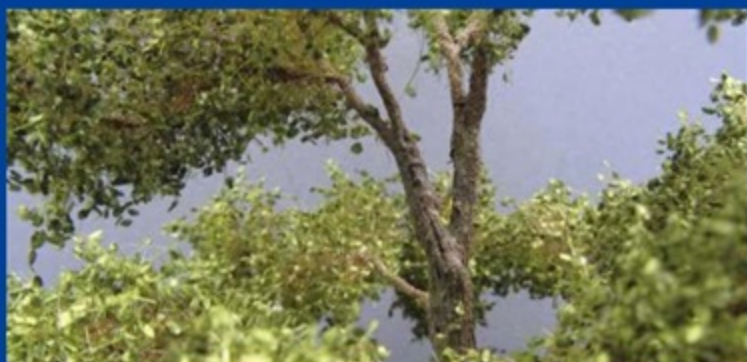
IRWELL PRESS Ltd, 59A High Street, Clapham, Beds MK45 4BE, Tel: 01525 861888
 Order now by sending your details to Irwell Press Limited and please add 15% towards postage and packing and allow up to 14 days for delivery. Overseas customers please enquire as to postage rates. Alternatively order from our secure website www.irwellpress.com

The Western Region Diesel Hydraulics
 A Pictorial Observation by Robert Carroll

ONLY AVAILABLE FROM W.H.SMITH
 HIGH STREET SHOPS OR DIRECT FROM THE PUBLISHER.

Introduction by Tony Wright
 Bookazine - COLOUR THROUGHOUT
 Price: £10.99 - 80 pages - card cover
 Available NOVEMBER





MBR - Beautiful handmade trees and grass (N, TT, OO/HO, O, 1...)



Spectacular French HO Models DC and DCC 2-rail by REE

A&H MODELS

Telephone Mail order
01280 701410

Web catalogue: www.aandhmodels.co.uk e-mail: dccshop@hotmail.co.uk

High Street Shop:
95 High Street, Brackley, Northamptonshire NN13 7BW

PETER'S SPARES

**MODEL RAILWAYS LIMITED
MAIL ORDER & REPAIR SPECIALISTS**



- ♦ New & Used Hornby Spare Parts
- ♦ Our own spare parts made in China
- ♦ Locomotives and Rolling Stock
- ♦ Plastic Kits, Paints, Tools & Glues
- ♦ Digital Decoders & Controllers
- ♦ Locomotive Detailing parts
- ♦ Mega Steam Smoke Fluid
- ♦ Tracks & Train Sets
- ♦ We have it all at Peters Spares

NEED HORNBY SPARES?

Talk to Peter's Spares Over 2000
Different Hornby Spares in Stock.
East Kent Models Parts Are
Being Listed On Our Website.

**WE
STOCK
10,000
ITEMS**

DON'T FORGET WE SELL:

Locomotives, Rolling Stock, Scenics

and much more!



NEW & USED MODEL RAILWAYS

Specialists in Model Trains since 1994 - Servicing, Repairs & DCC Decoder Fitting
2J Brighthouse Business Village, Riverside Park, Middlesbrough, Cleveland TS2 1RT



Tel: 01642 909794

Open Mon-Sat 10am-5pm

Web: www.petersspares.com

Email: sales@petersspares.com



GAUGE MASTER

Wycrail 18

Cressex Community School, Cressex Road,
High Wycombe, HP12 4UD
3rd November 2018 10am - 5pm



30+ Layouts & Full supporting Trade

Admission:

- Adults 17 & above £7
- Children 16 & under FREE

- FREE Bus Service, from Wycombe Railway Station & Park & Ride Car Park
- Refreshments and Free Parking



Show Sponsor

High Wycombe & District Model Railway Society

Directions and more information www.hwdmrs.org.uk

AC Models

Tel. 02380 610100

www.acmodelseastleigh.co.uk

Your one stop shop for the model enthusiast, selling brand new and near-new model trains, slotcars, sets, and diecast toys at very special prices direct from our website or new shop in Eastleigh.

Stockists of



and much more!



Models moved to No9 and

Games Workshop/Spares Dept at No7.

We now have a R/C Department at No7

Open 5 days a week 9am-5pm (Both shops closed Wednesday & Sunday)

7/9 High Street, Eastleigh, Hants. SO50 5LB
email: info@acmodelseastleigh.co.uk

-WANTED- MODEL RAILWAY AND COLLECTABLES

Small or large collections
in any scale.

Almost anything will be
considered

Top cash prices paid

01302 371623

07526768178

ANORAKS ANONYMOUS

anoraksanonymous@googlemail.com



OSBORN'S MODELS



DOING 'N' SCALE
on a
BIG SCALE



NEW STATION BUILDING

7 HONESTONE ST, BIDEFORD, N. DEVON, EX39 2DL 01237 423453

www.osbornsmodels.com

Durham Trains of Stanley



"more than just a model shop"

6 Station Road, Stanley, County Durham DH9 0JL

Tel: 01207 232545

email: sales@durhamtrainsofstanley.co.uk

Opening times: 9.30 - 5.00 Mon, Tues, Fri & Sat, 11-7 Thurs, Closed Wed.

DCC Fitting & Weathering Service

www.durhamtrainsofstanley.co.uk

DCC Supplies

Excellence in model control

Email: info@dccsupplies.com

Website: www.dccsupplies.com

Telephone: 01905 621999

- We take the time to find the right product for you
- Our own range of innovative products
- All encompassing range of stock products
- Wide range of Dapol Products (price match on locomotives & wagons)
- Special Commissions, Limited Editions
- DCC installations, service and repairs for any gauge
- Expert friendly customer support
- Informative DCC Workshops
- Teaching you the facts since 2006
- Visit us at our shop and try the demo facilities

Shop Opening Times:

- Mon - Thur 10am - 5pm, Fri 12pm - 5pm
- Sat 10am - 4pm

Phone Opening Times:

- Mon-Fri 10.30am - 12pm & 2pm - 4pm

Unit 17A Top Barn Business Centre, Holt Heath, WR6 6NH UK

THE CHRISTMAS MODEL RAILWAY SHOW MANCHESTER 1st - 2nd December 2018

Entertainment! Convenience! Variety!



Organised by The Manchester Model Railway Society - www.MMRS.co.uk

Three minutes walk from Piccadilly station.

High quality layouts / Family attractions

Comfortable venue / Wide range of traders

Adults: £9 on the door, £8 in advance.

Children FREE (up to three children with each adult).

Sat 1st: 10:00am - 5:30pm; Sun 2nd: 10:00am - 4:30pm.

Doors open at 9:45am for advance ticket holders.

Barnes Wallis Building, North Campus -
University of Manchester,
Altrincham Street,
M1 7JA

TOWNSTREET MODEL ARCHITECTURE AT ITS FINEST
From the stonecast range that brings realism to your layout.
NEW "OO" GWR COALING STAGE £67.50

A selection of our kits include:

Citadel Station	£97.50
North Light Engine Shed	£69.50
LNER 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 Station	from £49.50
Brick Station	from £39.50
Brick/Stone Water Tower	£22.50
Brick/Stone Goods Shed	£49.50
Brick/Stone Engine Shed	from £43.50
Brick/Stone Signal Box	from £39.50
Sand House	£36.50

PLEASE ADD £4.60 P&P

60 page "OO" catalogue. Full of buildings, bridges, platforms and ideas for your layout £3.80 post free.

TOWNSTREET
6 KIRKCHILL, 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

Santa Fay knows where she will be doing her Christmas shopping

C&M Models

1 CROSBY STREET, CARLISLE CA1 1DQ Tel: 01228 514689
Web: www.candmmodels.co.uk E-mail: sales@candmmodels.co.uk
Opening hours: Tuesday to Saturday, 10.00 to 17.00
Please note that the Santa hat and young lady are not currently available from us.

Visit → scalescenesc.com
Download → Print → Build

The home of quality downloadable card model railway kits since 2005

NEW Crossing Keepers Cottage → scaleglaze.com
Includes selection of door colours ONLY £3.99
Windows available for this kit

Card kits that pass closer inspection

Buy once unlimited prints

View our large range of N and OO kits and texture sheets

ISINGLASS

3D printed body kits
LNER Scale Drawings.
Components (CAD work and printing)

27 Grange Road, Toddlington, Dunstable LU5 6BZ
www.isinglass-models.co.uk Email: Andy@isinglass-models.co.uk

MegaPoints Controllers

Awesome layout control system

Control your model railway from one or more tactile control panels

- NO SOLDERING! *It's all plug and play!* ✓
- Only uses a single cable between each control board.
- Includes **feedback channel display** option for:-
 - Block & section track occupancy ✓
 - Points position indication ✓
- Optional **bespoke professional mimic panel design** and build.
- Control servos, traditional solenoids, stall motors and relays.
- Works with **analogue and digital** layouts.

See website videos and product pages for more information.
Our single MultiPanel control board does it all! →

A single cable connects each control board together and operates in BOTH directions for feedback display.

Plug-and-play, NO Soldering for control panel hookup. Cables and buttons available pre-wired with plugs attached. See our new website for details.

Your bespoke mimic panel

MegaPoints Controllers Mythical Junction
www.megapointscontrollers.com

Size 8cm x 10cm

1. Plug in LED cables
2. Plug in switch cables
3. Connect to control boards
4. Press buttons, start using!

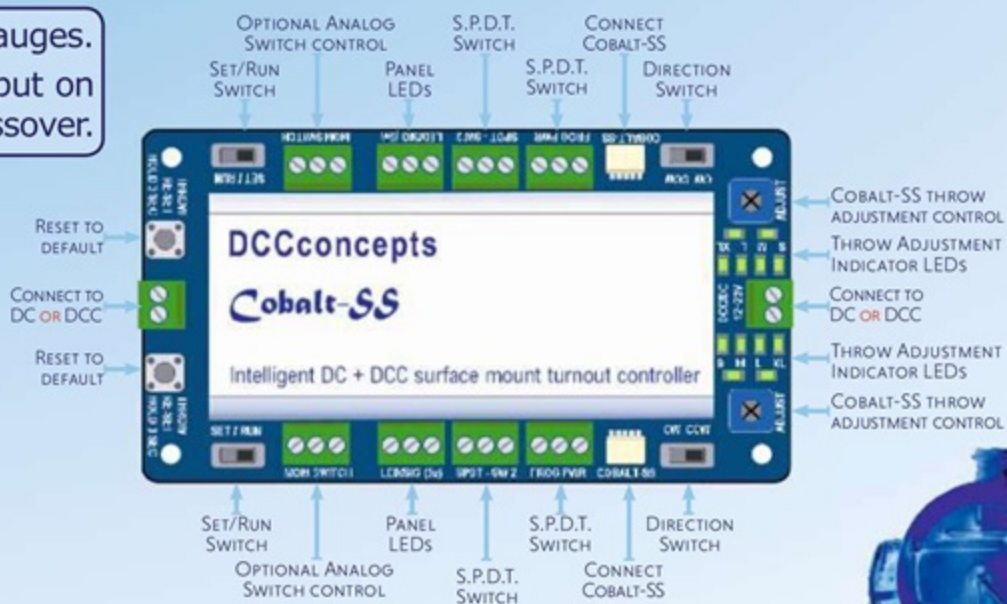
Designed and built in Great Britain

Web & details: megapointscontrollers.com

Cobalt-SS. The ultra-small motor drive turnout motor, ready to go "as is" to use with DC or DCC. So small that it can be almost hidden in the ballast, yet strong enough for all common scales. Very stable stepper motors provide the drive power... and all motor connections are plug-and-play.

Cobalt-SS works with all common scales & gauges. All you will need is in every pack. Each output on the control board is able to operate a full crossover.

This picture of Cobalt-SS is presented here full size



DCCconcepts Ltd., Unit E, The Sidings, Settle, North Yorkshire, BD24 9RP, UK

We welcome modellers in all scales and prototypes... and those knowledgeable, specialised dealers who learn about the products they sell and care about their customers from all around the world.

Ph +44 (0) 1729 821 080 * sales@dccconcepts.com * www.dccconcepts.com

THE ULTIMATE DAY OUT FOR RAILWAY MODELLERS

30+ LAYOUTS • 100+ TRADERS/SOCIETIES • LEARN FROM EXPERTS **RMweb** **NVR**

TICKETS ON SALE! **MODEL-RAILWAY-SHOWS.CO.UK**

Sat 10am - 5pm & Sunday 10am - 4pm. Advance ticket holders 9.30am Sat & Sun

East of England Arena & Events Centre, Peterborough, PE2 6XE | Ticket hotline 0844 581 4904

FREE PARKING AND SHUTTLE BUS

AX089-00 Mobile Lighting Tower
Order Yours Now! Only £9.99

AX091-00 Ifor Williams Style Trailer & Towbars (Fits Oxford Transit etc.)
Order Yours Now! Only £6.99

3D PRINTED TRACKSIDE ACCESSORIES IN OO

VISIT US AT WARLEY - STAND - B073
Bring a photograph of this ad for a free gift!
* while stocks last

scalemodelscenery.co.uk
Order online or call 01530 456952

PETER OSBORNE BACKSCENES
A choice of Photo Backscenes bespoke printed to the size you require
Printed photo sheets of actual Building Facades and Alleyways in OO, TT and N scales
Downloadable individual Facades, Alleyways and Urban Rooftop Scenes to any scale
www.peterosbornebackscenes.co.uk

TRAINTEES
LEISUREWEAR WITH A RAILWAY THEME

THE WIDEST RANGE OF RAILWAY THEMED LEISUREWEAR IN THE U.K.
SHORT AND LONG SLEEVE TEE-SHIRTS, SWEATSHIRTS & POLOS.
VIEW & BUY ONLINE OR PHONE 01793 764091 FOR ORDER FORM

www.traintees.co.uk

RON LINES

Large stocks of pre-owned railways a selection of which is on our website.

We stock new Hornby, Bachmann, Graham Farish, PECO, Expo tools, Electrical components & much more.

We also purchase your unwanted railways, whether it's a single item or collection, anything considered.

Whether you're a novice or an expert we are always happy to help!
So why not visit us today or give us a ring!

Tel: 02380 772 681 www.ronlines.com
342 Shirley Road. Southampton. SO15 3HJ
Open Mon-Fri 10am-5pm & Sat 9am-4pm

MORRIS MODELS
NORTH LANCING

80 Manor Road, N Lancing, West Sussex, BN15 0HD
Tel 01903 754850
www.morris-models.co.uk
info@morrismodels.co.uk

We are between Brighton & Worthing, just off A27 west of Shoreham Airport

BRITISH RAILWAYS
HORNBY, PECO, DAPOL, HELJAN

BICYCLED
OO/HO & N Cycles & M/cycles with working lights!!
See our website for details
Easy Free parking!!
Open Mon - Sat 9.30 to 5.00

CONTINENTAL RAILWAYS
FLEISCHMANN, Roco, BACHMANN, TRIAX, herpa, FALLER, PREISER
PLUS MANY OTHER RANGES OF SCENIC MATERIALS, BUILDINGS, VEHICLES etc

THE HOBBY SHOP
Est. 1988
www.hobb-e-mail.com 01795 531666 info@hobb-e-mail.com

85 Preston Street, Faversham, Kent, ME13 8NU

MODELIT
MODELIT Ltd, 5 HENACRE WOOD COURT, QUEENSBURY, BRADFORD. BD13 2LJ
Tel: 01274 817344 (mail order only - no callers)
Postage up to £25.00 value £2.99, over £25.00 £4.99
www.modelittd.co.uk
Model Lamps for "N" & "OO"

"PLUG-IT" no soldering connecting system

Victorian Lamp green, red or blue 'N' or 'OO' £2.99
Double Electric Platform green, red or blue 'N' or 'OO' £3.29
Modern Station/Street Lamp 'OO' £2.79
Gas Lamp (x2) 'OO' £2.99
Yard Lamp 'N' £5.99 'OO' £6.99
Wall Mount Lamp 'OO' £2.29
Flood Light 'OO' £7.99
Dimmer Switch (reduce the brilliance of LED lights) £7.99
Pendant Lamps (x2) 'OO' £3.99
Modern Station/Main Street Lamp 'N' or 'OO' £2.79
Street Lamp (green) 'N' or 'OO' £2.99
LIGHT OR DISTRIBUTION LEAD
Power Supply £19.99
Extension Lead 100cm £2.99
Extension Lead 30cm (x2) £3.99
Distribution Lead (5-way) 50cm £3.99
Swan Neck Lamps
BR(SR) 'OO' £2.99
BR(LMS) 'OO' £3.19
BR(GWR) 'N' or 'OO' £2.99
Light Leads 15cm approx
DISTRIBUTION LEAD
POWER SUPPLY WITH SOCKET 30cm
EXTENSION LEAD

Trains4U.com
27 St. David's Square, Fensgate, Peterborough, PE1 5QA
Open Tues-Fri 9:30-5:00, Sat 9:00-5:00, Sunday 10:30-3:30, closed Monday

Revolution N
N Gauge Cargowagon Twins
Now in stock!

NIZA-2101 - Twin Van.....£49.50
NIZA-2102 - Twin Van with flashing tail light.....£55.00
NIZA-2103 - Twin Van Perrier.....£49.50
NIZA-2104 - Twin Van Revised Livery.....£49.50
NIZA-2302 - Twin Van Triple Pack.....£149.00

Check out our YouTube Channel: [Trains4U.com](https://www.youtube.com/Trains4U.com)

DCC & Sound Fitting, Repairs & Servicing. Models detailed & weathered to your spec

Auhagen NOCH kibri FALLER
Tel: 01733 895989 e-mail: Trains4U@BTconnect.com

MODEL RAIL Marketplace

CALL VICTORIA ON 01733 366395 • victoria.matthews@bauermedia.co.uk

Books & DVD's

Dereks Transport Books
All Transport Subjects Covered
www.derekstransportbooks.com
Over 8000 Books in Stock On-line
Based in the New Forest
Established 1995

Shipping Commercial Aviation Canals
Motoring Vehicles

Manufacturer

Isle of Wight Railway Beyer-Peacock 2-4-0T
All metal, etched nickel chassis,
+ alternative fittings £89.95
LBSC J 4-6-2T, Resin & Cast metal, alternative parts;
body only kit fits previous Hornby B12 chassis £50
Above not on website, email for invoice
Expert Building, Painting & lining services
www.goldenarrow.me.uk
Quality bowpens & instrument sets in stock
392 HAROLD ROAD, HASTINGS, SUSSEX TN35 5HG
Tel: 01424 445334 Email: c.meach@tiscali.co.uk

Online Shops

Howard Scenic Supplies

Your first stop for model railway scenery

NOCH FALLER Preiser HORNBY Hebi Printers Backscenes
Visit our website to see our large range of
Model Figures, Backscenes, Trees, Model Kits & More!

www.howardscenicsupplies.co.uk

NICK TOZER
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

Model Services

Model Layout Services
Layout Building - Custom Buildings
Bespoke Baseboards - Scenery
www.modellayoutservices.co.uk
Tel: 01337 830007

Ready to Run Models

OO WORKS
IRISH Ex GS&WR 101 Class 0-6-0 (Roundtop)
Black £290.00 or Grey £295.00
Comes with a selection of transfers to choose from.
Orders Now being taken for delivery: end of 2018/2019
prices do not include P&P
Limited Number of Drummond Ex LSWR, D-15s in
BR Black Lined N° 30465 in stock. £275.00 + P&P
"Brendon" Langham Road, Robertsbridge,
East Sussex TN32 5DT Tel: 01580 882 185
oo-works@btinternet.com OOWORKS.CO.UK

Dealer Directory

Buckinghamshire

P & D MARSH MODELS

PAINTED OO GAUGE	PAINTED N GAUGE
PDZ07 Postman, bike & postbox £8.75	PDX51 Cyclists (2) £7.60
PDZ12 Tractor 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 Firebricks on stand (2) £7.50	PDX70 Traffic lights double £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	PDX354e 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

DCC

Mark's Trains
A RENOWNED SPECIALIST DCC CONVERSION SERVICE
• All scales and budgets • Friendly, reliable service
• Quick turn-around • Servicing and repairs • Weathering
• Resprays • Kit building service • Zimo, ESU & Lenz dealer
www.marks-trains.co.uk
Wishing you a Merry Christmas
Contact Mark: 07515 436396 • Email: info@marks-trains.co.uk

Toy Fairs & Swapmeets

Derby (Trains Only) Swapmeet
Sat 1st December 2018
Admission: £1
Open 10:30am - 2:00pm
Free parking
Refreshments available
At: Our Lady of Lourdes Parish Church,
Church Centre, 36 Utttoxeter Road,
Mickleover, Derby. DE3 9GE

Tools

3CP - Track Curve Plotting Tool
Unique, precise,
easy to use, great
way to plot and
form realistic
track routes.
Website: www.3cp-tools.co.uk
Email: info@3cp-tools.co.uk
Tel: 01606 889610
Mob: 07743 426393

Dealer Directory

Bedfordshire

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

Fun Day Outs

OCTOBER 21ST
CARLISLE SHEPHERDS INN,
ROSEHILL CA1 2RW
Entry is £3 Adults,
Children & Seniors £2.
Early Entry £5.
Time 11am-3pm

Online Shops

Triang Collector
Dave ANGELL
07968 975867
Supplier & Collector of Vintage Trains
Primarily, but not exclusively, made by Triang.
www.daveangelltrains.co.uk
dave@daveangell.co.uk • 07968 975867

roxeymouldings.co.uk
Loco, Coach & Wagon Kits
Fittings & Accessories
Wheels / Motors & Gears
in OO and O
Tel: 01932 245430

Kits

BRANCH LINES
Dapol Kit Package Deals
Each package deal contains the Dapol plastic kit,
our etched n.silver chassis kit, our body detailing (for
interior) kit, Mashima motor, Romford gears, wheels
and all screws wire, etc. to complete.
Railbus p/deal with full interior £61.00
Drewry '04' diesel complete p/deal £76.50
BR mogul & tender complete p/deal £98.50
City of Truro complete p/deal £99.95
Most parts available separately
P.O BOX 4293, WESTBURY BA13 9AA
Tel/Fax: 01373 822231
E-mail: sales@branchlines.com
Cat's SSAE + £1 (in stamps) or £2.50 C. Card and
PLEASE STATE INTERESTS
P&P: UK £2.25 (value under £30), £3.50 (£30 to £50), £4.50 (over £50).
Non EU and BFPO less VAT. Exports £4.00 minimum.
VISA, MASTERCARD, SWITCH/MAESTRO, SOLO
EXPORTS WORLDWIDE
Hours: Mon-Thursday: 9.30-1, 2-6

Model Scenery Supplies

Scatters-Plants-Trees
and lots, lots more
Baseboards
Search.... Wild Buddleia
modelscenerysupplies.co.uk

Repairs

MOTOR REPAIRS
HORNBY, DUBLO, WRENN & TRIANG MOTORS
Repaired, rewound & remagnetised.
Also DCC chips installed and
old Triang wheels updated.
OO Locos serviced from £17.50 plus parts & post
SCALESPEED Est 1966
32 Goldfinch Lane, Lee on the Solent, Hants PO13 8LN
Tel 02392 554107 / 07774 253352
Web www.scalespeed.co.uk
Email scalespeed@btinternet.com

Cheshire

TRIDENT TRAINS
No10, The Craft Arcade, Dagfields Craft Centre,
Crewe Road, Walgherton, Nantwich,
Cheshire. CW5 7LG
www.tridenttrains.co.uk
HORNBY • BACHMANN • MELJAN • FARISH • DAPOL • PECO • LENZ
• TCS • GAUGEMASTER • METCALFE • RATO • MUCH MORE
01270 842400

Cumbria & Lake District

Jacksons Models and Railways
Hornby, Bachmann Graham Farish, Peco,
Dapol, Gaugemaster, Javis, Plastics,
Metals, Balsa, Corgi, Oxford Diecasts etc.
www.jacksonsmodels.co.uk
33 New Street, Wigan, Cumbria CA7 9AL
Telephone 01697 342557
TRUCKS CARS PLANT KITS PLANTS MILITARY RAILWAYS BUSES

- 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

Cumbria & Lake District

Limited edition OO wagon
North Lonsdale Tar Macadam,
Ulverston



£13.25 & P&P

Only available from
Crafty Hobbies

54 Cavendish Street, Barrow in Furness
Cumbria LA14 1PZ. Tel 01229 820759

Devon

THE MODEL SHOP

Specialist Model Railway Stockist
4 ST DAVID'S HILL, EXETER EX4 3RG
Just off the Old Iron Bridge

**NOW AGENTS FOR
NCE DCC CONTROLS**

www.trainsandtrack.co.uk

Tel: 01392 421906

Open: Monday-Saturday 9.30-5.00 pm

Hampshire

CHURCH STREET MODELS

A wide range of New OO & N gauge
Incl. Hornby, Bachmann, Dapol,
Farish, Heljan, Oxford & much more
Open Mon, Wed-Sat 09.30-17.30
10A Church Street, Basingstoke,
Hants RG21 7QE
01256 358060
www.churchstreetmodels.co.uk



Large stock of new & used railway items
Die-cast, Plastic Kits. Also RC Cars.

Open 7 days a week

Monday - Saturday 9:00 - 17:30
Sunday 10:00 - 14:00



A warm welcome awaits you
Email: modelshop117@gmail.com
65 Kingston Road, Portsmouth, PO2 7DX,
Tel No: 023 92738 111

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

Midlands



**Solihull Model
Railway
Exhibition**

Sponsored by Keith's Model Railways
Saturday 10th November 2018
10:00am to 4:30pm

Exhibition displayed across two halls with
working layouts, trade and society support.
Free parking and light refreshments available. &

Admission Prices:	Location:
Adult £3.00	St Mary's Church Hall, Hobbs Meadow, Solihull B92 8PN
Senior £2.50	Motorway M42, Junction 5, Railway Station, Olton, Airport: Birmingham International
Child £2.00	
Family £8.00	

Essex

CHELMSFORD
JOHN DUTFIELD
Stockists of: **HORNBY**
• Peco • Bachmann • Lenz • Graham Farish • Wills • Ratio
and much more including secondhand
WARDS YARD, 133 SPRINGFIELD PARK ROAD, CHELMSFORD, ESSEX, CM2 6EE
01245 494455 Open 9-5.30 Mon, Tues, Thurs, Fri, Sat. Closed Weds & Sun.
Email: heatherwilkinson@btconnect.com Web: johndutfieldmodelrailways.co.uk

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 SPECIALISTS"
We carry comprehensive stocks from the major manufacturers
Bachmann, Farish, Dapol, DJModels, Oxford Rail, Heljan and Peco
We also hold a large range of modelling accessories, vehicles and scenic materials
Wednesdays, Fridays & Saturdays 10.30am-4pm (Summer Saturdays 4.30pm) Sundays 11am-3pm
(See our Website/Facebook Page for other opening days)
Telephone: 01749 880651 - www.esmodels.co.uk - Email: mail@esmodels.co.uk

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

HORLEY BOOKSHOP
MODEL SCALE RAIL CENTRE
117 Victoria Road, Horley, Surrey, RH6 7AS
01293 783558 www.scalerail.co.uk
info@scalerail.co.uk scalerailhorley
• Specialists in N and OO gauge
• All major model railway brands stocked
• Rolling stock, track, scenery, kits, paint etc
• Large range of aviation models
• Baseboards built to your specifications
• Mail order a pleasure
• We also sell gifts, cards and art/craft items
Open Monday - Saturday 9.00am - 5.00pm
Pay & Display parking Victoria Road (3 mins)
We are just 10 minutes from Gatwick Airport

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

THE HOBBY GOBLIN
New Retail Outlet
STOKE-ON-TRENT
54 Hamill Road, Burslem, ST6 1AU
Hornby, Bachmann, Peco, Dapol, Gaugemaster,
Graham Farish, Metcalfe and much more!
Telephone: 01782 818433
E-mail: thehobbygoblin-uk@hotmail.com
www.thehobbygoblin.co.uk

TUTBURY MODELS

COLLECTABLES 01283 814777 MODELS
5 Mill Mews, Tutbury,
Nr. Burton-upon-Trent DE13 9LU.
Available Now:
Bass/Worthington vent van £13.50 + £3.00 P & P
(Can send up to 6)
Available Now:
6 Wheel Milk Tanker Nestle - OO Gauge
£17.50 + £2.00 P & P
Available SOON:
6 Wheel Milk Tanker Nestle - O Gauge
Orders invited for the O Gauge.

Surrey

COACH LIGHTING
DCC kit £4.10 DC kit £4.90 • 4 coach extension kit for above £5.20
Now available 'N' gauge
07801 796864
105 Charlack Way, Burham, Guildford, Surrey. GU1 1XY
coach-lighting.com

Addlestone Models
The Shop with the Stock
Surrey's leading Discount Model Centre
Open 7 Day's
Mon - Sat 9:30 - 5:30, Sun 11 - 2
130 Station Road, Addlestone.
Surrey. KT15 2BE
www.addlestone-models.co.uk
01932 845440

Tyne & Wear

Pooleys Puffers
Model Railway
Supplies, New &
Secondhand
Bought & Sold
Decast Models
Kits &
Accessories
Telephone: 0191 4910202 Mobile: 07976 519178
www.pooleyspuffers.com e-mail: pooleyspuffers@btopenworld.com
382a Jedburgh Court,
Team Valley Trading Estate,
Gateshead, Tyne and Wear NE11 0BQ
Mon-Sat 10am-4pm - Sunday 11am-4pm
When attending exhibitions shop will be
closed FRI/SAT
Please phone for opening times.
All major credit cards accepted.
Part exchange welcome
WE NOW STOCK BACHMANN
PECO HORNBY GAUGEMASTER
DAPOL JAVIS METCALFE
SUPERQUICK WILLS RATIO

**Don't miss the next
issue of
Model Rail
On sale 22 November**

ADVERTISERS' INDEX

A&H Models	146
AC Models	146
Albion Alloys	139
Ald Models	139
Alton Model Centre	143
Anoraks Anonymous	147
Anything Narrow Gauge	145
Aspire Gifts and Models	140
Blackwells of Hawkwell	141
Brimal Components	139
C&L Finescale	145
C&M Models	148
Coastal DCC	142
Crane Sheds & Summerhouses	144
DB Models	139
Dapol	28
Dawson Hall	137
DCCconcepts	109, 141, 149
DCC Supplies	147
Deluxe Materials	137
Digitrains	84
Durham Trains of Stanley	147
Eileen's Emporium	142
Ellis Clark Trains	134-135
Express Models	144
Finescalebrass	143
Fox Transfers	140
Frome Model Centre	142
Gaugemaster	126-127, 156
GFB Designs	145
Golden Valley Hobbies	116
Harburn Hobbies	142
Harder & Steenbeck	14
Hardy's Hobbies	141
Hatton's	43, 118-125
Heathcote Electronics	140
High Wycombe MRC	146
Hornby	2
Howes Models	143
Irish Railway Models	111
Irwell Press	145
Isinglass Models	148
Kernow Model Rail Centre	108
Langley Models	138
Manchester MRC	147
Marcway Pointwork	138
Mega Points Controllers	148
Metcalfe Models	128-129
Mike Pett's Supercast	140
Model Railway Solutions	144
Modelit	150
Modelrailwayscenery.com	150
Modula Layouts	144
Morley Controllers	140
Morris Models	150
Osborn's Models	147
Peco	115
Peter Osborne Backscenes	150
Peter's Spares	146
Rails of Sheffield	130-133
Ron Lines	150
Scalescenery.com	148
Spalding MRC	138
Special Auction Services	112
Ten Commandments	144
The Airbrush Company	117
The Hereford Model Centre	110
The Hobby Shop	150
The Loco Shed	138
Tower Models	114
Townstreet	148
Trains4U	150
Train-Tech	137
Train Tees	150
Video 125	136
Warley MRC Exhibitions	113
Warners Group Publications	149
Warwick & Warwick	155
York Modelmaking	140
Yoochoos	142

CLASSIFIED INDEX

Classified advertisers on pages 151-152

Addlestone Model Centre	Model Scenery Supplies
AGR Model Railway Store	Monk Bar Model Shop
Branchlines	Nick Tozer Railway Books
Church Street Models	OO Works
Coach Lighting	Orwell Model Railways
Connoisseur Models	P&D Marsh
Crafty Hobbies	Pooley's Puffers
Craig Scarisbrick	Redcar Models & Hobbies
Dave Angell Trains	Roxey Mouldings
Derek's Transport Books	Scale Rail Model Centre
East Somerset Models	Scalespeed
Golden Arrow Productions	Solihull Model Railway Circle
Hobby Rail	The Hobby Goblin
Howard Scenic Supplies	The Model Shop (Exeter)
Jackson's Models	The Model Shop (Portsmouth)
Jim Corr	The Sports and Model Shop
John Duffield For Model Railways	The Tutbury Jinny
Kent Garden Railways	Trident Trains
Mark's Trains	Upstairs Downstairs
Mickleover Model	
Model Layout Services	

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: Class 304 EMU

Gauge: '00'

Proposed by: Trevor Moss, by e-mail

What is it?

The electrification of the West Coast Main Line required not only a new generation of electric locomotives for express and long-distance freight work but also a new generation of Electric Multiple Units (EMU) to take on suburban passenger duties. Wolverton Works built 45 four-car 'AM4' sets, with the first being delivered in 1960.

They might have looked like typical Mk 1-based EMUs from the side - small windows flanking doors - but they had a stylish new nose, rather than the flat fronts of, say, their Southern Region counterparts. The nose was a result of the BR styling panel and it found its way onto other EMUs.

Becoming Class 304 on TOPS, these EMUs were primarily used around Greater Manchester, Liverpool and Crewe, and on Birmingham-Rugby-Northampton duties. They occasionally visited London Euston and ventured as far north as Preston, but they did get used on the Eastern Region's Liverpool Street-Shenfield route while its regular units were being rebuilt.

Members of the class which, in their later years, became known as 'Dinosaurs', were not withdrawn until 1996.



JOHN E. HENDERSON/COLOUR RAIL

What would make it viable?

The '304' shared the same underframe and a good proportion of body panels with the Class 305 and 308 AC EMUs and the Class 504 DC EMUs, thus spawning a new family of EMUs. They were unusual in that they received green with yellow lining livery. The '304s' also received blue and blue/grey, and even Regional Railways liveries.

Can I see a real one?

A tragic tale: 304021 was preserved in 1998 but, having suffered from vandalism and a lack of support, it was scrapped in 2000.

Have your say

Do you agree with Trevor's argument? Go to www.facebook.com/modelrail or www.twitter.com/modelrailuk and post your verdict.



COLOUR RAIL

How to join in

Want to present your own case? Send us 400 words explaining your choice to modelrail@bauermedia.co.uk, putting 'Present Your Case' in the subject line.

Backstory

Some locomotives have rather complicated histories, with lots of variants, different numbers and suchlike to turn a comparatively simple story into a complex one. Left confused by the tale of the

'61XX', the subject of our star review (p86) this issue? Then be baffled no more, as we delve into the world of the GWR 'Large Prairie' to set the record straight.

'31XX/51XX'

The first 'Large Prairie' was No. 99, built in 1903. It was followed by Nos. 3111-49, built in three batches between 1905 and 1906. They featured numerous improvements - a 200lb/sq in boiler along with increased coal and water capacity. No. 99 became No. 3100 and was

finally brought into line with the rest of the class in 1929, when it was renumbered again, this time becoming No. 5100. The whole class was renumbered too, becoming 5111-5149.

The last '31XX/51XX', No. 5148, was withdrawn in 1959.



NRM

'3150'

The next 'Large Prairie' in the sequence, No. 3150, was built with a Standard No. 4 boiler - the same as the one fitted to Churchward 2-8-0Ts and 'City' 4-4-0s - in 1906. In all other respects, it was identical to the preceding locomotives, even retaining the 5ft 8in diameter driving wheels. A further 40 (Nos. 3151-3190)

were built in 1907/08, with larger cylinders (18½in by 30in). The class was used for banking, which required bracing struts from bufferbeam to smokebox to help beef up the front end. This feature appeared on all GWR locomotives with leading pony trucks.

The last '3150' withdrawn was No. 3170 in 1958.

M. DART/COLOUR RAIL



'5101'

Collett introduced an improved '31XX/51XX' in 1929. It was pretty much identical to the Churchward design but with modern fittings, outside steampipes and curved frames. This became the standard 'Large Prairie' and building continued until 1949, with BR completing the final examples. The first ten filled the

gap in the '31XX/51XX' numbering sequence (Nos. 5101-5110), with subsequent locomotives numbered as Nos. 5150-5199, and 4100-4179.

The final two, Nos. 4113 and 4161, were withdrawn in November 1965, although No. 4176 lasted as a stationary boiler until 1967. Eight survive in preservation.



R.J. BLENKINSOP

R.J. MAXWELL/COLOUR RAIL



'61XX'

The subject of this issue's main review. The GWR built 70 in 1931-1935 in order to accelerate timings on suburban and Thames Valley services. They were visually identical to the '5101' but had a boiler pressed to 225lb/sq in. The last 15 were withdrawn in December 1965 and one, No. 6106, survives.



B. MOONE

'81XX'

Expert at locomotive rebuilding, the GWR took 'Large Prairie' No. 5100 (formerly No. 3100 and No. 99) in 1938 and rebuilt it with a 225lb/sq in boiler and 5ft 3in diameter driving wheels. It gained its fourth number, 8100. Nine more - '31XX/51XX' (Nos. 5123, 5118, 5145, 5124, 5126, 5120, 5116, 5133, 5115) - were rebuilt in 1938/39 as Nos. 8101-8109.

The Second World War curtailed the rebuilding programme. No. 8109 was not withdrawn until June 1965.



DONALD WILSON/COLOUR RAIL

'31XX'

This is where the story gets confusing, for the '31XX' designation was dusted off in 1938 for '3150s' rebuilt with 5ft 3in diameter wheels. They retained the Standard No. 4 boiler but received new front ends with outside steampipes and curved frames. The rebuilding programme was curtailed by the Second World War. Only five were converted (Nos. 3173, 3156, 3181, 3155, 3179) to become Nos. 3100-3104. The last was withdrawn in 1960.

Selling your model railway

Warwick and Warwick have an expanding requirement for early to modern collections of British and Foreign trains and train sets from large accumulations to items of individual value. Our customer base is increasing dramatically and we need an ever larger supply of quality material to keep pace with demand. The market has never been stronger and if you are considering the sale of your collection, now is the time to act.



FREE VALUATIONS - We will provide a free, professional valuation of your collection, without obligation on your part to proceed. Either we will make you a fair, binding private treaty offer, or we will recommend inclusion of your property in our next public auction.

FREE TRANSPORTATION - We can arrange insured transportation of your collection to our Warwick offices completely free of charge. If you decline our offer, we ask you to cover the return carriage costs only.

FREE VISITS - Visits by our valuers are possible anywhere in the country or abroad, in order to assess more valuable collections. Please phone for details.

ADVISORY DAY TOWNS - We are staging a series of advisory days and will be visiting the following towns within the next few weeks:

Bury St. Edmunds, Guisborough, Huddersfield, Tamworth, Weymouth, Yeovil, Stevenage, Redditch, Ross on Wye, Sevenoaks, Harlow, Tavistock, Tiverton, Bridgnorth, Spalding, Wakefield, Rotherham and Newark.

Please visit our website or telephone for further details.

EXCELLENT PRICES - Because of the strength of our customer base we are in a position to offer prices that we feel sure will exceed your expectations.

ACT NOW - Telephone or email Richard Beale today with details of your property



Get the experts on your side!



Warwick & Warwick

AUCTIONEERS AND VALUERS

www.warwickandwarwick.com

Warwick & Warwick Ltd., Chalon House, Scar Bank,
Millers Road, Warwick CV34 5DB England

Tel: (01926) 499031 • Fax: (01926) 491906

Email: richard.beale@warwickandwarwick.com



GAUGEMASTER Spotlight Analogue Control



Lifetime Guarantee & Controller Types

Choose your controller for life with the Gaugemaster Lifetime Guarantee...

We have been producing Model Railway Controllers for over forty years. Our analogue controllers have stood the test of time, and so has our lifetime guarantee:

"We undertake to replace, free of charge, any parts found defective within the lifetime of the unit providing that the item has not been tampered with."

What's the difference between the controller types?

Our **Mains Powered Cased Controllers** come complete with transformer, and can just be plugged in, connected to the track, and away you go. **Panel Mounted Controllers** require a separate transformer, and also need to be mounted onto a control panel to be used effectively.

We also produce various controllers with **Feedback** and **Simulation**, two effects controlled by the controller itself. **Feedback** senses the load on the circuit and helps maintain the locomotive at a steady speed up and down gradients. **Feedback** controllers are not suitable for use with locomotives with coreless motors. **Simulation** (also known as Inertia) allows a train to accelerate, coast, and be braked to a standstill, by use of a regulator and a brake.

Mains Powered Cased Controllers

GMC-COMBI Single Track Controller/Transformer Most Suited for HO/OO/N Scale Layouts



Fantastic for small layouts or beginners upgrading a starter set, the Combi has both a 12V DC output to run one track, and a 16V AC output for accessories.

BEST FOR
Beginners

GMC-D Twin Track Controller Most Suited to HO/OO/N Scale Layouts



Our best selling controller. Runs a two track railway with minimum of fuss. The D Controller has two 12V DC track outputs, as well as a 16V AC output for accessories.

BEST FOR
Twin Tracks

GMC-Q Four Track Controller Most Suited to OO/HO/N Scale Layouts



The best selling four track mains powered controller available today. It offers impressive value for money with its four 12V DC track outputs, and two each of 16V AC and 12V DC outputs for accessories.

BEST FOR
Four Tracks

Panel Mounted Controllers

GMC-100 Single Track Panel Controller Most Suited to OO/HO/N/Z Scale Layouts



Some experienced modellers may wish to incorporate their controller into a panel they have made to control their layout. The Model 100 Controller has a single 12V DC output.

BEST FOR
Control Panels

GMC-U Single Track Controller with Simulation Most Suited to OO/HO/N/Z Scale Layouts



With the brake knob controlling the 12V DC track output, this controller allows you greater realism when running locomotives.

BEST FOR
Realistic Running

Hand Held Controllers

GMC-W Single Track Walkabout Single Track Controller Most Suited to OO/HO/N/Z Scale Layouts



Fitted with 1.5m of cable, this controller allows you the freedom to move around your layout while still controlling your layout. It has a single 12V DC track output.

BEST FOR
Flexibility

Did you know...

If you don't have a handy accessory output from a controller, the **GMC-WM1** Wall Mounted Transformer can be used on its own to power accessories, such as point motors and lights from the 16V output. Just plug it in and connect it up!



GMC-WM1 Wall Mounted Transformer 16V or 12V DC 1.1a

Full details of our Analogue Controller range can be found in the Gaugemaster Full Catalogue **AVAILABLE SUMMER 2018**. It also contains details of our Digital Controllers, Scenics, Point Control, Electrics and much more in the Gaugemaster range.

It also contains selected items from many of the other brands that we stock.

GM353 Gaugemaster Full Catalogue **£3.95**

PRICES

Cased Controllers

GMC-COMBI	Single Track Controller/Transformer	£44.95
GMC-100M	Single Track Controller	£94.95
GMC-100MO	Single Track Controller for O Scale	£94.95
GMC-10LGB	Single Track Controller for G Scale	£109.95
GMC-10LGBSF	Single Track Controller for G Scale with Fan	£189.95
GMC-P	Single Track Controller with Simulation	£104.95
GMC-D	Twin Track Controller	£104.95
GMC-DS	Twin Track Controller with Simulation	£189.95
GMC-TS	Three Track Controller with Simulation	£189.95
GMC-Q	Four Track Controller	£199.95

Panel Mounted Controllers (Orange text shows transformer required)

GMC-100	Single Track Controller (GMC-T1/M1)	£39.95
GMC-100.O	Single Track Controller for O Scale (GMC-T2/M2)	£49.95
GMC-U	Single Track Controller with Simulation (GMC-T1/M1/WM1)	£49.95
GMC-UF	Single Track Controller with Feedback (GMC-T1/M1/WM1)	£44.95
GMC-UO	Single Track Controller with Simulation for O (GMC-T2/M2)	£64.95
GMC-UD	Twin Track Controller (GMC-T1/M1/WM1)	£59.95
GMC-UDF	Twin Track Controller with Feedback (GMC-T1/M1/WM1)	£64.95
GMC-UDS	Twin Track Controller with Simulation (GMC-T1/M1/WM1)	£79.95
GMC-UTS	Three Track Controller with Simulation (GMC-T1/M1/WM1)	£89.95
GMC-UQ	Four Track Controller (GMC-T1/M1/WM1)	£94.95

Walkabout and Hand Held Controllers

(All GMC-T1/M1/WM1)

GMC-W	Single Track Walkabout Controller	£39.95
GMC-WS	Single Track Walkabout Controller with Simulation	£59.95
GMC-HH	Single Track Handheld Controller with Feedback	£41.95

Transformers

GMC-M1	Cased Transformer 16V AC	£52.95
GMC-M2	Cased Transformer 18V AC 2.5V	£57.95
GMC-M3	Cased Transformer 24V AC	£57.95
GMC-M4	Cased Transformer 12V AC	£57.95
GMC-T1	Open Transformer 2x 16V AC 1a	£29.95
GMC-T2	Open Transformer 18V AC 2.5a	£29.95
GMC-T3	Open Transformer 24V AC	£29.95
GMC-T4	Open Transformer 2x 12V AC 1a	£29.95
GMC-WM1	Wall Mounted Transformer 16V or 12V DC 1.1a	£21.95
GMC-WM2	Wall Mounted Transformer 9V DC (1600mA) 1.6A	£16.95
GMC-WM3	Wall Mounted Transformer Kato Unitrack UK Power Supply	£16.95
GMC-WM4	Wall Mounted Transformer 12V DC Smoothed for Lighting	£16.95
GMTFK1	Transformer Fitting Kit for T1/T3/T4	£15.95
GMTFK2	Transformer Fitting Kit for T2	£15.95

GAUGEMASTER products are available from your local Model Shop or, in case of difficulty, direct from ourselves.

GAUGEMASTER Controls Ltd, Gaugemaster House, Ford Road, Arundel, West Sussex, BN18 0BN, United Kingdom
tel - 01903 884488 Fax - 01903 884377 email - sales@gaugemaster.co.uk web - www.gaugemaster.com