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4 LNER Loco & Coach	£6.50
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5 LNER (& SR) Loco Lining	£6.50
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7 GWR Loco & Coach	£6.50
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8 GWR Loco & Coach Lining	£6.50
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9 SR Loco & Coach (Maunsell)	£6.50
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10 SR Loco & Coach (Bulleid)	£6.50
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10A SR Bulleid Loco Stripes	£5.90
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11 GWR Wagon	N.A
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12 LNER Wagon	£5.90
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13 SR Wagon	£5.90
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14 BR Loco & Coach (Steam)	£6.50
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15 BR Loco & Coach (Modern)	N.A
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16 LNWR Loco & Coach+WCJS	£8.20
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17 LMS Pre Group Wagons (Not LNWR)	£6.50
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LP5A - As LP5 Detail on Screw	£9.90
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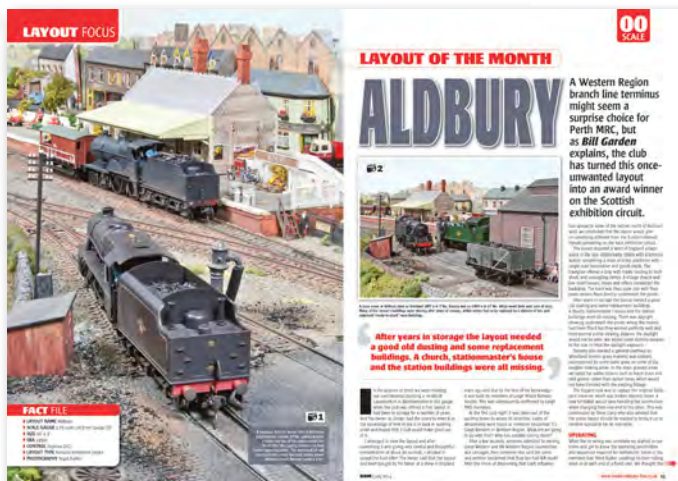
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GWR (WR) Cabside & S'Box	£1.5
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14

It's always good to see a well-loved layout being passed on and refreshed for a new audience, as is the case with 'Aldbury' - a WR layout with a new home in Scotland.



58

With the cost of ready-to-run equipment unavoidably rising, perhaps now is the time to re-evaluate some older stock, none more so than those old Lima models which are definitely worth a second look.



24

Now and again, it's nice to have a go at building something a bit different, whether it be the type or the material the kit is made from. Here are two very different cattle carriers.



32

With only just enough room to display diesels on his steam shed 7mm layout, Mike Bisset did what BR did and built a new depot for the newer technology.

74

14 ALDBURY

How a Western Region OO gauge layout found a new home in the safe custody of Perth MRC.

24 BUILDING CATTLE WAGONS

Phil Parker constructs two cattle wagons from a pair of very different kits.

32 LADESIDE DIESEL DEPOT

Following the success of St Marnock Engine Shed, Mike Bisset and John Donaldson build a diesel depot extension that can be exhibited in its own right.

40 MODELLING INSPIRATION

With the anniversary of the Normandy landings looming, we make a brief return to Chris Mead's Overlord - a key exhibit at this year's 'Ally Pally' show.

42 WEATHERING DIESELS

Following his article on perfect painting, Nigel Burkin now turns to weathering a pair of Irish diesels.

48 BEDLAM HEATH

Seasoned exhibitor George Woodcock's Southern Region third rail OO gauge layout.

56 MAKING USE OF BK COUPLINGS

In the third of his series on 4mm scale coupling systems, Phil Parker tries the BK type by PH Designs.

58 IMPROVE AN OLD LIMA VAN

Don't entirely disregard old Lima models - Ben Jones shows how you can improve and detail without breaking the bank.

60 YOUR BRM: Q&A

Have your questions answered by our team of modelling experts.

64 YOUR BRM: READERS' LAYOUTS

Photographs of your layouts or projects to share with other readers. Please do send in more!

66 YOUR BRM: READERS' LETTERS

If you want to get something off your chest - let the readership know!

68 WHAT'S NEW

Price increases from Bachmann, an update from Dapol and an SPA wagon from FTG Models.

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Your opportunity to see what fellow modellers have been up to. Why not send your own layout or project photographs in?

YOUR BRM READERS' LAYOUTS

Here's your chance to have your layout or latest project highlighted in the pages of **BRM** for all our readers to enjoy. Send your photos and text to the address below. We look forward to receiving them!

LEAMSIDE

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PRACTICAL BRM HOW TO WEATHER DIRTY DIESELS

Following on from last month's painting tips, **Nigel Burkin** shows how to give a brace of Irish 071 Class diesel locomotives an authentic weathered finish.

Whethering can be a very subjective process, but with a strongly coloured locomotive it can help to tone it down and fit it in with its surroundings as with these Irish 071 Class diesels.

42

Weathering can be a very subjective process, but with a strongly coloured locomotive it can help to tone it down and fit it in with its surroundings as with these Irish 071 Class diesels.

LAYOUT FOCUS BEDLAM HEATH

Somewhere in the 'Garden of England' lies a forgotten corner of the Southern Region third-rail empire, modelled by exhibition regular **George Woodcock**.

FACT FILE

- LAYOUT NAME: Bedlam Heath
- LAYOUT SCALE: 1:76 (OO Gauge)
- LAYOUT SIZE: 10ft x 10ft
- LAYOUT TYPE: Single track
- LAYOUT FEATURES: Buildings, trees, and a bridge

Southern Region third rail modellers have been treated very well of late by the major manufacturers and here **George Woodcock** presents his layout based roughly on Lenham.

48

PRODUCT REVIEW LIONHEART GWR 'SMALL PRAIRIE'

Lionheart Trains' second ready-to-run O gauge steam locomotive is another branch line classic from the Great Western Railway.

FACT FILE

- Locomotive Name: GWR 'Small Prairie'
- Gauge: O Gauge
- Price: £149.99
- Features: Ready-to-run, includes coal, water, and sand.

It's hard to find fault with such a superb product which is clearly the result of extensive research...

82

A worthy follow-up to its superb 64XX Pannier tank, **Richard Webster** from Lionheart Trains has kindly sent in his new **Prairie** for us to play with.

74 REVIEW: BACHMANN 101
Another versatile new diesel multiple unit which had widespread operation over several decades is investigated by **Ben Jones**.

78 REVIEWS
Bachmann's new LMR 'Porthole' stock and C Class, the new Doncaster-built Class 56 from Dapol and the latest Class 37 from Graham Farish are examined by **Ben Jones**.

82 REVIEW: LIONHEART PANNIER
Ben Jones takes a look at the second GWR locomotive released by Lionheart Trains in O gauge.

THE NEW DONCASTER-BUILT CLASS 56 FROM DAPOL See page 78

84 TRIED & TESTED: DCC CONCEPTS BUFFERSTOP
Another useful product from Australia is tested out by **Howard Smith**. Time to get creative!

86 TRIED & TESTED: DELUXE SMART PLASTIC
Richard Wilson and **Shelagh Morrall** examine some of the possibilities with this fascinating new product.

88 DIARY DATES
What's happening in the world of model railways across the UK this month.

138 NEXT MONTH
Here is what you will find in next month's action-packed issue!

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BRM

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PAGE 138
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WELCOME



At the end of April Bachmann took the unusual step of gathering the model railway press together to explain the commercial pressures it currently faces. This pro-active stance has earned it plaudits from across the hobby; no-one, Bachmann included, wants price increases, but if they're clearly and honestly explained it can mean the difference between a relatively positive reaction and the open hostility we've seen directed elsewhere recently.

As you'll see in Andy York's report on page 68, Bachmann is under pressure from all sides - increasing labour and production costs in China, higher transport charges, shrinking margins, a reduction in disposable income and a UK market that has grown used to ever-improving models under what now appears to have been an untenable pricing structure.

Eventually something has to give, and personally I'd rather pay a little extra than see any of our manufacturers disappear or people lose their jobs. If that price increase also allows them to maintain the levels of quality and detail, and pay a decent wage to Chinese workers, even better.

Interestingly, the squeeze on manufacturers has encouraged some creative thinking about what features their models actually need to include. I don't think many of us would welcome compromises in mechanical quality, looks or fine detail to save money, but we might settle for fewer gimmicks or detail variations. Those wanting alternative versions could support after-market suppliers by buying conversion and detailing kits. That alone would be a positive move back towards hands-on modelling.

Some features are nice in theory, but they're expensive to design and assemble. On some models, particularly tank locomotives with enclosed cabs, the detail is all but invisible, so why go to the trouble?

In any situation like this we need to look for positives. If the challenges faced by Bachmann, Hornby *et al* force them to re-focus their efforts on what modellers really need and to be more creative then perhaps we'll come out of this difficult period with a healthier hobby. Only time will tell.

It's an interesting time, but we shouldn't predict doom for the hobby just yet. Let me know what you think of the situation, what features you'd discontinue and what new possibilities manufacturers should be considering. I look forward to hearing from you.

Finally, due to circumstances beyond our control we are unable to publish the article on 'Charwelton'. Apologies if you were looking forward to it.

Ben

BRM

British Railway Modelling

is published by Warners Group Publications plc
Tel: 01778 392455 Fax: 01778 425437

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NEWSTRADE DISTRIBUTION

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ISSN 0968-0764

SUBSCRIPTIONS & BACK ISSUES

01778 392002

PRINTING

Warners (Midlands) plc, The Maltings,
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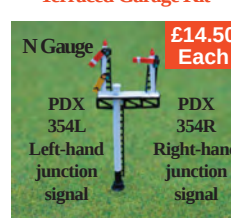
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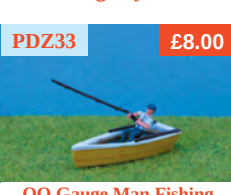
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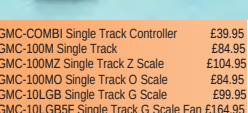
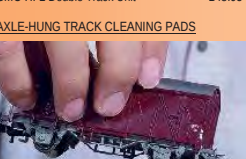
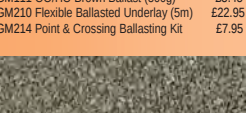
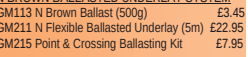
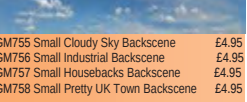
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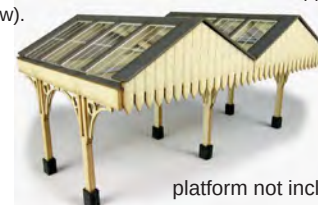


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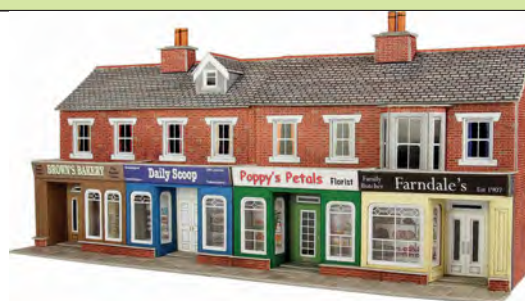
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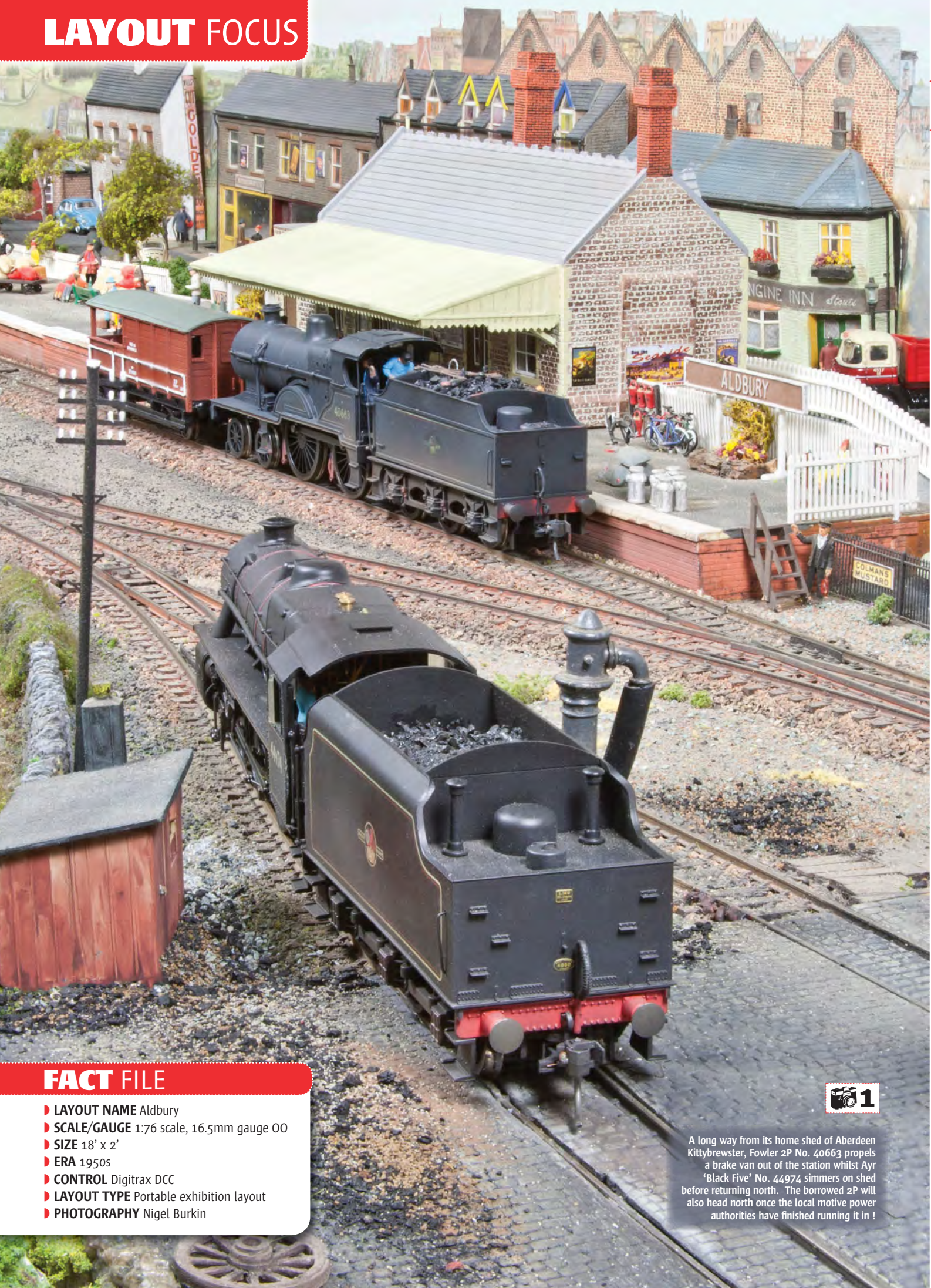
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FACT FILE

- **LAYOUT NAME** Aldbury
- **SCALE/GAUGE** 1:76 scale, 16.5mm gauge OO
- **SIZE** 18' x 2'
- **ERA** 1950s
- **CONTROL** Digitrax DCC
- **LAYOUT TYPE** Portable exhibition layout
- **PHOTOGRAPHY** Nigel Burkin



A long way from its home shed of Aberdeen Kittybrewster, Fowler 2P No. 40663 propels a brake van out of the station whilst Ayr 'Black Five' No. 44974 simmers on shed before returning north. The borrowed 2P will also head north once the local motive power authorities have finished running it in!

LAYOUT OF THE MONTH

ALDBURY

A Western Region branch line terminus might seem a surprise choice for Perth MRC, but as **Bill Garden** explains, the club has turned this once-unwanted layout into an award winner on the Scottish exhibition circuit.



A busy scene at Aldbury shed as Standard 3MT 2-6-T No. 82019 and ex-GWR 0-6-2T No. 6622 await their next turn of duty. Many of the layout's buildings were missing after years of storage, whilst others had to be replaced by a mixture of kits and improved 'ready-to-plant' resin buildings.

After years in storage the layout needed a good old dusting and some replacement buildings. A church, stationmaster's house and the station buildings were all missing.

In the autumn of 2010 we were minding our own business building a model of Laurencekirk in Aberdeenshire in OO gauge, when the club was offered a free layout. It had been in storage for a number of years and the owner no longer had the space to erect it or the knowledge of how to put it back in working order and hoped that a club could make good use of it.

I arranged to view the layout and after examining it and giving very careful and thoughtful consideration of about 30 seconds, I decided to accept the kind offer! The owner said that the layout had been bought by his father at a show in England

years ago and that to the best of his knowledge it was built by members of Leigh Model Railway Society. This was subsequently confirmed by Leigh MRS members.

At the first club night it was taken out of the packing boxes to assess its potential. Gasps of amazement were heard as someone exclaimed 'It's Great Western or Western Region. What are we going to do with that? Who has suitable rolling stock?'

After a few seconds, someone admitted to owning Great Western and BR Western Region locomotives and carriages, then someone else said the same, and another exclaimed that they too had WR stock! After the shock of discovering that GWR influence

had spread to some of the natives north of Hadrian's Wall, we concluded that the layout would give us something different from the Scottish-themed layouts prevailing on the local exhibition circuit.

The layout depicted a West of England village scene in the late-1950s/early-1960s with a terminus station comprising a main and bay platforms with single road locomotive and goods sheds. The trackplan offered a loop with tracks leading to both sheds and uncoupling ramps. A village church and low relief houses, shops and offices completed the backdrop. The track was Peco code 100 with Peco point motors fixed directly underneath the points.

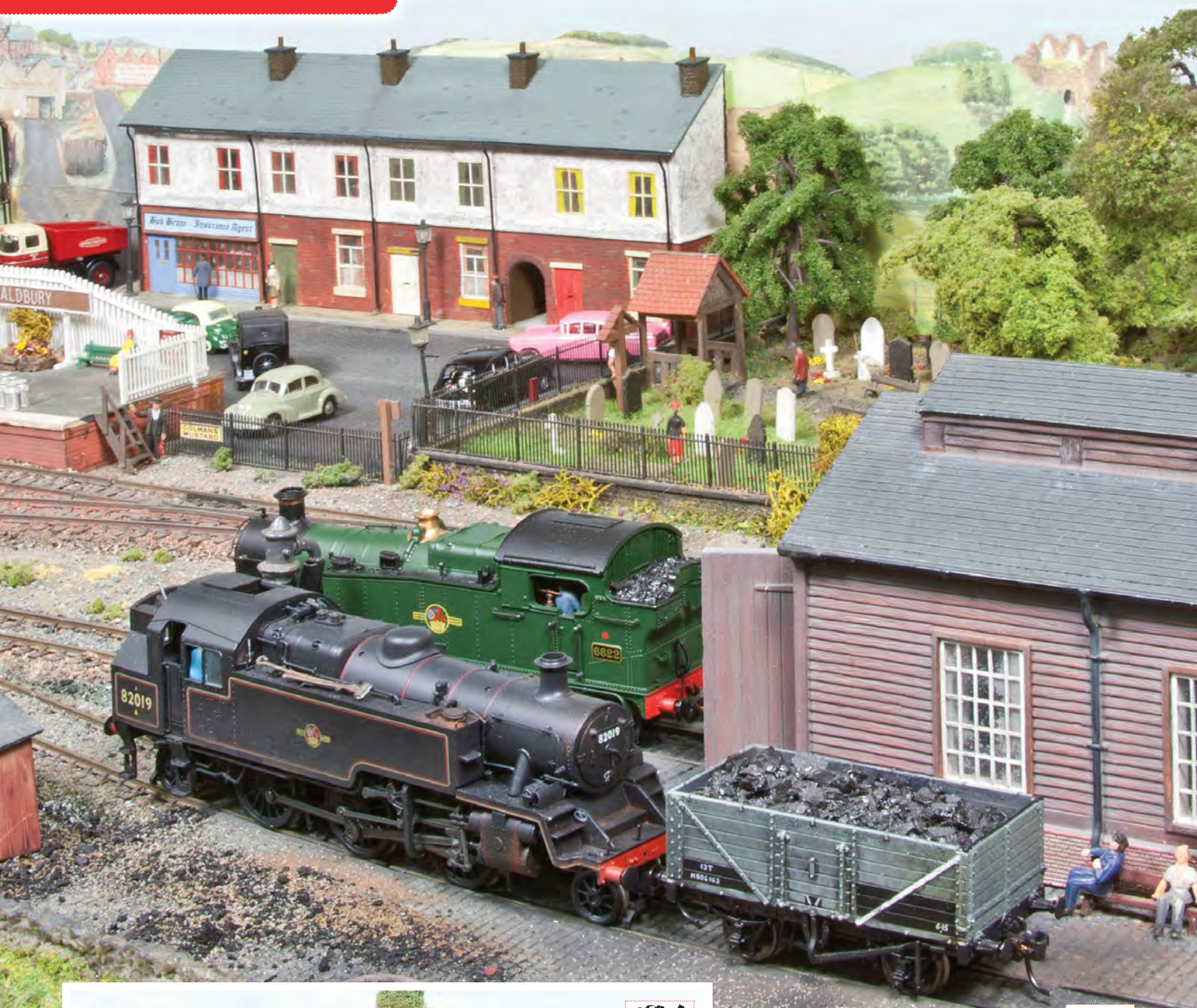
After years in storage the layout needed a good old dusting and some replacement buildings. A church, stationmaster's house and the station buildings were all missing. There was daylight showing underneath the points where the motors had been fitted but they worked perfectly well and from normal public viewing distance the daylight would not be seen. We added some dummy sleepers to the side to limit the daylight exposure.

Scenery also needed a general overhaul so Woodland Scenics grass material was applied, accompanied by some static grass on some of the rougher looking areas. In the main grassed areas we opted for subtle colours such as burnt grass and mid-greens rather than darker tones which would not have blended with the existing foliage.

The biggest task was to replace the original fiddle yard traverser which was broken beyond repair. A new turntable would save handling the locomotives when changing from one end to the other. This was constructed by Steve Caird who also advised that the entire layout should be rewired to bring it up to modern standards for DC operation.

OPERATING

When the re-wiring was complete we started to run trains and get to know the operating possibilities and sequences required for exhibitions. Some of the members had fitted Kadее couplings to their rolling stock or at each end of a fixed rake. We thought that



4



Above: A Class 108 DMU emerges from Aldbury Tunnel and passes the goods shed before entering the station.

Right: A view of the station building with a Gloucester RCW parcels railcar just nosing into view with the daily deliveries for the town.

3

Cars jostle for space at the station turning circle, possibly due to the wedding, whilst locomotives and workmen enjoy a well-deserved rest in the afternoon sun at the locomotive shed.

5



KEY DETAILS WORKING SIGNALS

6



As the signals are operational but not interlocked with the points, they can be overlooked when moving trains. To combat this lack of attention a polite instruction is affixed to the control area reminding the operator that many hours of difficult work was required to build and motorise the signals so kindly utilise them! The actual wording is of a more industrial nature! A Dapol NBL Type 2 pulls into Aldbury with some containers which will be transferred to road transport for distribution to local industries.

'hands free' operation would be good, so the existing tension-lock uncoupling ramps were replaced with Kadee style magnets.

Working signals were installed too, but most were damaged and so another member, Reg Nathan, who spoke of MERG servos and computer wizardry said that he could get them working.

After the revamp had taken place, an invite came from Moray MRG to attend its annual show in Elgin in March 2011. It was decided that 'Aldbury' should make its Scottish debut there, albeit without working signals. Holding the fort was a small selection of Western Region locomotives suitable for a branch line but we also employed some London Midland Region and Scottish Region motive power conveniently reallocated for the weekend!

The layout worked well and much to our surprise, the public and fellow exhibitors admired it and we found ourselves travelling back to Perth with a 'Best in Show' trophy. Not bad for a free second-hand layout built in the last century!

After the success of its first outing, the layout was taken to a number of other shows in Scotland that year and those who ran it said that the layout was

fun to operate. They also received many favourable comments about the way in which a compact layout had many different cameo scenes and how it was operated.

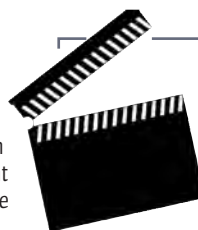
However, we were already thinking about how we could improve it further. Work still needed to be completed on the signals and it was decided to replace most of them with new Ratio kits.

At the same time the decision was made to convert the layout to Digital Command Control (DCC) to allow the use of an ever-growing selection of sound fitted locomotives. An upgrade of the point operation to DCC with route setting would eliminate the need for the separate control panel.

A majority of our DCC friendly members use the Digitrax system so it was an obvious choice.

DCC point modules were installed and programmed for route setting and at the same time servos and the new lower quadrant signals were brought into use. A servo was also installed in the locomotive shed so that the doors would open and close automatically. This amuses the public and ourselves when the branch locomotive is put to rest at the end of its shift.

The layout requires two operators, one on the scenic area to control incoming and outgoing trains and one on the off-scene turntable which is used to select the next train.



SEE IT IN ACTION

'Aldbury's' next outing is at Greenock Model Railway Exhibition on **October 18/19, 2014**

Or watch a video clip of it here:
www.brmm.ag/aldbury



LAYOUT FOCUS







Ivatt 4MT No.43008 draws away with the morning train, consisting of Mk 1 non-gangwayed stock, while the shunter climbs back on to the English Electric 350hp diesel shunter after uncoupling the 16 ton coal wagons in the yard. The white circle on the nearest signal arm above the locomotive is a GWR style signal controlling outlets from good loops and sidings to running lines.

BUSY BRANCH LINE

Traditional branch line operations would normally see one passenger train every couple of hours or so and a goods train maybe once or twice a day, but that would not work at exhibitions. In the name of entertainment we try to keep things on the move and change the locomotives on a regular basis. Our little branch enjoys a busy commuter style service which would be the envy of most small towns.

Passenger trains usually consist of two non-gangwayed Mk 1 coaches and a steam locomotive although Bachmann DMUs and Heljan diesel railbuses are not unusual either. The locomotive fleet varies but consists mainly of Bachmann and Hornby RTR models modified for DCC operation, weathered and fitted with Kadee couplings. A few diesels are creeping in too, with the essential EE 350hp 0-6-0DE shunter being joined recently by a Dapol NBL Type 2 B-B.

Goods traffic consists of coal for the local merchant plus vans and the occasional open wagon with various types of merchandise for distribution from the goods shed.

We continue to apply our modellers' license to the locomotive fleet suitable for a Western Region branch as the DCC-fitted selection currently available is mostly of LMS or BR Standard origin. Purists may find them unsuitable for WR branch line work but the public like it and that's what matters at an exhibition. Western Region locomotives are in the process of being converted to DCC and most will also be fitted with sound before the layout is out again.

Adding DCC sound to locomotives has made a big change to the atmosphere at exhibitions. We've found that the public likes to listen to as well as see the trains in motion. We use a mix of Loksound and Zimo decoders with sound from Howes,

Digitrains and South West Digital.

Upgrading the layout has given us a lot of pleasure and, importantly, it has given many club members an introduction to DCC operation, route setting, sound, Kadee couplings, static grass machines and more.

Grateful thanks to the PMRC members already mentioned and to Bob Bruce for his contribution and most importantly for his seemingly endless supply of sound fitted locomotives!

Full credit must be given to the original builder of the layout as I'm sure they would never have expected it to still be on the UK exhibition circuit and to be shown as far north as Elgin.

We like to think that we have regenerated this little slice of model England with some Scottish care and affection and hope it will give our public and club members alike many more years of entertainment. **BRM**



8



9

RIGHT: The signalman is very quick in returning the signal to danger as the Class 108 leaves the station.

BOTTOM: Ex-LMS 4F No.44319 waits to uncouple before running round and reversing back onto the train for the return trip.

PERTH & DISTRICT MODEL RAILWAY CLUB

Established around 1960, we are a thriving club involved in promoting the hobby in the area. We have recently moved into new premises north of the city and we are currently improving the facility for everyday railway modelling and layout storage.

The move allows us to use the facility seven days a week as we now have unlimited access and the additional space to build layouts as well as having a number up and running at the same time.

We have numerous layouts ranging from American and German N gauge, British and Irish OO gauge,

modern and heritage and a recently donated American On3 scale layout, so there's something for almost everyone.

On the last weekend in June each year we hold our annual exhibition at The Dewars Centre in Perth attracting exhibitors, traders and visitors from all over the UK. In two halls, the event boasts around 45 layouts out of around 100 stands and also is the only model railway exhibition to take place on an ice rink, we think! This year's show takes place on 28/29th June – see www.perthmrc.com for more information.

Adding DCC sound to locomotives has made a big change to the atmosphere at exhibitions. We've found that the public likes to listen to as well as see the trains in motion.



10

LAYOUT OF THE MONTH ALDBURY



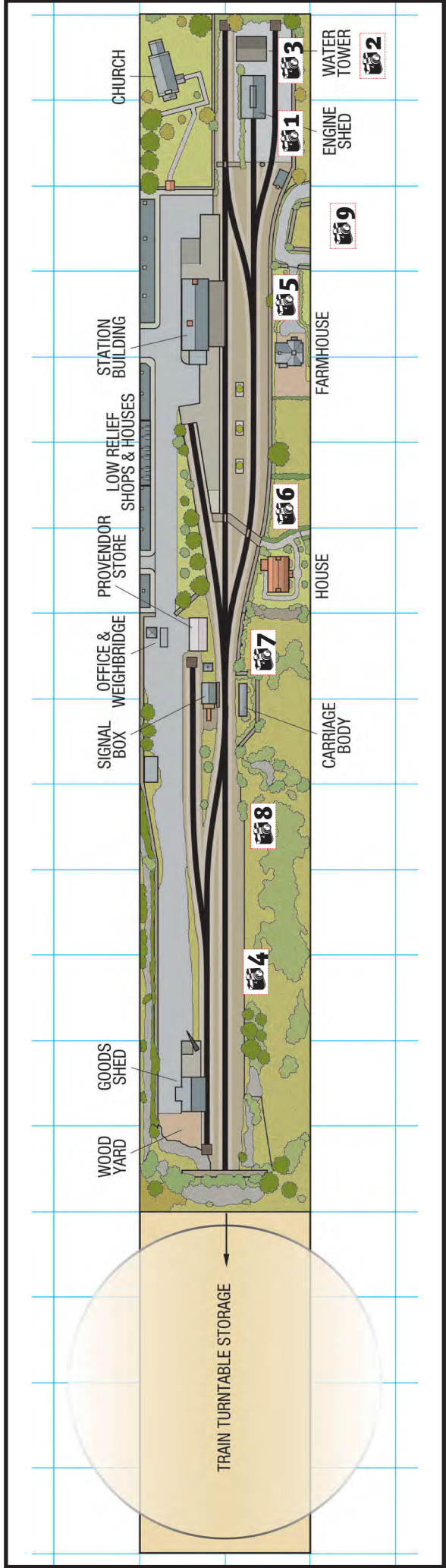
The local goods train waits its turn in the loop as the morning passenger train departs Aldbury behind an Ivatt 4MT 2-6-0.



The depot staff take a few more minutes break in the sun before making a start on unloading the coal wagon. The water tower is an old Airfix/Dapol kit.



The locomotive fleet consists largely of Bachmann and Homby RTR models modified for DCC operation and fitted with Kadee couplings.



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WOODEN

Plastic and metal are widely used for kits, but what about other materials? **Phil Parker** builds two unusual vintage wagons utilising a mix of laser-cut wood and other materials.



PROJECT 1

LNWR CATTLE WAGON

Parliamentary Trains is a new company specialising in 7mm scale kits from the very early years of railways in the United Kingdom. Using some advanced (and secret) laser-cutting techniques along with more traditional etching and casting, it markets a range of London & North Western Railway models.

Early railways exhibited none of the standardisation that we are familiar with. Each company designed its own locomotives and rolling stock and ran them as they saw fit. A mixture of carriages and wagons in the same train was

common as all were normally short four-wheel vehicles.

Locomotives and carriages might have been fitted with screw couplings but for wagons there was much more variety, doubtless to the chagrin of the operating departments and inspectors. On this wagon, the loop, chain and hook design was dreamt up by Henry Henson when he designed

the wagon and in the instructions, the manufacturers admit no-one is entirely sure how it was used.

Henson was an interesting figure; employed by the London & Birmingham Railway, he moved to the LNWR before being sacked in 1855 for selling wagon materials for his own benefit. Despite this, he continued a successful freelance design career. This model is based on an engraving of his design

While many modern kits are described as 'multi-media', I don't think I've come across a range of materials as wide as the ones supplied in the Parliamentary Trains box

WAGON KITS

WHAT IS A PARLIAMENTARY TRAIN?

While industry demanded a workforce for its factories each day, rail travel in the 19th century was generally beyond the means of the poorest who could benefit the most from employment opportunities.

In 1844 Parliament enacted a law that compelled railway companies to provide "at least one train a day each way at a speed of not less than 12mph including stops, which were to be made at all stations, and of carriages protected from the weather and provided with seats; for all which luxuries not more than a penny a mile might be charged."

Such services still ran in the 1950s, usually at the crack of dawn and consisting of the most tired and tatty rolling stock that was still (just about) fit to use.

In modern usage, the term covers train services run to save a rail company going through the lengthy procedure required to officially close a line to passengers. The trains are run as little as once a month and often in only one direction or replaced by a taxi, attracting few passengers other than curious enthusiasts. Probably the best-known example in 2014 is the Stockport-Stalybridge service in Greater Manchester, which runs northbound, Fridays-only.

for the LNWR Southern Division published in 1855 in D.K. Clark's *Railway Machinery*.

The body is laser-cut in 1mm and 1.5mm thick MDF. Detail is cut in card, the surface of which has been etched to show bolt heads and strapping.

Both are painted with a shellac solution to make them less absorbent when it's time to paint. Parts aren't retained in their frets by uncut 'nibs' in the traditional way, the MDF and acrylic sheets are sandwiched between sheets of self adhesive material which is peeled off to get at them.

The chassis is also MDF but this holds a pair of false sideframes containing the axleboxes and wheels. These are made from acrylic parts and pivot to provide compensation to handle rough trackwork.

Although superglue is recommended, I prefer aliphatic resin as it allows a little adjustment time, which is essential when laminating the sides to line up the framing. It is worth considering how you hold parts together because of this. A slight gap on a corner of my model between the side and end came about because the glue had dried hard before I spotted it. If I'd clamped the bits this wouldn't have happened. Having said this, it assembles well and the model is a striking vehicle, very different from later rolling stock. **BRM**

STEP-BY-STEP GUIDE



1

A selection of kit parts showing the variety of materials used. At the top, two different thicknesses of MDF, plastic, card, white metal castings, brass buffers, nickel silver brake levers and coupling hooks and vinyl diamond symbols.



2

Above Early railway wagons often had the framing on the outside of the body. Here, two layers of MDF parts are laminated to make up the ends. Metal pins represent bolt heads aid the location of the parts. These need to be cut off flush on the inside of the body.



3

Right Solebars located in the floor using tabs and slots for alignment. Care is needed to keep the parts at right angles to each other.

TURN OVER
FOR MORE
STEPS

PRACTICAL BRM



STEP-BY-STEP GUIDE continued...

8



Above Only one side of the wagon has a brake lever and this and the guide are supplied on the nickel-silver etch. Fix these in place with superglue after the card solebar sides are fitted.

Right The completed wagon ready for paint and clearly showing the variety of materials used. The coupling design dates from before the adoption of the three-link in the UK. The chain links have to be opened up with small pliers and threaded through the hole in the bottom hook. Buffers are supplied ready-assembled and simply push in to the headstocks.

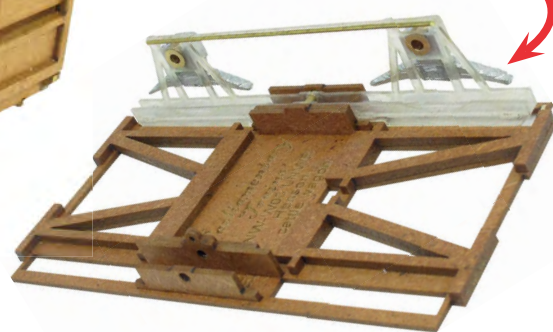
4

All the parts slot together perfectly to make up the body. No fettling or adjustment is required.



5

The underframe clips under the floor and can be made separately to the body. Inner solebars made of acrylic parts superglued together, pivot about a pin in the centre to provide compensation.



9



PROJECT 2

ISLE OF MAN RAILWAY CATTLE WAGON



The only 0-6-0T on the island, Dubs built Caledonia shunts the cattle wagon. The locomotive is an Accucraft RTR model.

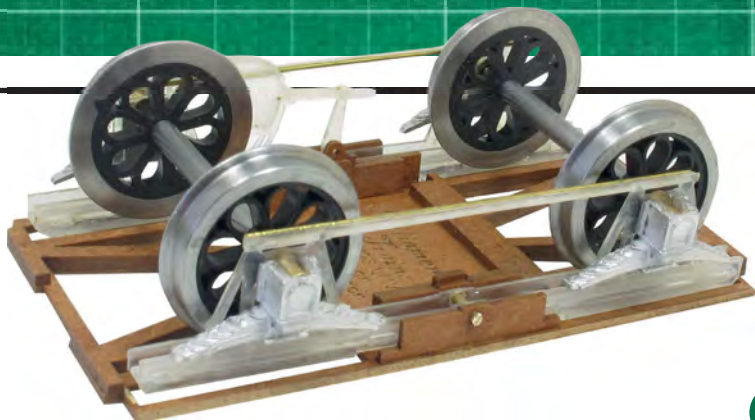
Garden railways are generally built in the larger scales. Because of this, injection moulded wagon kits, common in smaller scales, aren't economic to produce. The sides on this wagon are 24.5cm long, which would be very expensive to manufacture. Because of this, there is a healthy market in kits produced in the same material as the prototype – wood – with many cottage industry manufacturers offering kits.

IP Engineering is the largest producer of garden railway narrow gauge kits in the UK. Its range covers the main narrow gauge lines including the Talyllyn, Vale of Rheidol, Lynton & Barnstaple as well as

freelance and beginner models. All kits are supplied laser-cut in plywood with metal castings for detail and metal wheels. The range includes 16mm, G and 7/8ths scale models with some prototypes being available in more than one size.

This cattle wagon is one of the newer kits in the range but enjoys the same simple construction methods as older models. Pre-cut parts are glued together in much the same way as you might build a cardboard kit. Indeed, you can use PVA glue for both.

My finished model is detailed enough to sit alongside RTR coaches and locomotives but is robust enough to operate with live steam out in the garden when the weather's fine. **BRM**



6 Slater's Bramah Pattern wheels were chosen for a really early look, these were replaced on later wagons with more traditional spoked wheels. They are trapped between the second solebars. The tie rods between the axleboxes have been strengthened by fixing brass wire behind the acrylic.



7 Bodyside ironwork is supplied as laser-etched cardboard. Paint this on the sheet and fit it after the main body has been painted – it's quicker than doing this afterwards as I had to.

FINISHED MODEL



10 The interior would probably have been unpainted but lime-washed in use. I used Humbrol 147 to represent this.



SUPPLIERS

► **Parliamentary Trains NW-W-03 LNWR Henson Southern Division Cattle Wagon**
Price: £56.00 (including Slater's Wheels)
W: www.parlytrains.co.uk



A typical Manx mixed train with Accucraft passenger stock hauled by a Beyer, Peacock 2-4-0T locomotive.

This cattle wagon is one of the newer kits in the range but enjoys the same simple construction methods as older models.

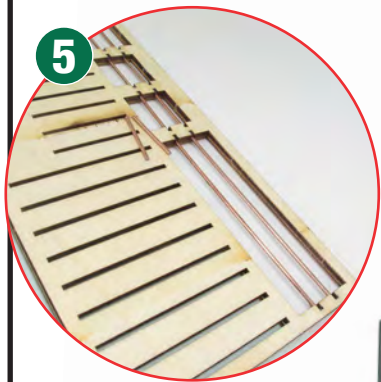
TURN OVER
FOR STEP-BY-
STEP GUIDE

PRACTICAL BRM



STEP-BY-STEP GUIDE

5



Wire for the bars locates inside the sides. Cutting this is easier with a fine saw as it's steel and will defeat smaller wire cutters and damage their blades. The gaps into which they slot are a nice tight fit. Use UHU or superglue to fix them in place.

1

A selection of kit parts showing the variety of materials used. At the top, two different thicknesses of MDF, plastic, card, white metal castings, brass buffers, nickel silver brake levers and coupling hooks and vinyl diamond symbols.



6

I deviated from the instructions by fixing the ends to the floor first. Cast iron angle blocks cost around £15 each from Squires Tools and are invaluable for jobs where everything has to be kept at right angles. Square pieces of wood will work just as well though as long as they don't stick to the plywood parts.



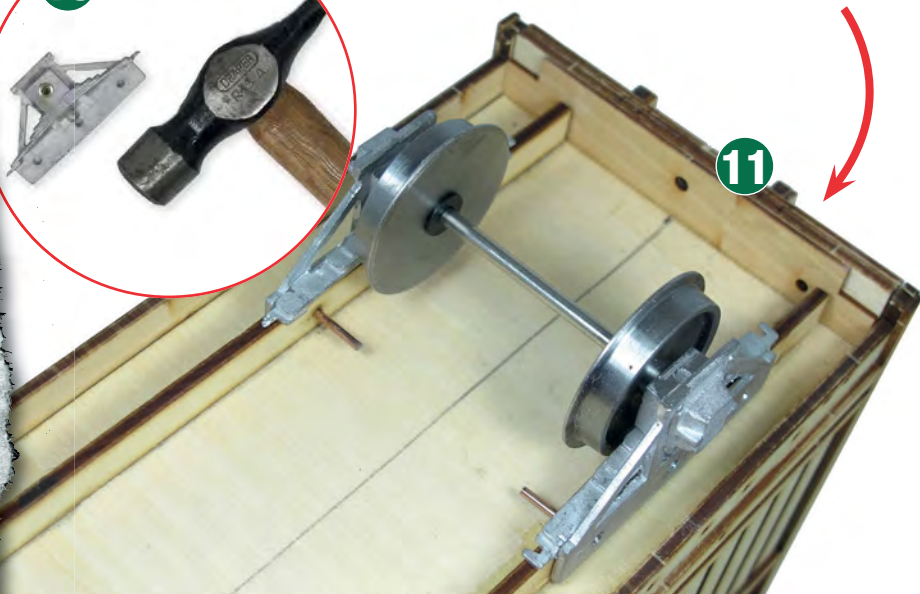
Left Whitmetal axlebox castings require a little cleaning up before use with some emery paper. Then fit the brass bearings – the instructions suggest superglue is required but I found a gentle tap with small hammer pushes them in firmly enough.

Below Two lines 56mm apart help position the inner edges of the solebars. Fix one in place complete with axleboxes and once it's dry, put the wheels in and add the other. Spin the wheels to make sure they run freely and adjust the solebar position until they do. The stubs of wire are hangers for the brake shoes.

10



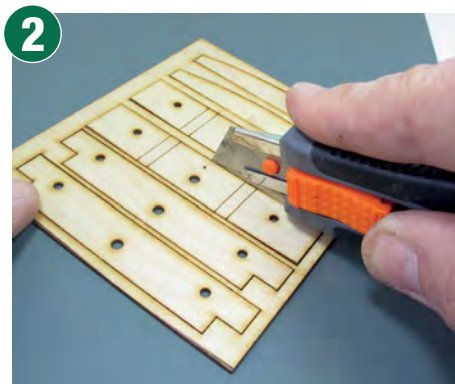
11



TOOLS FOR THE JOB

- Craft knife ■ Small hammer ■ Heavy duty wire cutters or fine saw
- Sandpaper
- Deluxe Materials 'Alphatic Resin'
- Superglue for attaching metal parts ■ UHU for wire rods





Components are held in the wooden frets by tiny tabs that have to be cut through using a sharp craft knife. The remains of each tab should be sanded away once the piece is released.



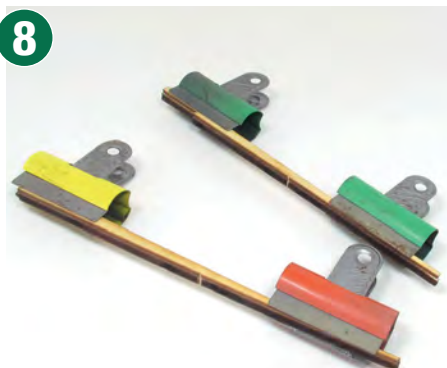
Starting with the wagon ends, bufferbeams are laminated. There is a mis-match between the vertical lines for the uprights so I flipped the beams over to show the plain side.



The outside framing on the sides is a large component so it's a good idea to get some weight on top of it while the glue holding it to the inner side dries. Old model railway magazines are ideal - now you have another reason to keep them!



Once the ends are dry, the sides should be stuck down. Some weight on top of the glued joints ensures a good bond.



Uprights on the end are made of two parts laminated together. Note that the pieces are made of two different thicknesses of wood. Make sure you use one thick and one thin for each so they all end up the same depth.



These are supposed to be single pieces of wood so I filled the ends with Deluxe Materials 'Perfect Plastic Putty' and sanded them smooth.



Above While test assembling the whitmetal parts for the brakes, I found the pull rods were too short leaving the shoes well away from the wheel treads.

Right Replacing the rods with more wire solved the problem. Remember to allow extra wire for the wooden handbrake lever to fit over. I didn't and had to glue an extra stub 7mm long for this.



PROTOTYPE INSPIRATION

Livestock wagons on the Isle of Man Railway date back to 1873. Early examples were open and featured diagonal planking that matched some of the covered vans. From 1908 the railway used redundant coach chassis freed up as part of a project to replace four-wheelers with bogie vehicles, to build a new set of wagons.

These had vertical planking and were fitted with a roof. Livery was pale grey with some wagons enjoying ironwork picked out in black. The cattle wagons were the first to disappear from the network and none survive today. The last was scrapped in 1965 but the supporters association is investigating the possibility of building a replica.

The vans were used for weekly markets. As well as livestock, they could be pressed in to service as general purpose vans when required, early vehicles often being loaded with hay.

K1, the second vehicle to bear this number, was built on the chassis of coach C11 in 1921. It was scrapped in 1947 having become rotten at the top of the solebars.

TURN OVER
FOR MORE
STEPS

PRACTICAL BRM



STEP-BY-STEP GUIDE continued...

THE ISLE OF MAN STEAM RAILWAY

Despite being only 32 miles long and 14 miles wide, the Isle of Man was home to a substantial railway network with 32 stations. The steam railway ran the full length of the island on 3' gauge tracks. Financial pressure saw most of the system gradually close until, from 1968, only the southern end of the system still operated from the capital, Douglas, to Port Erin.

The remaining line operates as a tourist attraction with steam locomotives built by Beyer, Peacock hauling six trains in each direction every day in high season. The railway is still owned and run by the Manx Government as part of the island's transport infrastructure.

For more information, visit: www.iombusandrail.info and Isle of Man Steam Railway Supporters Association www.iomsrsa.com

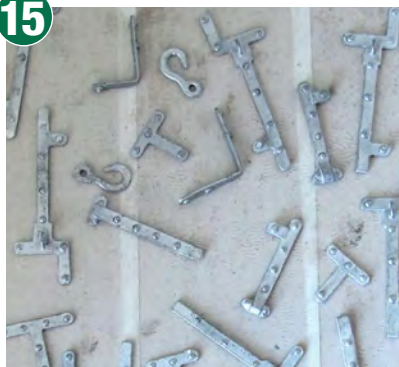


14



Halfords grey primer for the body colour followed by Revell satin black for the chassis – both sprayed. The inside was brush-painted with Humbrol No. 147 before the plastic roof was glued on.

15



There's a lot of ironwork and it's easier to spray paint by sticking it to a piece of card with double-sided tape. Once dry, UHU each piece to the body following the plan in the instructions.

16



Safety chains hang either side of the centre coupling. Chain is supplied to make them but I used some from the EM Gauge Society that was a little more substantial.

17



Simple centre buffers that can be coupled with chains are included but to match my other Manx rolling stock, a pair of Accucraft chopper couplings was screwed in place.

SUPPLIERS

► IP Engineering Isle Of Man Covered K Wagon Kit
Price: £52.00 [W: www.ipengineering.co.uk](http://www.ipengineering.co.uk)



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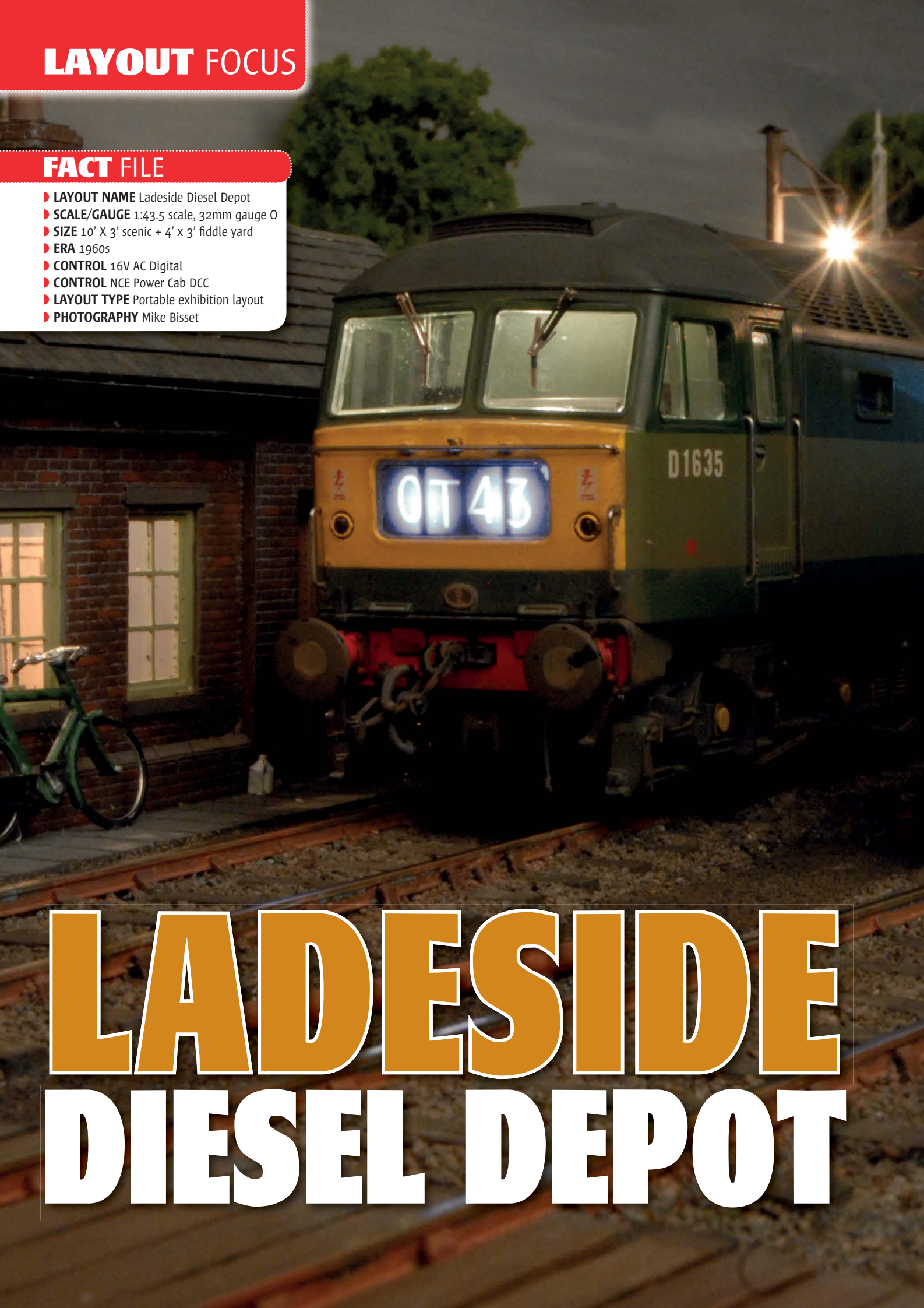
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FACT FILE

- **LAYOUT NAME** Ladeside Diesel Depot
- **SCALE/GAUGE** 1:43.5 scale, 32mm gauge O
- **SIZE** 10' X 3' scenic + 4' x 3' fiddle yard
- **ERA** 1960s
- **CONTROL** 16V AC Digital
- **CONTROL** NCE Power Cab DCC
- **LAYOUT TYPE** Portable exhibition layout
- **PHOTOGRAPHY** Mike Bisset



LADESIDE DIESEL DEPOT



Crewe-based Brush Type 45, D1632 and D1635 sit under the lights of Ladeside depot. D1632 had earlier 'failed' on the diverted Up 'Royal Scot.'

Conceived by **Mike Bisset** and **John Donaldson** as an extension to the popular St Marnock Engine Shed, this transition era depot has taken on a life of its own.





Many depots faced a rapid influx of diesels....it soon became clear that these new machines did not fare well in the smoky environment of run-down steam sheds

If you've seen St Marnock at one of the many exhibitions it attends, you'll be aware that it portrays an ex-Glasgow & South Western Railway steam locomotive depot in the early to mid-1960s. Just like on the real railway, it faces the arrival of a new breed of motive power - the diesel locomotive.

Such was British Railways' rush to modernise, many depots faced a rapid influx of diesels before adequate facilities had been put in place. It soon became clear that these new machines did not fare well in the dirty and smoky environment of run-down steam sheds, so numerous former workshops and redundant steam sheds were brought back into use for the provision of basic fuelling and servicing.

On St Marnock Engine Shed, steam still reigns supreme, leaving little room for the influx of new diesels being introduced on to the ex-G&SWR lines around Ayr and Kilmarnock. But, my number one operator on St Marnock, John Donaldson, persuaded me that with lots of new O gauge diesels on the market, it was time to build a depot extension. Work started straight away as a joint project.

Ladeside Diesel Depot follows the G&SWR theme and is based on the former steam shed at Ardrossan in Ayrshire, which in its final years housed stored Clayton Type 1 diesels awaiting scrapping. From the outset, it was intended that the layout would serve a dual purpose.

Its primary role would be as an extension to St Marnock, but it would also have sufficient operator and viewer interest to make an appealing exhibition layout in its own right. That interest would be enhanced by the inclusion of a railway-related engineering works with its own warehouse and loading bay.

With that in mind, it was decided not to attach it directly to St Marnock, but to build it as an independent layout. This could then be linked to the 'Mother Ship' via a 2' transition board incorporating a viewing side information display panel. When Ladeside is exhibited on its own, the transition board is replaced by a 4' long fiddle yard.

KEY DETAILS TRACK BALLASTING



A Sulzer Type 2 and English Electric Type 1 sit on the shed roads while a Clayton Type 1 takes on fuel. The timber foot crossing in the foreground shows just one of the many effective uses for wooden coffee stirrers.

Ballasting of the Peco track was carried out using Green Scene's 4mm scale ballast on the main access track, with a blend of fine ballast and Carr's ash ballast being used in the diesel depot area. The ballasting materials were mixed with powdered resin wood glue, with the dry

mix being spread into place with a paintbrush. Water, with a little detergent, was then misted over the ballasted areas. The detergent ensures even penetration of the water through the ballast, preventing clumping as it sets. Take care to cover points and crossings to prevent damage.

TRACK & BUILDINGS

Trackwork is Peco Streamline with the turnouts operated by Fulgurex slow motion motors. St Marnock is wired for 12V DC analogue operation as it plays host to both DC and locomotives converted for Digital Command Control (DCC) operation. However, all Ladeside's diesels are fitted with sound decoders and so the layout is wired for DCC. However, the track which runs along the rear of the depot provides the access route to St Marnock and some steam locos are still DC, so

this track is switchable between DC and DCC.

My previous buildings were built from layers of cardboard, bonded together with PVA, with an outer finish of embossed stone plastic sheet. This provided strength, but at a cost – they were surprisingly heavy. For the Ladeside structures, laminated card was replaced with foamboard, and to further reduce the overall weight of the finished baseboards, the backscenes were produced using plywood instead of MDF.

The diesel depot building has the same coarse stone embossed plastic as the steam shed, replicating the Ayrshire sandstone of the real G&SWR structures. This material is quite porous and quickly turned black in the sooty industrial atmosphere. In bringing the Ladeside building back into use, some attempt has been made at cleaning the stonework, allowing just some of the original red sandstone colour to show through.

Achieving this appearance was both slow and laborious. Firstly, the whole structure was sprayed with Halfords grey primer. Then each individual stone was painted with a mix of red/brown enamels, leaving the grey primer in the mortar courses. The density of the paint on the stones was then built up and picked out in darker and lighter shades. A final treatment with weathering powders completed the desired look.

A slightly different technique was used for the other buildings which were finished with embossed brick plastic sheet. After priming to provide a key for the enamel paints, the buildings were given an overall spray of the chosen brick colour. Then individual bricks were picked out with darker and lighter shades. After several days to allow the paint to thoroughly harden, the brickwork was given a wash of thinned



Making a rare appearance is 'Deltic' D9021 Argyll and Sutherland Highlander on a day which saw Sunday East Coast Main Line diversions over the G&SW route.



A kit-built Clayton Type 1 awaits departure from the engineering works loading bay. This is the only diesel on Ladeside not fitted with sound, as recordings are not yet available.



Its primary role would be an extension to 'St Marnock', but would also have sufficient operator and viewer interest to make an appealing exhibition layout in its own right.



See Ladeside in more detail with video narrative and sound plus more great layouts and features on the all new BRM Live 3 - available for all tablet devices.



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mortar colour, allowing the paint to flow into the embossed mortar courses. A light treatment with weathering powders completed the job.

FLEET MATTERS

The locomotives visiting Ladeside are a mix of ready-to-run from Heljan and Bachmann and kits from the Nigel Stanley and Just Like the Real Thing ranges. All are fitted with sound decoders, mainly Loksound XL.

John's Heljan Brush Type 4 is a regular 'showstopper' with its fan assisted smoke unit. American diesel scented smoke oil helps it to produce a spectacular blast of exhaust fumes!

When the layout is linked to St Marnock there is a steady stream of steam locomotives, with DCC sound and smoke, travelling the length of the layout to gain access to the steam shed. Even when Ladeside is exhibited on its own, steam occasionally passes along the rear track between the fiddle yards at each end.

In the last five years, St Marnock has appeared at around 40 exhibitions throughout the UK and in Germany, France and the Netherlands, providing us with much satisfaction and the making of many friends. Hopefully, Ladeside will provide as much entertainment in the coming years. It has already appeared at several exhibitions and the diary is beginning to fill up with a mix of solo appearances, as well as with St Marnock. **BRM**

Ladeside Diesel Depot will be at Midland Railex on August 16/17, 2014 at the Midland Railway - Butterley.

THANK YOU

Fulfilling exhibition invitations would not be possible without the commitment of our regular operators, to whom John and I extend our sincere appreciation.



It must be Sunday.
A variety of Type 1
and Type 2 diesels sit idle,
while one crew has time to
read the previous day's
football reports.

KEY DETAILS CREATING AN ATMOSPHERE



Brush Type 45 D1632 and D1635 get some workshop attention during the night shift. Careful use of exterior and interior lighting can transform a layout, giving an authentic night time atmosphere.

Internal lighting has been fitted to all the buildings which, together with the illuminated yard lamps, allows us to create a convincing late evening atmosphere when the overhead lighting gantry is switched off.

John and I firmly believe that in setting a layout back in time, we are attempting to create an air of

nostalgia. Memories are not just of the locomotives, trains and buildings, but of all the other little things that brought the railway to life. Look closely and you'll find general clutter, discarded tools and lamps, miscellaneous scrap and broken walls with fallen stones lying in the weeds. Carefully placed figures and a prowling fox complete the picture.



San Cheng 'Black 5', No.45423, passes the diesel depot as it reverses towards St Marnock Engine Shed.

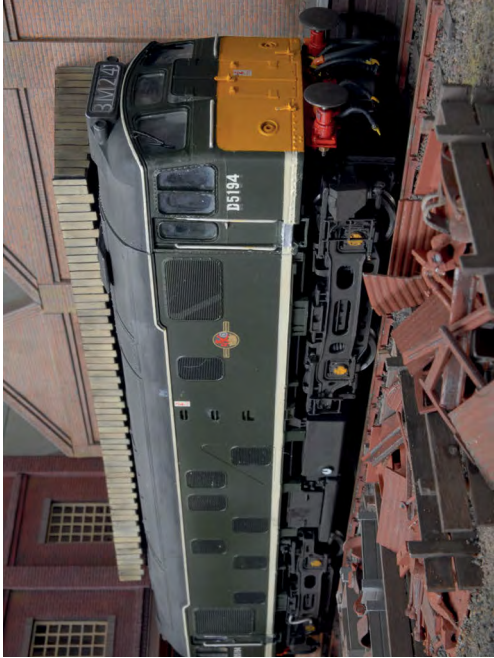




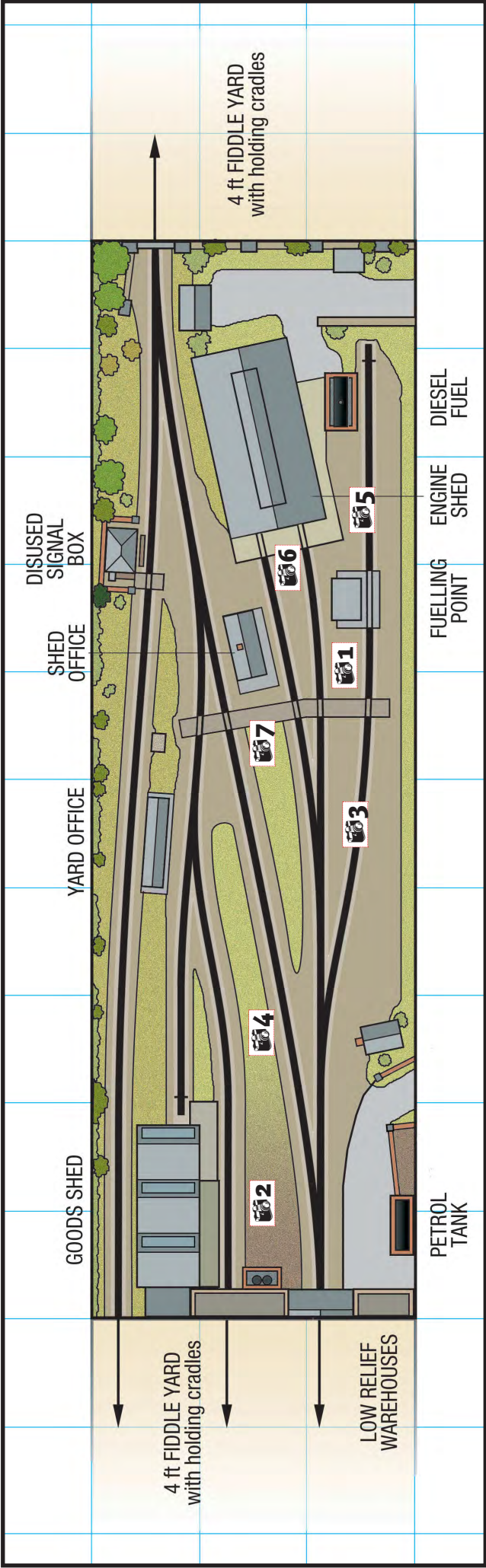
An English Electric Type 4 from a Nigel Stanley kit passes the disused and vandalised Glasgow & South Western Railway (GSWR) signal box.



Front end comparison: Birmingham RCW/Sulzer Type 2 - later Class 26 - and Brush Type 4. Both are detailed and weathered Heljan RTR models.



A Derby Sulzer Type 2 (later Class 25) from a Just Like The Real Thing kit sits at the warehouse loading bay.



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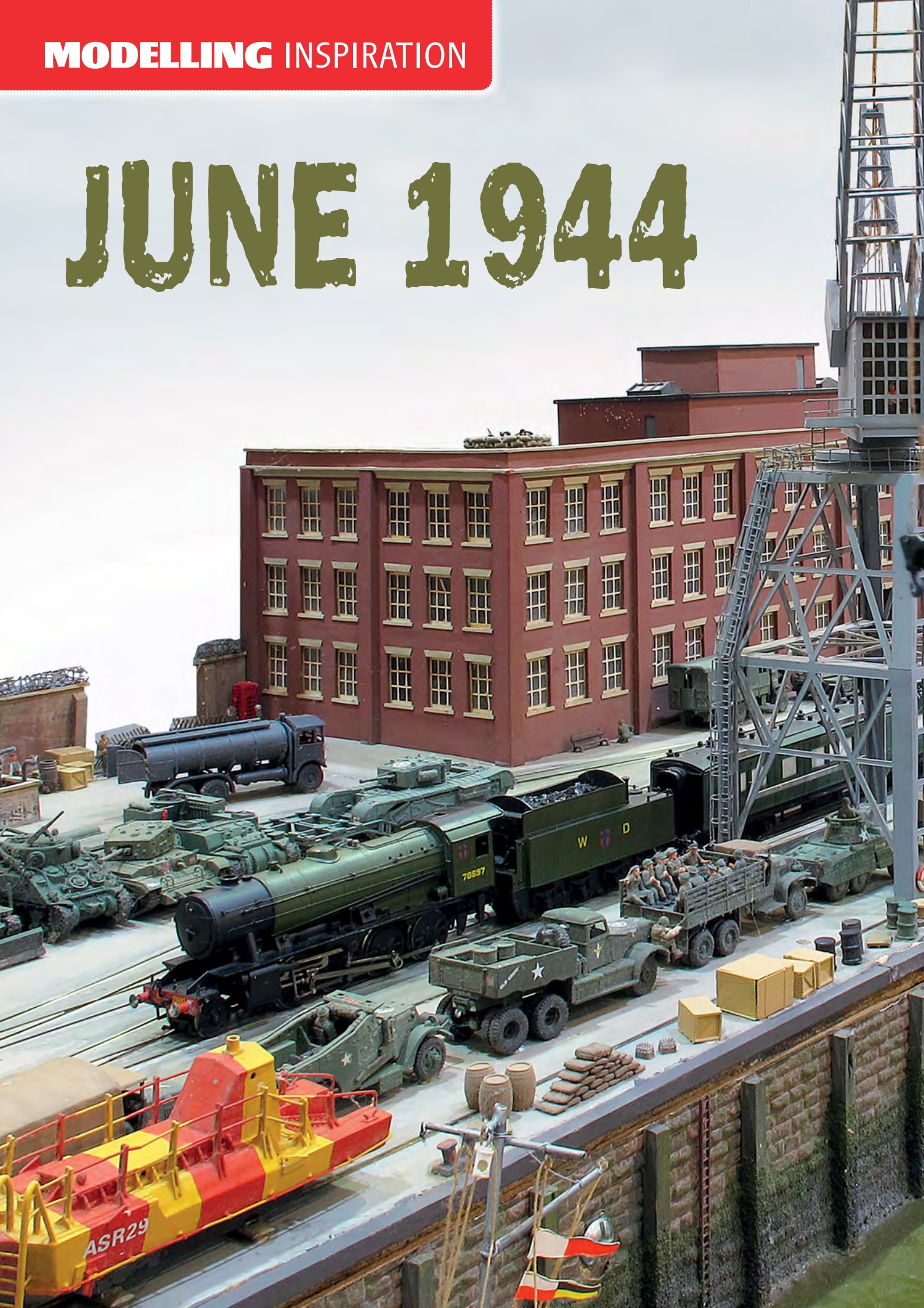
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MODELLING INSPIRATION

JUNE 1944





Seventy years ago, in June 1944, Allied Forces mounted the largest amphibious invasion ever seen. Popularly known as D-Day, the top secret Normandy landings were officially entitled 'Operation Overlord'. As a small tribute to the men and women involved, and to the railway's vital role in the preparations, here's a view of Chris Mead's outstanding OO layout Overlord, as featured in January 1996 issue of *BRM*. Andy York



DIRTY DIESELS



Following on from last month's painting tips, **Nigel Burkin** shows how to give a brace of Irish 071 Class diesel locomotives an authentic weathered finish.

Weathering is a fun way of adding character to ready-to-run models and a very high degree of realism can be achieved with just a handful of techniques. There's a temptation to weather models to a formula rather than studying the full-size stock to see how the elements and grime affect hard working equipment. I prefer to select from a variety of techniques in the same way as I select tools on the workbench to suit a certain task. Perhaps it's because I rarely remember the precise order I used on previous

projects by the time I arrive at the next one!

Techniques in the toolbox of creative weathering include painting, pastels, weathering powders and ink washes. I personally like weathering using highly thinned paints to achieve ingrained grime or bleaching effects. A thinned wash of paint is applied with a flat brush so the paint pigment builds up in moulded detail. Any excess is wicked away with kitchen towel so it does not puddle on the side of the model. When thinned to a

I prefer to select from a variety of techniques in the same way as I select tools on the workbench to suit a certain task.

PROTOTYPE INSPIRATION

Class 071 No.087 is seen in heavily weathered condition running light engine westbound through Hazelhatch on May 12, 2008. Ben Jones



Two models feature in this weathering technique article: No. 078 finished in lined IE orange and black together with CIÉ 088 in original 1970s 'Super Train' livery. Note the subtle difference in the shade of orange applied to each model.

ratio of 20:1, the build-up of paint is slight for each application and washes can be applied several times until the desired effect is achieved. A similar technique involves the use of a fine piece of sponge to create rain and weather streaking down the side of a model after a wash has been applied.

Spot rusting is another favourite, applied with a small paintbrush or stippled to represent rust spots. Dry brush weathering is a great way of picking out raised detail to highlight it with pale colours to enhance the feeling of bright light shining on

it, bleaching or with rust colours to emphasise corrosion. Dry brushing means that the paint is applied using the bare minimum of paint on the brush - it's almost dry. The tip of the brush is dipped in paint and the excess rubbed onto a kitchen towel. When it seems there is no paint left in the bristles, the brush is rubbed over the model's raised detail, leaving traces of paint behind.

Finally, airbrushing holds the secret to many superb weathering effects, from re-colouring underframes and bogies to subtle dusting around exhaust vents and streaking on the side of models

using card or tape masks. As you delve more and more into weathering techniques, you'll find the combination of colours, methods and ideas is almost limitless. Should you wish to maintain a certain level of consistency throughout your collection, making notes of what actually works for you is a good idea. Write the details down on record card so the information is easily to hand, together with reference photographs and possibly some colour swatches of the colours you use regularly. I know I should take my own advice! **BRM**

**TURN OVER
FOR STEP-BY-
STEP GUIDE**



PRACTICAL BRM



Looking at the prototype

Not being familiar with the 071s, I spent a fair bit of time tracking down reference photographs. I decided to treat both models at the same time, paying particular attention to the way in which roof dirt streaked down the front of the cab roof; the rusting of the grilles and in corners of the bodywork and the covering of dirt and exhaust grime over the roof, giving the appearance of black roofs.

Fragile roof lifting rings were replaced by wire parts from a North American detailing company called 'Details West'. I had a packet left over from another project which were inserted in a 0.4mm diameter hole drilled through the remains of the

plastic ones. Where the originals came adrift, the square mounting holes were plugged with pieces of 30 thou square styrene strip and a new mounting hole drilled through it. The lift rings were secured with a spot of CA glue and painted to match the roof.

Grime and Dirt

Several coats of grimy wash colour were applied to the bodysides, solebar, walkway and cabsides to pick out grille and door panel detail of the narrow hood. The wash consisted of Roof Dirt enamel paint diluted 20:1. The slight trace of pigment then collected in the moulded detail, lifting the model as well as toning the vibrant orange paint down a couple of notches. Using thinned paint in several washes ensures that the effect is not overdone and the grime can be built up in very thin coats. There is no desire to change the shade of the paint colours or obscure printed detail, so puddled paint should be removed with kitchen towel.

Another period of drying was followed by the application of grime to the roofs – perhaps the heaviest weathering so far. The dirt, probably consisting of years of accumulated exhaust and grime, was rain streaked down towards the front windows and along the shoulder of the narrow body. This was applied, again using Roof Dirt paint, diluted 5:1, using

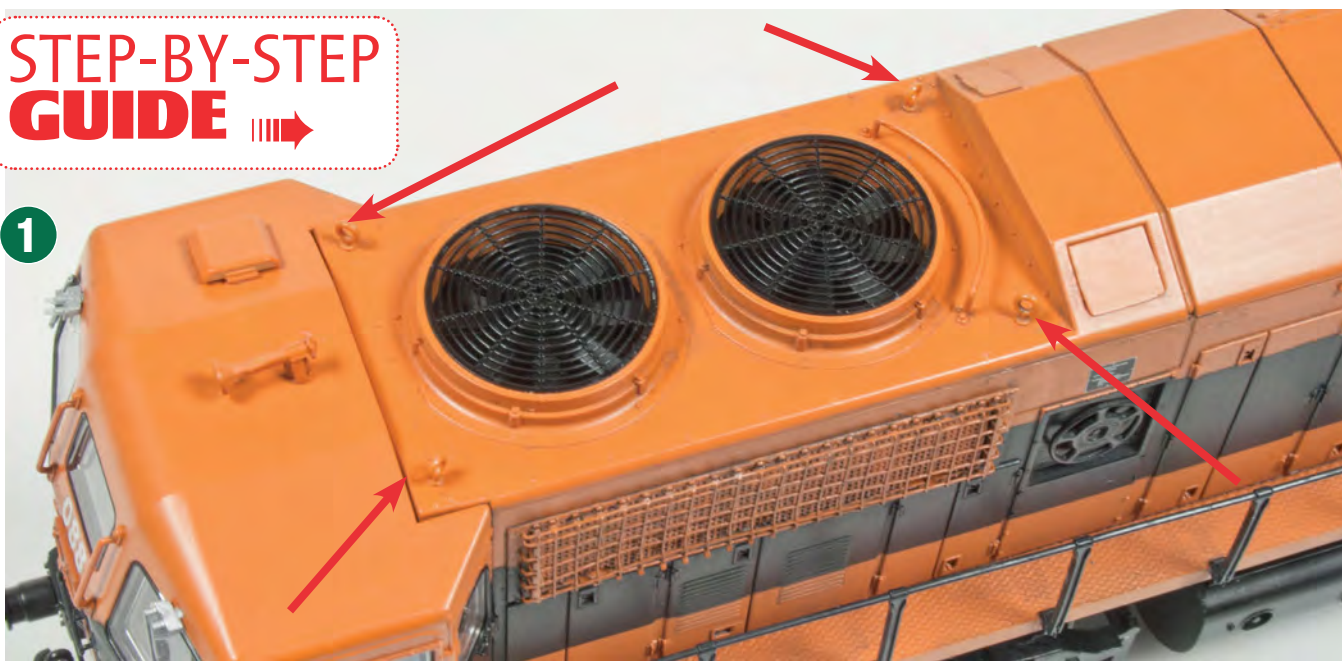
a flat paint brush. Once dried, masking was applied loosely around the body and cabs to keep them clean while the roof was sprayed sparingly with the same dirt colour. The looseness of the masking allowed a little overspray on to the body and cab sides to prevent a hard edge to the dirt colour from forming which would look most unnatural.

Four essential stages of dirt application bring the bogies, fuel tank and underframe to life. First is an application of Frame Dirt to tone down the stark black finish, sprayed for an even appearance. This was applied to the wheel faces too. This was immediately followed with a dusting of Brake Dust colour, highlighting the beautifully moulded detail on the bogies. Brake shoes were touched-in with thinned Yellow Rust and more Roof Dirt, again thinned about 5:1, was streaked down the fuel tanks to represent spillage.

Finally, a touch of Oily Steel was dry-brushed onto the footsteps and spot of Roof Dirt found its way onto the buffer heads and around the axleboxes and bogie springs. By this stage, the models required careful handling so as not to disturb fresh paint. Once completed, they were left for several days before the overspray was removed from the wheels. In all, they took around four days to complete.

STEP-BY-STEP GUIDE

1



The plastic lift rings fitted to the roof of the model are very delicate and break off all too easily, as I discovered when starting work on the models.

4



Weathering starts in earnest with thin washes of roof dirt paint thinned (20:1) which is brushed over the model and into moulded detail.

5



Particular attention was paid to the chequerplate walkway with any excess wicked away using absorbent paper towel.

PAINTING MATERIALS

I chose paint colours with the help of the reference photographs I found on the internet. Railmatch Roof Dirt (and the equivalent from Phoenix Precision) worked well for the dirty roof and dirt streaking on the front of the cab roof. The same colour, with a spot of white to lighten it and diluted to about 20:1 with thinners, provided a thin wash



The bare essentials include fast drying oil paint, enamel paints, stippling brushes and food trays for mixing and holding small quantities of paint.

which picked out the superb detail and toned down the paintwork of the new models. Matt White enamel paint was thinned 10:1 and darkened with a tiny spot of grey to bleach the red panels on the front of 078. One colour to avoid completely is black – do not use it for roof dirt or exhaust carbons as it is too stark. For rust staining of grilles and panels, I chose fast-drying oil colour from the Windsor & Newton 'Griffin Alkyd' range. This is easily diluted with enamel thinners and dries pretty quickly. It is translucent compared to enamel paints making it ideal for rust staining without covering the underlying paint. The colours I use most for staining are 'Burnt Sienna' for old brown rust and 'Raw Sienna' for more recent yellow rusting. Enamel rust colours, particularly brown and yellow shades are better used to create solid rust patching where the paint has been lost completely. A variety of brushes was used to apply the various finishes including stippling brushes for rust spotting, general brushes for details and dry-brushing together with a 10mm flat brush for applying thin washes of grime. Paints were mixed and thinned in clean food



Thin washes of off-white paint creates the sun-bleached finish on the front of 078.

trays and clean lolly sticks were used to mix the paints before using. Airbrush weathering was applied using an Iwata airbrush fitted with a fine needle and nozzle. This was restricted to the underframes, bogies and roof with low tack masking tape used to keep paint exactly where it was wanted. Tamiya 15mm wide masking tape is ideal for the job.



Each lift ring moulding is fitted to a square hole. It is too large to accept metal lift rings and should be filled with a piece of square section styrene before a hole is drilled through.



New metal lift rings are fitted to 0.45mm diameter holes and secured with a tiny spot of CA glue (superglue).



Once the colour wash was dry, rust colours were applied to grilles where corrosion was observed on the full-size locomotives.

TOP TIP

Rusting

Having allowed the paint washes time to dry thoroughly, I applied rusting effects to the grilles, along the bottom edge of the body and the front of the cab roofs, using photographs to determine how the rusting should appear. Fast drying oil paints were used for a translucent rust effect. The effect on the grilles was more of a staining effect and this was emphasised by using a brush lightly loaded with thinners to streak the rust over the paint in a downward direction. I noted rust damage above the cab windows on several 071s. The effect was modelled using a stippling brush dipped in oil paint. As is the case with all weathering techniques, the rusting effects were applied very lightly to both models – less is more!



Rust spots are represented by stippling using a brush designed for the purpose.

TURN OVER FOR MORE STEPS

PRACTICAL BRM



STEP-BY-STEP GUIDE

8 Attention was paid to the bottom edge of the body using a stippling brush. The translucent finish of the oil paints creates a staining effect on the model's paint work and can be streaked using paint thinners and a flat brush.



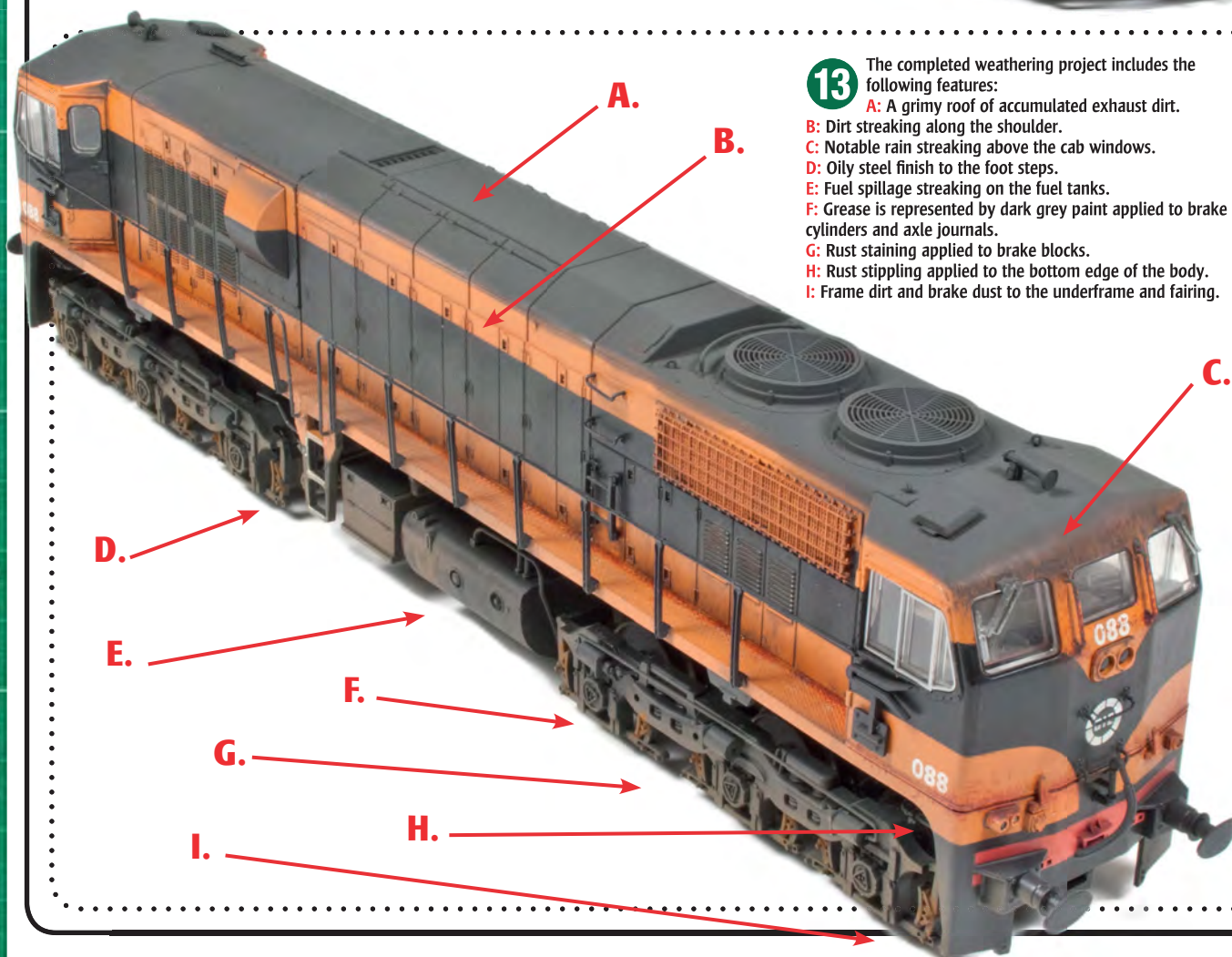
TOP TIP

Fading the red paintwork

Looking carefully at photographs of IÉ 078 (with white lining and logo), one distinguishing feature was how the red warning panels on the cab fronts bleached out to a point that they appeared pink in colour, in parts at least. This effect was applied to the model using matt white paint diluted (15:1). A size 0 paintbrush was used to control the extent of the bleaching treatment to the red panels and excess paint was carefully removed. The same technique could be used to sun bleach the cab fronts of locos finished in CIÉ 'SuperTrain' livery too. The paint should be left to dry for at least 24 hours before proceeding to the next step.



11 Underframe dirt, brake dust, brake block rust and fuel spillage staining to the fuel tank finishes the job.

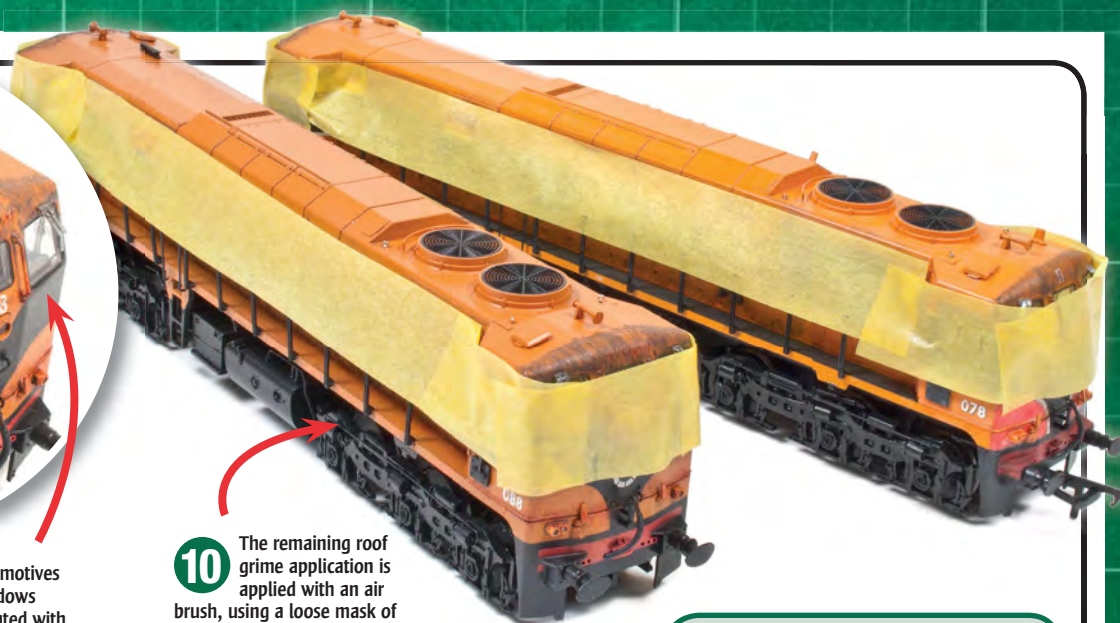


13 The completed weathering project includes the following features:
A: A grimy roof of accumulated exhaust dirt.
B: Dirt streaking along the shoulder.
C: Notable rain streaking above the cab windows.
D: Oily steel finish to the foot steps.
E: Fuel spillage streaking on the fuel tanks.
F: Grease is represented by dark grey paint applied to brake cylinders and axle journals.
G: Rust staining applied to brake blocks.
H: Rust stippling applied to the bottom edge of the body.
I: Frame dirt and brake dust to the underframe and fairing.



9

Dirt accumulated on the roof of the locomotives streaks down towards the cab front windows and the body side. Rain streaking is created with thinned paint, brushes and sponging.



10

The remaining roof grime application is applied with an air brush, using a loose mask of tape to prevent the body sides from being affected.

12

An unrealistically sharp line between the roof dirt application and the clean body sides has been avoided by careful control of the air brush and ensuring the tape mask was only loosely applied to the model.



14

The sun bleached and hard worked appearance applied to both models took about four days of work to complete, with time taken to see the effects of each stage of weathering before progressing to the next.

TAKE IT A STAGE FURTHER...

The Irish 071s and their Northern Irish sisters, the 111s, are famously loud and modellers can add this extra dimension to their Murphy Models locomotives, thanks to a selection of sound decoders from Model Shop Belfast. Bespoke decoders are available for IR/IÉ 071s with full sounds plus IÉ platform announcements, guards whistle and carriage door slam or NIR platform announcements for the 111s. Also available are sounds for Murphy 141/181 and 201 Class diesels, with Metro-Vick A (001) Class and generator vans to follow shortly. See www.modelshopbelfast.com/irish-digital-sound for full details.

MODEL RAILWAYS LIVE

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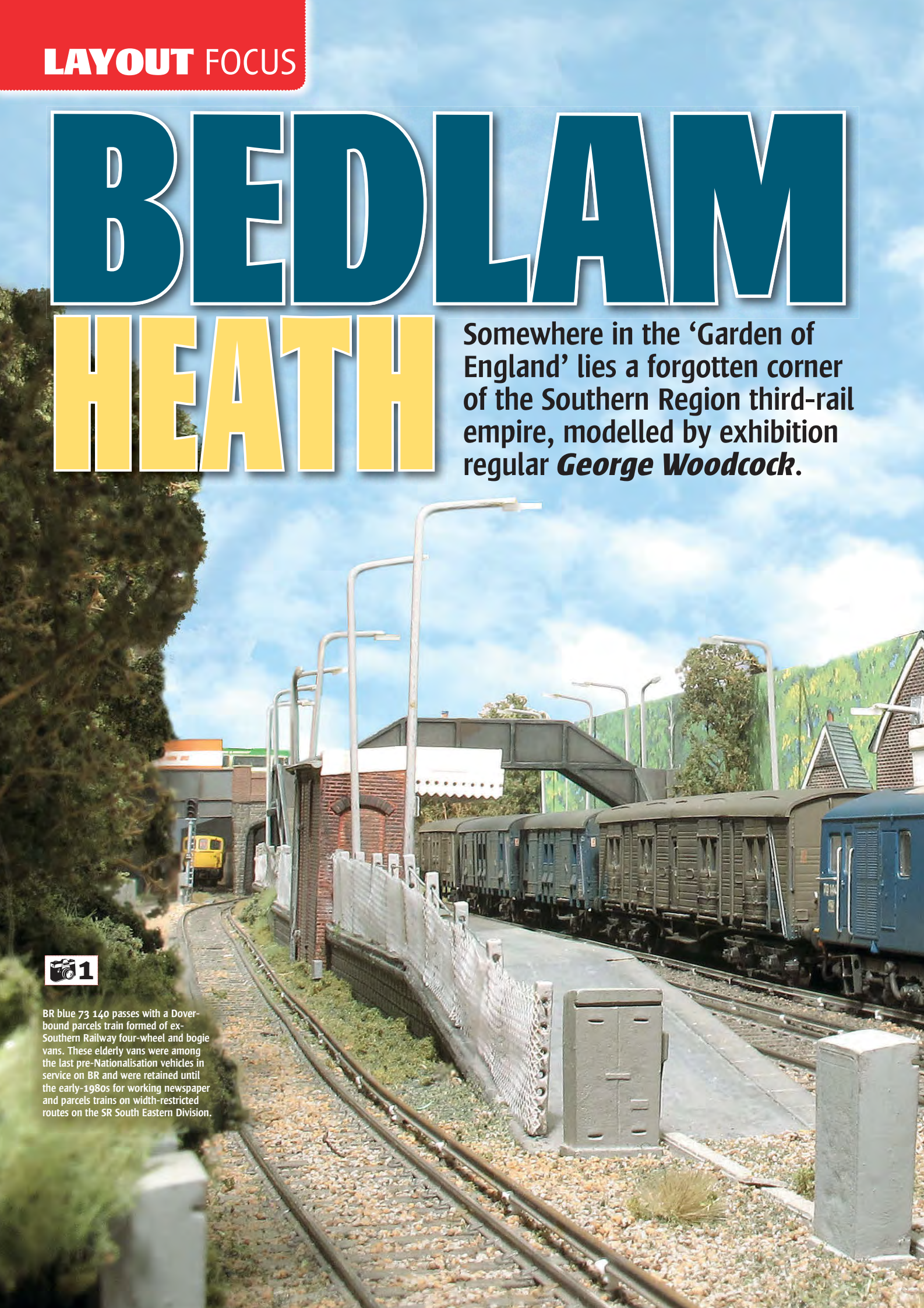
See Nigel Burkin's Painting Tips in the June issue of **BRM**. Download the digital edition now at: www.pocketmags.com/BRM

BEDLAM HEATH

Somewhere in the 'Garden of England' lies a forgotten corner of the Southern Region third-rail empire, modelled by exhibition regular **George Woodcock**.



BR blue 73 140 passes with a Dover-bound parcels train formed of ex-Southern Railway four-wheel and bogie vans. These elderly vans were among the last pre-Nationalisation vehicles in service on BR and were retained until the early-1980s for working newspaper and parcels trains on width-restricted routes on the SR South Eastern Division.



FACT FILE

- ▶ **LAYOUT NAME** Bedlam Heath
- ▶ **SCALE/GAUGE** 1:76 scale, 16.5mm gauge 00
- ▶ **SIZE** 11' x 6' (including fiddle yards)
- ▶ **ERA** 1980s
- ▶ **CONTROL** 12V DC analogue
- ▶ **LAYOUT TYPE** Portable exhibition layout
- ▶ **PHOTOGRAPHY** Paul Bason





Plain blue 2-HAP EMU 6059 calls with a Maidstone-Ashford stopper as push-pull fitted 33 110 rattles through light engine. The typical SR concrete footbridge can be modelled using a Ratio plastic kit or the old Hornby-Dublo die-cast metal model.

It's the summer of 1980 and though the view has a timeless quality about it, in reality Bedlam Heath is undergoing significant changes.



Small details such as manual point levers are often overlooked, but can help to make a yard look more realistic - as demonstrated here.

Bedlam Heath was built in 2006 and is, as the introduction suggests, located in the county of Kent. In reality no such place exists but the layout is based more or less accurately on Lenham, situated on the secondary main line between Ashford and Maidstone.

I made a couple of alterations from the real place to make construction easier and to keep the layout to a reasonable size, and so a new name was required. It's an amalgamation of two place names in the vicinity of Lenham; namely Bedlam Lane and Lenham Heath.

It's the summer of 1980 and though the view has a timeless quality about it, in reality Bedlam Heath is undergoing significant changes. The signalbox and its attendant semaphore signals have been swept away; replaced by colour light signals controlled from Maidstone power box.

The goods yard, which is still occasionally busy enough to warrant the use of a Class 09 shunter sent from Ashford, is due to close later in the year as the wagon-load network is run down and demand for household coal declines.

But for now, it's business as usual with frequent deliveries of South Wales coal arriving in 16t MCV wagons to be unloaded by hand and an elderly JCB piling coal into heaps. An ex-Army Land Rover is used

to make smaller deliveries when the coal lorries are busy elsewhere.

The goods shed is now used by an agricultural merchant and receives regular deliveries of animal feeds from Avonmouth as well as fertiliser from Heysham and Severn Beach. There are also less frequent deliveries of seed grain and seed potatoes mainly in the early spring. These products are carried in 12t VVV and 'Vanwide' vans. Motive power is usually from the home fleet of Class 33s or Class 73 electro-diesels.

Bedlam Heath station is only manned during the morning peak to cater for London-bound commuters, although there are not too many of them. Passenger services consist of trains from Ramsgate, Canterbury and Ashford to London and Dover, Folkestone and Ashford to London and local services shuttling between Maidstone and Ashford. The former are dominated by 4-CEP express units, while the latter are in the hands of 2-HAPs. Occasionally a Class 205 'Thumper' DEMU will make an appearance too.

As well as freight trains serving the yard, there are through freights including traffic from the Continent which has arrived in the UK via the Dover train ferry. Parcels trains from Dover and Ramsgate to Maidstone and London consist largely of Mk.1 vans hauled by Class 33s or Class 73s as well as Class 419 Motor Luggage Vans (MLVs) which had by this time been

3



4

SOUTH EASTERN DIVISION ESSENTIALS

LOCOMOTIVES/MULTIPLE UNITS

- ▶ Class 09: Graham Farish (N), Bachmann/Hornby (OO), Dapol (O, due 2015)
- ▶ Class 33: Dapol (N, due late-2014), Hornby RailRoad (OO), Heljan (OO & O)
- ▶ Class 73: Dapol (N), Hornby (OO), Dapol (OO, due 2015), PRMRP Kits (O)
- ▶ Class 205 DEMU: Bachmann/Kernow Model Rail Centre (OO), Peter Clark Kits (O)
- ▶ Class 411 4-CEP: Graham Farish (N), Bachmann (OO), Westdale Kits (O)
- ▶ Class 414 2-HAP: DC Kits (OO), Peter Clark Kits (O)
- ▶ Class 416 2-EPB: BH Enterprises (N), Bachmann (OO), Peter Clark Kits (O)
- ▶ Class 419 MLV: Electra Railways Graphics (N), Bachmann (OO), Peter Clark Kits (O)
- ▶ Class 423 4-VEP: BH Enterprises (N), Hornby (OO), Peter Clark Kits (O)

ROLLING STOCK

- ▶ Ex-SR PMV/CCT 4w vans: Dapol (N & OO), Bachmann (OO, due 2015)
- ▶ Ex-SR 'Van B' bogie van: Dapol (N, due 2015), Hornby (OO)
- ▶ BR 16t MCV wagons: Graham Farish (N), Bachmann (OO), Lionheart (O)
- ▶ BR 12t VVV vent vans: Graham Farish (N), Bachmann (OO), Skytrex (O)
- ▶ BR 'Vanwide': Parkside Dundas kits (OO & O)

KEY DETAILS

COLOUR LIGHT SIGNALS



George has modelled his station just after it was resignalled with multi-aspect colour light signals - a changeover that occurred nationwide during the 1970s and 1980s. Several companies offer working 4mm scale colour light signals, including Eckon-Berko, Traintronics and Absolute Aspects. Dapol also plans to release ready-to-use colour lights in 2015.



TOP LEFT: Heavily modified Lima 33 027 *Earl Mountbatten of Burma* waits in the Up loop while 09 022 shunts coal wagons in the yard. The 33 has been re-powered using a Heljan chassis.

ABOVE LEFT: Unrefurbished 4-CEP 7113 pauses with a London to Dover working. The 750V DC third rail, assembled from Peco components, is evident in this view of the main line.



Motor Luggage Van 68003 scuttles into the dark, bound for Maidstone, as 33 212 enters the yard. The road overbridge has been modified over the years with stone, brick and steel girder construction for different sections.



displaced from the Victoria-Dover boat trains and were increasingly being used for parcels traffic.

These unique vehicles could draw power from the 750V DC third-rail or onboard batteries, which gave them the facility to travel over non-electrified lines for short periods.

Other types of train passing through include those belonging to the Civil Engineer's department carrying spoil and ballast to and from various yards, including Tonbridge West Yard where an awful lot of old rubbish used to end up.

Locomotives and rolling stock are the usual mix of kit-built and ready-to-run. Some of the latter have been heavily re-worked and repainted and all the stock has been weathered to a greater or lesser degree. The Class 33/0s are super-detailed Lima bodies fitted to Heljan chassis; the reason for this is that Heljan got the shape of the cab ends wrong first time around. It later corrected this on the Class 33/1 and 33/2 versions and has only recently corrected the Class 33/0 (see April 2014 issue of **BRM**). I undertook the work on the Lima bodies many years earlier and it was a simple matter to swap them over as the Heljan chassis is superb.

**..frozen in
time on that warm
summer's day
in 1980...**

The fiddle yards at either end of the scenic layout are merely open frames which support cassettes. These are made of softwood sides fixed to a 6mm plywood base of the same thickness as the ply used on the scenic boards. The track used on the layout and cassettes is Peco Code 75. Code 100 fishplates soldered to the ends of the track in the cassettes simply plug onto the track on the main boards. It is a simple and reliable system that I first saw used by my good friend, the late Keith Wright, on a small demonstration layout.



That then is Bedlam Heath as it is and always will be; frozen in time on that warm summer's day in 1980. Nostalgia isn't what it used to be but at least railway modellers have a better chance than most people of living in their own little world.

As ever I would like to thank Richard, John, Dave and Simon aka 'The Wrecking Crew' for their constant support and help at exhibitions and a very special thank you to Paul Wade, without whose help and advice the layout would never have been built. **BRM**

KEY DETAILS ADAPTING A REAL LOCATION



An overall view of the layout looking towards the Ashford end, highlighting its compact nature. Modelling in a small space often requires compromise, but doesn't have to mean that realism is forgotten.

- ❶ I omitted the Down loop as only a tiny fraction of it would have been visible.
- ❷ The bridge at the Maidstone end of the station has been moved half a mile closer and is a completely different construction to the existing modern concrete structure. I think my version looks better and is more suited to the area!
- ❸ The scenery goes behind the fascia board in an attempt to give the illusion of the landscape continuing.
- ❹ The goods yard at Lenham was larger and the coal yard was much smaller and in a different location.
- ❺ The corrugated goods shed had two tracks under the lean-to instead of one. The shed at Lenham still exists, as does most of the goods yard, although it is

now used by an asphalt company.

❻ The other glaring omission is that there is a bridge at the Ashford end which would have made a convenient scenic break but I decided to omit it as it would have needed an extra baseboard to accommodate it. Instead I decided to appeal to the sophistication of my audience by using a row of trees, (which do exist in reality), as a screen and to show that layouts don't have to have the handy tunnel or bridge to achieve an effect. I have thought over the last couple of years of building the bridge but I always seem to think of a reason not to.

❼ The final liberty has to do with the year in which it is set; the semaphores and signalbox at Lenham actually lasted until 1984 but no-one else seems to have noticed that yet!



Between the station and the goods yard is a loop, allowing EMUs to overtake slower trains such as 33 027 with its rake of 'Grampus' wagons loaded with spoil. MLV 68003 rushes through *en route* to Ramsgate.



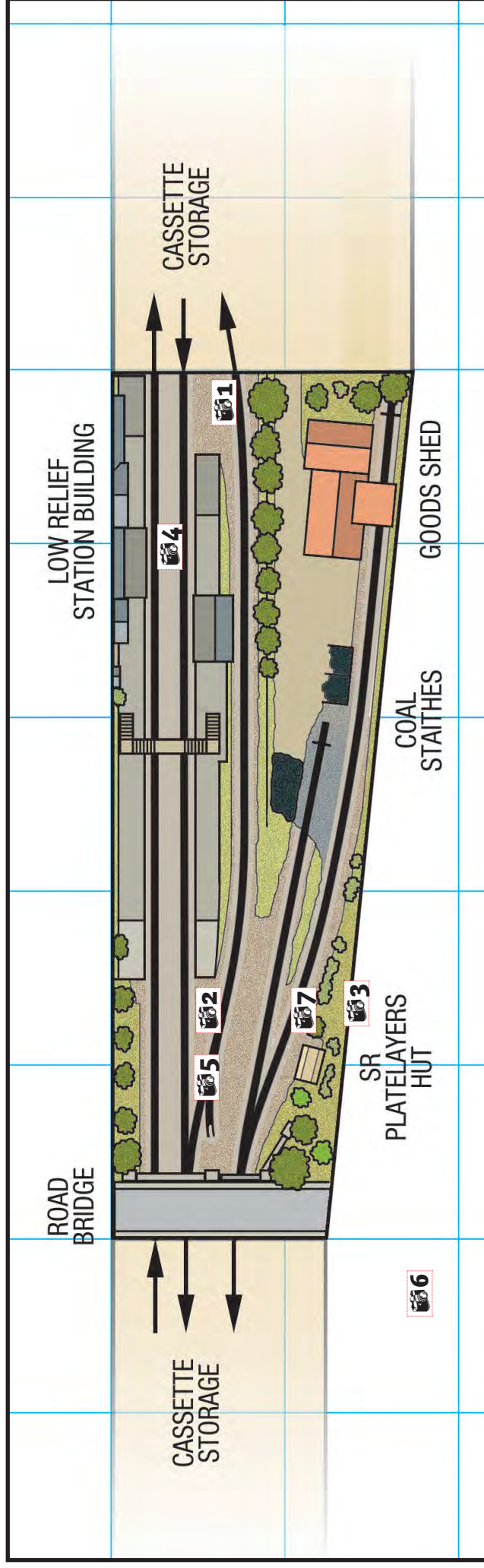
Another short engineers train heads for Ashford behind 33 017, taking a 'Mermaid' tipper and an open wagon to Chart Leacon works for repair.



Not much room for manoeuvre in yard with the Class 09 waiting to remove some empty vans as the MCV coal wagons are unloaded.



Hastings gauge 33 212 – a Heljan model – ticks over in the yard while 09 022 shunts 12t vent vans into the shed for unloading.



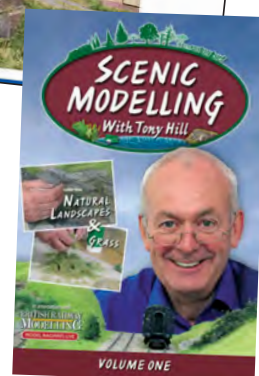
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FIT & USE BK COUPLINGS

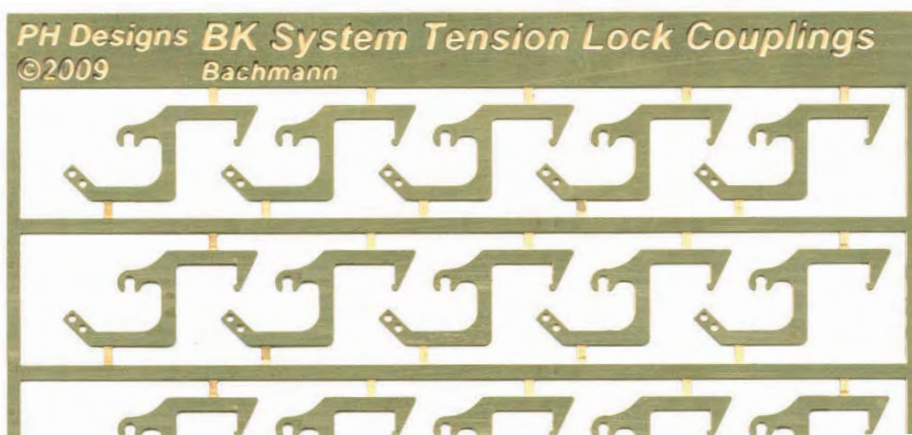
In his latest look at alternative coupling systems, **Phil Parker** tries the BK System tension lock couplings from PH Designs.

Last month I looked at Sprat & Winkle couplings, which are just like standard tension locks, but with the advantage of being uncoupled by invisible magnets. Their disadvantage is that you need to replace all the couplings on your stock to get the best out of them - fiddly and time consuming.

Converting standard tension locks to magnetic uncoupling has been a popular challenge for at least 40 years. Various systems have been promoted but most rely on the modeller making their own modifications, one hook at a time.

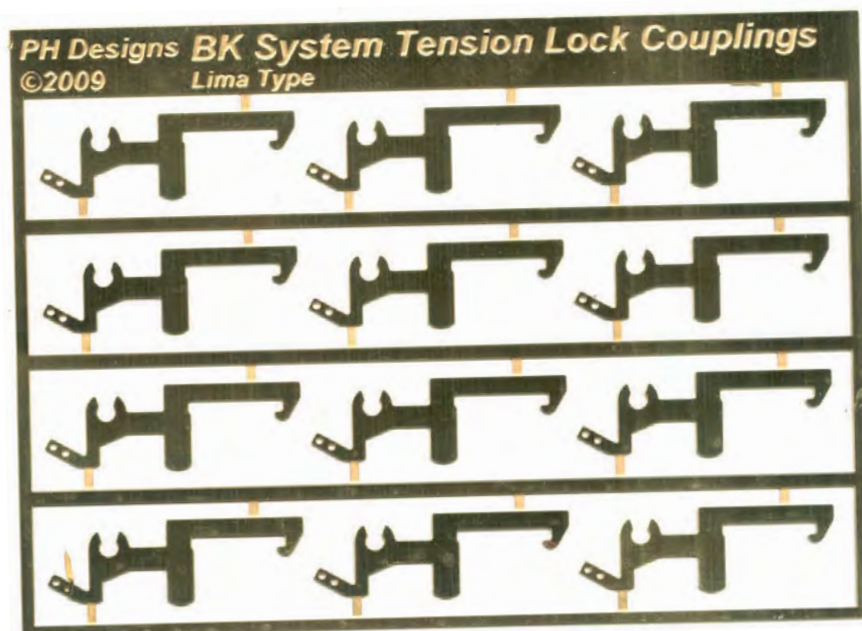
Back in 2007, Brian Kirby posted details of his experiments on **RMweb** (bit.ly/1hJTzAN). In essence, he added a steel tail to the dropper part of a tension lock. The tail stuck out under the locomotive, wagon or coach, and was attracted by a magnet under the track, pulling down and lifting the hook. It was neat and effective but still required some fiddly work for each vehicle.

A couple of years later, Andy York found himself reviewing a modified version of Brian's system



Above The couplings are supplied etched in brass on a fret. A heavy craft knife is needed to cut through the half etched tabs to release each hook. These are the modern Bachmann replacements.

Below An alternative etch to replace older Lima couplings. Note the very different shape required.



produced by PH Designs (<http://bit.ly/1nERGUS>).

PHD produced etched hooks, complete with tails, that replace the original components. The modeller has to add something steel for the magnet to grab, but a pair of holes is included in the tail for a looped staple.

To accommodate different manufacturers' coupling designs, there are versions for Bachmann, Hornby and Lima mounts. The Bachmann version will fit some Dapol stock as well, like the GWR van shown here.

A perfect solution? Well, it's certainly quick and easy to change the hooks. Your stock remains compatible with other tension lock fitted items too, so if you run your models on other layouts there shouldn't be a problem.

In use, I've found the etched hooks have quite a bit of sideways slop in the couplings. The brass is 0.4mm thick compared with the 0.6mm thick original hooks. This might not sound a lot but if it causes a problem, adding a sliver of plastic card or brass shim on the side of the pivot will cure it. They also don't grip the pivot point like the originals, so they can fall out if you turn your stock upside-down.

While conversion incurs a cost for the hooks, there is a saving with uncouplers. A pack of bar magnets from a craft shop cost me £2.99 for eight, about the same as a Hornby uncoupling ramp!

If invisible, hands-off, uncoupling is your goal and you have too much stock to change everything over,

STEP-BY-STEP GUIDE

"If invisible, hands-off, uncoupling is your goal and you have a lot of rolling stock to change over, this is well worth a look."



To give the magnet something to grab hold of, a staple is bent to form a loop that will fit through the tail of the coupling.



A BK coupling fitted to a Bachmann brake van. The new hook simply replaces the original item, you don't even have to remove the plastic couplings to make the change, just unclip the old hook.

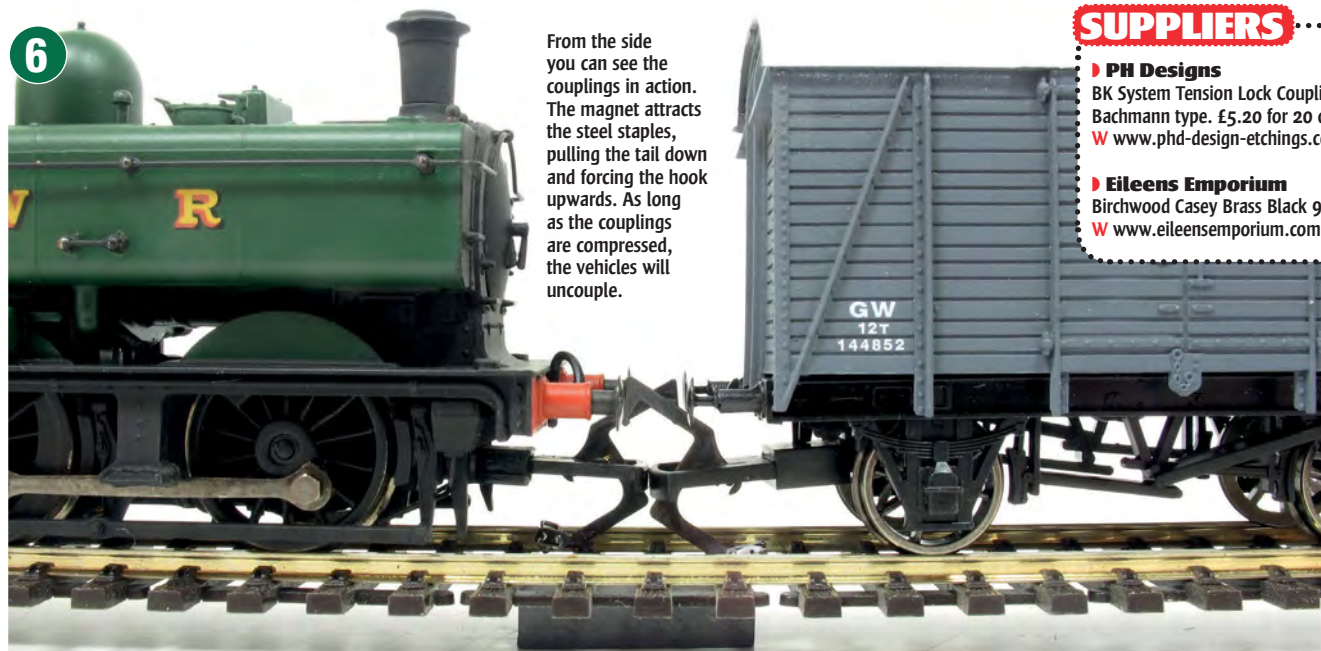
3 Raw etched brass is obtrusive under rolling stock and painting the metal won't work very well – the paint will chip in service and if you aren't careful, can gum the whole thing up solid. The solution is to dip the couplings in Birchwood Casey Brass Black which will chemically colour the metal.



As you can see, Brass Black only works on the brass bits, leaving the steel staples untouched. A touch with the paintbrush and some matt black paint will be fine here as they don't hit anything, so won't chip, nor are they near any moving parts so can't gum up.



Cheap 2cm long bar magnets are fine for uncoupling and can be hidden under the sleepers. If your trackwork is already laid, find a magnet that fits between the rails, cut away the sleepers and dig a little trench in which to bury it. Replacing the sleepers and re-ballasting should leave it invisible.



From the side you can see the couplings in action. The magnet attracts the steel staples, pulling the tail down and forcing the hook upwards. As long as the couplings are compressed, the vehicles will uncouple.

SUPPLIERS

► **PH Designs**
BK System Tension Lock Couplings – Bachmann type. £5.20 for 20 couplings
W www.phd-design-etchings.co.uk

► **Eileens Emporium**
Birchwood Casey Brass Black 90ml – £10.00
W www.eileensemporium.com



AN OLD LIMA VAN

With the price of new models increasing, **Ben Jones** looks at simple and cost-effective ways to give an old Lima LMS parcels van a fresh lease of life.

It's fashionable to criticise Lima products from the 1980s and 1990s (I know, I've done it myself!) but there are plenty of items out there that can still play a role alongside more sophisticated 21st century rolling stock.

One good example is the long-obsolete LMS 42' General Utility Van (GUV), issued in 1980/83, but never subsequently produced, either by Lima or Hornby. In many respects it's a decent representation of the prototype, but it does have a few flaws. Fortunately these can be rectified relatively easily, making it an ideal detailing project for the less confident modellers among us.

I've had my eye on it for some years, but a shortage of models in the second-hand market made them expensive, especially those in good

The model shown here was obtained for £10 from a stall at a show. Although it's not in perfect condition, it's ideal for what I wanted to do.

condition. The model shown here was obtained for £10 from a stall at a show.

Although it was not in perfect condition – there was a buffer missing and the paintwork was fairly tatty – it's ideal for what I wanted to do. Objective No. 1 complete.

The major failing of the Lima model is that existing BR Mk.1 bogies were used, rather than the LMS bogies it should ride on. Thanks to Bachmann, Replica Railways and Hornby there is a ready supply of LMS 9' wheelbase RTR bogies as they're used on the models such as the 50' BG and Stanier Period III coaches. For the purist, the bogies are also available in kit form by Comet Models.

Both the Lima and Bachmann/Replica bogies are a similar clip fit design; could they be a

straight swap? Was this too much to ask? Of course it was! However, with a little tinkering they were made to fit and work reliably.

Rather than try to replace the missing, and fairly crude, plastic buffer, a set of whitmetal LMS buffers was sourced from Comet Models for £2.50, which also made me aware of a useful set of underframe detailing parts for LMS coaches (UCM1). For an extra £4 this seemed too good to miss and helped to make the end product better than I'd originally intended.

As the crimson and cream van is destined for a late-1950s/early-1960s parcels train, it doesn't need to be in ex-works condition, so the bodywork was left untouched. This saved the time and expense of a respray and new transfers and meant that the job could be completed in a little over two hours – an ideal evening project.

Now all that's left to do is find and fit a pair of replacement handbrake wheels on the underframe. **BRM**

IMPROVED LIMA VAN



The completed GUV. A little weathering and it will be ready to take its place in a 1950s parcels train.

STEP-BY-STEP GUIDE

1



A set of replacement whitmetal LMS parts from Comet Models, a pair of Replica Railways 9ft wheelbase bogies and some simple tools are all that is required for this project.

4



Once whitmetal parts are dry, give them a quick coat of satin black aerosol and leave to dry. Check with prototype photographs (Paul Bartlett's wagon site is a good source) for positioning of parts.

7



Use a pin vice with a 0.75mm diameter bit to drill a hole in the bufferbeam. Test fit your buffers as you go to ensure a flush fit. Fix in place with cyano glue or Evo-Stik Impact. Weather and paint as you see fit.

8



With your new buffers and underframe equipment in place, test-fit the bogies again and add couplings of your choice. Once the glue is dry, marshall it into a train and check that all is well. The advantage of using RTR bogies is that you know they'll be square and free-running.

2



Clip off top of buffers carefully. These GUVs needed clipped round buffers as they had end doors and flaps for loading motor vehicles. The flap hinged down across the top of the buffers. Tidy up and spray whitmetal parts with grey Halfords primer. Leave to dry.

3



Test fit Replica bogies. The clip is slightly too large for the Lima hole. Open out the hole gently with a reamer or needle file and slim down the clip of the new bogie with a flat file. File and check repeatedly as you go.

5



Remove moulded underframe parts with a sharp craft knife. Trussing is a separate unit that can be unclipped. Only remove the ones you're comfortable with and that you know have whitmetal replacements for. The GUV underframe is already well detailed so you could omit this stage.

6



Remove buffers with a pair of side cutters or, as I did, with a pair of Xuron rail cutters. File away any excess plastic flush with the bufferbeam and mark the position of the buffers ready for next stage.

TAKE IT FURTHER...



If you want to take your detailing further, there are lots of options for the keen modeller. One change that can make a significant visual difference is a set of new whitmetal roof ventilators from Comet Models. Other possibilities include flush-glazing, a complete new underframe, finer kit-built bogies and separate door handles. However, the more moulded detail you remove, the greater the need for a complete repaint.

SUPPLIERS

► LMS bogies

A Replica Railways, Unit 46, BSS House, Cheney Manor, Swindon SN2 2PJ
T 01793 642 594
W www.replicarailways.co.uk

► LMS coach detailing parts

A Comet Models, 'Charnwood', Firs Road, Ross-on-Wye, Herefordshire HR9 5BH
T 05602 602 188
W www.cometmodels.co.uk

MEET THE BRM EXPERTS

WHAT THEY'VE BEEN UP TO THIS MONTH



BEN JONES

It was genuinely exciting to see the first parts of my layout - the baseboard tops - being cut out by high pressure waterjet recently. Look out next month for a short article on how they were designed and produced.



RICHARD WILSON

An enjoyable weekend at the Lancs & Yorks DCC Group's show at the Manchester Museum of Transport where I weathered another selection of RTR wagons. Really must get around to building some!



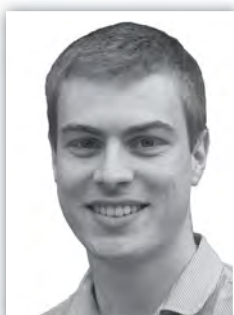
ANDY YORK

I'm busy trying to see just how much can be packed inside a Hornby Sentinel at the moment, so far I've come up with an empty cab with space for a sound decoder and speaker, flashing lights and a dummy diesel engine beneath the bonnet.



PHIL PARKER

Outside it is sunny and warm, ideal for spending a few hours watching trains on the garden railway or getting out to see the prototype. After building a Manx cattle wagon, I've booked a trip to have a ride on the real Isle of Man railways.



HOWARD SMITH

One of this month's many projects included progressing with Jim McGeown's mammoth etched brass Queen Mary brake van kit. This 7mm monster he believes is his best yet - a statement that I'd quite happily vouch for!

YOUR BRM

QA

Top advice from our modelling experts



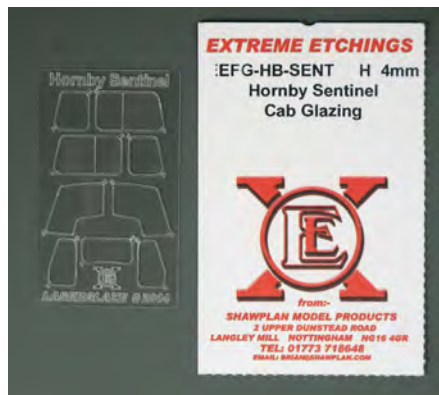
SENTINEL AT THE WINDOW



I'm currently detailing some old diesel locomotives. This means extra pipework and bodyside alterations, as some of my models are quite elderly. I can change all these parts, but I struggle with the glazing. Most of my

models have thick glazing (some don't have any at all!). I'm trying to cut around the curves and use transparent Perspex sheet - glued into place, but this isn't so easy and my attempts don't look great. Can you help?

Bob Roberts, York



WHAT'S IN A NAME?



I'm new to the world of model railways and was thinking that a way to ease myself into it would be to start small by creating a custom nameplate for a OO gauge DRS Class 66 locomotive. I have seen several companies that provide them but they all seem to be for pre-determined names. I would like to make a wholly original one for mine (nothing fancy, just the standard rectangle you can find on any working diesel). Are there companies that do this that I haven't noticed or would I have to do this myself? If so how?

Stuart Adams-Huset

Richard Wilson says: The first person that comes to mind is Gary at 247 Developments, Seven Acres, Meltham Rd, Marsden, West



Nameplates can be quite unusual as with Class 37 – fifty fitted to DRS 37 601 at the Mid-Norfolk Railway event to celebrate the half-century of the class in 2011. Richard Wilson

Yorkshire, HD7 6JZ Tel: 01484 840998
www.247developments.co.uk who should be able to produce the type of plate you require.

Phil Parker says: Hello Bob! There is another way! As an example, the Hornby industrial Sentinel has been very well received but most reviewers have commented on the thick glazing and suggested that a replacement to refine this would be welcome.

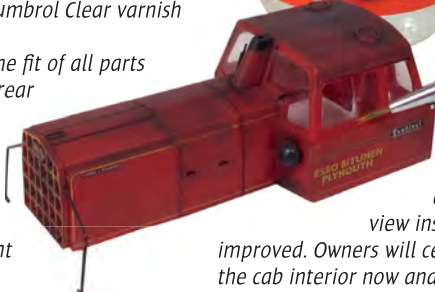
Shawplan have come to the rescue with the latest in the Extreme Etchings laser-cut glazing range which now covers most diesel locomotives. Each kit is a set of window panes cut with amazing accuracy to fit the openings in the sides of ready to run models.

After levering out the Hornby glazing with small screwdrivers inside the cab, each replacement pane is placed in the opening and secured by running some Humbrol Clear varnish around the edge.

For the Sentinel model, the fit of all parts was perfect apart from the rear cab doors where they were a fraction small. Several applications of varnish solved the problem, but it made me wonder if there are differences in paint thickness on the models.

Secure the panes into place using clear varnish such as Humbrol 'Clear'. This will avoid creating unsightly marks on or surrounding the windows.

The end results are amazing and the view inside the cab is greatly improved. Owners will certainly want to paint the cab interior now and fit a driver figure.



PULLING MY WHEEL



I recently bought a video on trouble-shooting and fault-finding from Activity Media Ltd.

It's very good, but one of the presenters used a gadget that intrigued me. He called it a 'wheel-puller': it had two jaws designed to grip the back of a wheel while a central screw bore down on the axle end, pulling the wheel out on the axle to correct the back-to-back measurement. I've been unable to trace anything like this in the trade. Do you know if anyone makes them, or was this a home-engineered job?

Tony Wilmore.

Richard Wilson says: What you're after is the wheel puller from GW Models at 1 Croshaw Close, Lancing, West Sussex BN15 9LE Tel: 01903 767 231 (no website).

TREADING THE BOARDS



Firstly may I say a big thank you for a great magazine, which I read from cover

to cover religiously every month and will continue to do for as long as possible.

Having a permanent N gauge layout in the garage, incomplete as to date (but whose layout ever is?) I am thinking of building a new layout in HO/00 gauge. With this in mind my question is as follows:

In the March 2014 edition, in the article with regards to Peterborough North, on page 34, a photo at the left hand bottom of the page showed the layouts baseboards being constructed.

My question is, what is the material called that was used for the supports of the boards? This seemed to be in sheets with cutouts - are these readily available or are they specially made for the client? They seemed to be easily workable and lightweight; a trade name or source will do.

Ian Temlett, Cape Town

Richard Wilson says: The baseboard modules you were looking at were produced by a company called Brilliant Baseboards. Sadly, the owner of the business has since passed away and the range has not been taken up. A company which may be able to assist you is Model Railway Solutions www.modelrailwaysolutions.co.uk Email: info@modelrailwaysolutions.co.uk



MORE OF
YOUR
QUESTIONS
OVER THE
PAGE

YOUR BRM & QA

HAVE YOUR
QUESTIONS
ANSWERED BY
OUR EXPERTS

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QUESTION YOU WOULD LIKE
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brm@warnersgroup.co.uk
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READY, STEADY...PAINT!



A pair of ready-finished house groups in both stone and brick - the brick row features rear yards.

Q&A

With the demise of the Hornby Lyddle End range, it's getting difficult to find 'Ready to Plant' buildings with just the Bachmann Scenecraft range available. Are there any other options?

Fred Williams, Hertford

Richard Wilson says: Yes, there's the option of using the painted or unpainted buildings from Lilliput Lane. These are a ready supply of a wide range of buildings suitable for towns or villages which can be personalised as necessary. The buildings can be supplied ready factory painted or in unpainted base

material (a form of stone powder). The buildings themselves are quite delicate and can be accidentally chipped if not careful. The factory painted buildings are supplied with an all over colour wash and some of the finer details, like windows, separately applied.

As mentioned above, all these buildings can be personalised by anyone with access to some spray primer - here I'm using white primer from Modelmates and acrylic (or enamel) paints.

Even with my less than perfect painting skills, the buildings can be repainted and altered to suit the era and circumstances of your layout. The only fiddly part is the windows - I can see why they are supplied finished on the ready-to-plant versions!



The unpainted buildings as supplied - compare these with the next group. The buildings have been given an even coat of white primer. Make sure you do this in a well-ventilated area - the garden in my case!



Right I've changed the stone finish of the school and introduced more relief to the windows. While on the subject of windows, with a solid structure such as these, a coat of matt or satin finish black works best.



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ISSUE? WHY NOT
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There's also the option of corner shops as well as an attractive little post office model.



Above The row of houses get a lighter, more honey-coloured stone and the doors and windows painted white for a less multi-coloured look.



Useful Information

Liliput Lane 'Full Steam Ahead' N gauge models are priced between £10 - £25 depending on size and finish.

For more details visit:
www.liliputlane.co.uk

CUTTING CORNERS



As explained above, on the BRM project layout 'Edgeworth', Phil Parker has used small strips of PCB on the track over the baseboard joints to which the rails have been soldered.



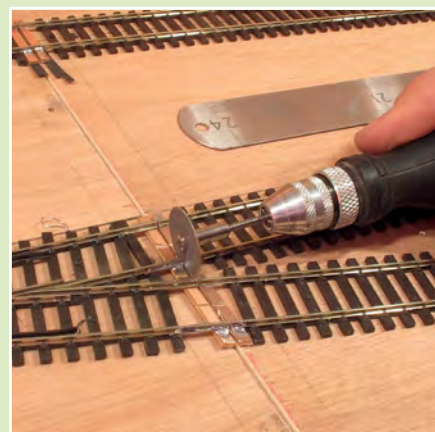
I am in the process of designing an N gauge (code 55) portable layout, and currently trying

to come up with the best arrangement of baseboards to suit my track plan. The intention is to make most of the boards around 120 x 45 cm and use bullet dowels to align the boards.

At the corners where two boards form an 'L', I want to have large radius curves, but the track must then cross the joint between two boards at about 45 degrees. I seem to recall reading that it is best for track to cross joints perpendicular to baseboard joints. Advice please.

Graham Davison, Sevenoaks

the joint before it is cut) – you can always add 'mock' sleepers with thin card later. I co-own a OO layout where all the track is on a curve and so far (touching wood) we've had no problems with track over baseboard joints.



The track, once firmly anchored to the strip, can be cut with a saw or slitting disc as seen here.

Richard Wilson says: Ideally, it would be great for all track over joints to be at right-angles to the gap, but this is not always possible. You will need to make sure that the track is fixed extremely rigidly over the joint and the baseboard joints are true. To fix down the track in N gauge it would probably be best to remove the sleeper and solder the track direct to a piece of copper-clad PCB board glued over

THE BRM GUIDE TO BUILDING YOUR FIRST LAYOUT PARTS 1, 2 & 3

If you missed any of these



DOWNLOAD

the January, February and March 2014 issues of BRM which included these **FREE** supplements on the construction of a simple model railway layout.

www.model-railways-live.co.uk/digital



2014 PROJECT LAYOUT

Starting next month, Telford Railway Modellers Group and BRM are working together to produce 'Stokesay' - a new N gauge project layout based on Cravens Arms in the 1980s. Look out here and on **RMweb** for regular updates from the team.

YOUR
BRM

READERS'

Here's your chance to have your layout or latest project highlighted in the pages of **BRM** for all our readers to enjoy. Send your photos and text to the address below. We look forward to receiving them!

LEAMSIDE

**STAR
LAYOUT**



To date I have spent some seven years building Leamside station, near Durham. It measures 16' x 16' on a hollow square section of steel legs and top; very expensive, but well worth the initial outlay. Baseboards are 3mm plywood – very easy to work with. Track is all finescale, painted and ballasted. Colour light signals are operated by rotary switches. Everything

is BR 'blue era' stock and Class 24, 25 and 20 locomotives.

Running is superbly smooth using conventional electrics. Maximum power is 8V DC, all smoothed-out for slow running. Points are capacitor operated via push switches.

Home-made track cleaners are hooked up to the rear of each set, so the track is permanently clean.

A large mimic control panel sits in the middle of the layout with white/black/white ivory finish.

I don't run it very often, sometimes just a quarter of an hour each month, but it never fails to work well. This, I am sure, was the result of a lot of pre-planning and very careful installation from the very outset and it still gives me a lot of pleasure.

Doug Collins, Durham

LAYOUTS

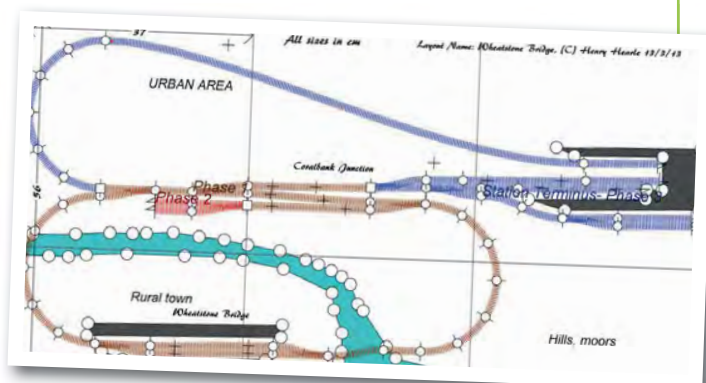


TIME FOR T

I believe this could be the first T Gauge layout to feature in **BRM**. The layout is set in a fictional part of Highland Perthshire in Scotland and is modern image, although there will hopefully be a few Andrew Barclay 0-4-0STs shunting the distillery sidings in due course.

The layout is very much a work in progress. Phase 1 is not quite complete, but it should be ready for its exhibition debut soon. Phases 2 and 3 will come later! If you want to keep up with the latest development, there is a blog for the layout (which I have yet to update with the most recent photographs!) at wheatstonebridgemodelrailway.blogspot.co.uk

Henry Hearle



EURO SIGHTS

I have been a Commercial Conductor on South West Trains for the last 23 years and my life-long hobby has been railway modelling. My two-tier 15' x 8' layout seeks to incorporate several stations with representative scenes and local landmarks and has changed over the years. It now represents York, Ashford, Crewe and Brighton stations together with some of the features of Paris (Moulin Rouge), Disneyworld, the Eiffel Tower and Notre Dame, Dawlish Warren and London (London Eye, Canary Wharf and London

Zoo). Of the 58 locomotives operating, my main interests are Virgin Trains (Voyager, Pendolino and Coach Express), LNER (A4, A3 and A1/2), the German 'Rheingold' Express and UK/French Eurostar.

John Lewis, Godalming.



DON'T FORGET

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PE10 9PH

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brm@warnersgroup.co.uk
and title your email
Readers Layouts

Share your layout, projects and opinions with other **BRM** readers...

THIS MONTH'S STAR LETTER

Thank Cliff Parsons for his response about AIMREC (June issue). It would be great if this project succeeds. I was not, incidentally, suggesting that the project itself was premature.

It was good to learn that the AIMREC proposal has got as far as site purchase, has thought many things through, and is backed by some well known and weighty trustees. However a few questions remain. Potential supporters might welcome more clarity about AIMREC's status and aims. Is it going to be set up as an educational charity (as suggested by the **BRM** March article, the website and the appeal for individual donations)? Or is it a commercial venture backed by investors who hope to make a profit? Alternatively, if it's a mixture of both, how will this be handled to safeguard the interests of all parties? Clearly some millions of pounds will be needed for the site purchase; a new building on this scale; its fit-out and contents; and the proposal to employ over 30 staff. The team and its eminent trustees have taken on a fabulously ambitious project.



Automation would provide a way to get trains moving for visitors; though it will not match the spectacle on exhibition days when AIMREC operators run trains as each layout's creator intended. Let's hope that the redesign of layouts for automation can be done without losing too much of their character; and that the team can also rise to the challenges

in troubleshooting, and dealing with rapid wear on elderly vehicles and track.

The National Trust's *modus operandi* (paid staff being supported by volunteers) should work if AIMREC obtains charitable status; and if suitable volunteers come to Ashford when needed. I volunteer for the NT and other conservation bodies. An adequate supply of volunteers can't be taken for granted. It takes management effort to recruit people, train and schedule them to provide adequate cover for the work. Early enthusiasm may not translate into continued long-term attendance.

I look forward to the TV coverage - it should be fascinating. It could almost fit into the *Grand Designs* format; a hugely ambitious plan, doubters to overcome, big expenses to meet, new technical challenges needing innovative solutions, and finally let's hope a triumphant outcome!

Nigel Watson, by e-mail



STAR LETTER

GARDEN OF DELIGHT

I returned to the hobby after leaving it in 1984 as a 14 year old who was finding other 'distractions'. Thirty years later, I found myself on eBay and feeling somewhat nostalgic, I found myself bidding and winning the same R689 freight set (mint in box) that I was given in 1979.

The simple oval had me transfixed, and over the following few months I somehow went from a small oval on the kitchen table to a full blown DCC and live steam OO layout in the garden.

See craigsgardenrailway.blogspot.com and videos are up separately on <http://vimeo.com/palitoyp/garden-railway>

I wasn't quite prepared for just how compelling OO would be as I'm not really a train buff. But I do like the fact that the time spent in the garden is a great way to unwind after long days on film sets where I work with the visual effects department.

Craig Crane, by email



LETTERS



PROTOTYPE ARTICLES PLEASE!

I took out my subscription to **BRM** about four years ago because of the free airbrush. At the next Glasgow show I bought a compressor and I am pleased to say it, and the airbrush, have given sterling service and allowed me to create results I only previously dreamed off.

But what of **BRM**? At first I was pleased but then noticed a lack of prototype information. Lots of layouts and 'how to do it' articles and reviews but it seemed in danger of being rather derivative in that lots of layouts looked a bit like a copy of something else.

There were layouts that looked like a model of a real railway and what an inspiration they were. But others looked like a copy or amalgam of another layout or layouts and a bit like making a photocopy of a photocopy, something gets lost along the way even though each was a credible model in its own right.

I wrote to **BRM** to say that we should not lose sight of the fact that we are modelling the prototype and the magazine was rather lacking

in prototype information. My letter was not published but perhaps it was not unnoticed. **BRM** now includes more and more prototype information, such as the article on Blue Circle cement wagons in the June 2014 issue and LMS Garratt History and 'Ale By Rail' in May. But dare I ask for more? Scale drawings of rolling stock and locomotives would be nice. How the real railway operated would be even better. Signalling, station layouts, freight handling, parcels traffic, pick up goods, lineside fencing, level crossings. These are things we need to know if we are to model accurately.

It is nice to see other people's layouts and admire what they have done but, I would like to see Prototype Operation features become a firm and valued fixture in every edition of **BRM**.

Colin Tanner, Strontian, Scotland

What do other readers think? Would you like to see more articles on full-size railway subjects and operations, both historical and modern? Contact us at the usual address. - Ed.

ROLLING, ROLLING, ROLLING...

Just reading the May Issue of **BRM** which I find to be a good magazine, however there are a couple of points of issue. Juniper Hill by Mark Branson I found on the whole to be very interesting and a very good model,

However, the Fowler traction engine on the 'Lowmac' is a road roller - a traction engine has four wheels usually made up of two large driving wheels and two smaller steering wheels, a road roller has two driving rollers/wheels and one large split roller for steering,

My other point is in the letters page, where Nigel Watson tackles the AIMREC Project (see left), I have to agree with him on all counts.

For me there are already far too many attractions, shows and museums in the south - who from the north and midlands would travel to Ashford solely to visit a model railway museum? If you were in the area you might possibly visit, but would it get the repeat business to make it viable?

Somewhere like York would be much more sensible; with the National Railway Museum based there you have hundreds of thousands of visitors per year who appreciate something that is railway related.

You might also get the younger generation involved as they could see the real locomotives, rolling stock and associated equipment, then see it in model form or *vice versa*.

Peter Spence, Redcar



facebook

Question of the Month

We asked **BRM**'s Facebook community what they thought about a topical subject. Here's what they said:

With the recent announcement of price rises by Bachmann, there have been suggestions that certain features such as sprung buffers or opening cab doors could be omitted to reduce production costs. Which, if any, features would you drop?

John Spencer They could provide all the separate details for the user to fit themselves. Even if I accept the idea of non-sprung buffers, they should be easy to remove to allow us to easily replace them if desired, (buffers are a part that can easily break off due to their position too). I have no need for opening doors, sliding vents and dials on gauges. But easy access to fit chips, speakers and maintain the model is a must.

Mike Sutherland Don't drop anything, people will pay for quality. By all means though, offset the R&D costs by producing cheaper, less detailed 'toys' to sell alongside the models

Alex Burnham Models have gradually become much more detailed, and more lifelike, while remaining pretty much the same relative price, if compared to incomes. I love the extra details.

Paul James I'd drop the obsession with too much flimsy detail and too many new releases, returning to the days when modellers improved them themselves

Charlie Page The boxes have gotten bigger over the years, surely sending the same amount of product in bigger packaging is going to cost a fair bit more in terms of shipping costs.

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brm@warnersgroup.co.uk and
title your email *Readers' Letters*

WHAT'S NEW?

News and Events from the model railway trade

BACHMANN CONFIRMS



Rising costs have forced Bachmann Europe to increase prices across its range with immediate effect. **Ben Jones** and **Andy York** look at the story behind the headlines.

As expected, the price of Bachmann Europe N and OO gauge models rose significantly in early May, a direct response to the increasing cost of labour, production and shipping. As shown below, the new prices vary from item to item, with more complex items such as modern image wagons and multiple units seeing higher percentage increases than older or simpler to assemble models.

All products from China are bought in US dollars so currency fluctuations

can affect how much a product will actually cost at the point of shipment; add in increases in the cost of raw materials and manufactured components due to continued expansion of 'hi-tech' gadgets and there's pressure from all sides.

Transport and shipping costs have doubled during the worldwide recession as shippers strive to get a return on each container and boatload. Another complication is that the recession has resulted in an overall reduction in demand for model railway products. However, there's

only been a marginal decrease in UK spending since the middle of 2013, part of which may be explained by losing some retailers to economic circumstances.

Bachmann says that it remains committed to upgrading older models to ensure DCC compatibility and the addition of NEM coupling pockets but is questioning what levels of detail the marketplace is prepared to pay for; opening doors and revolving fans could now be prohibitively expensive and sprung buffers are said to increase the RRP of a locomotive by around

£15, a feature which many customers have no need or use for.

Given the above Bachmann says it has, and will continue, to look at the most efficient methods of manufacture to deliver quality products at a reasonable price. One example highlighted was an N gauge product where the buffers could be moulded as part of the body without loss of finesse and to construct the trussing as a single part to reduce labour costs. However, there's no suggestion that compromises will be made in areas such as mechanisms or decoration.



COMMENT Andy York

It was evident from conversations with Bachmann management that until recently costs in the manufacturing process have not been accounted for to accurately reflect the multitude of stages in production and decoration and that it's necessary to re-balance this. Previously published accounts show that the model railway manufacturing side of the business lost money or failed to deliver as those making simpler plastic toys. Therefore this re-adjustment of pricing is necessary to ensure that model railways continue to be a viable business for Kader.

Clearly, this is not the buyer's fault but neither is it the fault of Bachmann Europe as a subsidiary of the group; it simply works with the costs given and generates a margin based on that. So

these price increases are not just about paying Chinese factory workers a fair and increasing wage but also about ensuring that we in the UK have the proper infrastructure and support to deliver planned models and generate sufficient revenue to continue to invest in the R&D of new models. Should manufacturers look to other parts of the world where labour is cheaper just to keep prices low or should we adjust our expectations so that the last 20 years of development of continually improving quality products is not thrown away for the sake of market expectations? We've seen what transferring production from one factory to another can do to a model manufacturer and the angst that it causes consumers so it's apparent that sustainability and dependability now have a price.



GET IN TOUCH If you have a new product that you would like us to feature, send it to Howard Smith by e-mail: howards@warnersgroup.co.uk



PRICE INCREASE



Locomotives such as this new OO gauge Wainwright C Class 0-6-0 have seen comparatively lower increases than some other items.



ABOVE: Despite the price hike, the superb new Bachmann 'Porthole' coaches have an RRP of £39.95; less than the equivalent Hornby Stanier Period III coaches.

BELOW: Multiple units, such as the new '101', are amongst the hardest hit by the new pricing structure.



Example new prices

	current price	new price
E4 0-6-2T	£89.95	£99.95
Class 47	£92.75	£109.95
Derby Lightweight DMU	£114.95	£144.95
BR Mk 1 coach	£28.35	£32.95
7-plank wagon	£10.20	£12.50
Graham Farish Presflo	£12.75	£15.95



TAKING NUMBERS

1,700

of Kader Industries' 4,200 employees returned to their jobs after the last Chinese New Year. New factories in the north of China and higher wages at competing factories are blamed. Training new staff requires time and investment, slowing down the development of new products.

£3

per hour current average wage for Chinese factory workers, rising over the next five years by 20% per year to £6.00 per hour.

6

new items of tooling (three in N and three in OO) will be announced by Bachmann/Graham Farish in July at an event to mark the company's 25th anniversary.

£20

Expected price for a simple 7-plank open wagon if production was switched to the UK, according to Bachmann's Graham Hubbard. A steam locomotive such as an 'A1' would potentially rise by around £100 towards the £250 mark.

188

Individual components in a Bachmann OO gauge Polybulk bogie hopper wagon. Each part has to be designed, tooled, produced, primed, painted and, if necessary, printed before final assembly, packing and shipment.

Competition

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E: doubleo.info@rocketmail.com

T: 01844 291 128

Find out more on

MODEL RAILWAYS LIVE

ADM TURNTABLES

ADM Turntables' new indexing drive system is now on sale. Following extensive testing and research, this revolutionary smooth drive system is sold in variants suitable for gauges N to O.

The bridges are easy to install and can be powered through the full 360 degrees via DC or Digital Command

Control (DCC). This is of particular interest for DCC users as there is no sound loss on locomotives when they're turning. A stepper motor and sophisticated drive system makes the turn very smooth and quiet.

A total of 100 separate indexing positions makes the track alignment very precise. Miniature roller bearings ensure a smooth run on the rotation.

The turntable is operated via a keypad, but can also be configured to run from a DCC system if required. The system works 'from the box', merely requiring installation.

Prices start at £395 for N and OO gauge turntables, rising to £695 for O gauge versions. Prices include the keypad controller, a 12V transformer and operating instructions.



FACT FILE

E: alastair@admturtables.co.uk

T: 01933 411 127

W: www.admturtables.co.uk

DIARY DATES

14

14/15

20-22

Things to SEE & DO in JUNE

GAUGEMASTER G SHOW

Gaugemaster is hosting its second G Scale show at The Engine Shed next to Ford railway station. The event will have layouts and dioramas on display showing products from our garden railway ranges. Free parking and expert help is on hand throughout the day (open 1030-1530)

Address Gaugemaster, Ford Road, Arundel, West Sussex BN18 0BN
T 01903 884488

W www.gaugemaster.com

GAINSBOROUGH OPEN DAY

One of the largest O Gauge model railways in the country. A rare chance to see over 150 classic LNER locomotives and over 400 items of rolling stock running on a total of over half a mile of track. Open 1330-1800 both days.

Address Gainsborough Model Railway, Florence Terrace, Gainsborough, Lincs. DN21 1BE.

W www.gainsboroughmodelrailway.co.uk

GCR MODEL SHOW

Model event across all four stations along Britain's only double track preserved railway. Featuring more than 50 layouts, traders, engineering and second-hand stalls, all linked by regular GCR trains - and all for just £15 per person.

Address Great Central Railway, Loughborough - see website for details.

T 01509 632323

W www.gcrailway.co.uk

E mre@gcrailway.co.uk

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www.brmm.ag/BRMLive3



28/29

28/29

BLUEBELL RAILWAY

Model Railway Weekend featuring a selection of layouts, stalls and miniature railways. A great day out for all the family and a chance to ride on beautifully restored Southern Railway trains between Sheffield Park and the recently opened extension to East Grinstead.

Address The Bluebell Railway, Sheffield Park station, East Sussex TN22 3QL

T 01825 720800

W www.bluebellrailway.co.uk

PERTH MRC SHOW

The biggest club-run exhibition in Scotland. A selection of high quality layouts from throughout the UK, some appearing in Scotland for the first time. Excellent trade support and a good venue close to Perth railway station.

Address The Dewars Centre, Glover Street, Perth PH2 0TH

W www.perthmrc.com

E exhibitionmanager@perthmrc.com

MULTIPLE SCALE BACKSCENES FROM QUALITY BACKSCENES

Quality Backscenes is a series of multi-scale backscene images ready to use on your layout.

The original scenes are hand-painted in oils before being stitched together and printed on high-quality 160gsm roll paper. The backscenes can be made up to 4m long and 30cm high

and are intended for layouts, dioramas and children's playrooms.

For further details and prices visit the website.

E: studio@qualitybackscenes.co.uk

T: 01189 599 844

W: www.qualitybackscenes.co.uk



N GAUGE SOCIETY KIT

Now available is a KSA NACCO timber carrier kit tooled by Parkside Dundas with colour components to make painting easier. Kits are priced as follows – one kit: £15.55, three kits: £44.40, five kits: £70.00 and 10 kits: £132.50.

Each kit includes one-piece moulded Y25 bogies with clip-on NEM sockets and is supplied with standard Rapido type couplers, but others can be fitted. Etched detail parts allow for three different end styles to be selected – transfers are included.

The wagons were built in 1995 for the transportation of Rover car parts. In 2011 a batch was converted for use as timber carriers by removing the sliding hoods. The wagons are now used by Colas on timber traffic to Chirk.

CONTACT

E: bando60103@aol.com

T: 07803 229 406

W: www.ngaugesociety.com



SPECIALIST SUPPLIERS

5 NEW ITEMS FOR YOUR LAYOUT

4MM SCALE GAUGES FROM PH DESIGNS

PH Designs has released two new gauges that will be of use to 4mm scale modellers. The W6 gauge (smallest of the current British loading gauges) at £3.60 plus P&P features the full profile, not just the roof top level. Projections on the bottom are spaced for gauges OO, EM or P4, allowing you to correctly check tunnel mouths, bridges etc.

The smaller device measures platform height from rail top, the 6ft way and 16.5mm track gauge and costs £3.00 + P&P. Both are etched in 0.5mm brass. More information is available on the PH Designs website.

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



FIRST NEW O GAUGE PRODUCTS FROM SKYTREX (2013) SINCE TAKEOVER

The first new O gauge items have been added to the Skytrex range since the takeover and re-launch of the business last year. A 2-bay north-light shallow relief roof section pack (ref: smrs 43) and single storey shallow relief return walls for the north-light façade (smrs 44), both priced at £7.50, are now in production.

Their aim is to increase the depth of the façades by 61mm.

Skytrex (2013) Ltd, Unit 1, Charnwood Business Park, North Road,

Loughborough LE11 1LE

T: 01509 213 789 E: sales@skytrex.com

MODULAR CREW FIGURES

A small range of whitemetal multi-part locomotive crew figures for the steam age is now being sold by Kenneth Clark. Numerous configurations are possible, using different bodies, arms, heads and legs and are a perfect evening project to assemble and paint before fitting to a locomotive cab. Look out for an article on painting and fitting them soon in **BRM**.

Prices for the locomotives vary from £6.00 for 4 figures plus £1.00 P&P. E-mail Kenneth for further details.

A: Kenneth Clark, 4 Harrow Road, Aberdeen AB24 1UN

E: kennclark@btinternet.com



TEN COMMANDMENTS

Ten Commandments have a series of cast modern industrial buildings that are now being sold at shows and on order. The buildings were on display at York show and were proving popular. Currently on offer is an industrial / farm building (ref:L229) and workshop / garage building with large roller door (ref:L230) both at £10 each. Printed signage is also available separately.

Ten Commandments, 20 Struan Drive, Inverkeithing KY11 1AR

T: 01383 410 032 E: tencommandments@btinternet.com

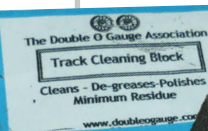
RUB IT OUT!

The OO Gauge Association continues to sell track rubbers priced at £4.50 each plus 80p p&p. The rubbers are made from a non-hazardous polymer which absorbs dirt and dust and are available from the association directly.

Double O Gauge Association, Sales Dept. 25 Newnham Close, Northolt, Middlesex UB5 4LH

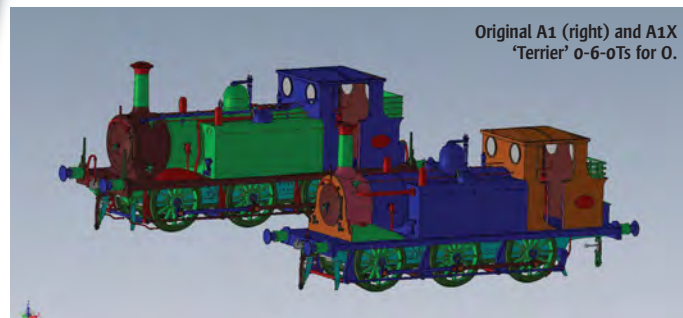
E: hughesd50@hotmail.co.uk

T: 02084 226 144



DESIGN UPDATE:

With an extensive 'to do' list of new models across three scales, Dapol's Joel Bright, Andy Forty and Richard Webster spoke to *Ben Jones* about the current state of play.



Original A1 (right) and A1X 'Terrier' 0-6-0Ts for O.

EXCLUSIVE: After a year of change, Dapol is pressing ahead on three fronts with new models in N, OO and O gauge. Research, development and design work is underway on more than 20 items of new tooling. See the table opposite for a full report on the current status of models already announced. A number of projects are being re-appraised to improve their specification. One example is the OO Class 73, which Dapol says has been "re-researched from the ground up". New electronics and lighting features have also been added to make the 'ED' even more appealing. Also in development is a redesigned mechanism for Dapol's semaphore signals. An interchangeable power

pack will allow the production of wall-mounted bracket signals. Dapol is also considering moving to thinner etched metal arms for its 'Mk 2' signals. Multi-aspect LED colour light signals are not expected to appear until the second half of next year. Good news for supporters of UK manufacturing is that Dapol is bringing back the production of its RTR containers to Wales.



N gauge Class 50.

OO gauge GWR diesel railcar - early artwork.



N gauge GWR 'Grange' 4-6-0.



EXCLUSIVE: First test shots of the new OO Class 73.



STATUS REPORT

N GAUGE

GWR 'Grange' 4-6-0: Design stage – CAD artwork shown below.
 SR 'Schools' 4-4-0: CAD stage complete. Due 2015
 Class 33: Complete re-tool underway. Due 2015
 Class 50: CAD artwork under review. Expected early-2015
 Class 59: Design stage. Due 2015
 Class 142 railbus: CAD artwork under review. Full revision of specification underway. Due 2015.
 SR Maunsell coaches: Decoration stage – final tweaks underway.
 Mk 3 TGS: Design stage – CAD artwork under review.
 Network Rail JNA/IOA bogie wagons: Decoration stage. Due late-2014.

OO GAUGE

GWR Railcar: Drawing stage. Now altered to depict railcars Nos. 5-16. Expected during 2015.
 Class 121/122 railcars: Due 2015
 Class 73/0: First engineering prototype expected in June.
 Class 73/1: Research and development restarted from scratch
 BR 'Turbot' bogie wagon: Being redesigned from scratch and improved. New design will allow Bogie Bolster E to be produced later using same chassis.

O GAUGE

SR 'Terrier' 0-6-0T: Due late-2014. First samples due September, in time for Telford O gauge show. Now with die-cast metal frame/wire handrails
 Class 08: Design stage. Due 2015?
 SR 'Pillbox' brake van: due June
 6w Milk Tank: Design completed. Production to start soon.
 HAA/HEA hoppers: CAD stage - 2015



SPA STEEL CARRIER



FTG Models, another newcomer to the OO RTR market, has revealed the latest images of its forthcoming OO gauge SPA steel wagon. With an estimated retail price of £16.95, the wagons are being manufactured as this issue goes to press.

An initial batch of 1,200 models includes two different numbers to be produced in Railfreight red and two others with Cardiff Rod Mill branding (just 300 of each).

A new website will go live as soon as the models arrive in the UK, allowing customers to place their orders, so keep an eye on future developments.

E: stpaddy9001@aol.com

W: www.ftgmodels.co.uk

ABOVE: A pre-production sample in original Railfreight red, showing the detailed dropside doors and underframe.

BELOW: Visible inside the wagon is the removable cradle for steel loads, as fitted to the real SPAs.



NEWS IN BRIEF

LBSCR I3 FROM OO WORKS

OO Works is now taking orders for its latest model - an LBSCR I3 4-4-2T. The class of 27 were built at Brighton between 1907 and 1913 to work fast, light passenger trains. The I3s were mainly allocated to Battersea, New Cross and Brighton with some later to Tunbridge Wells and Eastbourne.

All but one was absorbed by BR in 1948, but they were replaced in the 1950s by BR Standard 2-6-4Ts. Pre-order yours today!

E: ooworks@btinternet.com

T: 01580 882 185

W: www.ooworks.co.uk

MYLOCOSOUND'S DIESEL VENTURE

MyLocoSound has extended its range of locomotive sound systems to include diesels. Using synthesised sounds, they are highly configurable to reproduce numerous types of locomotive and railcar.

As with its steam products, the same functionality is offered on both 12V analogue DC and DCC. When used with DCC, the sound characteristics can be tailored by setting the relevant configuration variables (CVs) and are triggered using the controller function keys. When used with 12V DC, MyLocoSound supplies an infra-red remote control which is used both to make adjustments and to trigger the sounds.

The DCC decoder retails at £49 and the 12V DC version with remote is £59. Both include a 40mm x 20mm high bass speaker, an eight-pin DCC plug and a stay-alive capacitor to maintain sounds even when current is interrupted.

T: 01603 928 623

W: www.mylocosound.com

BISHOPS STORTFORD: CHANGE OF VENUE

Bishop's Stortford Railway Society has announced a change of venue for this year's show on Saturday 13 September (1030-1630). Now to be held at the Birchwood High School sports hall, the exhibition is set to be larger with more layouts, traders and associated stands.

For more details please visit the society's website closer to the exhibition date.

E: bsrallsoc@gmail.com

W: www.tinyurl.com/bsrallsoc

**BRM LIVE ISSUE 3
ON SALE NOW
SEE PAGE
131**





FACT FILE

- ▶ **MANUFACTURER** Bachmann Branchline
- ▶ **SCALE/GAUGE** 1:76 scale, 16.5mm gauge OO
- ▶ **MODEL** 32-285 BR Eastern Region green Metro-Cammell Class 101 two-car DMU with 'speed whiskers' E50231+E56083
- ▶ **PRICE** £TBC
- ▶ **WORDS** Ben Jones
- ▶ **PHOTOGRAPHY** Tony Wright

This Metro-Cammell Class 101 is the third model of the type in OO, after Tri-ang and Lima, and is the best to date by some margin.



BACHMANN METRO-CAMMELL CLASS 101

Ben Jones examines the latest OO model of one of BR's most numerous and long-lived DMU designs.

First generation BR diesel multiple units have proved to be a major source of inspiration for Bachmann over the last few years. After the success of the Class 108 released in 2006, the 'Cravens' Class 105 and original 'Derby Lightweight' followed and now we have arguably the most successful, widely used and long-lived of them all – the Metropolitan-Cammell Class 101.

Delivered between 1956 and 1960, 760 cars of similar external design were built at Met-Camm's Washwood Heath factory and formed into two, three and four-car sets of several types. Used on all BR regions except the Southern (and they even visited there on occasions), the final survivors were not withdrawn until December 24,

2003, long after other early BR DMUs had been retired. As well as their later passenger exploits in lowland Scotland and the north-west of England, many vehicles saw further use in the 1980s and 1990s in the departmental fleet, allocated to route learning, Sandite application and test trains, whilst others had a short-lived career as parcels units.

Metro-Cammell DMUs have been the subject of several models over the years, starting with Tri-ang in the

1960s. More recently, Class 101 was one of Lima's final new models launched in 1997, subsequently improved and re-released by Hornby. Regarded as one of the better items in the Italian range, it is still a regular fixture in the Hornby catalogue, most recently appearing in Strathclyde PTE orange/black.

However, this model from Bachmann promises a much higher specification, better performance and the extra finesse you'd expect from an all-new



Inner end details such as the exhaust stacks and gangways are superb.

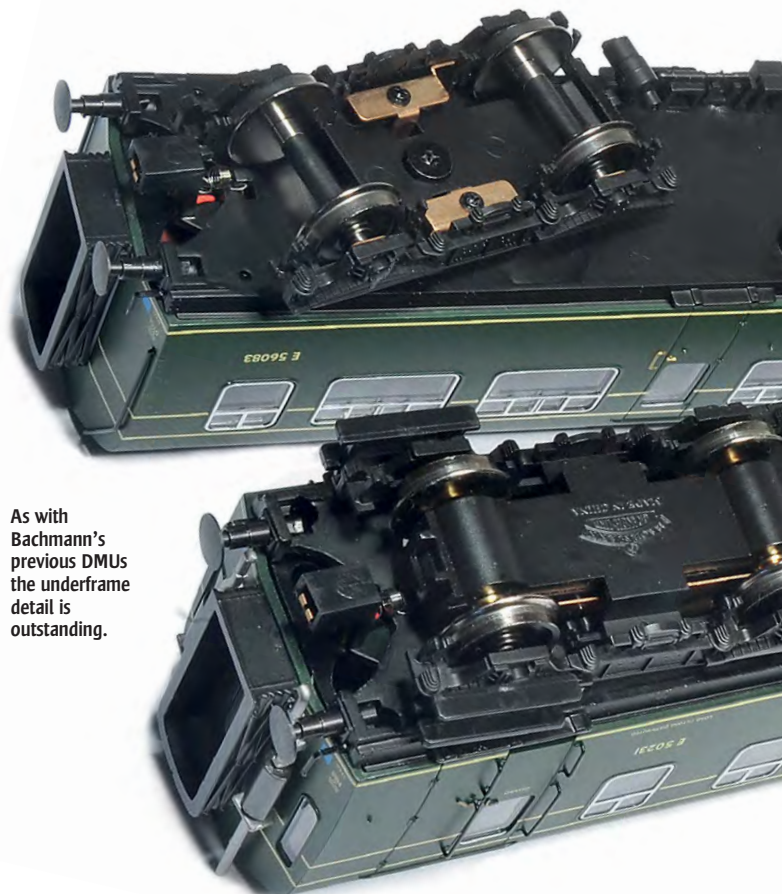
This model from Bachmann promises a high specification, better performance and the extra finesse you'd expect from an all-new model in 2014.



PRODUCT REVIEW

IN CLOSE-UP

Attention to detail extends to the guards van doors, which vary between batches, as per the original. This set has the droplight window on the left hand door, while others have it on the right.



As with Bachmann's previous DMUs the underframe detail is outstanding.

There's a lot to like about this Class 101, from its good looks and fine detail to the extra features it offers. You have a DMU that should find a place on many layouts.

model in 2014. Based on the excellent Graham Farish N gauge Class 101 released in 2011, it features a wealth of fine details and variations appropriate to region and period.

Reviewed here is a North Eastern Region two-car set in original dark green livery with pale green trim and 'speed whiskers' on the cab front. Destination blinds read 'Newcastle' and 'Middlesbrough'. The livery has been beautifully applied and even the smallest of lettering is legible. Three more sets will be offered in the first batch; BR green with small yellow warning panels (LMR), 1970s BR plain blue (ER) and 1980s BR blue/grey (ER).

Formed of Driving Motor Brake Second (DMBS) E50231 and Driving

Trailer Composite with Lavatory (DTCL) E56083, it's a typical power-trailer set as seen all over the Eastern, North Eastern and London Midland Regions in the late-1950s and 1960s. Of the 153 two-car sets delivered by Metro-Cammell, 123 were of this type. Hopefully Bachmann will follow the example of the Class 108 and introduce three-car and power twin versions in due course.

Pre-production models raised hopes that Bachmann's Class 101 would be a considerable advance over the Lima/Hornby model. Now that we have the chance to study it in detail, there's little to alter that opinion. Although the latter had a number of good

points, particularly the body profile, the cab front 'face' is better on the Bachmann model. The stylish body shape has been well captured, as have the roofs with their hundreds of rivet heads. However, it's the impressive underframe detail and bogies that really put this model in a different league.

Instead of a single-piece moulding between the

bogies, the DMBS has separately fitted engine, gearbox, exhaust, heating and electrical components - some of which are fragile, so handle with care. The unpowered DTCL underframe is more sparse, but no less detailed and features neatly moulded heating pipes, battery boxes, vacuum brake cylinders and tanks. Likewise the standard

Conductive coupling bar and sprung close-coupling mechanism.

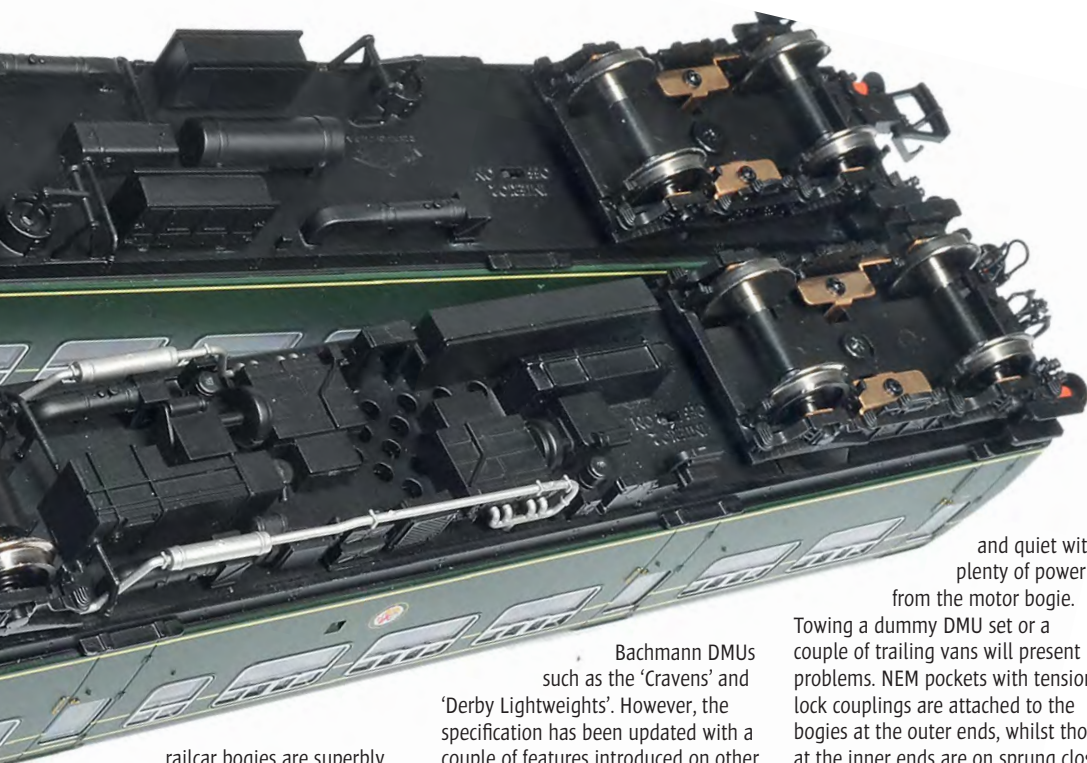


CONCLUSION

Bachmann's recent price increases have affected multiple units with hundreds of individual components more than others. Unusually, Bachmann had not released the confirmed RRP for this model as this issue went to press.

However, it is expected to cost somewhat more than the most recent two-car Hornby Class 101, which has an RRP of £99.99 despite its largely outdated 'spec' and cruder detail. Perhaps Hornby's model will switch to the Railroad range and offer a genuine choice between budget and premium DMUs?

There's a lot to like about this Class 101, from its good looks and fine detail to the extra features it offers over Hornby's model. Couple this with a 47 year career that spanned almost the entire country, lots of liveries and stylish looks and you have a DMU that should find a place on many layouts. **BRM**



and quiet with plenty of power from the motor bogie.

Towing a dummy DMU set or a couple of trailing vans will present no problems. NEM pockets with tension lock couplings are attached to the bogies at the outer ends, whilst those at the inner ends are on sprung close coupling mechanisms. Usefully, one short and one long coupling bar is supplied, giving the option of closer coupling for gentler curves.

Bachmann DMUs such as the 'Cravens' and 'Derby Lightweights'. However, the specification has been updated with a couple of features introduced on other recent multiple units.

DCC users will be pleased to note that the requirement for a decoder in each car has been replaced by a single 21-pin DCC decoder socket in the DMBS vehicle. Conductive coupling bars borrowed from the Class 150 and Southern EMUs now allow one decoder to control the lights in both cars and provide electrical pick-up throughout. Also new is a sliding on/off switch under both cars allowing non-DCC users to control the interior lights. LED saloon lighting is provided along with illuminated destination blinds, headcode panels and marker/tail lights.

As before, the chassis block is housed in the guard's van to try and hide it as much as possible, although it does project some way into the passenger saloon. On closer inspection, some of the new electronics are also visible in the aisle of the DMBS saloon.

Performance is smooth

railcar bogies are superbly crafted with excellent relief and rivet head detail. At the inner ends, the scissors type gangways have been crisply modeled, as have the exhaust pipes and silencers on the DMBS.

Full interiors are provided too, including different seats in First and Second Class saloons and neatly detailed driver's desks in each cab. A driver and a few passengers would help to make the train look more realistic.

This unit has the original cab front with two-character headcode panel below the windscreens, but the BR plain blue and blue/grey models will have later ends with the panel removed. Interestingly, this DMBS has the guard's droplight window on the left hand of the two van doors, whereas catalogue images of the other versions show it on the right – a modification made part way through the build and a detail that could very easily have been overlooked.

There's been extensive discussion about the size of the bodyside windows. Compared to some photographs they do look a smidgen undersize, but this appears to be mainly the result of silver-painted aluminium windowframes which are slightly thicker than the originals. It could be argued that the windows themselves aren't quite deep enough, but the discrepancy is only a fraction of a millimetre – not enough to spoil the overall look of a fine model.

If you don't plan to operate the units in multiple, further detail can be added to the outer ends of the set using the bufferbeam parts provided. Simply lever out the NEM pocket with a flat blade and use the instructions to fit the metal screw coupling, multiple working cables and brake pipes.

UPDATED SPEC

In many respects, the mechanical elements are identical to previous



That unmistakable Met-Camm 'face' is perfectly captured for the first time in 00 gauge.



DAPOL'S 'DONNY'

N
GAUGE

Having released the original Romanian-built Class 56s in 2012, Dapol has now added a modified model based on the much larger batch built at Doncaster Works in the late-1970s and early-1980s.

This new release allows a much wider range of names, numbers and

liveries to be produced, from original BR plain blue locomotives via large logo blue, Railfreight and EWS to contemporary DCR and Colas Railfreight machines. Shown here are two models from either end of the spectrum – BR blue 56 070 and Colas 56 105.

In most respects, the model is unchanged from the Romanian 56s

and enjoys excellent performance and a high specification. Overall, it also captures the bulky outline of the Type 5 very effectively. Crisply moulded grilles and bogie sides, separate wire handrails, etched metal bodyside grilles at the No. 1 end and separate components such as multiple working jumper cables and windscreen wipers

put the models streets ahead of the old Graham Farish 'Grid'.

The most obvious change is the cab front, which has been changed to reflect the simplified arrangement adopted by Doncaster Works. The larger, raised horn box and raised marker/tail lights have been captured correctly on the new plug-in tooling,

FACT FILE

MANUFACTURER Graham Farish by Bachmann
SCALE/GAUGE 1:148 scale, 9mm gauge N
MODEL 371-455 BR blue Class 37/0 diesel 37 251 (weathered)
PRICE RRP £109.95
WORDS Ben Jones
PHOTOGRAPHY Brett Caines



BANGER BLUE CLASS 37

N
GAUGE

There is no shortage of options for Class 37 models and every year sees numerous new N and OO versions added to catalogues. Latest to arrive from Graham Farish is a 'common or garden' BR blue Class 37/0 in weathered condition. Presented in unrefurbished, unmodernised guise, 37 251 is a typical Western Region machine of the 1970s/early-1980s. Dozens of Class 37s were based in South Wales to haul coal trains from the numerous collieries still open in the

Welsh Valleys at the time.

This 37 features superb detail and decoration, with excellent performance from the all-wheel drive chassis. A six-pin DCC decoder socket is fitted, as are illuminated headcode panels and red tail lights at the rear.

Period details include the 'domino' marker lights in the redundant headcode panel, a plated over boiler exhaust port and the deep valancing around the bufferbeams that was removed in the 1980s. Photographs show the real 37251 still fitted with



FACT FILE

MANUFACTURER Dapol
SCALE/GAUGE 1:148 scale, 9mm gauge N
MODEL 2D-004-006 BR blue 56 070, 2D-004-009 Colas 56 105
PRICE £128.79 each (DCC Fitted £151.84 each)
WORDS Ben Jones
PHOTOGRAPHY Brett Caines

CLASS 56



as has the cutaway bufferbeam. However, the changes don't extend to the cabside windows, which are still of the Romanian design with separate quarterlight.

All five new Class 56s also have revised cantrail grilles at the No. 2 end, as fitted to some locomotives overhauled by Loadhaul and EWS

in the mid-1990s. While these are appropriate for EW&S red/gold 56 089 and Colas 56 105, they are incorrect on earlier machines like BR 56 070.

Decoration on our two samples was generally very good with neat printing, correct colours throughout and a pleasing satin finish. Colas 56 105 is particularly good; the company's hard

hat logos and large bodyside branding have been reproduced very effectively, as has the complex orange/yellow/black livery. The only small decoration fault we could find was the incorrect font for the numbers on 56 070.

As before, the model has a centrally-mounted five-pole motor driving all six axles and a six-pin DCC decoder socket

atop the chassis block. Headlights and red tail lights operate in the direction of travel. Both are also offered with a factory-fitted decoder.

Despite a few small reservations about shape and detail, this is a welcome extension of Dapol's Class 56 family and one that offers plenty of mileage over the coming years. **BRM**



frost shields over the radiator grilles in 1983, although these are not included.

Pair the Class 37 with Graham Farish MCV 16t mineral wagons, Dapol HTV 21t hoppers or 20t mineral wagons for authentic 1970s/80s Welsh Valleys coal trains. Alternatively, looking further afield, a BR blue Class 37/0 can be employed on almost any duty from trip freights to heavy steel trains and summer Saturday holiday trains formed of blue/grey Mk 1s.

Interestingly, this model arrives at the same time as the new Graham Farish Class 55 (**BRM** June 2014), which sets a

new benchmark for N gauge diesels. The real Class 37s and 55s shared the same design of bogie, but the difference between the 'Deltic' and this slightly older model of an English Electric diesel is immediately evident. While the 55 uses slightly undersized wheels to ensure the bogies fit snugly under the body, the 37/0 stands high on its bogies, detracting from the overall look. It shows how far British N gauge has come in just a few years that a generally excellent model has already been surpassed. **BRM**

OUT NOW

BACHMANN BR BAUXITE 8T ALE WAGON (EX-CATTLE VAN) B893429 (37-713). SCALE 1:76 00, RRP £15.95

As the movement of cattle by rail declined, a large number of relatively new wagons were transferred to ale traffic. The latest version of Bachmann's excellent BR 8T cattle van recalls this change of purpose and will be an ideal way to build up 1950s/'60s beer trains. Combine it with Bachmann shock absorbing opens and ordinary 12T vent vans for an authentic train.

See the May 2014 issue of **BRM** for much more on 'ale by rail'.



BACHMANN OPENS

FACT FILE

MANUFACTURER Bachmann Europe

SCALE/GAUGE 1:76 scale, 16.5mm gauge 'OO'

MODEL 39-455 BR crimson/cream ex-LMS 'Porthole' First Corridor M1122M, 39-475 BR crimson/cream ex-LMS 'Porthole' Vestibule (open) First M7481M

PRICE £39.95 each

WORDS Ben Jones

PHOTOGRAPHY Tony Wright

OO GAUGE

It seems like a long time since Bachmann announced its intention to add the LMS-design Period III 'Porthole' stock to its range. Reviewed here are two First Class vehicles; a 57' First Corridor (FK) and a 60' Vestibule (open) First, both in British Railways crimson/cream carried from the late-1940s until the late-1950s. Completing the family will be a Third Corridor and Brake Third Corridor on 57' underframes and 60' Composite Corridor (CK) and Brake First Corridor (BFK) – all in crimson/cream initially.



Although of LMS design, deliveries of the 'Porthole' coaches didn't start until after Nationalisation in 1948 and so only BR liveries are possible. Some of these coaches remained in service until the late-1960s, with the odd vehicle even receiving a coat of corporate blue/grey.

Six all-new coaches is an impressive tally, and the range covers important designs such as the 60' CK, a type built in large numbers and used widely, but overlooked since the Airfix LMS Period III CK of the late-1970s. As with Hornby's Period IIIs, the major omission is a suitable catering vehicle to modern

standards, but hopefully this will follow.

The coaches follow the familiar Period III styling, although the origin of that nickname is immediately obvious. The circular toilet windows are an unusual period feature, neatly executed with opaque glazing. Like the rest of the windows, the glazing is impressively

C CLASS BACK IN STOCK

OO GAUGE

For such a humble little goods 0-6-0, the Wainwright C Class 0-6-0 caused quite a fuss when it first appeared in 2013. Demand proved to be very high and all versions quickly sold out, most notoriously the elaborate South Eastern & Chatham Railway lined green model. Fortunately, a second batch is now arriving, adding this late BR black version to the family, as well as another, somewhat simpler SECR green locomotive and an alternative

Southern Railway machine with green lining and large yellow tender lettering/numerals.

No. 31579 was one of the last of its type to be withdrawn, surviving until October 1961. The late BR crest on the tender and Gillingham (73D) shedplate date the model between September 1957 and May 1959 when, according to Hugh Longworth's new BR Steam Locomotives: Complete Allocations History 1948-68 (Ian Allan, ISBN 978 0 86093 661 9), the real locomotive was



transferred to Nine Elms depot in London. This was not its only adventure away from its native South Eastern Division; in 1960 it spent six months at Feltham before returning to Stewarts Lane in December of that year. It's a good choice by Bachmann as it will appeal to modellers of the South Western Division as well as its home patch.

No. 31579 is presented in final condition with shorter, fatter chimney fitted by the SR, smokebox door numberplate and Westinghouse air pump on the right hand side of the boiler. As can be seen from the photographs, it's a typically attractive Harry Wainwright design with a distinctly late-Victorian/

THE 'PORTHOLE'



flush with no sign of excess glue around the frames. BR 'hot dog' First Class labels are printed neatly inside.

Overall shape looks 'spot on' and the coaches are blessed with superb fine detail throughout. Separate wire water tank filler pipes and handrails are just one; look out also for the separate lamp brackets and post-war 'torpedo' style

ventilators – no fewer than 27 on the FO – metal buffer heads and the very fine gangway mouldings complete with suspension arms. Also worthy of note are the deeper sliding ventilators, which are similar to those adopted by BR for the Mk. I.

The roof and bodies are simple to remove, revealing a moulded interior

that could easily be enhanced. Each model comes with a bag of extra parts, including a gangway tailboard, metal screw link couplings and brake pipes and a pair of fixed close-coupling bars.

Under the floor, there's the usual vacuum brake gear, dynamo and battery box mounted on square pattern trussing. New LMS 9' wheelbase bogies have been

tooled for the model. Although these have the right proportions, they lack the rivet head detail on previous RTR versions and are a little plain as a result. Interestingly, the pin-point metal axles run in brass inserts inside the frames.

To further ensure free running and the proper relationship between the underframe and bogies whilst using correct size wheels, grooves have been designed into the underside of the chassis. Couplers are mounted in NEM pockets on a cam system which keeps the coaches apart on sharper curves.

Application of the attractive crimson and cream livery is impressive, most notably the razor sharp yellow/black lining above and below the cream band. Other fine printed detail is minimal but includes vehicle information on the body ends and crisp yellow numbers. Colours match other Bachmann BR crimson/cream models and although it could be argued that the crimson should be brighter, the overall effect is convincing.

Even with the recent price increases, these impressive new coaches cost less than the equivalent Hornby LMS Period IIs and, considering their superb looks, fine details and decoration they still offer good value for money. Highly recommended. **BRM**



Edwardian charm. Bachmann did an excellent job in capturing the overall appearance and there's a good deal of fine detail to enjoy throughout. The only (slight) visual detractor is where the motor block projects beyond the firebox above the middle splashers. However, special mention must go to the exquisite

Ramsbottom safety valves atop the firebox and the outstanding boiler backhead with its array of brass-painted pipes, controls and gauges.

Decoration is simple, but perfectly executed, requiring little or no further attention, unless you wish to renumber it or add an etched brass shedplate.

Earlier samples we tested had mighty performance for such a small locomotive and this one was no different. A simple, but robust mechanism and cast metal running plate/splashers give weight and power where it is needed. For DCC users a 21-pin decoder socket is housed in the tender along with provision for a speaker

FACT FILE

MANUFACTURER Bachmann
Europe
SCALE/GAUGE 1:76 scale,
16.5mm gauge 'OO'
MODEL 31-465 BR late crest
black Wainwright C Class 0-6-0
No. 31579
PRICE ETBC
WORDS Ben Jones
PHOTOGRAPHY Tony Wright

cradle if you wish to fit sound.

Other features include sprung metal buffers, an adjustable coupling bar between locomotive and tender, fine wire sandpipes and handrails and a bag of optional detailing parts which contains cab doors, brake rigging and a set of fire irons.

If the last batch is any guide, you'll need to snap up one of these lovely little 0-6-0s before they disappear. Highly recommended. **BRM**

LIONHEART GWR 'SMALL PRAIRIE'

Lionheart Trains' second ready-to-run O gauge steam locomotive is another branch line classic from the Great Western Railway.

FACT FILE

- **MANUFACTURER** Lionheart Trains
- **SCALE/GAUGE** 1:43.5 scale, 32mm gauge O
- **MODEL** LHT 45X1 Great Western green '45XX' 2-6-2T (unnumbered)
- **PRICE** £1,095.00 (DCC Ready), £1,248.00 (DCC Sound)
- **WORDS** Ben Jones
- **PHOTOGRAPHY** Brett Caines

Hand-built in brass, with a super-smooth Maxon motor and a sound-fitted option, the 45XX is a high quality product.

Lionheart Trains is one of a growing number of companies specialising in high-quality ready-to-run O gauge models. However, the company's strategy so far has been a little broader than the usual diet of glamorous express locomotives. Focusing on the humbler end of the fleet, Lionheart's first release was a GWR 64XX/74XX 0-6-0PT, followed by RCH wooden bodied and BR 16t coal wagons and a superb GWR autococh.

Joining that collection now is another Great Western Railway classic, the 45XX 'Small Prairie' 2-6-2T. No fewer than 12 different editions have been produced, tracing the development of the type

from introduction in 1914 to withdrawal by BR in 1965. Also due soon is the 4575 variant with sloping side tanks.

As you might imagine, numerous modifications were made over the years and to capture as many as possible, Lionheart's Chinese supplier has had to produce seven different body styles with more than 50 detail differences across eight decoration periods!

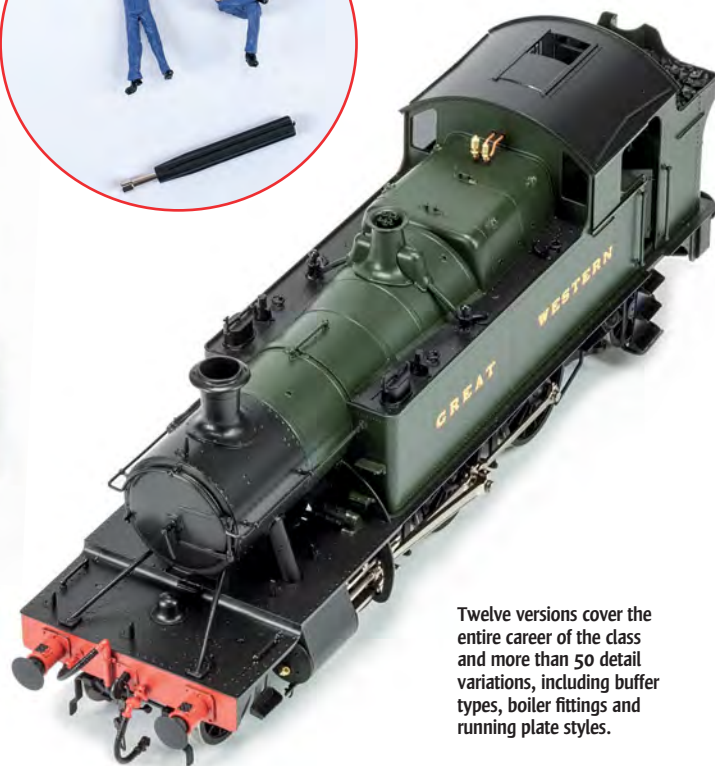
Changes include three types of buffers, straight or curved running plates, cab windows and side shutters, smokebox doors, sandboxes, rear lamp bracket fenders, top feed heights, handrail positions, Automatic Train Control (ATC) equipment and many more. Such attention to detail is not

unusual on models of this calibre, but Lionheart's 'Prairies' have a few more tricks up their sleeve to delight both operator and collector.

Lionheart's Richard Webster is keen to emphasise that his models are not museum pieces but are designed for running. Useful features include a separate cab roof held in place by small magnets, driver and fireman figures sculpted by Aidan Campbell and the option of DCC Ready or sound-fitted models to O gauge or ScaleSeven finescale standards.

All Lionheart models are designed to operate on 3' radius curves for those with limited space. The 45XXs also have cams on the pony trucks to enable





Twelve versions cover the entire career of the class and more than 50 detail variations, including buffer types, boiler fittings and running plate styles.

this without compromising prototype appearance.

Kindly loaned for review is an unnumbered Great Western plain green model without a copper capped chimney or porthole windows on the cab front above the firebox, curved running plate and a host of other period features. There's no question that the classic Churchward design has been captured 'to a tee' and that the level of detail will please even the most exacting of GWR modellers.

Even a cursory glance will confirm that the model is finished to a superb standard. This livery is one of the less intricate options but is no less lovely for that; the satin finish to the green and

black paintwork is relieved by pin-sharp yellow tank side lettering, shaded in red and black as per the original. On the 1914 condition model even the wheels and guard irons are lined as they were on the prototype. Every model is supplied with a pair of white cotton gloves to protect the paintwork from fingermarks when it is being handled.

Other quality features include working cab doors, sliding cabside shutters, metal screw link couplings, sprung buffers and superb chassis detail.

DCC Ready models have an eight-pin decoder socket inside the body, while those with sound have decoders loaded with authentic sounds recorded from a preserved 45XX. We found the sound on this sample to be excellent, with a convincing GWR 'bark' and a supporting cast of characteristic sounds such as the crosshead pump.

A new function is synchronised coal shovelling and firebox flicker. Press Function 9 to hear the fire doors open and see the glow - if you want to add some coal press F2 and when finished press F2 again. Push F9 again and you will hear the fire doors close and the light goes out.

Another neat function is

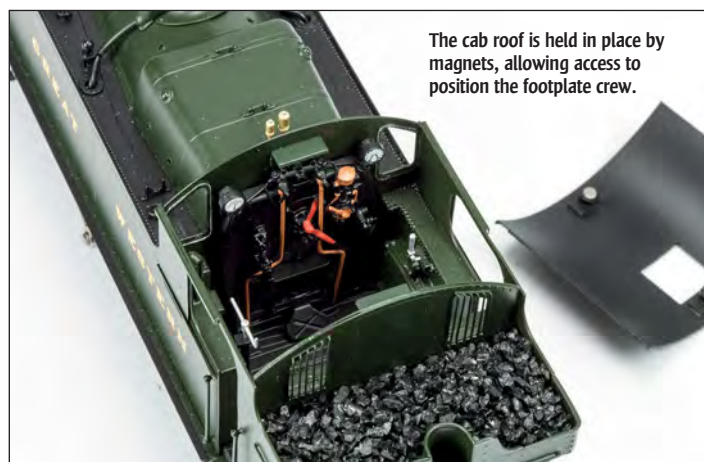
It's hard to find fault with such a superb product which is clearly the result of extensive research...

called 'on the run'. On the real railway the fireman needs to keep the boiler pressure up, so by pressing F12 a couple of shovels of coal and a small amount of water added by the injector can be heard automatically.

Such features set the Lionheart model apart from more basic RTR brass locomotives and from kit-built alternatives. Price-wise it compares favourably with other options in this scale; a kit-built model would cost approximately £500, while assembly and painting to this standard would set

you back another few hundred pounds. Add in the sound element and it's a compelling package, albeit one that most of us would need to save up for!

There were only a few 45XXs left as this issue of **BRM** went to press, although the 4575s are due shortly. As with previous Lionheart models, it's hard to find fault with such a superb product, which is clearly the result of lengthy research, attention to detail and superb execution. Highly recommended. For more information, see www.lionhearttrains.com **BRM**



The cab roof is held in place by magnets, allowing access to position the footplate crew.

FACT FILE

- ▶ **MANUFACTURER** Dapol
- ▶ **MODEL** Pack of four BR ScotRail Mk.3s (3 x TSO, 1 x Composite)
- ▶ **ERA** 1986 to circa 1990
- ▶ **SCALE** 1:148 scale, N gauge
- ▶ **PRICE** £87.50
- ▶ **SUPPLIER** C&M Models, Telephone: 01228 514689, Web: www.candmmodels.co.uk

A neat and attractive book set of N gauge ScotRail Mk.3 coaches has been commissioned by C&M Models of Carlisle in anticipation of the release of the Graham Farish DBSO and Class 47/7.

SCOTRAIL PUSH-PULL MK.3 STOCK



A side view of one of the three TSO coaches. The yellow lower panel in the toilet windows is correctly applied.

Nigel Burkin examines this important new commission for Scottish N gauge modellers.

C&M Models of Carlisle latest special commission is a book set of Dapol Mk.3 coaches in BR ScotRail livery. The set is limited to just 200 pieces and is neatly presented with a foam-lined box together with a signed certificate of authenticity. The box set pre-empted the planned N gauge ScotRail Mk.2f DBSO and Class 47/7 models announced by Graham Farish and due for release in 2015.

As previously reported in **BRM**, Dapol set the standard for N gauge Mk.3 coaches with a sophisticated model. It has a well proportioned body representing Mk.3a and Mk.3b stock which consists of four basic mouldings: an opaque plastic body shell with separate glazing inserts; separate roof moulding which clips into the bodysell, and interior seating.

In common with the previously released first and standard class coaches, the ScotRail Mk.3s feature a high level of technical specification including an interior lighting socket



A very attractive set of coaches which are well researched and produced.

which accepts the standard Dapol 'light bar'. Current collection is possible through both bogies which have electrical pick-ups which collect current from the end of the axles of stub wheelsets. The wheels themselves are composed of split axles and plastic insulating bushes offering direct electrical pick-up through all eight wheels.

The coaches are equipped with frame-mounted close-coupling cams, leaving the bogies clear of coupling equipment and enabling the fitting of end footsteps. Operation of close-coupled coaches on sharp curves presents little difficulty as a result, both when hauled and propelled. The cams ease the gangways away from each other upon entering a curve and ease back as the coaches straighten when stock is propelled and hauled. Each cam is equipped with a NEM coupling pocket fitted with 'Rapido' type couplings. The pocket will accept couplings from Dapol's new buckeye coupling system too.

A pack of etched metal brake inserts for the wheels – enough for eight outward facing wheel faces plus two spares is supplied with the book set together with a variety of non-working buckeye couplings.

Livery

Some careful research has been conducted into the livery applied. The colours and markings are correct, with good, dense colour shades. The ScotRail legend is correctly applied close to the mid-height lining. Only the coach

number typeface is inaccurate in that Rail Alphabet has not been used - a common feature of Dapol's models.

Other printed details are sharp and well applied, with only a slight trace of raggedness on some lining. Noteworthy is the yellow lower panel in each toilet window, a feature of this fleet of coaches.

The coaches are numbered 11905 (CO) and 12004, 12014 and 12030 (TSOs).

Conclusion

C&M Models has commissioned a very attractive set of coaches which are well researched and produced. They will work well with the Graham Farish DBSO and Class 47/7. Priced at £87.50, the set represents good value for money. Finally, C&M Models offer spare seat mouldings for modellers that wish to adapt the 2+1 First Class seating in the CO to better model the seating arrangement. **BRM**

Dapol has produced the book set which includes a post-1986 Composite Open conversion applied to the Mk.3 FO coaches used on the Edinburgh Waverley-Glasgow Queen Street shuttles in the late-1980s.



All that is needed to complete the train is the forthcoming Graham Farish Class 47/7 and DBSO coach. Experience with using Dapol HST sets indicates that propelling four of these coaches should present no difficulty.



DCC CONCEPTS BUFFER STOPS

DCC Concepts' illuminated bufferstop is put under scrutiny by Howard Smith

Photography by Brett Caines

DCC Concepts bufferstops with lamps (ref: H-DML-MBS) have been on sale for a few years, and so by default, don't fall under the 'new item' category. Even so, when tasked with reviewing them, it was hard to imagine what to say when first putting pen to paper (or finger to keyboard in this case). After all, just how much can you say about a set of buffers?

As it happened though, these 'stops' proved to be a worthy subject of scrutiny, so much so, that I felt obliged to provide one with an adequate scene, just to show how good they can look when installed and painted.

For a number of years Peco have dominated the OO and HO market with their buffer stop offering and have probably sold tens of thousands of them over the years. Those wishing to make the lamp situated above the beam

An example of what can be made with a few items and a DCCconcepts buffer stop. If Phil Parker built a pizza layout, then this must surely be a pizza slice layout.

DCC Concepts has once again succeeded in producing an easy-to-use and useful working feature that is essential for almost any layout.

WHY OIL-LIT LAMPS?

Oil-lit lamps were commonly used on buffer stops situated in sidings or stations where night time marshalling was likely to take place. They acted just as much as a form of warning as they did a marker for drivers. They were gradually phased out in the late-1980s in favour of battery or mains powered lights, which were more reliable and require less maintenance.

illuminate resorted to either drilling out a hole and fitting an LED, or replacing it with a circuit board and pre-mounted LED suitable for more modern applications. Either way, no reliable off-the-shelf lit alternative existed; that was before the arrival of the offering from DCC Concepts.

Upon request, Gaugemaster kindly supplied a pack for review (two stops per pack) and it was time to see just what you get for your money.

At £23.95 for a pack of two bufferstops with built-in LEDs (each with its own separate PCB with integrated resistor) they can't be described as 'dirt cheap'. That said, neither can their quality. As with many things, what you pay for is what you get and it must be said that the rail detail has in no way been compromised.

All bolts and spacing blocks between the rails have been represented - even the lamp has a copper wire grab handle and separate clear lens added over the LED. The product is based on a GWR style rail-built buffer stop, of which there are many varieties - a subject worthy of an article in itself - but which still remains a relatively generic design that can be used in other

When lit, the buffer stop is an interesting feature that can add more interest to an otherwise overlooked area of a layout.



Before installing the bufferstop and gluing it into place, you will need to remove the chairs so that the rails sit flush with the sleepers.

areas of the country if required. This differs from the Peco offering, as both uprights join the track on the outside of the rail rather than one either side.

Unightly wires are a modeller's worst enemy - track, lights, motors, servos - they all need them. Luckily most of these are hidden under the layout at all times, but a buffer stop light is one exception. DCC Concepts has foreseen this problem by discreetly running two very thin single strand wires from the lamp on the bufferstop all the way down to rail height, glued in place every five millimetres or so. Layout owners will rejoice at this - a small hole in the baseboard is all that is required to return those wires underneath, where they belong. Power to the LED can be 6-12V DC or 9-15V AC, hence, those with a DCC operated layout can connect the LED via the PCB resistor unit straight to the track. **BRM**

THE VERDICT

To summarise, DCC Concepts has once again succeeded in producing a commonly found and useful item that most layout owners will require at least one of, if they have a siding. Nothing of note can be criticised about the product as it does what is expected of it - the LED isn't overly bright, just like an oil-lit lamp. It would be great to see a modern style bufferstop lamp joining the range in the future.

DELUXE MATERIALS' SMART PLASTIC

Richard Wilson and **Shelagh Morrall** show how easy it is to produce small plastic items with this remarkable new product.

Being from the Deluxe Materials stable, there were high hopes of being able to do fantastic things with the bottle of Smart Plastic. As it says in the instructions, the granules melted and then fused together easily in hot water, and I used the handle of a paint brush to form it into a blob before removing it from the water to mould by hand (be careful if you've been naughty and used very hot water!). The consistency was not quite what we expected – it can be best described like a cross between Blu-Tac and moulding icing. As it's a new product there were few 'what to do with' suggestions on the internet so we decided to just play about and experiment to find just what it can and can't do.



1

Pour a suitable quantity of the granules into a plastic container.



2

Add enough hot water (between 40-60 degrees) to just cover the granules.

Right Leave for a short while until it begins to fuse together, then lift from the container with a paintbrush handle or similar – the plastic can then be transferred to your hands for moulding – make sure they're clean!



3



4

Left The plastic when fused together – this can be moulded to any shape using your hands or a suitable mould.

SHELAGH'S TRIAL

The blurb on the bottle says that it cuts with a knife or scissors so I tried forming it into thin sheets to test this. Success! However, let it set first or it makes the blade sticky and drags rather than giving a clean cut. I also tried using a pastry cutter but it needs to be quite soft for it to go all the way through. As a crafter I had lots of flexible moulds for use with clay, wax, meltable soap and so on and thought

I'd give them a try. I pushed the soft plastic into a selection of both smooth and textured moulds to see how much detail it would take and then left it for a few minutes to set. My main concern was that the hardened plastic wouldn't come out of the mould, but I needn't have worried

as the plastic came away from the mould easily and as can be seen from the photographs took even the tiny detail of the strawberry seeds very well (the peach coloured berry shows the detail much better than the white one, the colour resulting from accidentally using a paint brush with 'Tudor Rose'



emulsion on the handle when melting the plastic).

Following on from the deliberate mistake of colouring the plastic above I decided to see how easily it did 'colour with inks or acrylic' as it said on the bottle. Working the colour into the soft plastic in much the same way as adding food colouring to white icing by dropping/brushing the paint onto the soft plastic, kneading it and then adding more colour was decidedly messy. The plastic kept

RICHARD'S TRIAL

My first idea was for coal loads. I decided to use oven baked clay to make the mould, shaping a rectangle approximately 5mm deep to fit an old OO wagon and then using a coal load from a Dapol wagon to make a negative impression of the coal surface.

A quick 15 minutes in a low oven, and a brew, whilst it cooled and the negative was ready to use. I checked that it still fitted the wagon and found that pressing the coal load into it had squashed it slightly and it was now a bit big - a quick rub on the edges with some sandpaper solved the problem.

Using the coloured plastic from earlier, I softened it and pressed it on top of the negative and left it to cool. As I discovered, it is important to make sure the plastic is dry before pushing it onto the

negative or else trapped water spoils the finish - dry by dabbing it onto a non-fluffy cloth (jeans!) or kneading a little with dry hands. Press the soft plastic firmly onto the negative and remove any excess protruding above the top or sides. Allow plenty of time to harden thoroughly (separating the clay and plastic whilst the plastic is still tacky also spoils the finish) before carefully removing the clay/plastic block - it separates easily with the help of the point of a fine blade.

I already knew that the plastic would mould fine detail, so I also wondered about the possibility of using it to either make a mould of a stone wall for example and then cast the wall in another material, or make the mould out of another material and then cast with the Smart Plastic.

1

The coal load from the Dapol wagon with two clay impression moulds.

The clay and plastic can then be prised apart giving a reasonable reproduction of the coal load. With hindsight, the negative version taken straight from the Dapol load is better than the positive version from the mould!

2

As well as adding it to the mould, I also took the risk of adding Smart Plastic direct to the Dapol coal load plastic moulding. Would it work?

3

4

The Smart Plastic can be painted with a suitable black - here I'm using Railmatch Weathered Black.

5

The completed load in place inside a suitable Dapol wagon. Thinking of the further use of the plastic - it may be possible to mould all four sides of a wagon to produce a suitable wagon 'kit' - the only problems would be the stretching of the moulds or the plastic causing distortion.

hardening as it was being worked so that I had to keep putting it back into the hot water, which of course

then washed some of the water based acrylic off. The black colour ended up looking suitably intense, but unfortunately faded to grey as it dried. Unless you're looking for a pale finish then painting the



finished product with primer then acrylic would be a better option (or find an old brush that

you've used to stir emulsion of the required colour).

So far, so good, but no relevant use to railway modelling yet unless you want a field of giant fruit or some dinosaurs...

THE VERDICT

This is a tremendously useful product, which is, of course, not just limited to the model railway world. With the option of re-melting the plastic as many times as necessary, the possibility of waste and poorly moulded items has been avoided and the ease of producing and handling the plastic makes it a very easy material to work - it has no smell and can be moulded initially with the fingers. I'm in danger of using the old cliché - the possibilities are endless....

The ease of producing and handling the plastic makes it a very easy material to work with



DATES FOR YOUR DIARY

CONTACT US

'Diary Dates' entries are published free of charge to bona fide model railway clubs and societies.

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MODEL RAILWAYS LIVE

Closing date for August 2014 is June 18, 2014 and July 23, 2014 for the September 2014 issue.

Suitable for disabled visitors.

EXHIBITIONS

SATURDAY 14 JUNE

Felixstowe N Gauge Model Railway Show
Trinity Methodist Church, Orwell Road, Felixstowe, Suffolk IP11 7AN **Saturday:** 10.00am - 4.30pm **Prices:** £3.00 adult **Contact:** Chris Shum **Tel:** 01394 277211 **Web:** <http://www.felixstowengauge.org.uk>

Trains at Trinity Exhibition Methodist Church, Shortmead Street, Biggleswade, Bedfordshire SG18 8JX **Saturday:** 10.30am - 4.30pm **Prices:** £4.00 adult, £3.00 concessions **Contact:** Bill Mapletoft **Tel:** 01767 314925 **Email:** bmapletoft@hotmail.com

Trent Valley North American Modellers' Show Armitage with Handsacre Village Hall Shropshire Brook Road, Armitage, Staffordshire WS15 4UZ **Saturday:** 10.00am - 4.00pm **Prices:** £5.00 adult **Contact:** Nick Palette **Email:** n.palette@ntlworld.com

Patcham Methodist Church Model Railway Exhibition Methodist Church, Ladies Mile Road, Patcham BN1 8QE **Saturday:** 10.00am - 16.30pm **Prices:** £3.00 adult **Contact:** Bert Etherington **Tel:** 7711024258 **Email:** bert_etherington@msn.com **Web:** <http://www.patchammethodistchurch.co.uk>

SATURDAY 14 JUNE TO

SUNDAY 15 JUNE

Chatham Model Railway Show Medway Park Leisure Centre, Mill Road, Gillingham, Kent ME7 1HF **Saturday:** 10.00am - 5.00pm **Sunday:** 10.00am - 16.00pm **Prices:** £7.00 adult **Contact:** Dave Holman **Tel:** 7552777718

Shepton & District Model Railway Exhibition Douling Village Hall, 18 Chelynch Park, Douling, Shepton Mallet, Somerset BA4 4PL **Saturday:** 10.00am - 4.30pm **Sunday:** 10.00am - 4.00pm **Prices:** £4.00 adult, £3.00 child, £3.00 OAP, £8.00 family (2 + 2) **Contact:** Mr Perrett **Tel:** 1761232950 **Email:** jp.perrett@btinternet.com

SUNDAY 15 JUNE

Corby & District MRS Wilbarston Village Hall, Carlton Road, Wilbarston LE16 8QD **Sunday:** 10.00am - 4.00pm **Prices:** £4.00 adult, £2.00 child (2-16yrs), £3.00 OAP/concessions, £10.00 family (2+2) **Tel:** 07503 77956 **Email:** kevnav.emsley@ntlworld.com **Web:** <http://www.cdms.co.uk>

FRIDAY 20 JUNE TO

SUNDAY 22 JUNE

Great Central Railway's Model Event - Model Railway and Model Engineering Exhibition Great Central Road, Loughborough, Leicestershire LE11 1RW **Friday:** 10.00am - 5.00pm **Saturday:** 10.00am - 5.00pm **Sunday:** 10.00am - 4.00pm **Prices:** £15.00 (includes all-day travel) **Contact:** Michael Stokes **Tel:** 01509 632315 **Email:** mre@gcrailway.co.uk **Web:** <http://www.gcrailway.co.uk/modelevent>

SATURDAY 21 JUNE

Gloucester Model Railway Show Hucclecote Methodist Church Hall, Carisbrooke Road, Gloucester GL3 3QP **Saturday:** 10.00am - 5.00pm **Prices:** £3.00 adult, £1.50 child, £2.00 concessions **Contact:** Alan Postlethwaite **Tel:** 01452 770447

Northolt Model Railway Exhibition Northolt Village Community Centre, Ealing Road, Northolt, Middlesex UB5 6AD **Saturday:** 10.30am - 5.00pm **Prices:** £3.00 adult, £2.00 child, £2.00 OAP, £7.00 family (2 + 2) **Contact:** . **Web:** <http://www.northolt-mrc.org.uk>

SATURDAY 21 JUNE TO

SUNDAY 22 JUNE

Mere Model Railway Exhibition in Aid of Brainwave Mere Lecture Hall, Salisbury Road BA12 6HA **Saturday:** 10.00am - 4.30pm **Sunday:** 10.00am - 4.30pm **Prices:** £4.00 adult **Contact:** Tom Snook **Tel:** 01747 861977 **Email:** tomsnook29@hotmail.co.uk

SUNDAY 22 JUNE

Porthcawl Rail Club Hi Tide Inn, Mackworth Street, Porthcawl CF36 5BT **Sunday:** 10.00am - 4.00pm **Prices:** £2.50 adult, £1.50 child, £1.50 concessions, £6.00 family (2 + 2) **Contact:** Bernard Townsend **Tel:** 0781 5669365

SATURDAY 28 JUNE

Braintree Model Railway Exhibition Bocking Arts Theatre, Bocking End, Essex **Saturday:** 10.00am - 4.00pm **Prices:** £4.00 adult, £2.00 child, £3.00 OAP, £10.00 family (2 + 2) **Web:** <http://www.braintreeandhalsteadmrc.co.uk>

Enfield Town MRC St. Pauls Centre (corner of Church St. and Old Park Ave.), Enfield EN2 6PR **Saturday:** 10.30 am - 5.00pm **Prices:** £3.00 adult **Contact:** Colin Wilson **Tel:** 01992 639361 **Web:** <http://www.enfield-town-mrc.org.uk>
Ipswich Festival of Transport and Models Ipswich Transport Museum, Ipswich, Suffolk

Saturday: 10.00am - 4.00pm **Prices:** £9.00 adult, £1.00 child **Contact:** Keith Lankester **Tel:** 01473 251017 **Web:** <http://www.irma.org.uk>

SATURDAY 28 JUNE TO

SUNDAY 29 JUNE

Pennine MRS Saddleworth Museum, Saddleworth, Uppermill OL3 6HS **Saturday:** 10.00am - 4.00pm **Sunday:** 10.00am - 4.00pm **Prices:** £2.50 adult **Contact:** David Haigh **Email:** davidhaigh@sky.com

Perth MRC Dewars Ice Rink, Glover Street, Perth PH2 0TH **Saturday:** 10.00am - 5.30pm **Sunday:** 10.00am - 5.00pm **Prices:** £6.00 adult, £3.00 child, £5.00 OAP, £15.00 family (2 + 2) **Contact:** Stan Moug **Tel:** 07588 754959 **Email:** exhibitionmanager@perthmrc.com **Web:** <http://www.perthmrc.com>

Bluebell Railway Model Railway Show Sheffield Parks Station, NR Uckfield, East Sussex TN22 3QL **Saturday:** 10.00am - 5.00pm **Sunday:** 10.00am - 4.00pm **Prices:** Normal train fare or platform ticket **Tel:** 01825 720803 **Web:** <http://www.bluebell-railway.co.uk>

SATURDAY 5 JULY

North Wales N Gauge Group - The Welsh N Gauge Model Railway Show St Mary's & St. John's Halls, Rosehill Street, Conwy LL32 8LD **Saturday:** 10.00am - 4.00pm **Contact:** John Lewis **Tel:** 01492 572633

SATURDAY 5 JULY TO

SUNDAY 6 JULY

Basildon MRC James Hornsby School, Leinster Road, Basildon SS15 5NX **Saturday:** 10.00am - 5.00pm **Sunday:** 10.00am - 4.30pm **Prices:** £5.00 adult, £2.00 child, £3.00 concessions, £12.00 family (2 + 2) **Tel:** 01268 411603

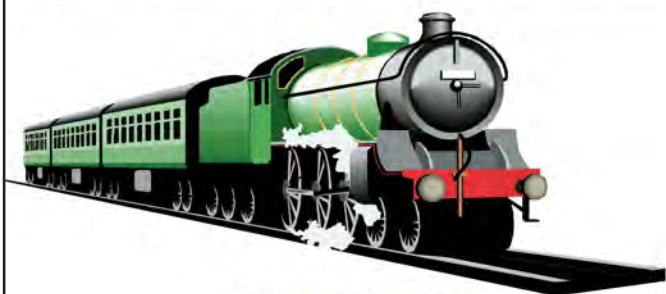
SATURDAY 12 JULY

AAR Models In Aid of Charity Hampshire & IOW Air Ambulance Empire Hall, 1 South Parade, Salisbury Road, Southampton SO40 3PY **Saturday:** 10.00am - 4.30pm **Prices:** £4.00 adult, £3.00 child, £3.00 concessions, £11.00 family (2 + 2)

Sheredes School Association Model Railway Exhibition Sheredes School, Cock Lane, Hoddesdon, Hertfordshire EN11 9JY **Saturday:** 10.30am - 5.00pm **Prices:** £4.50 adult, £3.00 child, £3.00 concessions, £12.00 family (2+2) **Contact:** Joe Lock **Tel:** 07866 641215

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SATURDAY 12 JULY TO SUNDAY 13 JULY

Hartlepool MRG Hartlepool College of Further Education, Stockton Street, Hartlepool, Durham TS24 7LB **Saturday:** 10.00am - 5.00pm **Sunday:** 10.00am - 4.00pm **Prices:** £6.00 adult, £4.00 child (5-16yrs), £5.00 OAP, £18.00 family (2+3) **Contact:** Paul Bolton **Tel:** 01642 504146

SATURDAY 19 JULY

Northampton & District MRC Northampton High School, Newport Pagnell Road, Northampton NN4 6JU **Saturday:** 10.00am - 4.30pm **Prices:** £5.00 adult, £4.00 concessions, £12.00 family

SATURDAY 19 JULY TO SUNDAY 20 JULY

Gravesend Railway Enthusiasts Society The Old Town Hall, High Street, Gravesend, Kent DA11 0AZ **Saturday:** 10.00am - 5.00pm **Sunday:** 10.00am - 4.00pm **Prices:** £3.00 adult, £1.00 child, £6.00 family (2 + 2) **Contact:** George Marcar **Tel:** 07821 254232 **Web:** <http://www.gres.org.uk>

Manchester Museum of Transport Festival of Model Tramways Boyle Street, Cheetham Hill, Manchester M8 8UW **Saturday:** 10.00am - 5.00pm **Sunday:** 10.00am - 5.00pm **Prices:** £7.50 adult, £6.50 concessions **Contact:**

Ron Howes **Tel:** 0208 948 0721 **Email:** howes@tramwayinfo.com **Web:** <http://www.tramwayinfo.com/festival>

Whitby & Distric MRC The Village Hall, Goathland, North Yorkshire YO22 5AL **Saturday:** 10.00am - 4.30pm **Sunday:** 10.00am - 4.30pm **Prices:** £1.00 adult **Contact:** John Stewart **Tel:** 01751 461547 **Email:** john@uncommercial.co.uk

SATURDAY 26 JULY

Barnstaple MRC Christ Church, Bear Street, Barnstaple, Devon EX32 7BU **Saturday:** 10.00am - 4.00pm **Prices:** £3.00 adult, £2.50 concessions **Contact:** Richard Slate **Tel:** 01271 370654 (evenings only)

Sussex Vintage Model Railway Collectors' Show Knolly Hall, Knolly Road, Preston Park, Brighton, East Sussex BN1 6RB **Saturday:** 10.00am - 4.30pm **Prices:** £3.00 adult, £2.50 concessions **Tel:** 01256 350764 **Email:** sussexvintagemrc@hotmail.co.uk

Bridport & District MRC United Church Hall, East Street, Bridport, Dorset DT6 3LJ **Saturday:** 10.00am - 4.30pm **Prices:** £3.00 adult **Contact:** Bob Ahrens **Tel:** 01308 861754 **Email:** Robert@rahens.wanadoo.co.uk

SATURDAY 26 JULY TO SUNDAY 27 JULY

Colwyn MRC Craig y Don Community Centre, Queens Road, Craig y Don, Llandudno LL30 1TE **Saturday:** 10.00am - 4.00pm **Sunday:** 10.00am - 4.00pm **Prices:** £3.50 adult, £2.00 child **Tel:** 0777 5506589 **Email:** crmc2011@hotmail.co.uk

St Johns Charity Exhibition 2014

St Johns School, Tent Vale, Stoke on Trent, Staffordshire ST4 6SB **Saturday:** 10.30am - 5.00pm **Sunday:** 10.30am - 4.30pm **Prices:** £4.00 adult, £3.00 child, £10.00 family (2 + 2) **Contact:** **Tel:** 07747 087050 **Email:** jrf.cox@hotmail.co.uk

TRAIN & TOY FAIRS

THURSDAY 12 JUNE

Theydon Bois Toy & Train Fair Theydon Bois Village Hall, Coppice Row (B172), Theydon Bois, Essex CM16 7ER **Thursday:** 7.00pm - 9.00pm **Prices:** £1.00 adult **Contact:** Joe Lock **Tel:** 01992 467967 / 07866 641215

Kirkleatham Museum Toy & Train Fair 2014

Kirkleatham Museum, Redcar, Teesside TS10 5NW **Saturday:** 10.00am - 2.30pm **Prices:** £2.00 adult, £1.50 concessions **Contact:** **Tel:** 01642 479500 **Web:** <http://www.redcar-cleveland.gov.uk/museums>

SUNDAY 15 JUNE

SRP Fairs - Rayleigh Swayne Park School, Sir Walter Rayleigh Drive, Rayleigh, Essex SS6 9BZ **Sunday:** 10.00am - 2.00pm **Prices:** £2.00 adult **Contact:** Geadl Widdowson **Email:** srptoys1@hotmail.co.uk **Web:** <http://www.srptoyfairs1.co.uk>

SUNDAY 22 JUNE

SRP Fairs - Orpington Crofton Halls, Station Road, Orpington, Kent BR6 8PR **Sunday:** 10.00am - 2.00pm **Prices:** £2.00 adult **Contact:** Gerald Widdowson **Tel:** 07739998012 / 01322662729 **Email:** srptoys1@hotmail.co.uk **Web:** <http://www.srptoyfairs1.co.uk>

WEDNESDAY 25 JUNE

Hoddesdon Toy & Train Fair Sheredes School, Cock Lane, Hoddesdon, Hertfordshire EN11 9JY **Wednesday:** 7.00pm - 9.00pm **Contact:** Joe Lock **Tel:** 01992 467967 / 07866 641215

SATURDAY 28 JUNE

SRP Fairs - Hawkinge Hawkinge Community Centre Heron Forstal Avenue, Hawkinge, Kent CT18 7FP **Saturday:** 10.00am - 2.00pm **Prices:** £2.00 adult **Contact:** Gerald Widdowson **Tel:** 07739998012 / 01322662729 **Email:** srptoys1@hotmail.co.uk **Web:** <http://www.srptoyfairs1.co.uk>

MEETINGS & TALKS

THURSDAY 12 JUNE

Grantham Railway Society St Wulfram's Church Hall, Church Street, Grantham, Lincolnshire **Thursday:** 7.30 pm **Prices:** £2.00 adult, £1.00 concessions **Contact:** Bill Berridge **Tel:** 07743 335545

MONDAY 30 JUNE

Nantwich & Market Drayton Railway Society - Decade of Steam & Diesel 2003-2013 King's Head Inn Shrewsbury Road, Market Drayton TF9 3EH **Monday:** 8.00pm **Contact:** John Slynne **Email:** johnslynne147@virginmedia.com

TUESDAY 1 JULY

East Anglian Railway Museum (EARM) Spring & Summer 2014 First Floor Meeting Room, The Drill Hall Sports Club, Old Park Avenue, Enfield, Middlesex EN2 6PJ **Tuesday:** 8.00pm - 10.30pm **Contact:** Roger Elkin **Tel:** 2083630697 **Email:** rogerelkin@btinternet.com **Web:** <http://www.earm.co.uk>

THURSDAY 3 JULY

The Gravesend Railway Enthusiasts Society Emmanuel Baptist Church, Windmill

Street, Gravesend DA12 1BB **Thursday:** 7.45pm **Contact:** Bob Poole **Tel:** 01474 326232 **Web:** <http://www.gres.org.uk>

MONDAY 7 JULY

Mirfield Railway Enthusiasts Society - Railway Quiz Night, Navigation Tavern Station Road, Mirfield, West Yorkshire **Monday:** 7.45pm **Contact:** Pete Whitworth **Tel:** 01924 498651 **Email:** petesyl12whitworth@hotmail.com

THURSDAY 10 JULY

Grantham Railway Society St Wulfram's Church Hall, Church Street, Grantham, Lincolnshire, **Thursday:** 7.30pm **Prices:** £2.00 adult, £1.00 concessions **Contact:** Bill Berridge **Tel:** 07743 335545

MONDAY 28 JULY

Nantwich & Market Drayton Railway Society - Great Central Railway 'The Gap revised' - The Bridge for the future. King's Head Inn Shrewsbury Road, Market Drayton TF9 3EH **Monday:** 8.00pm **Contact:** John Slynne **Email:** johnslynne147@virginmedia.com

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EVENT DIARY

SUNDAY 29 JUNE

SRP Fairs - Worthing Charmandean Centre Forest Road, Worthing BN14 9HS **Sunday:** 10.00am - 2.00pm **Prices:** £2.00 adult **Contact:** Gerald Widdowson **Tel:** 07739998012 / 01322662729 **Email:** srptoys1@hotmail.co.uk **Web:** http://www.srptoyfairs1.co.uk

WEDNESDAY 2 JULY

South Croydon Toy & Train Fair St John's Community Hall, Upper Selsdon Road, South Croydon CR2 8DD **Wednesday:** 6.30pm - 8.30pm **Prices:** £1.00 adult **Contact:** Joe Lock **Tel:** 01992 467967 / 07866 641215

SATURDAY 5 JULY

Malcolm Townsend Nottingham Bluecoat Toy & Train Fair Bluecoat Academy, Aspley Lane, Nottingham, Nottinghamshire NG8 5GY **Saturday:** 10.00am - 2.00pm **Prices:** £2.00 adult **Contact:** Malcolm Townsend **Tel:** 07951 072790 **Email:** malctow@hotmail.co.uk **Web:** http://www.ashfieldtoyfairs.kk5.org

SATURDAY 5 JULY TO SUNDAY 6 JULY

Pooleys Puffers at Locomotion: the National Railway Museum, Shildon, Durham DL4 1PQ **Saturday:** 10am to 5pm **Sunday:** 10am to 5pm **Prices:** £0.00 adult, £0.00 child, £0.00 OAP **Contact:** Anne **Tel:** 0191 410 6386 **Email:** pooleyspuffers@btopenworld.com

WEDNESDAY 9 JULY

Malcolm Townsend Burton Upon Trent Toy & Train Fair The Town Hall, Burton Upon Trent DE14 2EB **Wednesday:** 6.30pm - 8.30pm **Prices:** £2.00 adult **Contact:** Malcolm Townsend **Tel:** 07951 072790 **Email:** malctow@hotmail.co.uk **Web:** http://www.ashfieldtoyfairs.kk5.org

SUNDAY 13 JULY

SRP Fairs - Brighton The Grandstand and Paddock Hall Brighton Racecourse, Freshfield Road, Brighton, East Sussex BN2 9XZ **Sunday:** 10.00am - 2.00pm **Prices:** £2.00 adult **Contact:** Gerald Widdowson **Tel:** 07739998012 / 01322662729 **Email:** srptoys1@hotmail.co.uk **Web:** http://www.srptoyfairs1.co.uk

Ray Heard Model Railways - Bridgwater

Train & Toy Fair Junction 24 the Venue, Marketway, North Petherton, Bridgwater, Somerset TA6 6DF **Sunday:** 10.00am - 3.30pm **Prices:** £2.00 adult **Contact:** Ray Heard **Tel:** 01823 480097

FRIDAY 18 JULY

Malcolm Townsend Alfreton Toy & Train Fair The Leisure Centre Church Street, Alfreton, Derbyshire DE55 7BD **Friday:** 7.00pm - 9.00pm **Prices:** £2.00 adult **Contact:** Malcolm Townsend **Tel:** 07951 072790 **Email:** malctow@hotmail.co.uk **Web:** http://www.ashfieldtoyfairs.kk5.org

TUESDAY 22 JULY

SRP Fairs - Tonbridge Tuesday: 6.30pm - 8.30pm **Prices:** £1.00 adult **Contact:** Gerald Widdowson **Tel:** 07739998012 / 01322662729 **Email:** srptoys1@hotmail.co.uk **Web:** http://www.srptoyfairs1.co.uk

SATURDAY 26 JULY TO SUNDAY 27 JULY

Bluebell Railway Toy & Train Fair Horsted Keynes Station, Station Approach, East Sussex RH17 7BB **Saturday:** 10.00am - 4.00pm **Sunday:** 10.00am - 4.00pm **Prices:** Regular train fares apply - £3.00 admission to station only **Contact:** Joe Lock **Tel:** 01992 467 967 / 07866 641215

SUNDAY 27 JULY

SRP Fairs - Orpington Crofton Halls, Station Road, Orpington, Kent BR6 8PR **Sunday:** 10.00am - 2.00 pm **Prices:** £2.00 adult **Contact:** Gerald Widdowson **Tel:** 07739998012 / 01322662729 **Email:** srptoys1@hotmail.co.uk **Web:** http://www.srptoyfairs1.co.uk

THURSDAY 31 JULY

Theydon Bois Toy & Train Fair Theydon Bois Village Hall Coppice Row (B172), Theydon Bois, Essex CM16 7ER **Thursday:** 7.00pm - 9.00pm **Prices:** £1.00 adult **Contact:** Joe Lock **Tel:** 01992 467967 / 07866 641215

OPEN DAYS

SATURDAY 14 JUNE TO

SUNDAY 15 JUNE

Gainsborough Model Railway Society

Florence Terrace, (Near Tesco car park), Gainsborough, Lincolnshire DN21 1BE

Saturday: 1.30pm to 6.00pm **Sunday:**

1.30 to 6.00pm **Prices:** £4.00 adult, £3.00 child, £3.00 OAP, £10.00 family (2+2) **Contact:** M A Clapham **Tel:**

01427 615871 **Email:** gmrcontact@gmail.com **Web:** http://www.gainsboroughmodelrailway.co.uk

SUNDAY 15 JUNE

Chichester Model Engineers 'Steam on

Sunday' Blackberry Lane off Bognor Road, Chichester (East), West Sussex PO19 2FS

Sunday: 14.00 - 17.00 **Contact:** Mr Earnshaw-Mansell **Tel:** 07954 0511594

Email: benguilden@btinternet.com

Web: http://www.cdsme.co.uk

SATURDAY 21 JUNE

NMRA The Thamesiders Model

Railroad Group Whitegates Farm, Frating Hill (A133), Frating, Essex CO7 7DG

Saturday: 10.00am - 4.30pm **Contact:**

Patrick Grace **Tel:** 01206 827368 **Web:** http://www.thamesidersmrg.org.uk

SATURDAY 28 JUNE

Wirral O Guage Group

The Club Room, Unit 7, The Odyssey Centre, Birkenhead CH41 1HB **Saturday:** 13.00 to 17.00

Prices: £2.00 adult **Contact:** Jenny

Elliott **Tel:** 07931 846794 **Email:** j.elliott37@sky.com

SATURDAY 5 JULY

West Camel Model Railway Open Day

Davis Hall, West Camel, Yeovil, Somerset BA22 7QX **Saturday:** 10.00am - 3.30pm

Prices: £2.50 adult, £1.50 child **Contact:**

Bob **Tel:** 01963 440167 **Email:** wjh069@gmail.com

SATURDAY 5 JULY

Leicester Museums Technology

Association Railway Gala Day

Abbey Pumping Station, Corporation Road, Leicester LE4 5PX **Saturday:**

11.00am - 4.30pm **Contact:** Brian

Gillespie **Tel:** 1162995111 **Email:** operationsabbeypumpingstation.org

SUNDAY 13 JULY

Keighley MRC in Partnership with Sue

Ryder Manorlands

Keighley Business Centre, Knowle Mills, South Street, Keighley BD21 1SY **Sunday:** 10.00am - 4.30pm

Prices: £3.50 adult, £2.50 child **Contact:**

Web: http://www.keighley-mrc.org.uk

SUNDAY 13 JULY

Gainsborough Model Railway Society

Florence Terrace, (Near Tesco car park), Gainsborough, Lincolnshire DN21 1BE

Sunday: 1.30pm to 6pm **Prices:** £4.00

adult, £3.00 child, £3.00 OAP, £10.00 family (2+2) **Contact:** M A Clapham **Tel:**

01427 615871 **Email:** gmrcontact@gmail.com **Web:** http://www.gainsboroughmodelrailway.co.uk

SATURDAY 26 JULY

Erith Model Railway Society

Invicta House (aka the Belvedere Workingmen's Club), 66 Gilbert Road, Kent DA17 5DA

Saturday: 10.00am - 4.00pm **Web:**

http://www.erithmrs.ukmodelshops.co.uk

While every care has been taken with the compilation of 'Diary Dates', entries are published in good faith - from information supplied by the organisers - and BRM does not accept responsibility for any cancellations or errors. It may be advisable to check with the club or venue before travelling.



Mike Bisset's other layout, St Marnock Engine Shed will be at the Great Central Railway's Model Event - Model Railway and Model Engineering Exhibition between Friday June 20 and Sunday June 22. We'll see you there too! Tony Wright



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GM194	Scenic Starter Pack	£26.95

The Scenic Starter Set is the perfect way to begin scenic modelling, and contains everything you need to get started! A small selection of trees, scatters, ballast, scenic glue, a grass mat and a puffer bottle.

Code	Description	Price
GM353	Gaugemaster Catalogue	£3.95



The new Gaugemaster Full Catalogue contains more details on the full range of Gaugemaster scenics, as well as our famous range of analogue and DCC controllers and much more, including products from the best model railway companies from around the world.

GM197 OO Single Tunnel Mouth
Great for creating tunnels through hills constructed from cardboard. The hill can then be covered in Mod Roc and then grass matting glued on top.



Scenic Construction

Code	Description	Price
GM100	Mod Roc 3.0m	£4.45
GM119	1kg Fine Plaster of Paris	£5.75
GM130	1/16 Cork Sheet 3' x 2' (600x900mm)	£6.25
GM131	1/8 Cork Sheet 3' x 2' (600x900mm)	£10.25
GM167	Mini Balsa Bundle 50 x 76x229mm	£1.75
GM168	Maxi Balsa Bundle 75 x 150x450mm	£8.95
GM197	OO Stone Tunnel Wall 234x123mm	£7.75
GM198	OO Single Tunnel Mouth & Walls	£14.95
GM199	OO Double Tunnel Mouth & Walls	£19.95
GM30	OO Plain Stone Wall Grey 240x125mm	£9.25
GM31	OO Grey Stone Wall 240x125mm	£9.25
GM32	OO Grey Stone Wall/Arches 240x125mm	£9.25

GM170 Spring Grass Flock

Static grass such as this can be applied with a puffer bottle or a Noch Grassmaster.



Scatter Materials

Code	Description	Price
GM101	Meadow Scatter	£1.80
GM102	Mid Green Scatter	£1.80
GM103	Dark Green Scatter	£1.80
GM105	Spring Green Scatter	£1.80
GM108	Earth Brown Scatter	£1.80
GM109	Black Scatter	£1.80
GM110	Red/Brown Scatter	£1.80
GM112	Coal	£2.25
GM116	Grey Tarmac Scatter	£1.80
GM150	30g Fine Light Green Foliage	£3.05
GM151	30g Fine Dark Green Foliage	£3.05
GM152	30g Fine Mid Green Foliage	£3.05
GM153	30g Fine Light Brown Foliage	£3.05
GM154	30g Fine Brown Foliage	£3.05
GM156	Light Green Scenic Leaves	£3.55
GM157	Mid Green Scenic Leaves	£3.55
GM158	Dark Green Scenic Leaves	£3.55
GM169	Static Grass Glue (250ml)	£6.95
GM170	30g Spring Grass Flock	£3.05
GM171	30g Summer Grass Flock	£3.05
GM172	30g Moorland Grass Flock	£3.05
GM173	30g Meadow Grass Flock	£3.05
GM174	30g Woodland Floor Grass Flock	£3.05
GM193	Puffer Bottle	£4.65
GM196	Static Grass Starter Set	£9.95



GM20 Spring Grass Mat

These can be used to cover large areas with grass. The Meadow Mats are fibrous and can be teased apart to make tufts and overgrown grass areas.



GM195 Seafoam Trees

These very realistic trees can be combined with scatters and scenic materials to make a fantastic woodland scene.

Trees

Code	Description	Price
GM120	25 Deciduous Trees	£19.95
GM121	25 Mixed Trees	£19.95
GM122	25 Fir Trees	£19.95
GM123	50 Small Fir Trees	£29.95
GM124	25 Deciduous Trees	£19.95
GM125	25 Spruce Trees	£19.95
GM128	OO/HO Spring Tree Assortment (10)	£9.95
GM129	OO/HO Summer Tree Assortment (10)	£9.95
GM180	Plum Trees (3)	£6.95
GM181	Plum Trees in Blossom (3)	£6.95
GM182	Fruit Trees (3)	£6.95
GM183	Apple Trees (3)	£6.95
GM184	Birch Trees (3)	£6.95
GM185	Weeping Willow Trees (3)	£6.95
GM186	Poplar Trees (3)	£6.95
GM187	Pine Trees (3)	£8.50
GM188	Beech Trees (2)	£7.50
GM195	Seafoam Trees	£20.50



Pretty English Town Backscene

Backscenes can add an extra dimension to a layout. The large sized scenes are 108" x 12" and designed for layouts of OO Gauge or larger, and the small sizes are 54" x 6" and ideal for N Gauge or smaller scales.

Backscenes

Code	Description	Price
GM701	Large Valley Backscene	£7.95
GM702	Large Countryside Backscene	£7.95
GM703	Large Open Field Backscene	£7.95
GM704	Large Village Backscene	£7.95
GM705	Large Cloudy Sky Backscene	£7.95
GM706	Large Industrial Backscene	£7.95
GM707	Large Housebacks Backscene	£7.95
GM708	Large Pretty English Town Backscene	£7.95
GM751	Small Valley Backscene	£4.95
GM752	Small Countryside Backscene	£4.95
GM753	Small Open Field Backscene	£4.95
GM754	Small Village Backscene	£4.95
GM755	Small Cloudy Sky Backscene	£4.95
GM756	Small Industrial Backscene	£4.95
GM757	Small Housebacks Backscene	£4.95
GM758	Small Pretty English Town Backscene	£4.95
DLAD-61	View Glue Backscene Adhesive	£6.95

Grass & Meadow Mats

Code	Description	Price
GM135	Mini Mats Retailer Pack (20)	£32.95
GM135X	Mini Mat 45cm x 30cm (SINGLE)	£1.65
GM140	Meadow Mat - Spring (6mm Grass)	£8.75
GM141	Meadow Mat - Summer (6mm Grass)	£8.75
GM142	Meadow Mat - Spring (12mm Grass)	£11.75
GM143	Meadow Mat - Summer (12mm Grass)	£11.75
GM147	Meadow Mat - Beige (6mm Grass)	£8.75
GM148	Meadow Mat - Beige (12mm Grass)	£11.75
GM20	Spring Grass Mat 100cm x 75cm	£7.95
GM21	Summer Grass Mat 100cm x 75cm	£7.95
GM22	Autumn Grass Mat 100cm x 75cm	£7.95
GM23	Gravel Mat 100cm x 75cm	£5.95
GM38	Spring Grass Mat Large 240x120cm	£32.95

GM139 Flowerbeds

The flowerbeds can either be planted in gardens or scattered around meadows. They can be combined with the Garden Flowers to make a complete floral display.



Plants & Hedges

Code	Description	Price
GM136	Spring Grass Tufts	£10.95
GM137	Summer Grass Tufts	£10.95
GM138	Flowering Grass Tufts	£11.95
GM139	Flowerbeds	£11.95
GM160	Light Green Hedgerow 1m	£6.75
GM161	Dark Green Hedgerow 1m	£6.75
GM164	Light Green Lichen	£4.75
GM165	Dark Green Lichen	£4.75
GM166	Assorted Lichen	£4.75
GM175	OO/HO Garden Flowers	£9.25
GM176	OO/HO Water Plants	£9.25
GM177	OO/HO Garden Plants	£9.25
GM178	OO/HO Wild Flowers	£9.25



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GM115	N Grey Granite Ballast (500g)	£3.45
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GM118	N Grey Granite Ballast (200g)	£2.25
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GM205	N Point & Crossing Grey Kit	£7.95
GM210	OO/HO Brown Ballasted Underlay (5m)	£22.95
GM211	N Brown Ballasted Underlay (5m)	£22.95
GM214	OO/HO Point & Crossing Brown Kit	£7.95
GM215	N Point & Crossing Brown Kit	£7.95

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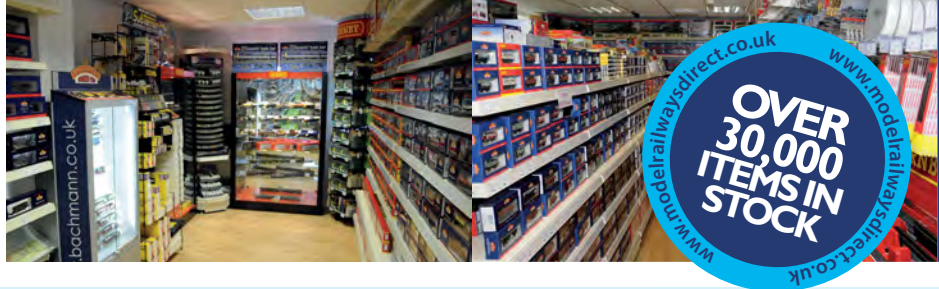
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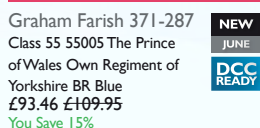
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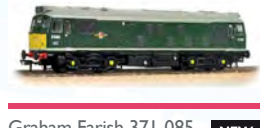
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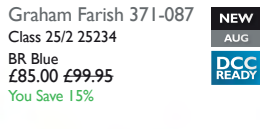
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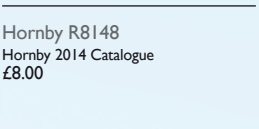


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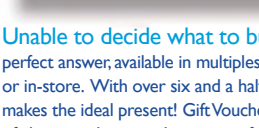
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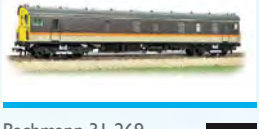
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WAGON ESSENTIALS



Wagon Essentials WE004
Imitation load of coal for all styles
of Hornby open top HAA Wagons
£1.55
Wagon not included

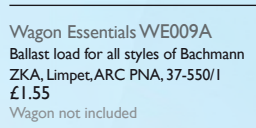


Wagon Essentials WE003
Imitation load of coal for all styles
of Bachmann open top HEA and HSA
£1.55
Wagon not included



Wagon Essentials WE006A
Imitation load of ballast for all styles
of Bachmann MFA open wagons
£1.55
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Wagon Essentials WE007A
Ballast load for all styles of Bachmann
MTA and PNA Railtrack open wagons
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Wagon not included



Wagon Essentials WE009A
Ballast load for all styles of Bachmann
ZKA, Limpet, ARC PNA, 37-550/I
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Wagon not included



Wagon Essentials WE017A
Imitation loads of ballast for all styles
of Dapol MRA Side Tippler Set
£24.00
Wagon not included



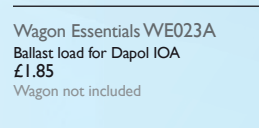
Wagon Essentials WE021
Lumped Coal load for all styles of
Bachmann MEA open wagons
£1.75
Wagon not included



Wagon Essentials WE018
New Ballast loads for all styles of
Bachmann JJA Autoballaster
£1.65
Wagon not included



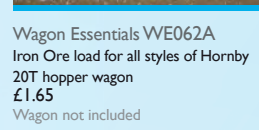
Wagon Essentials WE023A
Ballast load for Dapol IOA
£1.85
Wagon not included



Wagon Essentials WE061A
Iron Ore load for all styles of Hornby
27T Iron Ore wagon
£1.65
Wagon not included



Wagon Essentials WE062A
Iron Ore load for all styles of Hornby
20T hopper wagon
£1.65
Wagon not included



Wagon Essentials WE068A
Ballast load for all styles of Heljan
Dogfish open wagons
£1.75
Wagon not included

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Class E4 Brighton 0-6-2 Pre-order for £84.96



35-075 579 LB&SCR umber
35-076 473 Southern green
35-077 32556 BR black with early emblem
35-078 32470 BR black with late crest
ehattons.com/e4

Class 02 Tango 2-8-0 Pre-order for £148



3900 3965 LNER black with stepped tender
3901 63954 early BR Black with stepped tender
3902 63948 BR black with early crest, stepped tender
3903 63952 BR black with late crest, stepped tender
3910 3962 LNER black with flushed tender
3911 63983 BR black with early crest, flushed tender
3912 63975 BR black with late crest, flushed tender
3913 63982 BR black with late crest, flushed tender
DUE 2015

Class 1F Midland 0-6-0 Pre-order for £67.79



31-431 41708 BR black with early emblem (as preserved)
31-430 1725 LMS black
31-432 41661 BR black with late crest
ehattons.com/1f
DUE SEP/OCT

LSWR Class B4 0-4-0 Pre-order for £79 (DCC £98)



4S-018-001 96 'Normandy' in Southern Railway black
4S-018-002 96 'Caen Brown' in Southampton Docks brown
4S-018-003 88 in Southern Railway green
4S-018-004 30082 in BR black with early emblem
4S-018-005 30096 in BR black with late crest

Class C Wainwright 0-6-0 Pre-order for £76.46



31-465 31579 BR black with late crest
31-463 271 SECR plain green
31-464 593 SR black with green lining
DUE JUL/AUG

Class 6P Jubilee 4-6-0



31-187 5664 'Nelson' in LMS crimson £110.46
31-188 45565 'Victoria' BR lined green late crest
- weathered £118.96
31-189 45606 'Falkland Islands' BR green early emblem -
weathered £118.96

Class 64xx Pannier 0-6-0 Pre-order for £69.66



31-635 6407 GWR green
31-636 6403 BR black with early emblem
31-637 6400 BR black with late crest
ehattons.com/64xx

GWR 1366 Class Pannier Tanks Price TBA



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Class 5P4F Stanier Mogul 2-6-0 Pre-order for £101.11



31-690 2955 LMS lined black
31-691 42969 BR black with early emblem
31-692 42968 BR black with late crest
ehattons.com/mogul

Class 03 0-6-0 Diesel Shunter



31-364 D2383 BR green with wasp stripes - weathered £63.71
31-365 03170 BR blue with wasp stripes - weathered £63.71
31-366 D2016 BR green £59.46

Class 04 0-6-0 Diesel Shunter



31-343 11219 BR black with early emblem £59.46
31-344 D2332 'Lloyd' NCB Industrial yellow - weathered £62.86

Class 05 Hunslet Shunter Pre-order for £100



2500 D2574 in BR green
2501 D2578 in BR green with wasp stripes (preserved)
2502 D2582 in BR green with wasp stripes
2503 "Cider Queen" in green with wasp stripes (industrial)
2520 D2591 in BR green with wasp stripes
2521 D2600 in BR green with wasp stripes
2522 D2595 in BR blue with wasp stripes (preserved)
2523 "Departmental 88" in BR green with wasp stripes
DUE 2015

Class 24/1 Diesel Pre-order for £73.06



32-440 D5135 BR plain green
32-441 D5149 BR green with small yellow panels
32-442 24137 BR blue
ehattons.com/24

Class 29 Diesel Pre-order for £104



4D-014-000 D6130 BR green full YWP
4D-014-001 D6114 BR green small YWP
4D-014-002 D6130 BR blue with warning panel
4D-014-003 D6123 BR green small YWP

Class 37 Diesel



32-784 37242 Mainline blue - weathered £97.71
32-785DS 37254 BR Departmental Civil Link Dutch livery
- weathered (DCC Sound) £208.21
32-786 Class 37/0 37174 in EWS livery with domino
headcode - weathered £97.71

Class 43 Warship Pre-order for £76.46



32-065 D865 'Zealous' BR maroon small yellow panels
32-066 D835 'Pegasus' BR green small yellow panels
32-067 824 'Royal Oak' BR blue
ehattons.com/warship

Class 68 Diesel Price TBA



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Class 73 Electro-Diesel Pre-order for £105



4D-006-000 73102 'Airtour Suisse' in InterCity livery
4D-006-001 73105 in BR blue with large logo
4D-006-002 73124 in BR blue with full yellow ends
4D-006-003 73135 in BR blue with full yellow ends
4D-006-004 E6003 in BR green with lower grey panels **NEW**
4D-006-005 E6039 in early blue with small yellow panels **NEW**
4D-006-006 73138 in Civil Engineers grey & yellow **NEW**

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32-285 BR green with speed whiskers
32-286 BR green with yellow warning panel
32-287 BR blue & grey
32-288 BR blue
DUE JUL/AUG

Metroplitan Bo-Bo Electric

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9004 12 "Sarah Siddons" in London Transport (preserved) livery
9000 17 in Metropolitan livery
9001 9 "John Milton" in Metropolitan livery
9002 1 in wartime grey
9003 8 "Sherlock Holmes" in London Transport livery
DUE 2015

Class 419 Motor Luggage Van

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31-269 BR 'Jaffa Cake' 2-tone grey & orange
31-268 Revised NSE
DUE JUN/JUL

Wickham Type 27 Trolley & Trailer

Pre-order for £39.06



32-991 BR maroon
32-992 BR Engineers yellow
32-993 BR Engineers yellow with wasp stripes
ehattons.com/wickham

Plasser Tamper Track Maintenance Machine

Pre-order for £59.46



36-165A Motorised
DUE AUG/SEP

Luggage Vans

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39-525 Southern PLV in SR green
39-526 Ex-Southern PMV in BR crimson
39-527 Ex-Southern PMV in BR green
39-528 Ex-Southern CCT in BR blue



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39-576 Maroon
39-577 Crimson

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39-775 LMS Lined Maroon
39-776 BR Maroon
39-777 BR Blue & Grey

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39-450 57ft Corridor 3rd
39-455 57ft Corridor 1st
39-460 57ft Corridor Brake 3rd
39-465 60ft Corridor Composite
39-470 60ft Corridor Brake 1st
39-475 60ft Open Vestibule 1st

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39-750 Post Office red
39-755 BR Blue & grey
39-760 Royal Mail Letters
39-765 Royal Mail TPO
ehattons.com/pot



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38-600 BR Grey
38-601 BR Bauxite (Early)
38-602 BR Bauxite (Late)
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R3064 BR Smokey Joe (Hor).....£26



R2672 Caledonian Railway 0-4-0 steam loco in blue.
Railroad range (Hor).....£21



31-931 Class 1000 Midland Compound 4-4-0 1189 in LMS
black (Bac).....£118.96
31-932DC Class 1000 Midland Compound 4-4-0 40934 in BR lined black
early emblem. DCC On Board (Bac).....£135.96



32-828A Class ZMT Ivatt 2-6-0 46526 in BR lined green late
crest - weathered (Bac).....£93.46



31-128 Class 3000 GWR ROD 2-8-0 3036 in BR black early
emblem - weathered (Bac) (list £139.95) **BARGAIN**...£88



31-085 Class 3200 Earl "Dukedog" 4-4-0 9022 in BR black
early emblem - weathered (Bac).....£109



31-727 Class 3700 City GWR 4-4-0 3439 "City Of London"
GWR Green Monogram (Bac).....£106.21



R3006 Class 3800 2-8-0 3864 in BR weathered black early
emblem. (Hor).....£106



31-626A Class 3F 0-6-0 43257 in BR black early
emblem (Bac).....£76.46
31-628DC Class 3F 0-6-0 43620 in BR black late crest - weathered.
DCC On Board (Bac).....£101.96



32-140 Class 4575 Prairie tank 2-6-2 4585 in BR lined
green early emblem (Bac).....£72.21



32-129A Class 45xx Prairie tank 2-6-2 4545 in BR black
early emblem (Bac).....£72.21



31-880 Class 4F 0-6-0 3851 in LMS black Johnson/Deeley
tender (Bac).....£76.46
31-881 Class 4F 0-6-0 43675 BR black early emblem and Johnson/
Deeley tender (Bac).....£76.46
31-882 Class 4F 0-6-0 43924 BR black late crest and Fowler tender (as
preserved) (Bac).....£76.46



31-167DC Class 5 L&YR 2-4-2T 50795 in BR lined black
early emblem (weathered). DCC Fitted (Bac).....£98.13



31-213DS Class 6P Patriot 4-6-0 45504 "Royal Signals" in
BR green late crest. DCC Sound Fitted (Bac).....£189
(list £268) **BARGAIN**

R3017 Class 6P Patriot 4-6-0 45535 "Sir Herbert Walker K.C.B." in BR
green early crest (Hor).....£123



31-013 Class 7F S&DJR 2-8-0 53808 in BR black late crest
& Deeley tender (Bac).....£110.46



32-859 Class 9F Standard 2-10-0 92233 BR black late
crest - weathered (Bac).....£124.02

R3086 Class A1 "Flying Scotsman" in LNER Apple Green. Upgraded to
3-pole motor flywheel (Railroad range) (Hor).....£76



32-550C Class A1 4-6-2 60163 "Tornado" in BR Express
blue (Bac).....£128.01

32-550B Class A1 4-6-2 60163 "Tornado" in BR lined Brunswick
green (Bac) (list £150.60).....£89

31-530 Class A2 4-6-2 526 "Sugar Palm" in LNER lined apple
green. (Bac) (list £149.95) **BARGAIN**...£92



31-529 Class A2 4-6-2 60534 "Irish Elegance" in BR lined
green early emblem (Bac) (list £149.95) **BARGAIN**...£92



31-964 Class A4 4-6-2 60004 "William Whitelaw" in BR
lined green late crest (Bac).....£99

31-965 Class A4 4-6-2 60021 "Wild Swan" in BR lined green early
emblem (Bac) (list £129.40).....£92



31-715 Class B1 1123 in LNER lined green (Bac) ..£84.96



R2921X Class B17/2 Sandringham 4-6-0 61637 "Thorpe
Hall" in BR early crest DCC Fitted (Hor).....£125

R2922X Class B17/6 Sandringham 4-6-0 61650 "Grimby Town" in BR
late crest DCC Fitted (Hor).....£125



31-146 Class D11/1 4-4-0 62663 "Prince Albert" in BR
black early emblem (Bac).....£101.96

31-136DC Class D11/2 4-4-0 62677 "Edie Ochiltree" in BR black late
crest. DCC Fitted (Bac).....£118.96



31-318 Class J11 Robinson (GCR 9J) 5317 in LNER
black (Bac).....£76.46

31-319 Class J11 Robinson (GCR 9J) 64311 BR black early emblem (Bac) £76.46

31-320DC Class J11 Robinson (GCR 9J) 64325 BR black late crest. DCC
Fitted (Bac).....£91.76



32-154A Class N 2-6-0 31404 in BR lined black late crest -
weathered (Bac).....£106.21

31-005 Class O4 Robinson ROD 2-8-0 3547 in LNER black (Bac) ..£118

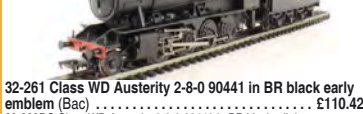
31-002 Class O4 Robinson ROD 2-8-0 63635 in BR black early
emblem. (Bac) (list £129.95) **BARGAIN**...£78



31-001Z Class O4 Robinson ROD 2-8-0 63743 (shed 9G) in
BR black late crest - weathered. Ltd Edition of 512 (Bac)
(list £148.72).....£79



31-564 Class V2 Gresley 2-6-2 60860 "Durham School" in
BR lined black early emblem (Bac).....£94



32-261 Class WD Austerity 2-8-0 90441 in BR black early
emblem (Bac).....£110.42

32-260DC Class WD Austerity 2-8-0 90448 in BR black with late crest.
DCC On Board (Bac).....£125.29



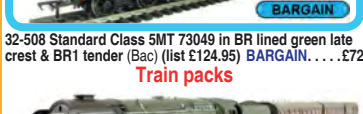
31-979A Standard Class 3MT tank 82001 in BR black
early emblem - weathered (Bac).....£80.71

31-979 Standard Class 3MT tank 82001 BR lined black early emblem (Bac) £78.42



32-360 Standard Class 4MT 2-6-4 tank 80121 in BR lined
black late crest (Bac).....£84.96

R3016 Standard Class 4MT 4-6-0 75072 in BR black early emblem (Hor).....£105



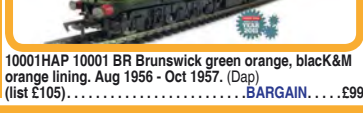
32-508 Standard Class 5MT 73049 in BR lined green late
crest & BR1 tender (Bac) (list £124.95) **BARGAIN**...£72



R3192 Class 8 4-6-2 71000 "Duke Of Gloucester" in BR
green late crest Special Edition train pack (Hor).....£142



R3133 East Coast "Flying Scotsman" Train Pack Class 91
electric loco, DVT & 2 Mk4 coaches (Hor).....£144



10001HAP 10001 BR Brunswick green orange, black&M
orange lining. Aug 1956 - Oct 1957. (Dap)
(list £105).....£99



R3049 Class 08 0-6-0 Diesel Shunter 08417 in Serco
Livery (Hor).....£77



1405 Class 14 "Teddy Bear" (ex British Rail Green) Blue Circle
Cement (ex D9526) (Weathered). (Hel) (list £115) **BARGAIN**...£75

1404 Class 14 "Teddy Bear" 14701 Loadhaul Livery. Ltd Ed of 200
certificate. (Hel).....£115

1406 Class 14 "Teddy Bear" British Steel 45 (Ex British Rail) Green
(Weathered) wasp ends. (Hel) (list £115).....£75

1404 Class 14 "Teddy Bear" D9521 BR Green (pristine) (Hel)
(list £105).....£89

1403 Class 14 "Teddy Bear" D9535 BR Green (weathered) (Hel)
(list £115).....£89



1600 Class 16 North British diesel D8400 BR green grey roof.
Ltd Ed of 750 pcs (Hel).....£107

1601 Class 16 North British diesel D8401 BR green small yellow warning
panels. Ltd Ed of 750 (general release). (Hel).....£107

1605 Class 16 North British diesel D8405 BR green small yellow warning
panels. Weathered. Ltd Ed of 750 (general release) (Hel).....£115



1715 Class 17 diesel D8511 in green small yellow
panels (Hel).....£87

1716 Class 17 diesel D8585 in green small yellow panels (Hel).....£87

1717 Class 17 diesel D8606 in green full yellow ends (Hel).....£87



32-037 Class 20 20901 in GBRf (Bac).....£72.21



4D-012-003 Class 22 B-B Diesel Hydraulic D6311 in BR
green small yellow panels & disc headcode box (Dap).....£103

4D-012-002 Class 22 B-B Diesel Hydraulic D6327 in BR Green.
Amended yellow panels and disc headcode box (Dap).....£103

D1000H Class 22 B-B Diesel Hydraulic D6328 (front A) BR Blue full yellow
ends (Dap).....£98



2311 Class 23 Baby Deltic D5906 in BR green small
yellow panels (Hel) (list £119.95).....£76

2310 Class 23 Baby Deltic D5907 in BR Green small yellow ends - gloss
finish. (Hel) (list £119.95).....£72

2323 Class 23 Baby Deltic D5909 green headcode discs and no frost
grilles - weathered (Hel).....£112



2300 Class 23 Baby Deltic diesel D5900 in BR Green
Small Yellow Panels and 4 character headcode. (Hel)
(list £119.95).....£76

2308 Class 23 Baby Deltic diesel D5900 in BR Green large yellow ends.
(Hel) (list £119.95).....£72



32-431DC Class 24 24077 in BR blue indicator discs.
DCC On Board (Bac).....£89.21



2660 Class 26/0 diesel D5300 in BR green early version,
semi gloss (Hel) **NEW**.....£95

2661 Class 26/0 diesel D5301 in BR green early version (Hel) **NEW**.....£95

2664 Class 26/0 diesel D5302 in BR green small yellow panels (Hel) **NEW**.....£95

2662 Class 26/0 diesel D5309 in BR green early version (Hel) **NEW**.....£95

2665 Class 26/0 diesel D5312 in BR green - weathered (Hel) **NEW**.....£103

2663 Class 26/0 diesel D5317 in BR green small yellow panels (Hel) **NEW**.....£95

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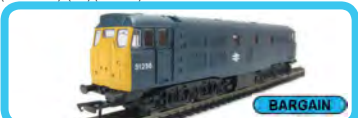
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2724 Class 27 BRCW Sulzer diesel D5353 in BR green (Hel) (list £99.95) **BARGAIN** £69
2723 Class 27 BRCW Sulzer diesel D5361 in BR green small yellow panels (Hel) (list £99.95) **BARGAIN** £69
2708 Class 27 BRCW Sulzer diesel D5381 in BR green small yellow panels (Hel) (list £99.95) **BARGAIN** £69
2709 Class 27 BRCW Sulzer diesel D5389 in BR blue small yellow panels (Hel) (list £99.95) **BARGAIN** £69



2800 Class 28 Co-Bo Diesel D5700 Full BR Green - modified windows. (Hel) (list £125) **BARGAIN** £84
2811 Class 28 Co-Bo Diesel D5702 BR Green Small Yellow Panels. (Hel) (list £125) **BARGAIN** £100
2801 Class 28 Co-Bo Diesel D5705 BR Green Small Yellow Panels (as preserved). (Hel) (list £125) **BARGAIN** £89
2807 Class 28 Co-Bo Diesel D5711 in Full BR Green modified windows. (Hel) (list £125) **BARGAIN** £89
2803 Class 28 Co-Bo Diesel D5718 BR Green Small Yellow Panels (Weathered). (Hel) (list £132) **BARGAIN** £98



R3067 Class 31 Diesel Electric 31256 BR Blue (Railroad Range) (Hor) (list £64.99) **BARGAIN** £57



R2963 Class 31/4 31439 diesel in Regional Railways "North Yorkshire Moors Railway" DCC Ready. (Hor) £109
3382 Class 33/0 D6579 in BR Blue full yellow ends (Hel) (list £89) **BARGAIN** £60
3433 Class 33/0 diesel 33002 "Sea King" in Engineers yellow & grey (as preserved at the South Devon Railway) (Hel) £95
3434 Class 33/0 diesel 33033 Railfreight Construction Sector triple grey (Hel) £95
3432 Class 33/0 diesel 33059 in BR blue full yellow ends (Hel) £95



3431 Class 33/0 diesel 6544 in BR blue full yellow ends (Hel) £95
3410 Class 33/0 diesel D6507 in early BR green (Hel) £95
3414 Class 33/0 diesel D6570 BR green full yellow ends and BR coach roundels (Hel) £95



3411 Class 33/0 diesel D6577 in early BR green (Hel) £95
V2112 Class 37 diesel 37426 Intercity Mainline "Y Lein Fach Vale of Rhedri" (VI) £70



32-781A Class 37/0 37034 BR Blue Split Head Code - weathered (Bac) £97.71



32-480DS Class 40 D211 "Mauretania" in BR green indicator discs. DCC Sound on board (Bac) £208
32-481 Class 40 D369 in BR green centre head code (Bac) £81.56



4748 Class 47 Un-numbered BR green full yellow ends (Hel) (list £89) **BARGAIN** £60
31-658 Class 47/0 47190 "Pectinidae" BR Petroleum Sector - weathered (Bac) £101.96
31-650DC Class 47/0 D1677 Thor BR green full yellow ends. DCC On Board (Bac) £106.21



32-816 Class 47/3 47365 "Diamond Jubilee" BR Railfreight Distribution (Bac) £93.46
31-653 Class 47/7 47710 "Sir Walter Scott" in BR ScotRail (Bac) £86.36



32-817 Class 47/7 47745 "Royal London Society For The Blind" in RES red & grey (Bac) £93.46



32-815 Class 47/8 47834 "Fire Fly" BR Intercity Swallow (Bac) £93.46



4D-003-007 Class 52 diesel D1012 "Western Firebrand" in BR maroon small yellow panels (Dap) £119
4D-003-006 Class 52 diesel D1065 "Western Consort" in BR maroon small yellow panels (Dap) £119



32-526DS Class 55 Deltic 55018 "Ballymoss" in BR blue. DCC Sound (Bac) £180



32-529B Class 55 Deltic D9011 in BR two-tone green. Weathered (advertised earlier as "pristine") (Bac) £93.46



R3141 Class 60 diesel DB Schenker "Tata Steel" (Hor) £120



32-734A Class 66 diesel 66101 in DB Schenker - weathered (Bac) £97.71
R3182 Class 66 diesel 66736 "Wolverhampton Wanderers" in GBRI (Hor) £57



32-736 Class 66 diesel 66846 in Colas Rail (Bac) £93.46



32-980 Class 66/9 66731 "InterhubGB" in GBRI Europorte (Bac) £93.46



R3183 Class 67 diesel loco 67002 in Arriva Trains Wales (Hor) £108



31-587DC Class 70 PowerHaul diesel 70004 in Freightliner. DCC On Board (Bac) £112.50
31-588 Class 70 PowerHaul diesel 70005 Freightliner - weathered (Bac) £130.01



31-995 Class D/16 LMS 10000 in BR Brunswick green lined orange & black (Bac) £99
31-996 Class D/16 LMS 10000 BR Brunswick green, part eggshell blue waistband (Bac) £99



4011 English Electric DP2 prototype in BR two-tone green (as per 1965 until withdrawal in 1967) (Hel) (list £129.95) **BARGAIN** £89



MM7071 Irish Class 071/111 diesel loco 071 in IE grey yellow end panels. Ltd production of 250 pieces (Mur) £135



MM0077 Irish Class 071/111 diesel loco in IE orange 077 (Mur) £125



MM0210 Irish Class 201 diesel 210 in CIE orange full yellow ends (Mur) £126



31-678 Class 85 (AL5) Bo-Bo Electric 85026 in BR Blue single pantograph (Bac) (list £112.45) **BARGAIN** £78
31-677 Class 85 (AL5) Bo-Bo Electric 85056 in BR Blue single pantograph. (Bac) (list £112.45) **BARGAIN** £80



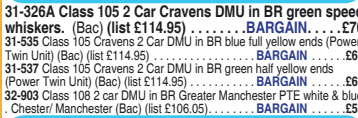
R3149 Class 92 Co-Co electric loco in DB Schenker (Hor) £62
R3135 Class 92 electric loco 92032 in GBRI (Hor) £62



R3047 Class 101 2 Car DMU in Strathclyde PTE orange (Hor) £88
31-325 Class 105 2 car Cravens DMU in BR blue yellow ends. Norwich / Lowestoft (Bac) (list £114.95) **BARGAIN** £70



31-326A Class 105 2 Car Cravens DMU in BR green speed whiskers. (Bac) (list £114.95) **BARGAIN** £70
31-535 Class 105 Cravens 2 Car DMU in BR blue full yellow ends (Power Twin Unit) (Bac) (list £114.95) **BARGAIN** £67
31-537 Class 105 Cravens 2 Car DMU in BR green half yellow ends (Power Twin Unit) (Bac) (list £114.95) **BARGAIN** £63
32-903 Class 108 2 car DMU in BR Greater Manchester PTE white & blue. Chester/ Manchester (Bac) (list £106.05) **BARGAIN** £58



32-906 Class 108 2 Car DMU in BR green half yellow ends (Bac) (list £139.95) **BARGAIN** £69
32-905 Class 108 2-car DMU in BR blue & grey full yellow ends (Bac) (list £139.95) **BARGAIN** £59
32-912 Class 108 3 Car DMU BR blue full yellow ends (Bac) (list £169.95) **BARGAIN** £74
8983 Class 128 DPU BR Blue full yellow ends and Midland style fronts (Hel) £94
8981 Class 128 DPU BR Green small yellow panels and Midland style fronts (Hel) £94
8990 Class 128 DPU BR Green speed whiskers & Midland style fronts (Hel) £94



8941 Class 128 DPU in Royal Mail red full yellow ends and flush fronts (Hel) £94



32-925 Class 150/1 2-car DMU in First North Western. Preston/ Blackpool (Bac) (list £105) **BARGAIN** £53



32-515A Derby Lightweight 2 Car DMU in BR green half yellow ends (Bac) £123.21
32-516A Derby Lightweight 2 Car DMU BR green speed whiskers (Bac) £123.21



8705 Railbus W&M E79961 in green - gloss (Hel) (list £119.95) **BARGAIN** £69
8704 Railbus W&M E79962 in green large yellow panel - weathered. (Hel) (list £129.95) **BARGAIN** £79
8710 Railbus W&M Laboratory 20 "Elliott" RTC red & blue (Modelzone Exclusive) (Hel) £97



8800 Railcar W79975 in BR light green speed whiskers & semi-gloss finish (Hel) £94



R4529 1967 Brighton Belle Car (Pullman Trailer 1st W/ Kitchen) No.2 (Hor) £37
R4528 1967 Brighton Belle Car (Pullman Trailer 1st W/Kitchen) No.1 (Hor) £37
R4527 1967 Brighton Belle Car (Pullman Trailer 3rd) (Hor) £37



31-030 Class 350/1 Desiro 4 Car EMU 350 111 "Apollo" in Silver Link (unbranded) (Bac) **BARGAIN** £109
31-032 Class 350/1 Desiro 4-Car EMU 350 102 in London Midland (Bac) (list £189.95) **BARGAIN** £127
31-031 Class 350/2 Desiro 4 Car EMU 350 238 in London Midland (Bac) (list £189.95) **BARGAIN** £127



R3185 Class 395 Javelin 4 car EMU "Sir Chris Hoy" in Southeastern (Hor) £132
R3161A Class 401 2-BIL 2-car EMU 2041 in SR green DCC ready (Hor) £99
R3161AX Class 401 2-BIL 2-car EMU 2041 in SR green. DCC fitted (Hor) £114
R3162AX Class 401 2-BIL 2-car EMU 2142 in BR green DCC Fitted (Hor) £114



R3162A Class 401 2-BIL 2-car EMU 2142 in BR green DCC Ready (Hor) £99



31-375 Class 416 2-car EPB EMU in BR blue (Bac) (list £119.50) **BARGAIN** £69
31-267 Class 419 Motor Luggage Van (MLV) in BR blue & grey (Bac) £83.26
31-265 Class 419 Motor Luggage Van (MLV) BR Southern Region green (Bac) £83.26



31-266 Class 419 Motor Luggage Van (MLV) in BR Southern Region green yellow panel (Bac) £83.26



R2946 Class 423 VEP 4 car EMU in BR Blue (Hor) (list £180.99) **BARGAIN** £118



R2988 Class 5BEL Pullman Brighton Belle 1967 2 Car Pack (2 x Drive MTR. Brake 3rd) (Hor) £100



B859NRBG MRA side-tipping ballast train. 5 car unit & generator vehicle. Network Rail blue/grey. Pristine (B859B) (Dap) £100



B859NRY2 MRA side-tipping ballast train. 5 car unit & generator vehicle. Network Rail yellow new running number. Pristine (B859A) (Dap) £118
B800 Non-motorised OO Track Cleaner motorised cleaning heads & vacuum blue (Dap) £56

Prices valid until 09/07/14

Orders received after this date for products that have increased in price will be given a refund



B800BR Blue Non-motorised OO Track Cleaner motorised cleaning heads and vacuum in BR blue (Dap)£52



B800BR Green Non-motorised OO Track Cleaner motorised cleaning heads and vacuum in BR green (Dap)£52

Track cleaning fluid
B805 100ml of track cleaning fluid for the B800 Track cleaner (Dap) ... £7

Train sets - analogue



30-042 DCC starter train set 0-6-0 Saddle Tank loco & 0-6-0 Junior Diesel Shunter, 2 wagons, brake van & 36-500 controller (Bac)£127.49



R1171 Flight Of The Mallard train set LNER Class A4 4-6-2 'Mallard' steam loco & 3 teak coaches (Hor) ...£144



R1167 Flying Scotsman Set 3 x LNER coaches (loco has 3-pole motor) (Hor)£120



30-077 Midnight Metropolitan 32-217 style London Transport maroon pannier (different number to 30-076 version) (Bac)£89.24



30-125 St. Blazey Hauler set BR Blue Class 08 08839, 2 x China clay wagons & Brake van (Bac)£80.74

Train sets - DCC



R1173 e-Link DCC Western Master train set GWR Class 2721 steam loco & 3 wagons (Hor)£120



R1172 e-Link Majestic train set A1 Pacific Peppercorn Class in Experimental blue & BR Class 47 (Hor)£340



R1125 Somerset Belle train set Class 3F 0-6-0 S&DJR 0-6-0 steam loco & 3 wagons - DCC control (Hor)£134

Coaches



R4174C LNER 61'6" sleeping car in LNER teal (Hor) ...£59

R4574 LNER Thompson Teak effect Non-Corridor Brake third class coach (Hor)£40

R4572 LNER Thompson Teak effect Non-Corridor Composite (Lavalory) (Hor)£46



R4573 LNER Thompson Teak effect Non-Corridor Third Class. (Hor) (list £48.99)BARGAIN£32



R4475 Pullman 12-wheel 3rd Class Parlour Car 'Car No. 97' (Hor) (list £50.49)BARGAIN£29

R4480 Pullman 1st Class Kitchen Car 'Minerva' - Matchboard type (Hor) (list £49.99)BARGAIN£25

R4478 Pullman 1st Class Parlour Car 'Leona' - Matchboard type (Hor) (list £49.99)BARGAIN£25

R4483 Pullman 1st Class Parlour Car 'Onyx' - Flush Sided (Hor) (list £49.99)BARGAIN£25



R4482 Pullman 3rd Class Brake 'Car No. 65' Matchboard type (Hor) (list £49.99)BARGAIN£25

R4487 Pullman 3rd Class Brake Car 'Car No. 63' - Flush Sided (Hor) (list £49.99)BARGAIN£25

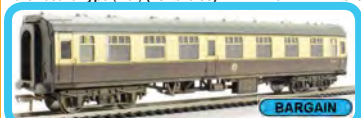
R4481 Pullman 3rd Class Kitchen 'Car No. 60' - Matchboard type (Hor) (list £49.99)BARGAIN£25

R4486 Pullman 3rd Class Kitchen 'Car No. 61' - Flush Sided (Hor) (list £51.49)BARGAIN£25

R4429 Pullman 3rd Class Kitchen car 'No 171' - steel sided (Hor) (list £49.99)BARGAIN£22



R4479 Pullman 3rd Class Parlour Car 'Car No. 34' - Matchboard type (Hor) (list £49.99)BARGAIN£25



39-129C BR Mk1 CK Composite Corridor (WR) chocolate & cream - weathered (Bac) (list £34.95) BARGAIN£18

39-154C BR Mk1 FK First Corridor (WR) chocolate & cream - weathered (Bac) (list £34.95)BARGAIN£18



39-054C BR Mk1 SO Second Open (WR) Chocolate & Cream (Bac)£28.01

R4354 Mk1 SK corridor second BR chocolate & cream. New tooling for 2013 (Hor)£17

39-029E BR Mk1 SK Second Corridor chocolate & cream (Bac)£28.01

39-079C BR Mk1 BSK Brake Second Corridor (WR) Chocolate & Cream - weathered (Bac)£29.71



R4406A BR Hawksworth: (Pre 1953) Brake 3rd. (Hor) (list £40.25)BARGAIN£21



R4407A BR Hawksworth (Pre 1953) Composite coach in BR carmine & cream (Hor) (list £38.99) BARGAIN£22

R4493A BR Hawksworth (pre 1953) 1st Class Coach (Hor) (list £38.99)BARGAIN£21

R4408A BR Hawksworth: (Pre 1953) 1st / 3rd Brake in BR Carmine & Cream (Hor) (list £40.25)BARGAIN£21

39-227D BR Mk1 BCK Brake Composite Corridor Crimson & Cream. (Bac)£22



39-252C BR Mk1 RFO Restaurant Car Crimson & Cream - Weathered (Bac) (list £29.75)BARGAIN£16

39-027H BR Mk1 SK Second Corridor (WR) Crimson & Cream - Weathered (Bac)£29.71



R4411A BR Hawksworth: (Post 1953) Brake 3rd in BR Maroon (Hor) (list £40.25)BARGAIN£21.50

R4412A BR Hawksworth: (Post 1953) Composite in BR Maroon (Hor) (list £38.99)BARGAIN£22



R4569 BR (Ex LNER) 61' 6" Corridor Buffet Car in maroon (Hor)£44

R4499 BR Hawksworth (Post 1953) First Class in BR Maroon (Hor) (list £38.99)BARGAIN£22

R4409A BR Hawksworth (Post 1953): Gangway Passenger Brake in BR Maroon (Hor) (list £38.99)BARGAIN£22



39-500 Pack of 4 BR Mk1 SLF Sleeper Car in maroon (Bac) (list £155.80)BARGAIN£122

39-500 Single (Bac)£33

39-502 BR Mk1 SLSTP Sleeper Car in maroon (Bac)£33

39-502 Pack of 4 (Bac) (list £155.80)BARGAIN£122

R4566 BR (Ex LNER) 61' 6" Corridor Brake Composite in maroon (Hor)£44

R4413A BR Hawksworth: (Post 1953) 1st / 3rd Brake in BR Maroon (Hor) (list £40.25)BARGAIN£21



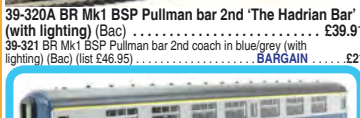
R4350 Mk1 CK corridor composite in BR maroon. New tooling for 2013 (Hor)£17

39-176F BR Mk1 BG Full Brake Maroon - weathered (Bac)£29.71

R4352 Mk1 BSK brake second BR maroon. New tooling for 2013 (Hor)£17

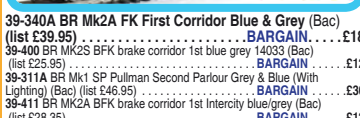
34-325C Pendolite 50t Parcels Van in BR maroon - weathered (Bac)£21.21

34-654C Thompson 63ft full brake in BR maroon (Bac)£23.76



39-320A BR Mk1 BSP Pullman bar 2nd 'The Hadrian Bar' (with lighting) (Bac)£39.91

39-321 BR Mk1 BSP Pullman bar 2nd coach in blue/grey (with lighting) (Bac) (list £46.95)BARGAIN£21



39-340A BR Mk2A FK First Corridor Blue & Grey (Bac) (list £39.95)BARGAIN£18

39-400 BR Mk2S BFK brake corridor 1st blue grey 14033 (Bac) (list £25.95)BARGAIN£12

39-311A BR Mk1 SP Pullman Second Parlour Grey & Blue (With Lighting) (Bac) (list £46.95)BARGAIN£30

39-411 BR Mk2A BFK brake corridor 1st Intercity blue/grey (Bac) (list £28.35)BARGAIN£12

39-381 BR Mk2A BSO brake open 2nd Intercity blue/grey SC9424 (Bac) (list £25.95)BARGAIN£12

39-380A BR Mk2A BSO Brake Second Open Blue & Grey (Bac) (list £39.95)BARGAIN£18



39-425 Pack of 4 BR Mk1 POS Post Office Sorting Van in BR Blue & Grey. (Bac) (list £155.80)BARGAIN£89

39-425 Single (Bac) (list £38.95)BARGAIN£23



39-175D BR Mk1 BG Full Brake Express Parcels blue & grey (Bac)£24.01

39-301A BR Mk1 SK Pullman Second Kitchen Grey & Blue (With Lighting) (Bac) (list £46.95)BARGAIN£21

39-501 BR Mk1 SLF Sleeper Car in blue & grey (Bac)£33

39-501 Pack of 4 (Bac) (list £155.80)BARGAIN£122

34-652B Thompson 63ft full brake BR blue - weathered (Bac) (list £28.95)BARGAIN£17



39-430 Pack of 4 BR Mk1 POS Post Office Sorting Van in Royal Mail Letters Large Red. (Bac) (list £155.80)BARGAIN£89

39-430 Single (Bac) (list £38.95)BARGAIN£25



39-435 Pack of 4 BR Mk1 POS Post Office Sorting Van Royal Mail Travelling Post Office Red (Bac) (list £155.80) BARGAIN£89

39-435 Single (Bac) (list £38.95)BARGAIN£25

R4271A Pendolite trailer standard buffet (non-working pantograph) PTSRMB (Hor) (list £41.49)BARGAIN£22

R296 Track cleaning coach (Hor)£22

Wagons

Wchass10 10 foot wagon chassis (Dap)£5.50



38-191B 10 Ton insulated van in BR white (Bac) ...£11.86



38-113A Pack of 4 100 ton TEA bogie tank wagon in Esso grey (Bac) (list £130)BARGAIN£72

38-113A Single (Bac) (list £32.50)BARGAIN£19

38-113A Megapack of 8 (Bac) (list £260)BARGAIN£139

38-576 12 Ton Fish Van BR Bauxite (Early) (Bac) NEW£11.86



38-577 12 Ton Fish Van BR Bauxite (Late) (Bac) NEW£11.86

38-575 12 Ton Fish Van LNER Oxide (Bac) NEW£11.86

37-778C 12 ton mogi van in GWR grey (Bac)£11.86

38-476 12 ton non-ventilated van corrugated ends BR bauxite (late) (Bac)£11.86

38-476 Pack of 4 (Bac) (list £111.60)BARGAIN£43

38-476 Megapack of 8 (Bac) (list £111.60)BARGAIN£82

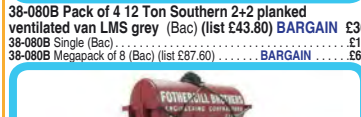


37-903A 12 ton planked shock absorbing van corrugated ends in BR bauxite (Bac)£7

37-902A 12 ton planked shock absorbing van planked ends BR bauxite (Bac)£7

38-1700C 12 ton plywood ventilated van in BR Bauxite (early) (Bac)£11.86

38-1717C 12 ton plywood ventilated van in BR Bauxite (late) (Bac)£11.86



38-080B Pack of 4 12 Ton Southern 2+2 planked ventilated van LMS grey (Bac) (list £43.80) BARGAIN£36

38-080B Single (Bac)£10

38-080B Megapack of 8 (Bac) (list £87.60)BARGAIN£68



R6569 12 Ton Tanker "Fothergill Bros" (Hor) (list £13.49)BARGAIN£9

38-380A 12 ton ventilated van corrugated ends BR bauxite (early) (Bac)£11.86

38-375A 12 ton ventilated van planked ends in LNER oxide (Bac)£11.86



38-450 Pack of 4 13 ton Hyfit steel open wagon in BR bauxite (early) (Bac) (list £39.80)BARGAIN£30

38-450 Single (Bac)£8

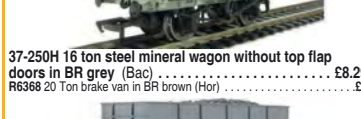
38-450 Megapack of 8 (Bac) (list £79.60)BARGAIN£56

37-662 14 Ton tank wagon in Pease & Partners (Bac)£12.71



37-684 14 Ton tank wagon large filler in "Esso" silver (Bac)£12.71

37-685 14 Ton tank wagon large filler in M&L Petroleum Oils (Bac)£12.71

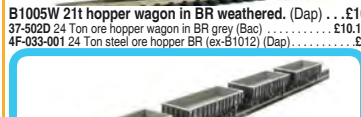


37-226F Pack of 4 16 ton steel mineral wagon top flap doors in BR bauxite (Bac) (list £47.80) BARGAIN£34

37-226F Single (Bac)£10.16



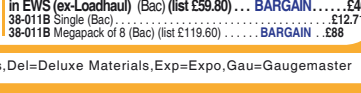
B1005 21 Ton hopper wagon in BR (Dap)£9



B1005W 21t hopper wagon in BR weathered. (Dap)£10

37-502D 24 Ton ore hopper wagon in BR grey (Bac)£10.16

48-033-001 24 Ton steel ore hopper BR (ex-B1012) (Dap)£8



38-011B Pack of 4 24 Tonne glw MFA open box mineral wagon in EWS (ex-Loadhaul) (Bac) (list £59.80)BARGAIN£46

38-011B Single (Bac)£12.71

38-011B Megapack of 8 (Bac) (list £119.60)BARGAIN£88

Opening Hours

Shop 8am to 6pm Mon to Sat
10am to 4pm Sun



Phones 7am to 9pm Mon to Thu
8am to 6pm Fri & Sat
9am to 5pm Sun



33-404 25 Ton Pill Box brake van in BR Departmental olive green (Bac) £11
33-425G 25 Ton Queen Mary brake van in BR bauxite (Bac) £16.11
33-826B 25 Ton Queen Mary brake van in BR Departmental olive (Bac) £16.11
37-930C 3 plank wagon in BR bauxite BD container in BR crimson (Bac) £11.01



33-928B 30 Ton bogie bolster in BR grey grey steel girders (Bac) £12.71
33-856D 30 Ton bogie bolster wagon in BR grey (Bac) £11.86



38-041B Pack of 4 31 Tonne OBA open wagon in Railfreight (Bac) (list £77.80) BARGAIN £60
38-041B Single (Bac) £16.53
38-041B Megapack of 8 (Bac) (list £155.60) BARGAIN £116



38-058 Pack of 4 31 tonne OCA dropside open wagon in EWS - weathered (Bac) (list £87.80) BARGAIN £39
38-058 Single (Bac) (list £21.55) BARGAIN £11
38-058 Megapack of 8 (Bac) (list £175.60) BARGAIN £76



38-125A Pack of 4 35 Ton VBA box van sliding door in EWS (Bac) (list £78.80) BARGAIN £42
38-125A Single (Bac) (list £19.70) BARGAIN £11
38-125A Megapack of 8 (Bac) (list £157.60) BARGAIN £79



4F-040-009 4 plank wagon 'Cadbury' (Dap) £9
4F-040-010 4 plank wagon 'Cadbury' - weathered (Dap) £10



38-130A Pack of 4 40 Tonne YGH Sealion bogie hopper wagon in olive green - weathered (Bac) (list £131.80) BARGAIN £106
38-130A Single (Bac) £28.01



33-879A Pack of 4 45 Ton bogie well wagon in LNER grey boiler load (Bac) (list £59.80) BARGAIN £44
33-879A Single (Bac) £12.71
33-879A Megapack of 8 (Bac) (list £119.60) BARGAIN £82



37-584 45 ton TTA tank in Ciba-Geigy (Bac) £13.56
37-586 45 Ton TTA tank in Fina (Bac) £13.56
37-582C 45 ton TTA tank in Shell black (Bac) £13.56



38-020A Pack of 4 46 Tonne glw CEA covered hopper wagon in EWS - weathered (Bac) (list £73.80) BARGAIN £58
38-020A Single (Bac) £15.88
38-020A Megapack of 8 (Bac) (list £147.60) BARGAIN £110



33-080D 5 plank china clay wagon hood in BR bauxite - weathered (Bac) £7.99



37-036 Pack of 4 5 plank wagon steel floor in Tarbitumac (Bac) (list £37.60) BARGAIN £26
37-036 Single (Bac) £7
4F-031-010 6 wheel milk tanker 'Express Dairy' - weathered (Dap) £12
4F-031-006 6 wheel milk tanker 'MMB' - weathered (Dap) £12
4F-031-019 6 wheel milk tanker 'United Dairies' (Dap) £11



37-081F 7 plank end door wagon in BR grey (Bac) £10.63
37-112 7 plank fixed end wagon 'North Sea Coaling, Co' (Bac) £10.63
R6578 7-plank wagon Pentwyn Black Vein Colliery (Hor) £7



37-158C 8 plank end door wagon in BR grey (Bac) £11.01



38-151B Pack of 4 80 Tonne glw BDA bogie bolster wagon in Railfreight (Bac) (list £87.20) BARGAIN £49
38-151B Single (Bac) (list £21.80) BARGAIN £13
38-151B Megapack of 8 (Bac) (list £174.40) BARGAIN £96



38-351A BAA steel carrier steel coils in Railfreight Metals (Bac) £22.06
R6639 BR 12 Ton Parcels Van SPV A. New tooling for 2013 (Hor) £9
R6613 BR 20 Ton Car (Railfreight) Brake Van (Hor) £14
R6614 BR 20 Ton Car Brake Van (Hor) £14



R6623 BR Horse Box (Ex GWR) (Hor) £17
R6369 Breakdown crane in yellow (Hor) £17



38-350A BZA steel carrier steel coils in EWS (Bac) £22.06



5105Hel Pack of 4 Cargowagon IPE/IGE557 bogie flat 4647 007 Corus Rail brandings (Hel) (list £132) BARGAIN £56
5105Hel Single (Hel) (list £33) BARGAIN £15



5107 Pack of 4 Cargowagon IPE/IGE557 bogie flat 4747 028 in weathered Cargowagon (Hel) (list £152) BARGAIN £62
5107 Single (Hel) (list £38) BARGAIN £17
4F-037-102 Conflat wagon & container 'Pickfords' (Dap) £11
37-960 Conflat wagon in BR bauxite A container in BR crimson (Bac) £11.86



4100 Dogfish ballast wagons - Civil Engineers 'Dutch'. Lightly weathered, unloaded - Pack of 4 (Hel) (list £69) BARGAIN £39



38-347 FNA nuclear flask wagon sloping floor & oval buffers in standard Buff (Bac) (list £26.95) BARGAIN £19



38-346 FNA nuclear flask wagon sloping floor, changeover valve & round buffers in standard Buff (Bac) £21
R6366 Fuel wagon pack with Shell, Texaco & Total tankers (Hor) £12



4F-060-008 Grampus wagon DB990488 in BR black - weathered (Dap) £13



38-678 GWR Shunters Truck BR Black 'Loco Dept.' (Bac) £15.26



37-313 Intermodal bogie wagon 2 x 45ft containers in Maersk (Bac) £42.46
37-314 Intermodal bogie wagon 2 x 45ft containers in Seafarmer (Bac) £42.46



BHSPEC856d IOA Network Rail bogie ballast wagon. 70 5992 033-3. Hatton's Limited edition of 500. Pristine (Dap) £12
Pristine (Dap) (list £19.95) BARGAIN £12
BHSPEC856b IOA Network Rail bogie ballast wagon. 70 5992 045-3. Hatton's Limited edition of 500. Pristine (Dap) (list £19.95) BARGAIN £12
BHSPEC856a IOA Network Rail bogie ballast wagon. 70 5992 102-1. Hatton's Limited edition of 500. Pristine (Dap) (list £19.95) BARGAIN £12



38-250 Pack of 4 IPA twin double deck car transporter in 'STVA' red (Bac) (list £199.80) BARGAIN £160
38-250 Single (Bac) £42.46



38-212A Pack of 4 JJA auto ballaster in Railtrack curved top profile (4 per rake each Generator wagon) (Bac) (list £199.80) BARGAIN £160
38-212A Single (Bac) £42.46



BHSPEC779c KTA Intermodal pocket wagon in debranded ex-Tiphook (weathered) 97743. (Dap) (list £26.95) BARGAIN £19



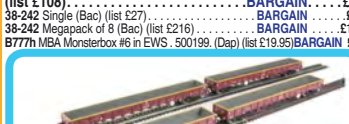
R6640 LMS 4 Wheel CCT Van. New tooling for 2013 (Hor) £12



38-240 Pack of 4 MBA Megabox high-sided bogie box wagon in EWS (with buffers) (Bac) (list £100.80) BARGAIN £62
38-240 Single (Bac) (list £25.20) BARGAIN £16
38-240 Megapack of 8 (Bac) (list £201.60) BARGAIN £119



38-242 Pack of 4 MBA Megabox high-sided bogie box wagon in EWS - weathered (without buffers) (Bac) (list £108) BARGAIN £54
38-242 Single (Bac) (list £27) BARGAIN £14
38-242 Megapack of 8 (Bac) (list £216) BARGAIN £104
B777h MBA Monsterbox #6 in EWS. 500199. (Dap) (list £19.95) BARGAIN £15



38-245 Pack of 4 MOA Monsterbox low-sided bogie box wagon in EWS (Bac) (list £105.80) BARGAIN £54
38-245 Single (Bac) (list £26.45) BARGAIN £14
38-245 Megapack of 8 (Bac) (list £211.60) BARGAIN £100



38-300 Pack of 4 OTA (ex-VDA) timber carrier lumber load in BR Railfreight (Bac) (list £99.80) BARGAIN £80
38-300 Single (Bac) £21.21



38-301 OTA (ex-VDA) timber carrier lumber load in EWS (Bac) £21.21
38-301 Pack of 4 (Bac) (list £99.80) BARGAIN £80



R6470 OTA Timber Carrier 112182. Pre-privatisation era (Hor) £14



38-185 Pack of 3 12 Ton ventilated vans in BR bauxite (late) - weathered (Bac) £33.96



37-672 Pack of 3 14 Ton tank wagons in British Tar - weathered (Bac) £38.21



37-671 Pack of 3 14 Ton tank wagons in Fina - weathered (Bac) £38.21



37-096 Pack of 3 7 plank 'Coal trader' BR (P numbered) wagons - weathered (Bac) £27.16
37-981 Pack of 3 Conflat wagons in BR bauxite AF containers in light blue - weathered (Bac) £36.51



37-982 Pack of 3 Conflat wagons in BR bauxite BD containers in BR crimson - weathered (Bac) £36.51



38-650 PCA Metalair Bulk Powder Wagon 'Blue Circle Cement' (Bac) NEW £14.41
38-651 PCA Metalair Bulk Powder Wagon Grey (Bac) NEW £14.41
38-652 PCA Metalair Bulk Powder Wagon Grey - weathered (Bac) NEW £15.26



R6371 Pack of 6 Petrol tanker wagon in Shell black (Hor) (list £37.50) BARGAIN £33
R6371 Single (Hor) £6
4F-039-001 Telescopic hood wagon Tiphook blue & grey #589 9 061 5 (Dap) £21



R6622 ZFO/ZFP (Trout) Ballast Hopper. (Hor) £14



R8250 Standard Train Controller (an alternative to R965). Use R964 or P9200 transformer (Hor) £21



DCR-21PIN-Direct 21-pin 4-function 1.1amp direct plug decoder back EMF (Hat) £12
DCR-21PIN-Direct Box of 5 (Hat) £57
DCR-21PIN-Direct Box of 10 (Hat) £110
X9659 4-pin decoder for some train set locos and Sentinels (Hor) £10

Visit

www.ehatts.com/new

for new releases



DCC27 8 & 21-pin 4-function 1A (1.8A peak) small OMNI decoder (measures 231 x 27w x 10d mm) (Gau). £16
DCC-S2SAP 8-pin 2-function S Series decoder self-adjusting back EMF & Stay Alive (DCC). £21



R8249 8-pin 4-function 2-sided 0.5A (1A peak) decoder (Hor). £14
R8249 Box of 6 (Hor). £76



R8245 Sapphire digital decoder 1A current 1.5A stall (21 & 8-pin adapter included) (Hor). £32

DCC accessory decoders

PC2 One Touch DCC Quad point controller x 4 (Tra) £32
DCC-ADS6 Solenoid accessory decoder (8-way) (DCC). £41

DCC controllers

R8235 DCC Select Walkabout R8236 RJ12 connecting lead (Hor). £63



36-500 EZ Command DCC controller - boxed (Bac) £75.18

DCC accessories

R8241 Digital Power Track (Hor). £5



R8239 Power and Signal Booster - can be used any DCC controlled system (Hor). £74

Point motors

DCP-CB6D Cobalt slow-action digital DCC point motor x 6 (DCC) £110
R8014 Mark 2 Point Motor (Hor). £7



TT300 Slow motion DCC point motor (Tra) £20



R8243 Surface Mounted point motor (Hor). £7

Electronic components

R8211 Rolling road for all types of steam loco (utilises live rollers) (Hor). £48

Lighting equipment



DML-MBS Buffer stop lamps x 2 (DCC) £22.95
AL3 Coach light (constant) (Tra) £13
TSV203 Converted gas light (x4) 12V (Tra) £9.50



GM56 OO Buffer lights x 2 (Gau). £10
DML-MLS8 Pack of 8 modern single head station lamps, 2 CCTV (DCC). £48
AL1 Tail Lamp (Flashing) Modern Image (Tra) £13
AL2 Tail Light (Flashing) Flame Effect (Tra) £13

Accessories



SFX10 Steam loco sound capsule (with built in battery, speaker & motion detector) (Tra) £37

Cables & Wires

PL-80 Power feed joiners - Code 100/124 (x4 pairs) (Pec) £6

Spares

SL-111 Finescale insulated rail joiners/fishplates (Code 70, 75 & 83) for OO & HO gauge - Pack of 12 (Pec) £2.30
SL-110 Finescale rail joiners/fishplates (for code 70, 75 & 83) for OO & HO gauge - Pack of 24 (Pec) £2.20
SL-11 Insulated rail joiners/fishplates (for OO, HO & O gauge code 100 rails incl. Hornby, Peco & Peco Streamline) - Pack of 12 (Pec). £2
SL-10 Metal rail joiners/fishplates (for code 100 rails incl. Hornby, Peco & Peco Streamline). For OO, HO & O gauge - Pack of 24 (Pec) £2

05KADEE Universal Metal Coupler and Insulated Draft Gear Box Metal Medium (9/32") Centerset Shank (2 pair) (Kad) NEW £2.40
10KADEE Universal Metal Coupler and Insulated Draft Gear Box Metal Medium (9/32") Centerset Shank (10 pairs) (Kad) NEW £9.40
11KADEE Universal Metal Coupler and Insulated Draft Gear Box Metal Medium (9/32") Centerset Shank (20 pairs) (Kad) NEW £16.50
17KADEE NEM-362 Short Coupler - 7.11 mm (9/32") (w/o Draft Gear Boxes) (2 pair) (Kad) NEW £2.90
18KADEE NEM-362 Medium Coupler - 8.63 mm (11/32") (w/o Draft Gear Boxes) (2 pair) (Kad) NEW £2.90
19KADEE NEM-362 Long Coupler - 10.76 mm (27/64") (w/o Draft Gear Boxes) (2 pair) (Kad) NEW £2.90
20KADEE NEM-362 Extra Long Coupler - 11.68 mm (29/64") (w/o Draft Gear Boxes) (2 pair) (Kad) NEW £2.90
R803 Track cleaner (B800) accessory pack (Dap). £9

Wheel sets



R8218 14.1 mm coach wheels (pack of 10) (Hor). £5
R8264 14.1 mm 2 hole coach wheels (pack of 10) (Hor) £5
36-033 Brass turned coach disc wheels on 10 metal axles - Pack of 20 (Bac) £9.99
36-034 Brass turned wagon disc wheels on 10 metal axles - Pack of 20 (Bac) £9.99
R8097 Metal 3 hole disc wagon wheels on axles (10 axles) (Hor). £5.50
R8096 Metal disc wheels on axles (10 axles) (Hor). £5.50
36-005A Pair of BR Mk1 coach bogies. Identical to 36-005 (Bac). £5.06
36-008A Pair of Commonwealth coach bogies (Bac) £5

Buildings - railways



PO213 2 Road Red Brick Engine Shed & Workshop Building (Card Kit) (Met) £13
44-065 Art Deco Platform Centre Building (Bac) £17



BARGAIN

44-086 Ash Plant (based on Carnforth, Lancashire) (Bac) (list £79.95) £47
44-163 Blue Anchor Station (136 x 90 x 68mm) (Bac) £29.71

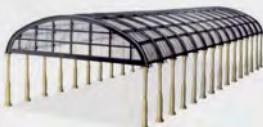


BARGAIN

44-087 Bluebell Waiting Room (Bac) (list £44.95) BARGAIN. £22



44-173 Brick Servicing Depot (320 x 82 x 121mm) (Bac). £50.96
PO237 Country station (Card Kit) (Met) £10
44-181 Depot Hoist (168mm x 75mm x 105mm) (Bac) £33.96



LK-20X Double length overall arched station roof (Pec). £18



BARGAIN

44-141 Double track 1970's & 80's diesel depot (Bac) (list £79.95) £49
44-128 Fuelling Point Pump House (164 x 72 x 37mm) (Bac) £25.46
PO232 Goods shed (Card Kit) (Met) £11



44-121 Great Central single track road bridge (120 x 112 x 110mm) (Bac) £32.26



44-146 Highley Station Yard Crane (60 x 45 x 75mm) (Bac) £21.21
LK-56 Loco inspection pit for normal code 100 track (Pec) £6



44-221 Low Relief Underground Station (110 x 38 x 96mm) (Bac) £28.86
44-184 Mechanical Wash Plant (96 x 96 x 75mm) (Bac) £33.96
R9739 North Eastern Railway Station Building (Hor) £38
PO234 Pair of island station buildings (Card Kit) (Met) £8



PO216 Platform kit in red brick - Makes up to 8ft (Card Kit) (Met) £9
44-165 Shillingstone Signal Box (105 x 50 x 90mm) (Bac) £33.96
44-164 Shillingstone Station Building (265 x 120 x 105mm) (Bac) £59.46



PO233 Signal box lineside hut & fuel store shed (Card Kit) (Met) £7
44-176 Stone Signal Box (114 x 60 x 30mm) (Bac) £37.36
PO238 Stone-built wayside station (Card Kit) (Met) £15



44-179 Traction Fuelling Point (95 x 50 x 70mm) (Bac) £19.51



44-178 Traction Servicing Depot (320 x 142 x 100mm) (Bac) £73.91
LK-90 Train Shed Unit (Pec) £23
44-113 Wooden goods shed (250 x 114 x 129mm) (Bac) £37

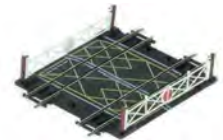
Man-made scenic structure - railway-related



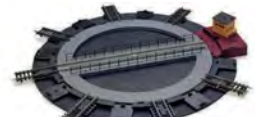
89121 21.5 metre (90ft) Motorised turntable - ready for installation. Upgraded 89111. For HO/OO scales. DCC ready (Hel). £199



LK-55 76ft Well type turntable (Pec) £39
ST-290 Brick platform (pack of 2) (Pec) £3.50
R083 Buffer Stop (Hor) £1.40
R083 Box of 6 (Hor) £8



R636 Double track level crossing (Hor) £18



R070 Electrically Operated Turntable (Hor) £59
44-186 Great Central Water Tower (96 x 40 x 74mm) (Bac) £23.76



44-195 Grounded Carriage (134 x 40 x 43mm) (Bac) £20.36
423Rato GWR Lineside Fencing (36 posts wire) (Rat) £3.50
SL-43 Loco Lift and storage unit (Pec) £11



44-508 Motive Power Depot Accessories (Bac) £14



44-192 Platform Buffet (100 x 40 x 55mm) (Bac) £25.46
R514 Platform Canopy x 2 (Hor) £12
R5853 Platform No.3 - Single sided straight x 2 - Skaledale (Hor) £9
SL-40 Rail built buffer stop (Pec) £1.40

Signals

SC1 Dual 2 Aspect Signal controller (Tra) £16
DS1 One Touch DCC Signal Home (R/G) (Tra) £22
44-002-001 Signal - Motorised, LMS home (OOSIGN3) (Dap) £22
44-001-002 Signal - Motorised, Square post GWR distant lower quadrant (ex-OOSIGN2) (Dap) £22
44-001-001 Signal - Motorised, Square post GWR home lower quadrant (OOSIGN1) (Dap) £22

Buildings - general



44-134 1930's Semi Detached Houses (140 x 70 x 110mm) (Bac) £33.96
44-135 1970's Detached House (105 x 85 x 89mm) (Bac) £21.21



EM6008A 3 house terrace (recolour) (Poc) £15
44-149 Ambulance Station (151 x 120 x 77mm) (Bac) £33.96
PO229 Brewing facility consisting of main brewhouse, malt store & ale store (Card Kit) (Met) £9
R8626 Country Fire Station - Skaledale (Hor) £24
44-002 Drive-through restaurant (Bac) (list £43.95) BARGAIN £19



44-223 Low Relief 3 storey Solicitors/Doctors (100 x 28 x 140mm) (Bac) £18.66
44-207 Low Relief Bank (175 x 28 x 117mm) (Bac) £24
44-215 Low Relief Cinema (160 x 56 x 231mm) (Bac) £33
44-236 Low Relief Railway Hotel "The Caledonian" (118 x 40 x 136mm) (Bac) £21.21
44-219 Low Relief Stone Factory (256 x 26 x 140mm) (Bac) £33.96
PO274 Low relief terrace house fronts - red brick (128w x 73d x 125h mm) (Met) £10



BARGAIN

44-094 Modern Town house under construction (Bac) (list £49.95) £24
PO226 Parish Church (re-designed) (Met) £15
44-159 Pendon Little Chapel Cottage (137 x 70 x 96mm) (Bac) £28.01
PO263 Small factory kit (Met) £12



R8622 Terrace house (right hand) - Skaledale (Hor) £12
OOTG1 Terraced garages kit (Anc) NEW £10.50



PO273 Terraced shop fronts - stone - 128 (w) x 73 (d) mm (Met) £13

Man-made scenic structure - non-railway



44-517 Brute trolleys (pack of 4) (Bac) £8



OOF8 Chainlink Security Fence Barbed Wire Top Kit (240 x 25mm) (Anc) £12
PO241 Double Track Viaduct, stone (Met) £11



LK-45 Flexible field fencing. Approx 1066mm (42in). 5 pieces (Pec) £2.50
44-512 Snack Bar (Bac) (list £14.95) £7
GM370 Tarmac road 80mm wide (1m) (Gau) £6.95



44-514 Wooden Benches x 4 (not modern red metal as previously announced) (Bac) £7.23



UK P&P £4 PER ORDER
£2 per single diecast item

£7 guaranteed Next Day delivery
(Orders before 2pm)

Bridges, Tunnels & Walls

M0052 Dressed Gritstone thick card sheets x 8 (Met) £5
R8008 Grand suspension bridge (Hor)..... £39



R9751 Hagley Footbridge (Hor) £25
44-152 Railway Road Over Bridge (102 x 184 x86mm) (Bac) £38.21
M0054 Red brick card sheets - 4 x thick, 4 x thin. Plus 1 sheet of roofing slates (Met)..... £5
537 Retaining Walls x 2 (350mm long) (Rat) £7
44-093 Sheffield Park Footbridge (225 x 91 x 108mm) (Bac) £41.61



M0056 Tarmacadam Builder thick card sheets x 8 (Met) £5

Grass, Ground, Lichen, Hedges & Foliage

LH500 4 lengths of 170mm large hedge (K&M) £9



CH700 Hedge (Country) 170mm x 2 (K&M)..... £8

Minerals, Water & Rocks



GM114 Granite Ballast - OO & HO gauge - large bag 500g (Gau)..... £3

People - civil



36-050 Permanent Way Workers x 6 (Bac) £6.21
R561 Sitting People x 6 (Hor)..... £6.21
36-049 Tracksider workers (x6) (Bac)..... £6.21



36-401 Trainspotters/rail-enthusiasts (x6) (Bac) £6.21

Track - Code 100 Setrack

ST-245 Setrack curved double radius left handed point insulfrog (Pec) £12
ST-244 Setrack curved double radius right handed point insulfrog (Pec) £12
ST-201 Setrack double straight (Pec) £1.75
ST-221 Setrack No.1 radius double curve (Pec) £2.30
ST-241 Setrack No.2 radius left handed point insulfrog (Pec) £7.50
ST-240 Setrack No.2 radius right handed point insulfrog (Pec) £7.50
ST-225 Setrack No.2 radius standard curve (Pec) £1.80
ST-231 Setrack No.3 radius double curve (Pec) £2.25
ST-235 Setrack No.4 Radius Standard Curve. No "double" version produced - use 16 to form a circle (Pec) £2
ST-202 Setrack short straight (Pec) £1
ST-203 Setrack special short straight (Pec) £1

Track - Code 100 Streamline



SL-100 Pack of 25 1 yard (91.5cm) length of Code 100 Wooden-sleeper nickel silver flexible track (Pec) £64
SL-100 Single (Pec) £2.80
SL-102 1 yard (91.5cm) length of Nickel Silver concrete-sleeper flexible track (Pec) £2.75
SL-102 Pack of 25 (Pec) £62
SL-E99 3 way medium radius point electrofrog (Pec) £22
SL-99 3 way medium radius point insulfrog (Pec) £22



SL-90 Double slip insulfrog (Pec) £28
SL-98 Large Y point (Pec) £10
SL-87 Left hand curved point (Pec) £10.50
SL-E87 Left hand curved point electrofrog (Pec) £11
SL-E88 Left hand large point electrofrog (Pec) £10
SL-89 Left hand large point insulfrog (Pec) £10
SL-96 Left hand medium point (Pec) £9
SL-E96 Left hand medium point electrofrog (Pec) £9
SL-92 Left hand small point (Pec) £8
SL-E92 Left hand small point electrofrog (Pec) £8



SL-94 Long crossing insulfrog (Pec) £8.50
SL-86 Right hand curved point (Pec) £10.50
SL-E86 Right hand curved point electrofrog (Pec) £11
SL-E88 Right hand large point electrofrog (Pec) £10
SL-88 Right hand large point insulfrog (Pec) £10
SL-95 Right hand medium point (Pec) £9
SL-E95 Right hand medium point electrofrog (Pec) £9
SL-91 Right hand small point (Pec) £8
SL-E91 Right hand small point electrofrog (Pec) £8

SL-93 Short crossing insulfrog (Pec) £28
SL-80 Single slip insulfrog (Pec) £27
SL-97 Small Y point (Pec) £8
SL-E97 Small Y point electrofrog (Pec) £8.50

Track - Code 75 FineScale Streamline

SL-102F 1 yard (91.5cm) length of finescale Nickel Silver concrete-sleeper flexible track (Pec) £3
SL-102F Pack of 25 (Pec) £64



SL-100F Pack of 25 1 yard (91.5cm) length of Nickel Silver Finescale flexible track (Pec) £64
SL-100F Single (Pec) £2.80
SL-E199 3 way finescale medium radius point electrofrog (Pec) £24
SL-E190 Finescale double slip electrofrog (code 75 Rail) (Pec) £31
SL-E187 Finescale left hand curved point electrofrog (Pec) £11
SL-E189 Finescale left hand large point electrofrog (Pec) £10.50
SL-E196 Finescale left hand medium point electrofrog (Pec) £9.50
SL-E192 Finescale left hand small point electrofrog (Pec) £10
SL-E186 Finescale right hand curved point electrofrog (Pec) £11
SL-E188 Finescale right hand large point electrofrog (Pec) £10.50
SL-E195 Finescale right hand medium point electrofrog (Pec) £9.50
SL-E191 Finescale right hand small point electrofrog (Pec) £10
SL-E180 Finescale single slip electrofrog (code 75 rail) (Pec) £29
SL-180 Finescale single slip insulfrog (code 75 rail) (Pec) £32

Track & Points

R8090 1 single yard length of Semi-Flexible Track (Hor) £3.50
R8090 Pack of 24 (Hor) £79
R605 1st radius double curve (8 make a circle) (Hor) £2.50
R605 Circle of 8 (Hor) £15
R607 2nd radius double curve track (8 make a circle) (Hor) £2.25
R607 Circle of 8 (Hor) £18
R609 3rd radius double curve track (8 make a circle) (Hor) £3
R609 Circle of 8 (Hor) £22
R601 Double Straight (Hor) £2.25
R601 Box of 24 (Hor) £49
R8223 Extension Pack C. Contains 1 x R8073, 2 x R600, 4 x R607, 1 x R606 (Hor) £21
R8226 Extension Pack F. Contains 1 x R8072, 1 x R8073, 2 x R600, 2 x R606, 1 x R803 (Hor) £22
SL-190 Finescale double slip insulfrog (Pec) £34
R8074 Left hand curved point (Hor) £14.40
R8077 Left hand Express point (Hor) £16
R8072 Left Hand Standard Point (Hor) £9
36-874 Left-hand curved point Radii 438mm Arcs 22.5 & 33.75 (same as Hornby R8074) (Bac) (list £13.70) BARGAIN £11
36-877 Left-Hand Point (same as Hornby R8077) (Bac) £11.65
36-872 Left-hand standard point (Bac) £7.52
SL-104F Length of steel-sleeper flexible track (Pec) £3.80
SL-104F Box of 25 (Pec) £56
R603 Long Straight (Hor) £3.25
R8206 Power track for analogue (non DCC) use only (Hor) £4.50



DCX-PBB PowerBase Track Plates for OO Gauge (5m)

Pack of 50 (DCC) £14
R8075 Right hand curved point (Hor) £14.40
36-875 Right Hand Curved Point Radii 438mm Arcs 22.5 & 33.75 (same as Hornby R8075) (Bac) £11.65
R615 Right hand diamond crossing (Hor) £10
R8078 Right hand Express point (Hor) £16
R8073 Right Hand Standard Point (Bac) £7.52
36-873 Right-Hand Standard Point (Bac) £7.52
R600 Standard Straight (Hor) £2
R600 Box of 24 (Hor) £33
36-600 Straight Track. 168mm (same as Hornby R600) (Bac) £11
36-600 Box of 12 (Bac) (list £15.60) BARGAIN £11.10
36-601 Straight track. 335mm (same as Hornby R601) (Bac) £1.70
ST-280 Track Fixing Nails (Pec) £2
R617 Uncoupling Ramp (Hor) £3
36-876 Y Point Radii 852mm Arcs 11.25 (same as Hornby R8076) (Bac) £8.33

Track underlay



GM200 5 metres of realistic grey ballasted OO gauge underlay (Gau) £19
GM210 Brown ballasted underlay x 5 metres (Gau) £19



SL-50 Roll of foam track underlay sleeper indentation. Suitable for Setrack and Streamline 5m long (16' 4") (Pec) £8
R638 Roll of track foam underlay: 4880mm (16ft) (Hor) £9

Railway publications



R8148 Hornby 2014 Catalogue (60th Edition) (Hor) £8

Buses



24330 30' BET Style coach "East Yorkshire" (EFE) NEW. £24
35307EFE 36' BET 6 bay bus "East Kent" (EFE) £24



30714 AEC Renown "A1 Services" to Ardrossan (EFE) NEW £26
30713 AEC Renown "Barton Transport" (EFE) £24



23324 AEC RF coach "London Transport" (EFE) NEW £24



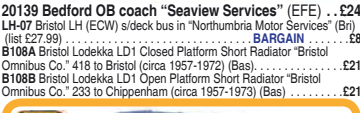
34110 AEC RT bus "London Country" (EFE) £24
LLB-04 Albion Lowlander d/deck bus "Highland Omnibuses" (Bri) (list £33) BARGAIN £10
38402 Alexander Y Type Bristol bus "Manchester P.T.E." (EFE) £24



38702 Alexander Y Type bus "Eastern Counties" (EFE) £24



20139 Bedford OB coach "Seaview Services" (EFE) £24



LH-07 Bristol LH (ECW) s/deck bus in "Northumbria Motor Services" (Bri) (list £27.99) BARGAIN £8



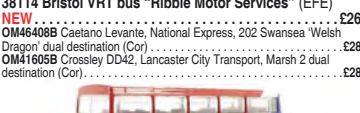
B108A Bristol Lodekka LD1 Closed Platform Short Radiator "Bristol Omnibus Co." 418 to Bristol (circa 1957-1972) (Bas) £21
B108B Bristol Lodekka LD1 Open Platform Short Radiator "Bristol Omnibus Co." 233 to Chippenham (circa 1957-1973) (Bas) £21



B110A Bristol Lodekka LD1 SR Midland General (D8) (Bas) NEW £21
B110B Bristol Lodekka LD1 SR Notts & Derby (C6) (Bas) NEW £21
B109A Bristol Lodekka LD1 SR West Yorkshire Bradford #53 (circa 1956-1971) (Bas) £21



B109B Bristol Lodekka LD1 SR West Yorkshire Harrogate #53 (circa 1956-1971) (Bas) £21



38114 Bristol VRT bus "Ribbles Motor Services" (EFE) £26
OM44608B Castrol Levante, National Express, 202 Swansea Welsh Dragon dual destination (Cor) £28
OM41605B Crossley DD42, Lancaster City Transport, Marsh 2 dual destination (Cor) £28



25812EFE Daimler DMS bus "Carlisle" (EFE) £23
OM41415A Daimler ROE Grimsby "Cleethorpes Transport, 8 Humberston" (Cor) £32



OM42519 East Lancs Millennium d/deck bus "Southdown PSV" (Cor) (list £27.99) BARGAIN £12
26327 Guy Arab II Utility bus "Stockport Corporation" (EFE) £26
12310 Harrington Grenadier "Birch Bros." (EFE) £24



AN3-05 Leyland Atlantean - Northern (Bri) NEW (list £33.99) BARGAIN £8
#11-19 Leyland Atlantean Park Royal bodied "Southdown Coastliner (NBC)" (Bri) (list £32.99) BARGAIN £9
B006 Leyland Leopard/Duple Dominant II coach "Crosville NBC - DE Cambria" (circa 1979-1968) (Bas) (list £1.55) BARGAIN £11.50
16134 Leyland PD2 Highbridge "Yorkshire Woollen" (EFE) £24
16014 Leyland PD2 Lowbridge "Newcastle Corporation" (EFE) £24



36005 Leyland RTL d/deck bus "Chieftain" to Eaglesham (EFE) NEW £26



18409 Leyland Tiger TS8 - Type B - "County Motors" (EFE) £24
UK5013 Mercedes Citaro Rigid s/deck bus "Southampton Uni-Link" (Cre) (list £25) BARGAIN £8
UK5026 Mercedes-Benz Citaro - Arriva The Shires, (Cre) (list £39.99) BARGAIN £22



15717 Plaxton Panorama "Penine Motor Services" (EFE) £24
OM42415B Plaxton Panorama "Wallace Arnold, Scottish Highlands" dual destination (Cor) £28
OM46113B Plaxton Panther, Oxford Bus Company "London Victoria, Baker Street & Marble Arch X90" (Cor) £32
36702 Plaxton SLF Dart MkII "First Western National" (EFE) £21
36705 Plaxton SLF Dart MkII single door "Pennine" (EFE) £23



38901 RCL Routemaster coach "London Transport" (EFE) £24
31806 RMA Routemaster "Clydeside Silverline" (EFE) £24
R402 Scania N113 Alexander R type single door "London Buses (Docklands Exchange)" (Bri) (list £32.99) BARGAIN £10
OM46018A Wright Eclipse "First Potteries, 25 Stoke Hartshill via Keele University" dual destination (Cor) £28



OM46704B Wright Eclipse 2 "National Express West Midlands, 27 Dudley via Gornal Wood" NEW TOOLING (Cor) NEW £32
OM46704A Wright Eclipse 2 "National Express West Midlands, 27 Wolverhampton via Gornal Wood" NEW TOOLING (Cor) NEW £32



OM41229B Wright Gemini, Yellow Bus 1B Bournemouth dual destination (Cor) £28
OM41229A Wright Gemini, Yellow Bus 1C Christchurch dual destination (Cor) £28

Cars



76ASL001 Armstrong Siddeley in Black (Oxf) £4.50



76ALL001 Austin Allegro estate in Citron Yellow (Oxf) NEW £4



76LRDF001 Land Rover Defender 90 Station Wagon in green white roof (Oxf) NEW £4.50



76DIS001 Land Rover Discovery 4 (Oxf) NEW £4.50



76FRE001 Land Rover Freelander 3 red (Oxf) NEW £4.50
76MING001 Mini 1275GT Reynard in red (Oxf) £4

Cars - racing

76MCS001 Mini Cooper S MkIII 1968 Monte Carlo Rally (Oxf) NEW £4

Commercial vehicles

L14 2 forklift trucks - 1 red, 1 yellow (Bas) £7
DA70 AEC Mammoth Major dropside tipper "BRS North Derbyshire Group" (circa 1951-1961) (Bas) £8.99



38801 AEC MkIII 3-axle Dropside "B.R.S Derbyshire Group" (EFE) £22
DA71 AEC Monarch Artic low loader "Thomas Bell & Son" (circa 1937-1947) (Bas) £9.99
DA61 Albion HD57 Flatbed "BRS Scottish Parcels Group" load of long packing cases (circa 1958-1968) (Bas) £9
13502 Atkinson 4-axle Tanker "Bulwark" (EFE) £22
24107 Bedford TK Dropside "Crosville N.B.C." (EFE) £22



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For All Products



76TCAB004CC Coca Cola T Cab Box Trailer (Oxf) ... £19



76RDH001 Daimler Hearshe in Black (Oxf) ... £4.50
A011B Dodge 'Parrot Nose' Tipper dark blue/black (circa 1955-1965) (Bas) ... £7.49
A011A Dodge 'Parrot Nose' Tipper in red/black (circa 1955-1965) (Bas) ... £7.49
DA20 Dodge Kew artic & empty pallet load 'BRS' - Guilford (Bas) ... £9.99
76SCA03HB Eddie Stobart Scania Horsebox (Oxf) ... £15



76FOW001 Fowler B6 road loco 'Atlas Norman E Box' (Oxf) ... £13
DG187013 Guy Big J Tipper - Arney Roadstone (Cor) (list £11.50) BARGAIN ... £6
DA69 Karrier Bantam flatbed coal & coke load 'S.B.Tawn & Son Solid Fuels' (circa 1964-1974) (Bas) ... £9.99



76KRS001 Konecranes Reach Stacker (for freight containers) in Konecranes blue. Fully 'posable' (Oxf) £17
76SET16 Land Rover Transporter set transporter & vehicles (Oxf) ... £40
DA56 Leyland Beaver flatbed & trailer 'British Railways' (Bas) ... £12
76MAN02CT T MAN TGX XXL trailer 'W.H. Malcolm' (Oxf) ... £9



76MAA001 Mercedes Sprinter 515 CDI Modern Ambulance - Welsh (no longer London) (Oxf) NEW ... £6.50
76SFE008 Scania CP31 Pump Ladder Mercedeside Pink Fire & Rescue (Oxf) £12



76BMC001 Mobile Training Unit/car transporter 'BMC' in blue (Oxf) ... £10



DG225005 Ruston Bucyrus 19 - Crane NEW TOOLING (Cor) ... £16
DG225007 Ruston Bucyrus 19 face shovel in Southern railways green (Cor) £17
76SC110001 Scania 110 Flatbed 'BRS' (Oxf) ... £13



76SHL03TK Scania Highline Petrol Tanker 'Eddie Stobart' (Oxf) ... £18



76SHL02TK Scania R Series Petrol Tanker W H Malcolm (Oxf) ... £18



76TCAB002 Scania T Topline Tipper 'Tinnelly' (Oxf) ... £20
DA74 Trader Tipper 'Thomas Nield & Son Edward Beck&M Son' (circa 1954-1964) (Bas) ... £7.99
76WM001 Whitby Mondial Ice Cream Van 'Walls Ice Cream' (Oxf) ... £5

Military ground vehicles



76BF003 40mm Bofors Anti-Aircraft Gun as used by the British Army/Navy 1937- late 1980s in desert light stone (Oxf) NEW ... £6.50



76AEC008 AEC Matador Artillery Tractor British Army 'Mickey Mouse' (Oxf) ... £10
76TIL007 Austin Tilly GHQ Land Forces (Oxf) NEW ... £4.75



76CMP004 Bedford CMP Truck 1st Canadian Army - UK 1944 CMP LAA Tractor (Oxf) NEW ... £8.95
76DSC001 Dingo Scout Car 50th Royal Tank Regiment 23rd Armoured Brigade Tunisia (Oxf) ... £4.95

Public Service vehicles



76F106002 Dennis F106 Rear Pump London Fire Brigade (Oxf) ... £10



76LRD005 Land Rover Discovery Mk3 Nottinghamshire F&R (Oxf) NEW ... £4.50



76SET24 London Fire Brigade Set - Dennis F106 and Austin Tilly (Oxf) ... £13



76MAA001 Mercedes Sprinter 515 CDI Modern Ambulance - Welsh (no longer London) (Oxf) NEW ... £6.50
76SFE008 Scania CP31 Pump Ladder Mercedeside Pink Fire & Rescue (Oxf) £12

Trams



CE00609 Tram 69 Birkenhead Corporation tramways. Motorised (Bac) ... £57

Tools



BS-HO-01 HO/OO Scale Ballast Spreader (Pro) ... £11

N Gauge Steam locos



2S-006-001 Class 14xx steam loco 1410 in GWR Shitbutton & autococh 182 in chocolate & cream (Dap) ... £67
2S-006-003 Class 14xx steam loco 1456 in BR early black&M autococh W198W in carmine & cream (Dap) ... £67
2S-006-004 Class 14xx steam loco 1464 in BR early black&M autococh W191W in maroon (Dap) ... £67



372-625 Class 2MT Ivatt 2-6-0 46521 in BR lined green late crest (Gra) ... £93.46



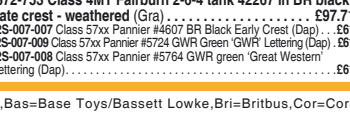
372-627 Class 2MT Ivatt 2-6-0 6404 in LMS black (Gra) ... £93.46
2S-010-002 Class 49xx Hall steam loco 4914 'Cranmore Hall' in BR lined green late crest (Dap) NEW ... £95
2S-010-002D Class 49xx Hall steam loco 4914 'Cranmore Hall' in BR lined green late crest. DCC fitted (Dap) NEW ... £111
2S-010-000D Class 49xx Hall steam loco 4937 'Lanely Hall' in GWR lined green. DCC fitted (Dap) ... £111
2S-010-001D Class 49xx Hall steam loco 4951 'Pendeford Hall' BR lined green late crest. DCC fitted (Dap) ... £118



2S-010-003 Class 49xx Hall steam loco 4958 'Priory Hall' in GWR lined green (Dap) NEW ... £95
2S-010-003D Class 49xx Hall steam loco 4958 'Priory Hall' in GWR lined green. DCC fitted (Dap) NEW ... £111



372-753 Class 4MT Fairburn 2-6-4 tank 42267 in BR black late crest - weathered (Gra) ... £97.71
2S-007-007 Class 57xx Pannier #4607 BR Black Early Crest (Dap) ... £61
2S-007-009 Class 57xx Pannier #5724 GWR Green GWR Lettering (Dap) ... £61
2S-007-008 Class 57xx Pannier #5764 GWR green 'Great Western' lettering (Dap) ... £61



2S-007-004 Class 57xx Pannier tank steam loco 9741 in British Railways green (Dap) ... £61
2S-001-001 Class 7800 Manor 4-6-0 7801 'Anthony Manor' in GWR green shirtbutton emblem (Dap) NEW ... £100
2S-001-001D Class 7800 Manor 4-6-0 7801 'Anthony Manor' in GWR green shirtbutton emblem. DCC fitted (Dap) NEW ... £119



2S-001-000 Class 7800 Manor 4-6-0 7810 'Draycott Manor' in BR lined green late crest. DCC fitted (Dap) NEW ... £100
2S-001-000D Class 7800 Manor 4-6-0 7810 'Draycott Manor' in BR lined green late crest. DCC fitted (Dap) NEW ... £119



372-802 Class A1 4-6-2 60147 'North Eastern' in BR green early emblem (Gra) (list £144.40) BARGAIN ... £111
372-800A Class A1 4-6-2 60163 'Tornado' BR lined Brunswick green (Gra) ... £133.75



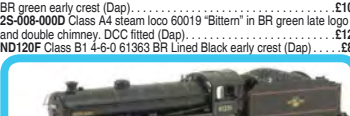
ND129G Class A3 steam loco 4472 'Flying Scotsman' LNER Green (Dap) ... £99
ND129D Class A3 steam loco 60094 'Colorado' BR lined green early crest (Dap) ... £99
ND129AD Class A3 steam loco and tender 60045 'Lemberg' in BR lined green late crest. DCC fitted (Dap) ... £122



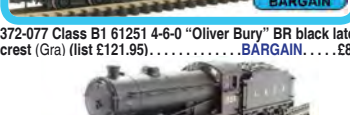
2S-008-002D Class A4 steam loco 4498 'Sir Nigel Gresley' in LNER blue double chimney (as preserved). DCC fitted (Dap) ... £122
ND128G Class A4 steam loco 60005 'Sir Charles Newton' in BR lined green late crest (Dap) ... £99
2S-008-001 Class A4 steam loco 60012 'Commonwealth of Australia' in BR green early crest (Dap) ... £105
2S-008-000D Class A4 steam loco 60019 'Bittern' in BR green late logo and double chimney. DCC fitted (Dap) ... £122
ND120F Class B1 4-6-0 61363 BR Lined Black early crest (Dap) ... £87



372-077 Class B1 61251 4-6-0 'Oliver Bury' BR black late crest (Gra) (list £121.95) ... BARGAIN ... £82



372-400 Class J39 0-6-0 1856 in LNER Lined Black flat sided tender (Gra) ... £80.71
372-402 Class J39 0-6-0 64791 BR black late crest & stepped tender (Gra) ... £80.71



372-728 Standard Class 5MT 4-6-0 73014 in BR Lined green late crest & B1 tender (Gra) ... £99
372-725 Standard Class 5MT 4-6-0 73068 in BR lined green late crest & B1C tender (Gra) ... £106.21



372-402 Class J39 0-6-0 64791 BR black late crest & stepped tender (Gra) ... £80.71



372-728 Standard Class 5MT 4-6-0 73014 in BR Lined green late crest & B1 tender (Gra) ... £99
372-725 Standard Class 5MT 4-6-0 73068 in BR lined green late crest & B1C tender (Gra) ... £106.21



2S-012-003 Terrier Tank loco 0-6-0T 32670 in BR lined black late crest (Dap) ... £56
2S-012-001 Terrier Tank loco 0-6-0T 83 'Earlwood' Improved Engine green (Dap) ... £56

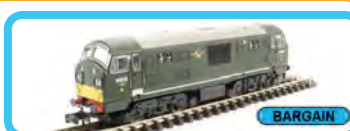
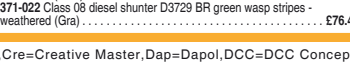
Train packs



2D-012-007 Class 22 diesel loco in BR blue & 6 milk tankers - weathered (Dap) ... £142



371-020 Class 08 diesel shunter 13029 in BR black early emblem (Gra) ... £67.96
371-022 Class 08 diesel shunter 3729 BR green wasp stripes - weathered (Gra) ... £76.46



2D-012-003 Class 22 diesel loco D6319 in BR green small yellow panels (Dap) (list £136.89) BARGAIN ... £99
2D-012-002 Class 22 diesel loco D6320 in BR green small yellow panels (Dap) (list £136.89) ... BARGAIN ... £99



372-979 Class 24 diesel D5085 BR two-tone green (Gra) £84.96



371-080 Class 25/3 diesel 25279 BR blue (Gra) (list £94.05) ... BARGAIN ... £45



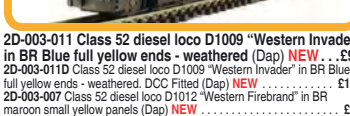
ND145F Class 26 diesel 26026 in BR blue snowploughs & headcode discs (Dap) ... £86
ND145J Class 26 diesel loco D5326 BR green (not blue as previously announced) (Dap) ... £85



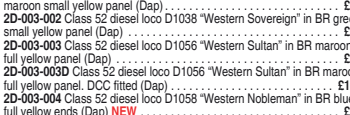
ND205A Class 27 diesel D5356 in BR green and gangway doors (Dap) ... £93
2D-003-000 Class 52 diesel loco D1005 'Western Venture' in BR blue full yellow panel (Dap) ... £91



2D-003-011 Class 52 diesel loco D1009 'Western Invader' in BR Blue full yellow ends - weathered (Dap) NEW ... £94
2D-003-011D Class 52 diesel loco D1009 'Western Invader' in BR Blue full yellow ends - weathered. DCC fitted (Dap) NEW ... £110
2D-003-007 Class 52 diesel loco D1012 'Western Firebrand' in BR maroon small yellow panels (Dap) NEW ... £94
2D-003-007D Class 52 diesel loco D1012 'Western Firebrand' in BR maroon small yellow panels. DCC fitted (Dap) NEW ... £110
2D-003-001 Class 52 diesel loco D1029 'Western Legionnaire' in BR maroon full yellow panel (Dap) ... £91
2D-003-002 Class 52 diesel loco D1038 'Western Sovereign' in BR green full yellow panel (Dap) ... £91
2D-003-003 Class 52 diesel loco D1056 'Western Sultan' in BR maroon full yellow panel (Dap) ... £91
2D-003-003D Class 52 diesel loco D1056 'Western Sultan' in BR maroon full yellow panel. DCC fitted (Dap) ... £108
2D-003-004 Class 52 diesel loco D1058 'Western Nobleman' in BR blue full yellow ends (Dap) NEW ... £110
2D-003-004D Class 52 diesel loco D1058 'Western Nobleman' in BR blue full yellow ends. DCC fitted (Dap) NEW ... £108



2D-003-006 Class 52 diesel loco D1065 'Western Consort' in BR maroon small yellow panels (Dap) NEW ... £94
2D-003-006D Class 52 diesel loco D1065 'Western Consort' in BR maroon small yellow panels. DCC fitted (Dap) NEW ... £110
2D-003-005 Class 52 diesel loco D1072 'Western Glory' in BR blue full yellow ends (Dap) NEW ... £91



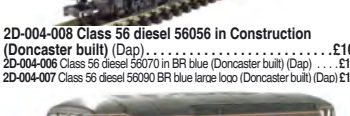
2D-004-008 Class 56 diesel 56056 in Construction (Doncaster built) (Dap) ... £101
2D-004-006 Class 56 diesel 56070 in BR blue (Doncaster built) (Dap) ... £101
2D-004-007 Class 56 diesel 56090 BR blue large loco (Doncaster built) (Dap) £101



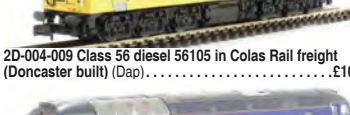
2D-004-006 Class 56 diesel 56070 in BR blue (Doncaster built) (Dap) ... £101
2D-004-007 Class 56 diesel 56090 BR blue large loco (Doncaster built) (Dap) £101



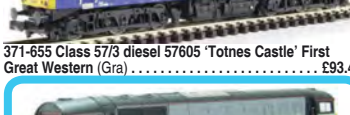
2D-004-007 Class 56 diesel 56090 BR blue large loco (Doncaster built) (Dap) £101



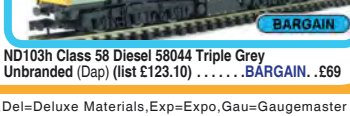
2D-004-009 Class 56 diesel 56105 in Colas Rail freight (Doncaster built) (Dap) ... £101



2D-004-009 Class 56 diesel 56105 in Colas Rail freight (Doncaster built) (Dap) ... £101



371-655 Class 57/3 diesel 57605 'Totnes Castle' First Great Western (Gra) ... £93.46



ND103h Class 58 Diesel 58044 Triple Grey Unbranded (Dap) (list £123.10) ... BARGAIN ... £69



Overseas postage

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371-355 Class 60 diesel 60011 DB Schenker (Gra). £93.46
371-356 Class 60 diesel 60029 'Ben Nevis' Railfreight Metal sector (Gra). £93.46



371-384 Class 66 diesel 66209 EWS - weathered (Gra). £99.41



ND201D Class 66 diesel 66729 in GBRF Europorte
"Derby County" (Dap) £69



371-396 Class 66/9 diesel 66731 'InterhubGB' in
GBRF (Gra) £89.21
ND101h Class 67 Diesel 67002 EWS Livery (Dap) £93



371-636 Class 70 PowerHaul diesel 70003
Freightliner (Gra) £106.21
371-635 Class 70 PowerHaul diesel 70006 Freightliner (Gra) £106.21

Electric locos



ND099m Class 86 Bo-Bo Electric 86401 Network South
East new style panto (Dap) (list £117.89) BARGAIN £59
ND099d Class 86 Bo-Bo Electric 86425 in Rail Express Systems
Livery (Dap) (list £104.95) BARGAIN £67
ND099Q Class 86 electric Freightliner Power Haul new style panto (Dap)
(list £117.89) BARGAIN £59



ND147 Class 86 Twin pack Network Rail 86901 & 86902 (1x
powered loco 1x dummy loco) (Dap) (list £124.95) BARGAIN £69



371-777 Class 90 electric 90046 Freightliner (Gra)
(list £100) BARGAIN £54

HSTs



ND122G Class 43 HST Book Set in Cross Country Trains (Dap) £128



ND122L Class 43 HST Book Set in East Midlands
Trains (Dap) £128

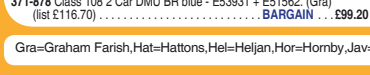


ND122e Class 43 HST Book Set in Grand Central Livery
(new version one dummy power car) (Dap) £140
ND122J Class 43 HST Book Set in Virgin Trains 43094 & 43104 (Dap) £135



ND111e Class 43 HST twin pack in Network Rail (NMT)
43014 & 43062 (Dap) £99

DMUs



371-503 Class 101 2-car DMU BR blue & grey 'Express
Parcels' (motor in each car) (Gra) (list £119.95) BARGAIN £79
371-878 Class 108 2-car DMU BR blue - E53931 + E51562 (Gra)
(list £116.70) BARGAIN £99.20



371-876 Class 108 2-car DMU in BR blue (Gra) £68



ND209C Class 122 Gloucester RCW "Bubblecar" single car
DMU Route Learning Car BR blue TDB975023/55001 (Dap) £97
371-557 Class 158 2-car DMU 158783 in East Midlands Trains (Gra)
(list £121.95) BARGAIN £74



371-433 Class 170/4 3-car DMU 170434 in First
ScottRail (Gra) £110.46
371-740 Class 251 Blue Pullman 6-car Midland set Nanking blue (Gra) £229.46



371-741 Class 251 Blue Pullman 6-car Midland set in Nanking
blue full yellow ends. (Gra) (list £269.95) BARGAIN £171

EMUs



371-702 Class 350/1 Desiro 4-car EMU 350101 in London
Midland (Gra) (list £159.20) BARGAIN £99
372-676 Class 411 4-CEP 4-car EMU in BR green (Southern Region)
yellow warning panels (Gra) (list £137.02) BARGAIN £100

Train sets - analogue

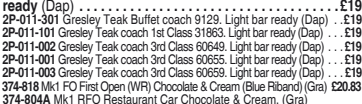


370-110 Depot Master train set Class 04 in BR Green & 3
wagons (Gra) £84.99

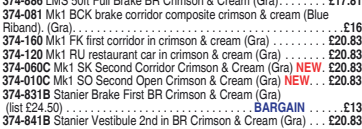
Coaches



2P-011-201 Gresley Teak Brake coach 5548. Light bar
ready (Dap) £19
2P-011-301 Gresley Teak Buffet coach 9129. Light bar ready (Dap) £19
2P-011-101 Gresley Teak coach 1st Class 1863. Light bar ready (Dap) £19
2P-011-002 Gresley Teak coach 3rd Class 6049. Light bar ready (Dap) £19
2P-011-001 Gresley Teak coach 3rd Class 6065. Light bar ready (Dap) £19
2P-011-003 Gresley Teak coach 3rd Class 6069. Light bar ready (Dap) £19
374-818 Mk1 FO First Open (WR) Chocolate & Cream (Blue Riband) (Gra) £20.83
374-804A Mk1 RFO Restaurant Car Chocolate & Cream (Gra) (list £17.40) BARGAIN £11
374-100 Mk1 FMB mini buffet car chocolate & cream (Blue Riband) (Gra) £20.83
374-163 Mk1 FK first corridor in chocolate & cream (Gra) £20.83
374-886 LMS 50ft Full Brake BR Crimson & Cream (Gra) £17.81
374-081 Mk1 BCK brake corridor composite crimson & cream (Blue Riband) (Gra) £16
374-160 Mk1 FK first corridor in crimson & cream (Gra) £20.83
374-120 Mk1 RU restaurant car in crimson & cream (Blue Riband) (Gra) £20.83
374-060C Mk1 SK Second Corridor Crimson & Cream (Gra) NEW £20.83
374-010C Mk1 SO Second Open Crimson & Cream (Gra) NEW £20.83
374-831B Stanier Brake First BR Crimson & Cream (Gra) (list £24.50) BARGAIN £13
374-841B Stanier Vestibule 2nd in BR Crimson & Cream (Gra) £20.83
374-851B Stanier Vestibule Composite BR Crimson & Cream (Gra) NEW £20.83



2P-011-201 Gresley Teak Brake coach 5548. Light bar
ready (Dap) £19
2P-011-301 Gresley Teak Buffet coach 9129. Light bar ready (Dap) £19
2P-011-101 Gresley Teak coach 1st Class 1863. Light bar ready (Dap) £19
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374-060C Mk1 SK Second Corridor Crimson & Cream (Gra) NEW £20.83
374-010C Mk1 SO Second Open Crimson & Cream (Gra) NEW £20.83
374-831B Stanier Brake First BR Crimson & Cream (Gra) (list £24.50) BARGAIN £13
374-841B Stanier Vestibule 2nd in BR Crimson & Cream (Gra) £20.83
374-851B Stanier Vestibule Composite BR Crimson & Cream (Gra) NEW £20.83



374-037 Mk1 BG full brake green (Blue Riband) (Gra) £20.83
374-166B Mk1 BSK Brake Second Corridor in green (Gra) £20.83
374-259A Mk1 CK composite corridor in green (Blue Riband) (Gra) £16
374-460 Bulleid 63ft Composite Corridor BR (SR) green (Gra) £20.83
374-430 Bulleid 63ft Second Brake Corridor Open BR (SR) green (Gra) £20.83
374-440 Bulleid 63ft Second Corridor BR (SR) green (Gra) £20.83
374-083 Mk1 BCK brake corridor composite in green (Blue Riband) (Gra) £20.83
374-162 Mk1 FK first corridor in green (Gra) £20.83



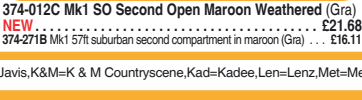
374-037 Mk1 BG full brake green (Blue Riband) (Gra) £20.83
374-166B Mk1 BSK Brake Second Corridor in green (Gra) £20.83
374-259A Mk1 CK composite corridor in green (Blue Riband) (Gra) £16
374-460 Bulleid 63ft Composite Corridor BR (SR) green (Gra) £20.83
374-430 Bulleid 63ft Second Brake Corridor Open BR (SR) green (Gra) £20.83
374-440 Bulleid 63ft Second Corridor BR (SR) green (Gra) £20.83
374-083 Mk1 BCK brake corridor composite in green (Blue Riband) (Gra) £20.83
374-162 Mk1 FK first corridor in green (Gra) £20.83



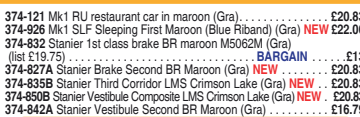
374-037 Mk1 BG full brake green (Blue Riband) (Gra) £20.83
374-166B Mk1 BSK Brake Second Corridor in green (Gra) £20.83
374-259A Mk1 CK composite corridor in green (Blue Riband) (Gra) £16
374-460 Bulleid 63ft Composite Corridor BR (SR) green (Gra) £20.83
374-430 Bulleid 63ft Second Brake Corridor Open BR (SR) green (Gra) £20.83
374-440 Bulleid 63ft Second Corridor BR (SR) green (Gra) £20.83
374-083 Mk1 BCK brake corridor composite in green (Blue Riband) (Gra) £20.83
374-162 Mk1 FK first corridor in green (Gra) £20.83



374-037 Mk1 BG full brake green (Blue Riband) (Gra) £20.83
374-166B Mk1 BSK Brake Second Corridor in green (Gra) £20.83
374-259A Mk1 CK composite corridor in green (Blue Riband) (Gra) £16
374-460 Bulleid 63ft Composite Corridor BR (SR) green (Gra) £20.83
374-430 Bulleid 63ft Second Brake Corridor Open BR (SR) green (Gra) £20.83
374-440 Bulleid 63ft Second Corridor BR (SR) green (Gra) £20.83
374-083 Mk1 BCK brake corridor composite in green (Blue Riband) (Gra) £20.83
374-162 Mk1 FK first corridor in green (Gra) £20.83



374-037 Mk1 BG full brake green (Blue Riband) (Gra) £20.83
374-166B Mk1 BSK Brake Second Corridor in green (Gra) £20.83
374-259A Mk1 CK composite corridor in green (Blue Riband) (Gra) £16
374-460 Bulleid 63ft Composite Corridor BR (SR) green (Gra) £20.83
374-430 Bulleid 63ft Second Brake Corridor Open BR (SR) green (Gra) £20.83
374-440 Bulleid 63ft Second Corridor BR (SR) green (Gra) £20.83
374-083 Mk1 BCK brake corridor composite in green (Blue Riband) (Gra) £20.83
374-162 Mk1 FK first corridor in green (Gra) £20.83



374-121 Mk1 RU restaurant car in maroon (Gra) £20.83
374-626 Mk1 SLF Sleeping First Maroon (Blue Riband) (Gra) NEW £22.06
374-832 Stanier 1st class brake BR maroon M5062M (Gra) (list £19.75) BARGAIN £13
374-827A Stanier Brake Second BR Maroon (Gra) NEW £20.83
374-835B Stanier Third Corridor LMS Crimson Lake (Gra) NEW £20.83
374-850B Stanier Vestibule Composite LMS Crimson Lake (Gra) NEW £20.83
374-842A Stanier Vestibule Second BR Maroon (Gra) £16.79



374-200D Mk1 FP Pullman First Parlour Car 'Opal' Umber &
Cream (Gra) NEW £22.06
374-220C Mk1 FK Pullman First Kitchen Car 'Hawk' Umber &
Cream (Gra) NEW £22.06
374-230C Mk1 SK Pullman Second Kitchen Car 'Car' 7 335' Umber &
Cream (Gra) NEW £22.06
374-210D Mk1 SP Pullman Second Parlour Car 'Car' 7 351' Umber &
Cream (Gra) NEW £22.06



374-164 Mk1 FK first corridor in blue & grey (Gra) £20.83
374-950 BR Mk2A FK First Corridor Blue & Grey (Gra) £20.83



CM002 Mk3 book set 4 coaches in blue/grey buffers (Dap) £71
374-827 Mk1 SLSTP Sleeping Second Blue & Grey (Blue Riband) (Gra) £22.06
NC216A MkIII coach buffet in blue and grey (Dap) £19



374-900 Mk1 TPO Coach Royal Mail Travelling Post Office
Red (Gra) £16
2P-005-231 Mk3 Intercity Swallow 2nd Class #12004 loco hauled (Dap) £19

Wagons



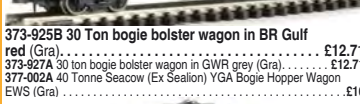
377-676A 100 Tonne JPA Cement Wagon 'VTG Castle Cement'
grey (Gra) £20.36



377-981 Pack of 4 12 Ton Eastern Ventilated Van Corrugated
Ends BR Late Bauxite (Gra) (list £47.80) BARGAIN £32
377-981 Single (Gra) £10.16
377-961 Megapack of 8 (Gra) (list £95.60) BARGAIN £60



377-226A 16 Ton Steel Mineral Wagon With Top Flap
Doors BR Bauxite. (Gra) £9.45
2P-034-025 21 Ton Hopper wagon 'British Gas' (Dap) £9.45
373-216 24 Ton ore hopper wagon BR Brown (Gra) £10.16



373-925B 30 Ton bogie bolster wagon in BR Gulf
red (Gra) £12.71
373-827A 30 ton bogie bolster wagon in GWR grey (Gra) £12.71
377-002A 40 Tonne Seacow (Ex Seallon) YGA Bogie Hopper Wagon
EWS (Gra) £16



2F-031-002 6-wheel milk tanker 'Express Dairies' (Dap) £11
377-355 Intermodal Bogie Wagons With Two 45ft Containers 'DHL' (Gra) £30



377-356 Intermodal Bogie Wagons With Two 45ft
Containers 'Samskip'. (Gra) (list £36.95) BARGAIN £22



377-701 JJA Mk2 Auto-Ballast Non-Generator Unit
(Flat Top Profile) Railtrack (Gra) £33.96
373-403C OAA 31 ton open plank wagon in Railfreight red & grey (Gra) £7.65
373-075E PCA taper bulk powder wagon Kettton Cement 'Yellow' (Gra)
(list £9.55) BARGAIN £6
2P-027-004 Silver Bulleid wagon Nascos #33 90 7988 044 - weathered (Dap) £23



377-725 Pack of 4 SPA Wagon Steel Coil Wagon in
Railfreight red (Gra) (list £63.40) BARGAIN £42
377-725 Single (Gra) (list £15.85) BARGAIN £11
377-725 Megapack of 8 (Gra) (list £126.80) BARGAIN £80



377-635 Triple pack 12 Ton BR plywood fruit van BR
bauxite early - weathered (Gra) (list £35.95) BARGAIN £19



377-990 Triple pack 12 Ton ventilated vans BR
bauxite early - weathered (Gra) (list £29.95) BARGAIN £19
373-665 Triple pack 14 Ton tank wagons - weathered (Gra) £30.56
373-270 Triple pack 8 Ton cattle wagons BR bauxite early -
weathered (Gra) £30.56



377-335 Triple pack Conflat wagons BR bauxite AF containers
light blue - weathered (Gra) (list £32.95) BARGAIN £19
377-336 Triple pack Conflat wagons BR Bauxite BD Container -
weathered (Gra) £26.78



373-785 Triple pack TTA 45 Tonne tank wagon -
weathered (Gra) £30.56

DCC decoders

DCC23 8-pin 2-function 1A (24 peak) decoder (suitable for N gauge) (Gau) £24
36-558A 8-pin 2-function decoder (suitable for OO & N gauge locos and
use on analogue track) (Bac) £15.26

DCC accessory decoders

DCD-ADS8 Solenoid accessory decoder (8-way) (DCC) £41

Lighting equipment

NC040a Light Bar coach lighting unit for modern coaches/multiple units
(Class 156/MkIII 'Plug&Play') (Dap) £7
NC040b Light Bar coach lighting unit for older coaches (Collett coaches
'Plug&Play') (Dap) £8

Cables & Wires

PL-82 Power feed joiners - Code 55/80 (x4 pairs) (Pec) £6

Spares

2A-000-006 Coupling magnets (ex-NSPARE7A) - 1 pair (Dap) £5
SL-311 Insulated Rail Joiners/Fishplates for N & 009 gauge (12 per
pack) (Pec) £1.50
2A-000-008 Magentic NEM couplers - medium arm (ex-NSPARE8) - 5
pairs (Dap) £17
2A-000-013 Magnetic couplings - long arm - 5 pairs (Dap) £18



2A-000-011 Magnetic couplings - short arm - 5 pairs (Dap) £18
2A-000-014 Pockets for NEM magnetic couplings x 20 (Dap) £12
SL-310 Rail Joiners/Fishplates for N & 009 gauge (24 per pack) (Pec) £1.50

Wheel sets

379-412 Axles coach wheels - Pack of 10 (Gra) £5.74

Buildings - railways



42-066 Art Deco station building (132 x 67 x 51mm) (Gra) £37
42-087 Bluebell Waiting Room (Gra) (list £42.95) BARGAIN £23



42-083 Carriage Shed (Gra) (list £34.95) BARGAIN £16
N3-CUB1 Concrete utility/limeside building kit (Anc) NEW £5.50



42-050 Four Road Engine Shed (155 x 206 x 51mm) (Gra) £60
42-129 Fuel Storage Tank (56 x 26 x 31mm) (Gra) £19.51



42-126 Single Road Servicing Shed (161 x 45 x
48mm) (Gra) £29.71
NE51 Single track engine shed kit (Anc) NEW £13



Man-made scenic structure - railway-related
379-200 4 x Platform sections (red brick) (Gra) £9
NCAT1 Overhead Mk3 High Speed Catering Single Mast (Pack of 10) (Dap) £4
NB-55 Turntable Kit, well type, deck length 151mm (Pec) £12

Signals

2L-001-001 Signal - Motorised, GWR home lower quadrant (ex-
NS/GN1) (Dap) £22

Buildings - general

42-103 Farm house (60 x 61 x 51mm) (Gra) £25.46



42-076 Garage (61mm x 57mm x 41mm) (Gra) £21.21
42-212 Low Relief Block of Flats (85 x 13 x 132mm) (Gra) £24.61

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Diesel locos



3103 Class 31 Brush diesel-electric in BR Blue locos under cabs - Ltd Ed (Hal)£445

Wagons



BL99077 12 Ton Ventilated Van in SR brown (Bas) (list £37.50)£25 **BARGAIN**



7F-051-006 5-plank wagon "BR" M318263 (Dap)£35
7F-051-007 5-plank wagon "SR" (Dap)£35



7F-071-004W 7-plank wagon "Ammanford Colliery" - weathered (Dap)£35

Analogue controllers

DO Twin track 0 scale controller (Gau)£159.95

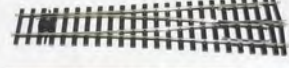
DCC accessory decoders

DCD-ADS8 Solenoid accessory decoder (8-way) (DCC)£41

Track - Code 124 Bullhead Streamline



SL-700BH Box of 12 1 Yard 0 Gauge Flexible Nickel Silver Track (Bullhead Nickel Silver Rail) (Pec)£60
SL-700BH Single (Pec)£6
SL-E767BH Left hand 0 gauge curved turnout (Pec)£47
SL-E766BH Right hand 0 gauge curved turnout (Pec)£47
SL-E791BH Right hand point bullhead rail and electrofrog (Pec)£36
ST-725 Setrack Bullhead 2nd radius standard curve 410mm (16") radius 1020mm (40.5") 16 make a circle (Pec)£6.50



SL-E797BH Y point bullhead rail & electrofrog (Pec)£36

Cars



VA13400 BMW E30 325i Sport (M-Tech 1), Lachs Silver (Cor) **NEW**£19
VA13303 Ford Capri Mk1 3000GT, Roger Clark 1973 Avon Tour of Great Britain, DNF (Cor)£23



VA12607A Ford Escort Mk2, 1.3 Ghia Astro Silver RHD (UK) (Cor)£20
VA12606A Ford Escort Mk1, RS Mexico, Signal green RHD (Cor)£19



VA13501 Mini 1275 GT, 1970 Scottish Rally, Paddy Hopkirk & M Tony Nash - 2nd overall, 1st in class, **NEW** TOOLING (Cor)£23



VA13500 Mini 1275 GT, Bronze Yellow 'Trevor' (Cor)£17

Commercial vehicles



43AT003 AFS Low Loader Taxi (Oxf)£17

G Scale

Steam locos



91404 Emily Steam loco (with moving eyes) (Thomas the Tank range) (Bac)£205



91401 Thomas the Tank Engine (with moving eyes) (Thomas the Tank range) (Bac)£160

Track & Points

16150 Left hand point, electrical switch, 22.5 degrees radius 3 (LGB)£78
10610 Straight track 1200mm long (LGB)£23
10610 Box of 6 (LGB)£124

Trams



91405 Toby the Tram Engine (with moving eyes) (Thomas the Tank range) (Bac)£157.25

Any or Multiple Scales

Analogue controllers



DS Double power controller brake simulator (Gau)£119
DP Double power unit feedback (Gau)£79
D Double track power controller (Gau)£69
Q Quadruple 4 circuit power controller (Gau)£125
W Walkabout circuit controller (Gau)£29

Analogue power supplies



M1 Transformer Output 2 x 16v AC 1A (Gau)£37

Analogue point control



A002Smart 4 Servo control & operation set (SmartFrog) complete switches, control board & digital readout for Analogue operation (ANE)£90
A001Smart 4 Servo control & operation set complete switches, control board & digital readout for Analogue operation (ANE)£57

CDU Capacitor Discharge Unit (Gau)£11
PL-35 Capacitor Discharge Unit Mk2 (Pec)£12
CDU2 Cobalt Capacitor Discharge Unit (DCC)£37
PL-15 Twin Microswitch (Pec)£6

DCC decoders

10311-02 2-function 2-sided 0.50/8A Silver mini decoder NEM651 plug (Len)£29
10310-02 2-function 2-sided 0.50/8A Silver mini wired decoder (Len)£29
10321-01 21-pin 4-function 1-sided 1.1A Silver decoder (Len)£25
36-557 21-pin E-Z Command 4-function 1A decoder back EMF (Bac)£15.73
524-121 4-function 1.3A (2A peak) D13SR wired decoder (Size: 1.35" x 0.63" x 0.110" - very thin) x 10 (NCE)£114
524-125 4-function 1.3A (2A peak) D13SRJ decoder wiring harness (Size: 1.50" x 0.63" x 0.25") x4 (NCE)£45
DCR-8PIN-2SAX 8-pin (harness) 2-function 1.1Amp small & thin decoder back EMF (Hat)£11
DCR-8PIN-2SAX Box of 5 (Hat)£50
DCR-8PIN-2SAX Box of 10 (Hat)£99



DCR-8PIN-Harness 8-pin (harness) 4-function 1.1Amp decoder back EMF (Hat)£10
DCR-8PIN-Harness Box of 5 (Hat)£48
DCR-8PIN-Harness Box of 10 (Hat)£94
10231-01 8-pin 3-function 1-sided 1/1.8A decoder (Outputs A, B & C) (Len)£18
36-553 8-pin 3-function 1A decoder back EMF (Bac)£17.77
10331-01 8-pin 4-function 1-sided 1.1A Silver decoder (Len)£24

DCC accessory decoders

36-561 EZ Command Dynamis 4-output point decoder (similar to Hornby R247) (Bac)£36.55
DCD-ADS8 Solenoid accessory decoder (8-way) (DCC)£41

DCC controllers

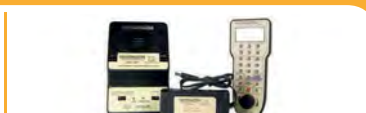


50200 ECoS Command Station DCC controller full colour LCD touch screen & dual controllers motorised dials & easy CV (ESU)£509



36-507 EZ Command Dynamis system - Additional handset (Bac)£64.13

524-042 NCE Power Cab controller (NCE)£136



DCC02 Prodigy "Advance 2" starter DCC controller package (Gau)£199



DCC03 Prodigy "Advance 2" Wireless starter DCC controller package (Gau) (list £479.95) **BARGAIN**£395
DCC14 Prodigy Advance 2 Backlit Walkaround controller (Gau)£99
DCC13 Wireless Walkaround unit for the Prodigy Advance 2 DCC system (DCC03) (Gau)£159

DCC accessories

A004Smart 4 Servo control & operation set (SmartFrog) complete switches, control board & digital readout for DCC operation (ANE)£115
A003Smart 4 Servo control & operation set complete switches, control board & digital readout for DCC operation (ANE)£79



23151 USB DCC computer interface and ethernet gateway software (Len)£124

Point motors

PL-9 5 Mounting Plates for use PL-10E (Pec)£2.25
DCP-CB1 Cobalt slow-action analogue point motor x 1 (DCC)£15
DCP-CB1D Cobalt slow-action digital DCC point motor x 1 (DCC)£21
PL-10W High performance turnout point motor (Pec)£6
PL-10WE High performance turnout point motor extended pin (Pec)£6
PL-10 Point Motor (Switch Machine) (Pec)£4.50
PL-10 Bag of 6 (Pec)£26
PL-10E Point Motor Extended Pin (use PL-9) (Pec)£4.50
PL-10E Bag of 6 (Pec)£25
PM-2 Seep point motor (Gau)£3.50
PM-4 Seep point Motor Self Latching Switch (Gau)£5
PM-1 Seep point motor accessory switch (Gau)£4
PL-11 Side mounted point motor (Pec)£7



PL-50 Turnout switch module (makes wiring points easy) (Pec)£14

Switches & Levers

PL-13 Accessory Switch for fitting to turnout motor PL10 (Pec)£2.50
DCP-CBS Cobalt S - Lever all accessories - unpainted x 1 (DCC)£16



DCP-CBS12 Cobalt S - Lever all accessories - unpainted x 12 (DCC)£165



PL-12 Motor Adaptor, fitted over-centre spring for other turnouts (Pec)£2.50
TLU Tension lock uncoupler (Gau)£9



DCR-CBS6 Cobalt S - Lever all accessories - unpainted x 6 (DCC)£29
PL-23 On-On Changeover Switch (style matches PL26 series) (Pec)£5.50
PL-26B Passing Contact Switch - Black Lever (Pec)£4.50
PL-26R Passing Contact Switch - Red Lever (Pec)£4.50
PL-26Y Passing Contact Switch - Yellow Lever (Pec)£4.50
PL-27 Switch Console Unit (Pec)£3
PL-51 Turnout switch module add-on (makes wiring easy) (Pec)£5

Electronic components

PL-12 Motor Adaptor, fitted over-centre spring for other turnouts (Pec)£2.50
TLU Tension lock uncoupler (Gau)£9



26211 Turntable Motorising Set (Exp)£21

Accessories

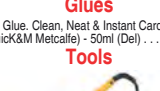
SL-14 Track Fixing Pins (Pec)£1.25

Cables & Wires

PL-34 Pre-wired Wiring Loom for use PL-10 and PL-10E motors (Pec)£3.50

Track underlay

JCS116S Cork Sheet - 1/16" Thick - 12" x 36" (Jav)£2



JCS18L Cork Sheet - 1/8" Thick - 24" x 36" (Jav)£8

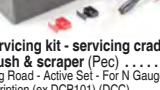
Glues

AD-57 Rocket Card Glue, Clean, Neat & Instant Card Modelling Glue (Ideal For Superquick&M Metacel) - 50ml (Ed)£5.20

Tools



77752 Antex Sk9 Kit Model Xs Soldering Iron kit 25 watt iron (Exp)£29



PL-71 Loco servicing kit - servicing cradle, infills, Powerlube, brush & scraper (Pec)£16
DCM-RR4B Rolling Road - Active Set - For N Gauge, OO Gauge & Others - See Description (ex DCP101) (DCC)£61
DCM-RR5B Rolling Road - Passive Set - For N Gauge, OO Gauge & Others - See Description (ex DCP102) (DCC)£44

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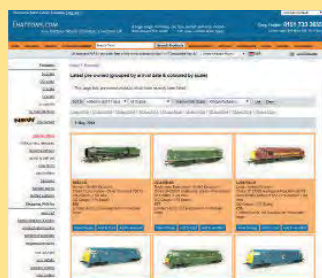
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A **Valuation** is made of your items



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R1177	Gloucester City Pullman Electric Train Set	£134.50
R3017	BR Patriot Class 'Sir Herbert Walker' KCB 'BR Green' (Late) #45535	£122.95
R3019	BR (Late) Grange Class 'Paviland Grange' #6845 - Weathered	£112.95
R3020	LMS 2-6-4T Fowler 4P Class LMS Red #2308	£100.95
R3103	BR Class A4 'Bittern' #60019 BR Green Double Tender - SE	£131.95
R3105	GWR Castle Class 'Wellington' GWR Green Hawksworth Tender	£122.95
R3118	BR Castle Class 'Penrice Castle' #7023 BR Green	£125.95
R3119	LMS 4-6-2 Princess Coronation Class 'Duchess of Abercorn' LMS	£115.95
R3185	South Eastern 'Sir Chris Hoy' Class 395 Javelin Train Pack	£157.95
R3187	GNR 6-6-2T NZ Class #1744	£78.95
R3204	LSVR 0-4-4T M7 Class - NRM	£113.95
R3205	BR 4-6-0 Rood Ashton Hall 4900 Class	£104.95
R3207	LNWR 2-8-2 P2 Class 'Cock O' The North'	£122.99
R3221	LMS 'Duchess of Sutherland' and Support Coach Train Pack	£148.95
R3222	GWR Green 2-8-0 42XX Class Locomotive	£104.95
R3224	BR Black 2-8-0 52XX Class Locomotive	£104.95
R3225	GWR Green 2-8-2 72XX Class Locomotive	£113.95
R3227	BR Black 2-8-0 Class O1 Locomotive 63663	£114.95
R3230	LNWR 0-6-0 J15 Class Locomotive - Pre 1948	£95.95
R3231	BR 0-6-0 J15 Class Locomotive - Early BR	£95.95
R3232	BR 0-6-0 J15 Class Locomotive - Late BR	£95.95
R3233	LNWR 4-4-0 D16/3 Class - Pre 1948 Locomotive	£95.95
R3234	BR 4-4-0 D16/3 Class - Early BR Locomotive	£95.95
R3235	BR 4-4-0 D16/3 Class - Early BR (1948) Locomotive	£95.95
R3236	BR 4-6-2 'Duke Of Gloucester' Class 8 - Late BR 1960	£109.95
R3237	GWR 4-6-0 'Caerphilly Castle' Castle Class - NRM	£128.95
R3238	SR 0-6-0 700 Class Locomotive - 1920s-1930s	£95.95
R3239	BR 0-6-0 700 Class - Late BR Locomotive	£95.95
R3240	BR 0-6-0 700 Class - Early BR Locomotive	£95.95
R3242	BR 2-6-0 K1 Class - Early BR Locomotive	£113.95
R3243A	BR 2-6-0 K1 Class - Different Running Numbers	£113.95
R3244TTS	BR Green 4-6-2 'Duke Of Gloucester' #71000 with TTS Sound	£122.95
R3245TTS	BR Blue 4-6-2 'Tornado' Peppercorn A1 Class TTS Sound	£135.95
R3246TTS	LNWR 2-8-2 'Cock O' The North' P2 Class Locomotive TTS Sound	£135.95
R3258	BR 2-BL 2 Car Electric Multiple Unit Train Pack	£113.95
R3260	SR 2-HAL 2 Car Electric Multiple Unit Train Pack	£113.95
R3263	BR Co-Co Diesel Electric 'Vanguard' Class 50 024 Locomotive	£129.95
R3267XS	Transrail Co-Co Diesel Electric Class 60 005 Skiddaw DCC Sound	£217.95
R3268	Arriva Train Wales 80-80 Diesel Electric Class 67 003 Locomotive	£122.95
R3269	BR Intercity 125 Class 43 HST (Eastern Region) Pack	£183.95
R3270	Midland Mainline Class 43 HST Pack	£183.95
R3271	BR InterCity Class 43 HST Pack	£183.95
R3273	RailRoad BR 2-10-0 Franco Crosti Boiler 9F Class - Early BR	£104.95
R3274	RailRoad BR 2-10-0 Franco Crosti Boiler 9F Class	£104.95
R3284TTS	RailRoad LNWR 4-6-2 'Plying Scotsman' A1 Class TTS Sound	£87.95
R3285TTS	RailRoad LNWR 4-6-2 'Gadwall' A4 Class Locomotive TTS Sound	£87.95
R3286TTS	RailRoad BR Empress of Canada Class 40 D232 TTS Sound	£73.95
R3287TTS	RailRoad BR Class 47 401 BR Blue Diesel Locomotive TTS Sound	£73.95
R3289TTS	Network Rail Class 37 97301 Locomotive with TTS Sound	£73.95
R3290A	BR 2-HAL 2 Car Electric Multiple Unit - Different Running Numbers	£113.95
R3291XS	Colas Rail Freight Co-Co Diesel Class 56094 with DCC Sound	£217.95
R8213	DCC Select Controller	£92.50
R8214	DCC Elite Controller	£203.50
R8249	4 Function Decoder	£14.00
R8312	eLink and RailMaster Combination Pack	£76.50

BACHMANN

30-042	Digital Starter Train Set	TBA
30-048	'The Highlanders' Digital Sound Train Set	TBA
30-053	Torbay Express Train Set	TBA
30-170	'Thames Clyde Express' Electric Train Set	TBA
30-575	The Railway Children Collectable Train Pack	TBA
31-029	Class 166 Networker 3 Car DMU #166204 Thames Trains	TBA
31-119	BR Standard Class 4MT #75035 BR Black Late Crest - Weathered	TBA
31-129A	3000 Class (ROD) 2-8-0 #3028 GWR Green	£114.71
31-137	Class D11/2 'Allan-Bane' #6399 LNER Green	£106.21
31-138	Class D11/2 'Hayston of Bucklaw' #62682 BR Black Early Emblem	£106.21
31-167DC	L5YR 2-4-2 Tank #50795 BR Lined Black E/E - Weathered	£88.50
31-187	Jubilee Class 'Nelson' #5664 LMS Crimson with Stanier Tender	£110.46
31-214	Patriot Class 4-6-0 'Giggleswick' #45538 BR Green Early Emblem	TBA
31-268	Class 419 MLV Network South East	£76.46
31-318	Robinson Class J11 (GCR 9J) #5317 LNER Black 0-6-0	£69.50
31-319	Robinson Class J11 (GCR 9J) #64311 BR Black Early Emblem	£69.50
31-320DC	Robinson Class J11 (GCR 9J) #4325 BR Black Late Crest	£86.50
31-344	Class 04 #D2332 Uoyd NCB Industrial Yellow - Weathered	£62.86
31-365	Class 03 #03170 BR Blue Wasp Stripes & Air Tanks - Weathered	TBA
31-431	Midland Class 1F #41708 BR Black Early Emblem (Preserved)	TBA
31-441DC	Ivatt Class 2MT 2-6-2 Tank #41291 BR Lined Black Late Crest	TBA
31-463	C Class 0-6-0 #271 SECR Plain Green	TBA
31-465	C Class 0-6-0 #31579 BR Black Late Crest	TBA
31-517DS	Class 158 2 Car DMU #158849 Regional Railways 'SOUND'	TBA
31-614	Class V3 Tank #67609 BR Lined Black Late Crest Cranked Pipes	TBA
31-635	Class 6400 0-6-0 Pannier Tank #6407 GWR Green	£69.66
31-637	Class 6400 0-6-0 Pannier Tank #6400 BR Lined Green Late Crest	£69.66
31-656DC	Class 47 #D1577 'Thor' BR Green Yellow Ends	£99.95
31-658	Class 47 #47190 Pectinidae BR Petroleum Sector - Weathered	£95.95
31-679	Type A15 Electric #E3095 BR Electric Blue Small Yellow Panel	£100.95
31-691	LMS Stanier Mogul Class #42969 BR Lined Black Early Emblem	TBA
31-692	LMS Stanier Mogul Class #42968 BR Lined Black L/C (Preserved)	TBA
31-920	H2 Class Atlantic 4-4-2 2426 St Alban's Head SR Olive Green	TBA
31-921	H2 Class Atlantic 4-4-2 23242 Beachy Head BR Black Early Emblem	TBA
31-995	LMS 10000 BR Brunswick Green, Lined Orange & Black	£89.50
31-996	LMS 10000 BR Brunswick Green, Part Eggshell Blue Waistband	£89.50
31-997	LMS 10001 BR Brunswick Green, Blue Waistband Yellow Panels	£89.50
32-038DS	Class 20 #20124 BR Blue Indicator Disks - Weathered 'SOUND'	TBA
32-065	Class 43 'Warship' #D865 'Zealous' #D865 BR Maroon Yellow Panel	TBA
32-066	Class 43 'Warship' 'Pegasus' #D835 BR Green Yellow Panel	TBA
32-085	Class 56XX #6639 BR Black Early Emblem	£63.71
32-233	Fowler Class 3F 0-6-0 T (Jinty) #23 SDJR Blue	£58.50
32-260DC	WD Austerity 2-8-0 #90448 BR Black Late Crest	£117.95
32-285	Class 101 2 Car DMU BR Green with Speed Whiskers	TBA
32-286	Class 101 2 Car DMU BR Green with Yellow Warning Panel	TBA
32-331	Class 25/1 #25043 BR Green Full Yellow Ends - Weathered	TBA
32-440	Class 24/1 D5135 BR Green	TBA
32-442	Class 24/1 #24137 BR Blue	TBA
32-529B	Class 55 #D9011 BR Two Tone Green	£87.95
32-550C	Class A1 'Tornado' #60163 BR Express Blue	£128.01
32-680	Class 45 #45036 BR Blue Split Centre Head Code	TBA
32-762DS	Class 57/3 'The Hood' #57312 Virgin - Weathered 'SOUND'	TBA
32-763	Class 57/3 'Pride of Crewe' #57309 DRS Compass Blue	£97.71
32-784	Class 37/0 #37242 Mainline Blue Centre Head Code - Weathered	£97.71
32-785DS	Class 37/0 #37254 BR Departmental - Weathered 'SOUND'	£208.21
32-786	Class 37/0 #37174 EWS Domino Head Code - Weathered	£97.71
32-927	Class 150/1 2 Car DMU #150128 First Great Western	TBA
32-938	Class 150/2 #150204 Northern Rail	TBA
32-992	Wickham Type 27 Trolley Car BR Engineers Yellow	TBA
32-993	Wickham Type 27 Trolley Car BR Engineers Yellow Wasp Stripes	TBA
35-076	Class E40-6-2 #473 Southern Green	£84.95
35-077	Class E40-6-2 #32556 BR Black Early Emblem	£84.95
35-600	Class 20 Diesel Locomotive - DC & DCC Sound	£121.55
35-675	Class 57XX Pannier Tank Locomotive - DC & DCC Sound	£112.20
36-553	DCC Decoder with Back EMF and 3 Function Outputs (8 Pin)	£15.95
36-556RA	E-Z Command 90° Pin DCC Decoder	£13.95
36-557	1 Amp 4 Function 21 Pin DCC Decoder with Back EMF	£14.50
36-558A	E-Z Command 6 Pin Decoder for 'OO' and 'N' gauge	£15.25

GRAHAM FARISH

370-080	'Countryside Coal' Digital Train Set	TBA
370-500	Cumbrian Mountain Express Collectable Train Pack	TBA
371-015B	Class 08 #08856 BR Blue with Wasp Stripes	£65.16
371-019	Class 08 #08897 EVWS - Weathered	£71.95
371-085	Class 25/1 #D5188 BR Green	£84.96
371-087	Class 25/2 #25234 BR Blue	£84.96
371-110	Class 31 #D5563 BR Green - Directional Lighting	£93.46
371-111	Class 31 #D5596 BR Green Small Yellow Panels - Directional Lighting	£93.46
371-112	Class 31 #31173 BR Blue - Directional Lighting	£93.46
371-165	Class 37/4 #37407 'Loch Long' BR Blue Large Logo	£89.20
371-168	Class 37/5 #37506 Railfreight Red Stripe	£89.20
371-169	Class 37/4 #37409 DRS	£89.20
371-286	Class 55 Kings Own Yorkshire Light Infantry #D9002 BR Green SYP	£93.46
371-287	Class 55 Prince of Wales's Own Regiment of Yorkshire #55005 Blue	£93.46
371-330	Class 150/1 #150128 First Great Western	£101.95
371-384	Class 66 #66209 EVWS - Weathered	£93.95
371-396	Class 66 (Low Emission Variant) Intehub G8 #66731 GBR	£89.21
371-454	Class 37 #D6827 BR Green Centre Headcode - Weathered	£97.70
371-558	Class 158 2 Car DMU #158871 Scot Rail	£97.50
371-604	Class 42 'Warship' 'Orlaught' #D832 BR Green	£93.46
371-635	Class 70 'Powerhaul' #70006 Freightliner	£99.95
371-656	Class 57 #57312 Network Rail Yellow	£93.46
371-657	Class 57 'Pride of Crewe' #57309 DRS Compass Livery	£93.46
371-752	Class 87 'Royal Sovereign' #87002 BR Blue	£89.21
371-880	Class 108 2 Car DMU BR Green Small Yellow Panel	£114.71
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372-030	Castle Class 'Earl of Dunraven' #5044 GWR Lined Green	TBA
372-181	Princess Coronation Class 'Duchess of Hamilton' #46229 BR Green	£127.46
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372-212	Class 37 (Jinty) #47345 BR Black Late Crest	£59.46
372-310	Merchant Navy Class #35024 'East Asiatic Company' BR Blue E/E	TBA
372-312	Merchant Navy Class #35028 'Cun Line' BR Green Late Crest	TBA
372-385	Class A2 'A.H. Peppercorn' #525 LNER Apple Green	£127.46
372-388	Class A2 'Blue Peter' #60532 BR Lined Green Late Crest	£127.46
372-400	Class 39 #1856 LNER Lined Black Flat Sided Tender	£75.95
372-536	Class 4MT Tank #80119 BR Lined Black Late Crest	£89.21
372-625	Ivatt Class 2MT #46521 BR Lined Green Late Crest	£87.95
372-626	Ivatt Class 2MT BR Lined Black E/E Locomotive 46440	£87.95
372-653	BR Standard Class 4MT #76079 BR Lined Black Early Emblem	£100.26
372-725	BR Standard Class 5MT 73068 BR Lined Green Late BR1C Tender	£99.95
372-727	BR Standard SMT 'Carnegie' BR Lined Black Early BR1B Tender	£99.95
372-752	Fairburn 2-6-4 Tank #42073 BR Black Late Crest	£89.21
372-800A	Class A1 'Tornado' #60163 BR Lined Brunswick Green	£125.50
372-800B	Class A1 'Tornado' #60163 BR Express Blue	£119.50
372-930	N Class 2-6-0 #1406 SR Olive Green Slope-sided Tender	£110.46
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DAPOL

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OO GAUGE

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O GAUGE

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OO GAUGE

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3910/1/2/3	LNOR 02/3 - Various Liveries & Running numbers	£147.50
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26841	Königlich Sächsische Staatseisenb. Class 99.516 Steam Locomotive	£776.95
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BPGM510	Bulk Pack of 25 Mini-Toggle Switches for Point Motors	£44.95
DC001	Prodigy Express Package	£119.95
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DC013	Prodigy Advance 2 Wireless Walkaround	£144.50
DC014	Prodigy Advance 2 Backlit Walkaround	£114.00
DC023	6 Pin N Gauge Plug-in Decoder	£21.00
DC027	OMNI 21 & 8 Pin Decoder	£16.50
DC030	Accessory Decoder	£46.75
DC040	Auto Reverse Module	£32.25
DC049	Prodigy DCC 8 Amp Booster Unit	£139.50
DC051	Prodigy Wireless Conversion Set	£220.95
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Model Q	Four Track Controller	£124.50
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PM2	Point Motor	£3.95
PM4	Point Motor Self Latching with Switch	£4.50
100M	Single Power Controller	£67.95

PECO

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PL10W	Turnout motor with low current coils	£6.00
PL10WE	Turnout motor with low current coils and extended pin	£6.00
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PLS-125	'SmartSwitch' Servo Motor (Single)	£14.50
PLS-130	'SmartSwitch' - 'Smartfrog'	£10.50
PLS-135	'SmartSwitch' Stationary Decoder	£14.50
PLS-140	'SmartSwitch' 1M Cable Extension	£5.00

OO GAUGE

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SL100F	25 Yards Code 75 Wooden Sleeper Flexible Nickel Silver Track	£64.50
SL102	25 Yards Code 100 Concrete Sleeper Flexible Nickel Silver Track	£62.50
SL102F	25 Yards Code 75 Concrete Sleeper Flexible Nickel Silver Track	£72.00
SL104F	25 Yards Code 75 Steel Sleeper Flexible Nickel Silver Track	£75.00

N GAUGE

SL300	25 Yards Code 80 Wooden Sleeper Flexible Nickel Silver Track	£63.50
SL300F	30 Yards Code 55 Wooden Sleeper Flexible Nickel Silver Track	£76.50
SL302	25 Yards Code 80 Concrete Sleeper Flexible Nickel Silver Track	£63.50
SL302F	30 Yards Code 55 Concrete Sleeper Flexible Nickel Silver Track	£77.50
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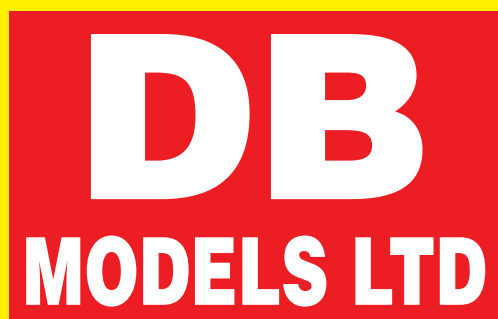
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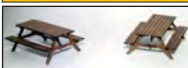


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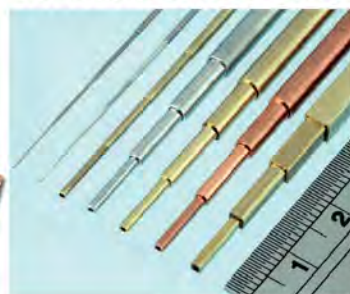


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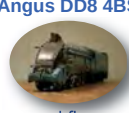
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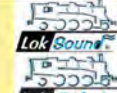
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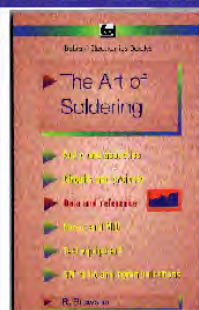
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Quality Backscenes the company, was conceived when Neil, a model railway enthusiast and collector was considering different options for backdrops to his various model railway layouts. Above all, they needed to be interchangeable and be in the region of four metres long, able to be curved at corners and on a weight of paper that, with guides at top and bottom, could be, effectively, free-standing.

He discussed the challenges with his friend, Geoff, with whom he had collaborated in web-design projects over a number of years, this being Neil's 'proper job'. Geoff has developed a reputation as an accomplished artist, mainly specialising in technical subjects, including trains but, notably, in historic aviation in which the highly detailed backgrounds play an important part in the story being presented, and he was keen to try his hand at something a bit different.

It was clear that if each backscene were an original painting, it would be very susceptible to damage when being changed. Furthermore, even the largest canvas available would mean that each completed backscene would consist of several separate paintings, leading to a need to disguise a number of joins.

Replaceable printed versions offered a much more satisfactory solution and so Geoff set about painting carefully matched sections, approximately one metre in length, in quick-drying oils. Neil then scanned each painting and 'stitched them together' using image-manipulation software, ready to be printed.

This proved to be a great success for Neil's layouts, but early research had shown that backscenes of this style and quality were not available elsewhere and the decision was taken to move the range forward commercially.

The company is now well established and ships the backscenes across the UK as well as to the US, Europe, the Far East and even Australia and New Zealand. They are sold predominantly through the Quality Backscenes website (www.qualitybackscenes.co.uk) as well as via direct enquiry and from eBay.

And Geoff and Neil do offer a number of bespoke services, including for those wanting something unique, and - as they point out - the backscenes make wonderful friezes for a playroom ... whatever the age of the child!



(See our Product Review on page 73.)

BRM NEXT MONTH

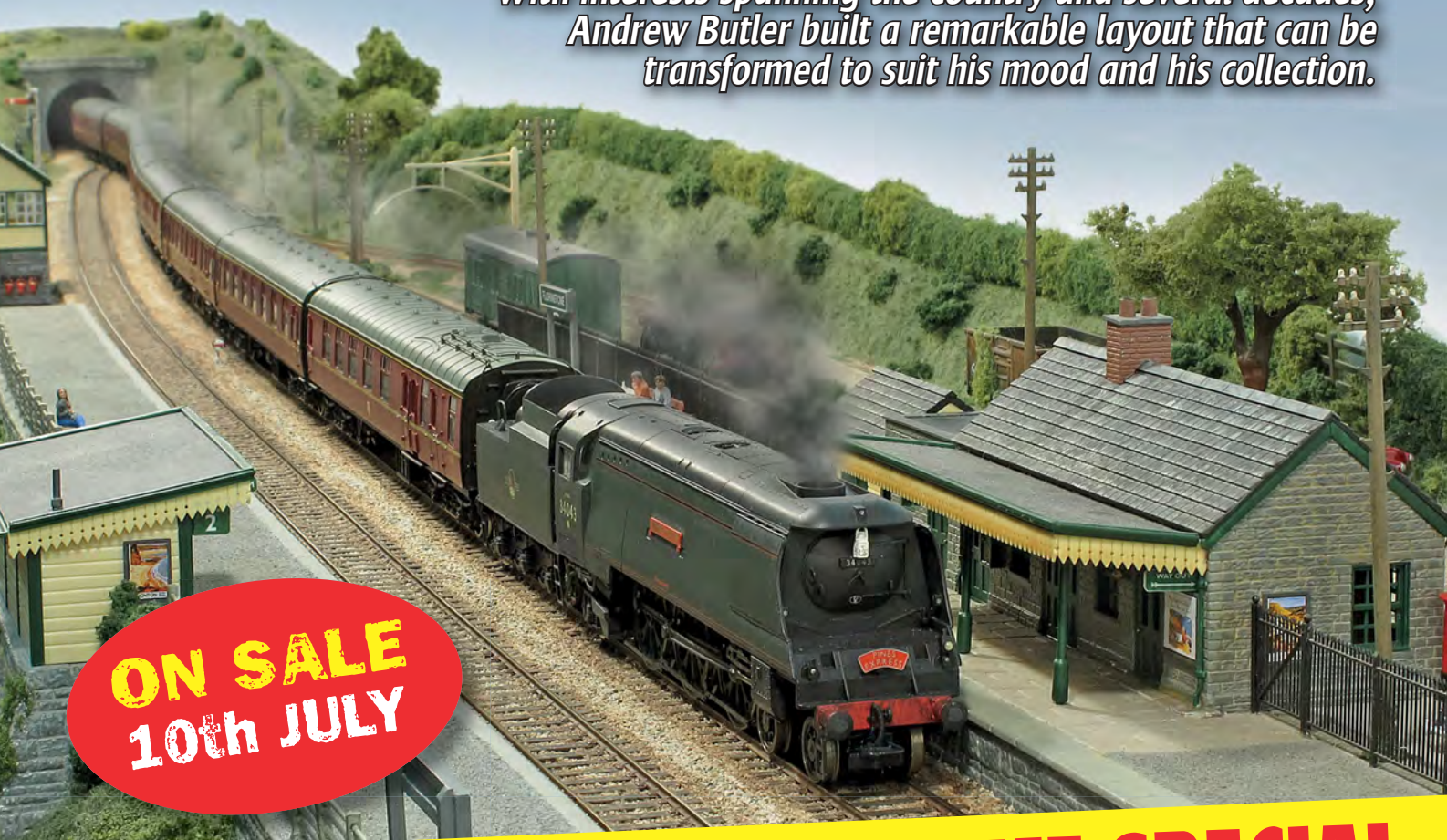
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Master kit-builder Tony Wright returns with a project to modify and improve Bachmann's K3 'Mogul'.



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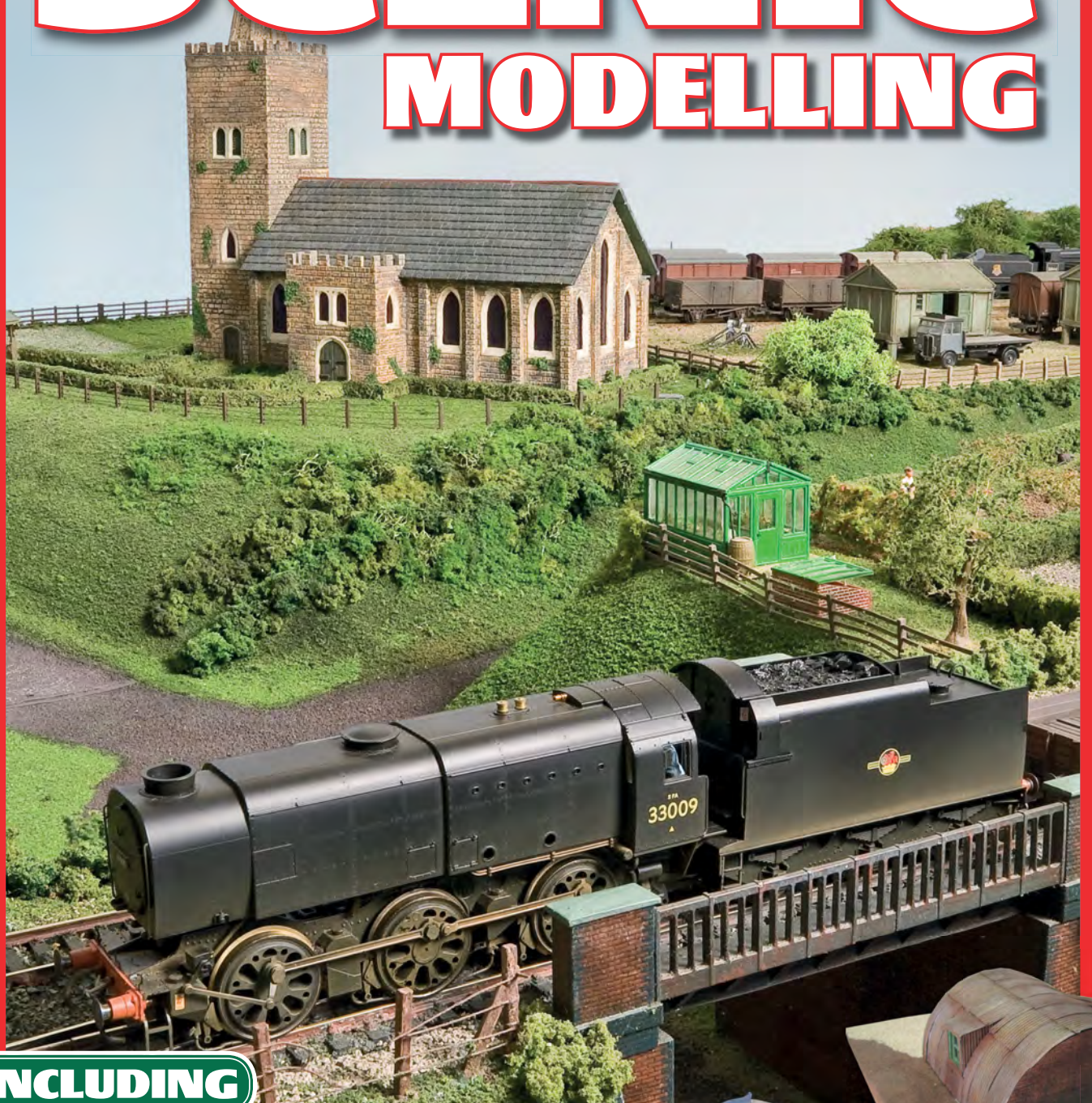


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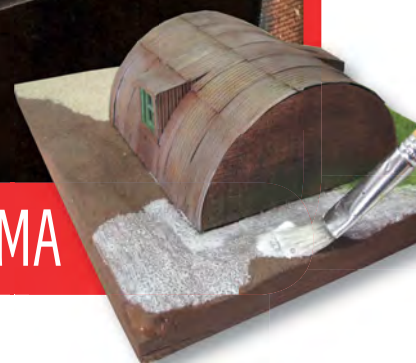
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1:148 SCALE 'N'



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circa 1975 - 1990

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'EAST YORKSHIRE NBC'
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1:148 SCALE 'N'



NB001 - DUPLÉ DOMINANT II
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THE **BRM** GUIDE TO GETTING STARTED IN SCENIC MODELLING



Welcome to the latest in the series of **BRM** mini-magazines looking at essential aspects of building a model railway. When I take layouts such as Edgeworth out to events, I'm constantly being asked about the best ways to make scenery and landscapes and what materials are required to do the job properly. It's difficult to know where to start – there are enough products out there and so many different techniques that I could easily fill a book on the subject!

We're not blessed with that sort of space here, so I've concentrated on a couple of themes that should help novices and those hoping to improve their scenery skills. My Nissen Hut diorama required a number of skills and products that will stand the modeller in good

stead for a wide range of scenic tasks. It's a quick, simple and achievable project that can be used to improve your modelling and increase confidence without breaking the bank.

Following that is a quick look at products and materials found around the home that can be commandeered for your modelling projects. Not only does this encourage you to be a little more creative in your purchasing habits and modelling, it can also save you a substantial sum to re-invest in other parts of the layout! You'll be surprised how many DIY and household products can be used for purposes other than those intended!

Don't miss my series of supplements on the Edgeworth project in December 2013 and January/February 2014 issues of **BRM**. Download back issues of **BRM** today at www.brmm.ag/BRMdigi

Phil Parker



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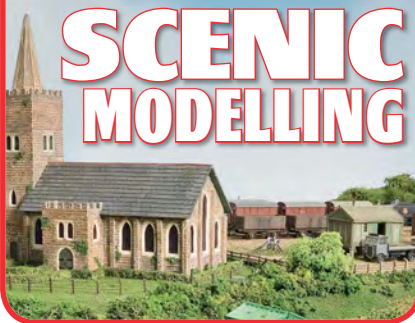
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THE **BRM** GUIDE TO
GETTING STARTED IN
**SCENIC
MODELLING**



HOW TO...

BUILD A NISSEN HUT

A diorama is a great way to practice scenic skills and new techniques, as **Phil Parker** shows with a wartime Nissen Hut.

Is 3-D printing the future? People tell me that it is, but I'm not yet convinced. At the moment, the surface texture tends to show when you examine it closely but as the technology improves, this will become less of a problem. For the moment, a little clever thinking is required.

So what is the solution? Perhaps using the technology to provide a base and cover it with suitably textured materials? This is the approach Model Textures has taken with its Nissen Hut kit.

Available in 4 and 7mm scales, the modeller receives a 3D printed hut and packs of Redutex self-adhesive texture sheets to cover it with. 4mm modellers have a complete set consisting of Flemish bond bricks, wooden planking and corrugated iron. In 7mm, the metalwork isn't available so I've used some pressed metal from the Ambis Engineering range.

In simple terms, all you do is cover the plastic hut with the materials and you'll have a finished model. In reality, there is loads of opportunity for the builder to personalise

their model. Real huts didn't stay pristine for long, so you'll need to indulge in some weathering. Basic huts were often modified with extra windows, chimneys or just a lack of maintenance resulting in rusted-out iron providing extra access to the interior.

I decided that mine is used as a carpenter's workshop having been built for another purpose years before. Around the building we find a collection of weeds and unkempt grass, as you would for any shed.

You don't even have to be handy with a paintbrush as the Redutex finishes are pre-coloured and the metalwork is also right, if a bit shiny. We could be

seeing a lot more of this sort of multi-media kit in the future. **BRM**

There's loads
of opportunity
for the builder to
personalise their
model.

PROTOTYPE INSPIRATION



An ex-military Nissen hut at Long Marston in Warwickshire. The wooden ends have been replaced by brickwork and a chimney added. All the huts on this site have the same pale green paint on the corrugated iron. The army buys its paint in bulk!

WHAT WE USED

Model Textures

7mm 3D Printed Nissen Hut - £7.99
 Redutex Flemish Brick - £8.38
 Redutex Wood Slats - £7.39
 W www.modeltextures.co.uk

Ambis Engineering

W www.ambisengineering.co.uk
 A_D8 Domestic Pattern Corrugated iron - £3.00 per pack (I used 1 ½ packs)

Green Scene

Long fibres - £3.95 per pack
 Little Leaves - £3.95 per pack
 Plant Stems - £2.45 per pack
 Foliage Fibre - £2.95 per pack
 Forest in a box - £15.45 per box
 Flockit static grass applicator - £80.00
 W www.green-scene.co.uk

Woodland Scenics

Blended Turf - £5.65 per pack

Hornby

Coarse Spring Grass Green Tufts - £4.15 per pack
 W www.green-scene.co.uk

Pet Supermarket

Supreme Bathing Sand (Chinchilla sand) - £2.90 for 1 litre

W www.pet-supermarket.co.uk

Note: There was lots of scenic material left over at the end of the project.

Our woodworker is a whitemetal figure from the Phoenix figures range. His tools come from the same supplier. All the furniture is made from old coffee stirrers.



TURN OVER
 FOR STEP-BY-
 STEP GUIDE



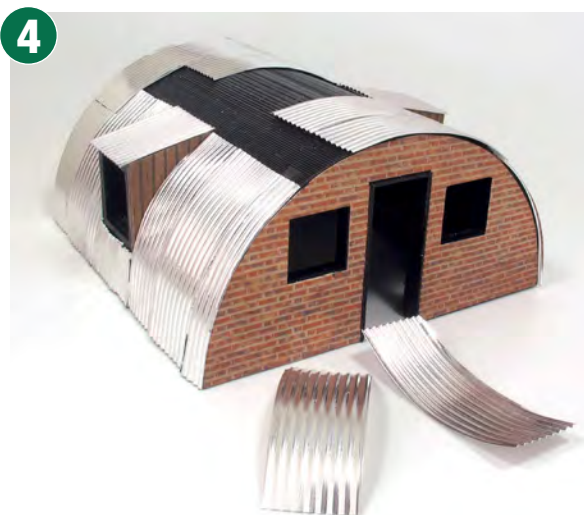
THE **BRM** GUIDE TO GETTING STARTED IN **SCENIC MODELLING**



STEP-BY-STEP GUIDE ➡



The 3D printed Nissen Hut, sheets of brick and wood finish from Redutex and Ambis Engineering corrugated iron.



The Ambis sheet can be cut to scale 3ft wide sheets by scoring along a corrugation with a large knife and then snapping the sheet along the line. Each sheet was bent around a can with a smaller diameter than the hut. Finally they were glued in place with a single corrugation overlap. After experimenting with UHU and superglue, impact adhesive worked the best for fixing.



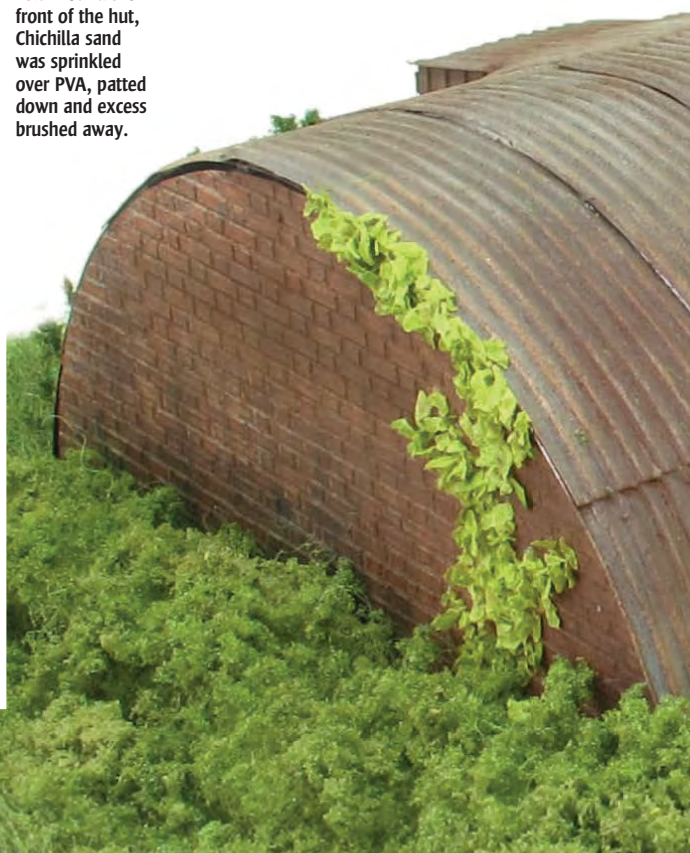
Two coats of thinned primer, Humbrol Acrylic No. 1, removed the shine and gave a realistic slightly mottled colour. Further weathering with washes of browns followed finished off with some weathering powders.



Left Around the front of the hut, Chichilla sand was sprinkled over PVA, patted down and excess brushed away.



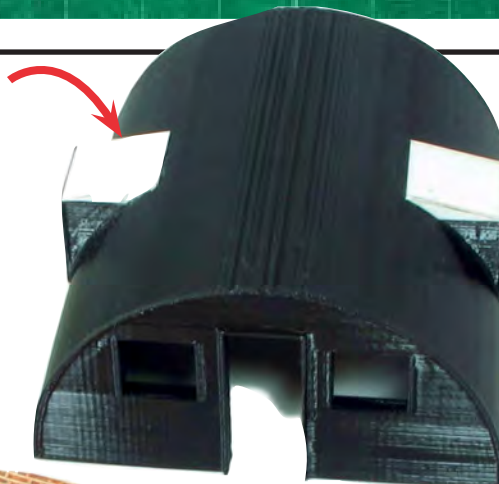
7mm grass is obviously longer than the 4mm version so I stocked up on longer (6mm) static fibres. Any leftovers will be useful for the rougher areas of my OO scenery.





Most of the photographs I found of prototype huts showed the corrugated iron above the windows sloped down to let rainwater run off. Adding plastic card extensions involved quite a bit drawing around the edge of the building and then some trial and error for the final fit.

3 More drawing around the building allowed me to cut out the front and back brickwork as well as the window sides. Working on the back of the self adhesive sheet, I tried to be generous with the dimensions. You can cut away more material but adding it is very difficult. If you aren't confident, make guides from paper of card first to avoid wasting the Redutex sheets.



Horizontal glazing bars were added to the windows using 1mm square Plastruct strip, as prototype photos generally showed four square panes rather than two tall ones.

7 On the base, household filler was used to build up some ground texture and then sealed with earth colour emulsion.



FURTHER READING

If what you've seen here appeals, take a look at *Modelling Grassland and Landscape Detailing* by Gordon Gravett.



TURN OVER
FOR MORE
STEPS



THE **BRM** GUIDE TO GETTING STARTED IN **SCENIC MODELLING**

STEP-BY-STEP GUIDE

10



Applying electrostatic grass starts by painting the scenery with PVA. I like to thin the glue a little with water so it flows in to all the lumps and bumps on the ground. Work in small areas as the glue dries quickly.

13



The Chinchilla dust was tinted with thinned brown acrylic paint. To avoid a uniform colour, I added a few drops of water to the mix as I worked hoping the colour would fade from the edges. If I'm honest, the effect is probably too subtle to worry about.

14



Nettles start life as 'plant stems' dripped in thin PVA and then into flock powder. Each is then dipped in neat PVA and planted using tweezers. It's a time consuming, but effective process.

17



Being careful to mask the building with a bit of card, the net was sprayed with hair lacquer. Sprinkles of coarse and fine flock powder provide the leaves.

18



Larger plants are cutting from sea foam, sold as 'Forest in a box', dipped in PVA and then in scatter before being planted.

11



Grass fibres are sprinkled from the grass tool. This has to be earthed to the wet glue, something I did by clipping the lead on to a metal tool and poking it in to the PVA. This makes moving the connection around easy so there isn't a bare patch left at the end.

12



Once the glue has dried, excess fibres were vacuumed away. Holding a handkerchief over the nozzle stops the fibres ending up in the cleaner bag, instead they go back in the grass tool for re-use.

15



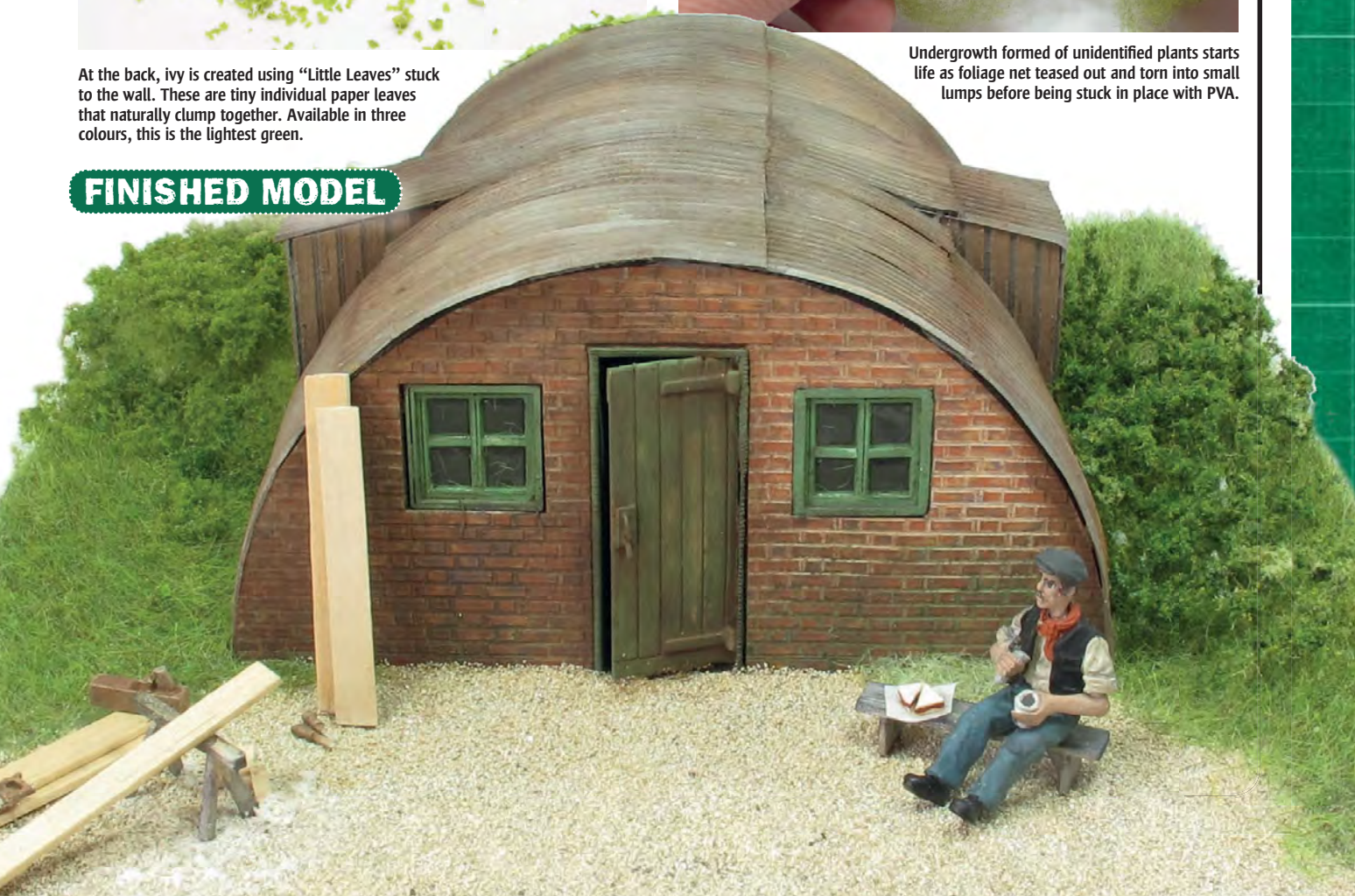
At the back, ivy is created using "Little Leaves" stuck to the wall. These are tiny individual paper leaves that naturally clump together. Available in three colours, this is the lightest green.

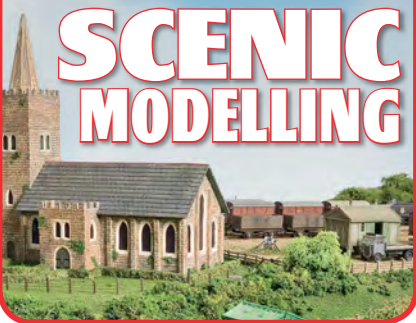
16



Undergrowth formed of unidentified plants starts life as foliage net teased out and torn into small lumps before being stuck in place with PVA.

FINISHED MODEL





HOW TO...

MAKE G THE THINGS T

Many useful materials for making scenery can be found around the home, as **Phil Parker** finds out.

We spend a lot of time talking in **BRM** about special scenic products sold by the many excellent suppliers who

specialise in providing miniature greenery. Those little packets aren't the only products you'll need to finish a layout though, often they are the icing on the cake.

For a lot of the basics, we can shop in DIY

stores and on the high street, though a lot of this stuff might already be sitting in your garage or shed. Rather than let it go to waste, see what you can use on the layout and save a few quid for other things. **BRM**

INSULATING FOAM

Available in sheets, tiles and scrap packaging, polystyrene makes an excellent base material for hills and mountains. Pile it high and then carve to shape, it's far simpler to use than wooden formers and chicken wire. The sculpting is an incredibly messy process but if you wait until everyone is out of the house, and keep a vacuum cleaner handy, you'll soon have a landscape to be proud of.

The biggest problem with polystyrene is that it must not come into contact with heat or solvents. Both cause it to melt and give off noxious fumes. This means sticking sheets together with solvent-free glue and covering the hillsides with plaster. Once sealed, you can of course use anything you like for paint and glue.

Expanded polystyrene might be common but isn't the only foam available. There are harder insulating foams, some are solid enough to be used with no support as baseboards. Some wood under

the track base will be required if you wish to use pins to hold the track down but the foam can provide the structure.

Sheets of foam can be bought from DIY stores and builders merchants but the more 'careful' amongst us can also keep an eye on skips near building sites as the chunks thrown away are often big enough for our purposes. Ask before taking it, but any request is unlikely to be refused.



Above Once the tiles are stuck together, they need final shaping. The best tool for this is a small surform intended for woodworking. It's a messy job, so keep the vacuum cleaner handy. **Right** Sticking the tiles together requires a solvent-free glue such as 'No More Nails'.



“Polystyrene makes an excellent base material for hills and mountains.”



Above Earlier in the year, we used layers of polystyrene ceiling tiles to build up Edgeworth's hillsides. They were roughly cut to shape before being built up in layers to form the basic shape. **Right** Andy York built an embankment from hard foam in the March 2014 **BRM** to use as a background for photographs. Here we see the basic landscape carved from a sheet styrene.

GOOD USE OF WHAT WE FIND...

EMULSION PAINT

For the backscene, a coat of sky blue is a good base. A single pot was enough for the 7' long Edgeworth backscene.

As real ground is a brown earth colour before anything grows on it, it makes sense to paint the plaster or filler covering hillsides a similar shade before we start covering it with flock.

For some reason the paint manufacturers don't make colours called 'mud' but they do produce lots of browns that are a very similar shade. Unless you have a massive layout to paint, buy lots of different shades in matchpot size. These go a long way; a very long way if you poke your brush in different pots as you work to mix the colours up a bit.

TURN
OVER FOR
MORE

Left Many shades of brown. You can mix them all in a big pot or just dip the brush in different shades as you work to vary the colour on the layout. **Right** Don't use good brushes for painting groundwork, either find some too tired for domestic decorating or pick up cheap bristle brushes. Once these are worn out, you can always use the bristles themselves as model weeds.



THE **BRM** GUIDE TO GETTING STARTED IN **SCENIC MODELLING**



PVA GLUE

If there's one scenic product you are guaranteed to need loads of, it's PVA glue. This is one material where buying larger quantities sees the price reduce considerably. It seems that the packaging is the most expensive part - the glue itself costing very little.

Builders use PVA for sealing brickwork, carpenters for fixing joints and playgroups for sticking children to everything. All of these buy the glue in bulk so builders merchants and DIY stores sell it in tubs of five litres or more. Mine came via a friend who works in a playgroup as they have their own supplier and it has lasted for several layouts.

Applied neat, PVA is a useful clear-drying glue, but most of us will use it thinned 50:50 with water to soak in to ballast or slightly thinned and brushed over the ground before sprinkling with scatter. Don't forget a couple of drops of washing up liquid when you thin the glue, it breaks the surface tension and makes the mix flow better.

I like to keep both neat and dilute PVA handy while working. A couple of plastic pots from my local Chinese takeaway are ideal for this once the sweet and sour sauce had been washed out of them!



PVA glue can be bought in many different sized bottles. Re-fill smaller ones from the large sizes as it works out a lot cheaper.

WALL FILLER

Even smooth ground has some contours - if you don't believe me just ask anyone with a lawn how flat it really is. To produce these I build up the surface of the baseboard with household wall filler. You could use plaster but filler just seems stickier, easier to work with and more robust.

While the ready-mixed version is great for small areas, buying filler as powder is cheaper and easily the best bet if you are covering a large area. While mixing it up, put a dollop or two of brown emulsion paint in to give a bit of colour. That way if the surface is damaged, you'll see a mud colour not bright white.

Ready mixed fillers don't last long once the tub has been opened, so after finishing a DIY task, use them up on the layout rather than letting them go off in storage.

For working with filler on the layout, keep



Ready-mixed filler is handy for small areas but the powder version is cheaper and easier to colour.

an eye open in your junk mail for plastic cards offering free DVD rental or credit cards. They make ideal spreaders and at least serve a purpose before you chuck them in the bin.



Above The sand on my beach is pretty coarse. In 4mm scale it could be mistaken for shingle if you look closely. Ideally you need something soft with tiny grains, a visit to a builders yard might be useful. **Right** The smallest grained sand I have found so far is intended for chinchillas to live in and can be bought from pet supply stores and websites.

SAND

When I built a beach scene for **BRM** in August 2013, I had great difficulty finding suitable sand. In the end I used some from Games Workshop that was surprisingly expensive, supplemented with chinchilla dust. Visitors to exhibitions who looked at the model suggested that a bag of play sand for children would be just as fine and considerably cheaper. Since you would have to buy a big bag of it, either acquire a scoopful from the children's sandpit or share the purchase with other modellers.



New N & OO scale models
now available
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THE **BRM** GUIDE TO GETTING STARTED IN **SCENIC MODELLING**



YACHT VARNISH

People are always poking the water on my layouts to see if it's wet. All those dry fingers are proof that half-a-dozen coats of yacht varnish

Right In the November 2013 issue of **BRM**, I built a short section of canal using yacht varnish to provide the water.

over a brown base are just as realistic as real water would be - with the added benefit of not running off the layout when we pack it up at the end of a show.

Yacht varnish is just a name given to very high gloss varnish that can be used both in and outdoors, making it an ideal material for DIY tasks. The leftovers will probably be enough for the layout and you wouldn't want to waste them would you?

ONE FURTHER HINT!

Water is never dusty so you'll need a can of spray polish and a duster to keep things realistically gleaming.



Above Used neat and fixed in place with dilute PVA, sawdust makes excellent muddy ground once painted with brown emulsion. **Right** Sawdust can get everywhere if you aren't careful, so it needs to be stored in a sealed box such as an ice cream tub with a tight-fitting lid.

“Sawdust is a cheap and handy material for providing a bit of texture.”



SAWDUST

Very few surfaces in the real world are completely smooth and a cheap and handy material for providing a bit of texture is sawdust. You can sprinkle it on glue or mix with paint. Use it as to represent ash-ballasted sidings - it's much easier to work with than real ash too.

My supply is the leftover from sanding a wooden floor. The dust collected from the bag on the sander is very fine. Despite this, when I scatter it, the sawdust is worked through a plastic tea strainer to remove any clumps.

Right Early roads were often made from crushed stone and here I was able to use the sawdust in its natural colour.





A hank of plumbers hemp. Cut in to short lengths with scissors, it has all sorts of scenic possibilities.

PLUMBER'S HEMP

This product will take a little more searching out as it's largely obsolete for its intended purpose of winding around the thread to stop leaks in plumbing fittings. Specialist suppliers still stock it though and can be bought online at very low cost.

Plumber's hemp is a loose fibrous material that can be chopped in to short lengths and planted as corn fields, reeds or just scrubby grass growing around the edges of buildings or posts in the ground. Plant clumps in to neat PVA and prod around with your finger to give them shape. It's a time consuming way to work but very effective.



Fresh from a pound shop, you can see that this liner can be teased out to give some nice lumpy undergrowth.

HANGING BASKET LINER

There's a lot of scrubby undergrowth out there once you leave behind beautifully tended parks and gardens. Recreating this is easy; you just need a coarse fibre base with flock powder sprinkled over. Hanging basket liner is great as it can be teased out to cover an enormous area. The coarse fibres look a lot like real undergrowth.

This is an economical way of working as very few modellers will work through more than a single liner on their layout. If the colour is too strong, dunk the liner in a weak bleach solution for a few hours and it will fade to a more natural beige.



Andy York used hanging basket liner as the basis for his scrubby undergrowth in the March 2014 BRM. Once laid on the embankment sides, electric hair trimmers were used to sculpt it to a suitable length.

MASKING TAPE

Not really a scenic material this one, more an essential while you are working on scenery. When slopping plaster, filler and paint around on a layout, the trackwork really needs to be protected as digging it out from spills can be next to impossible. A wide roll costs far less than replacing a single point which has been filled with plaster.

With all the track on Edgeworth laid and ballasted, I protected it with lots of masking tape before commencing scenic work.



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