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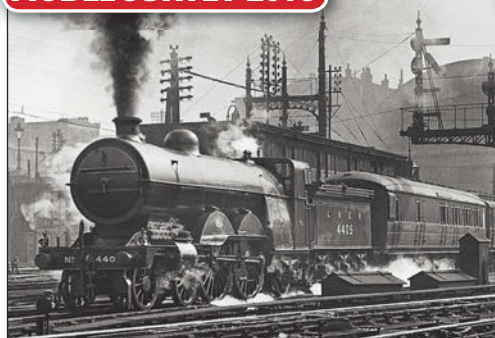
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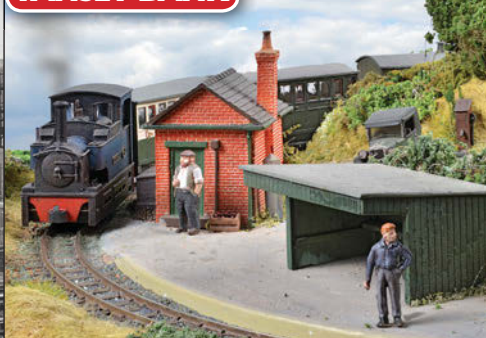
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AUGUST 2013 **magazine**

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 Bachmann's 'WD' 2-6-0 for 'OO'
 Mid-Wife Falcon from Hedger
 Essential tools and materials

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ON SHED
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MODEL SURVEY 2013
TANSEY BANK
15 MINUTE MAKEOVER

PLUS MEL JAN PLANS CLASS 25, 42 AND 45 FOR 'O'!
 MODELLING MIDLAND TPO TRAINS ON A BUDGET

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Win one of FIVE steam locomotives in our latest competition - see page 13!

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Bachmann's 'Austerity' returns DCC ready, Heljan's *Falcon* swoops down in a new livery, and there's some interesting lineside models too in this month's packed review section.

15-MINUTE MAKEOVER

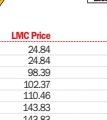
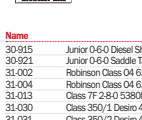
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Mike Wild tweaks a Hornby Skaledale building with some quick alterations which can make a huge difference in just a quarter of an hour.

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33.829A	Class 105 10038 2MT 2-6-0 46446 BR Black L/O	71.48		94.75
33.903	Class 108 2 Car DMU BR GMPTE White & Blue	80.29		106.05
33.904C	Class 108 2 Car DMU BR Blue	100.39		132.6
33.905	Class 108 2 Car DMU BR Blue/Grey Lender	93.97		110.55
33.906	Class 108 2 Car DMU BR Green	93.97		110.55
33.912	Class 108 3 Car DMU BR Blue FLYE	114.67		134.9
33.913	Class 108 3 Car DMU BR Green & Whisker	114.67		134.9
33.926	Class 150 1-2 Car DMU Central Trains	79.49		105
33.936	Class 150 1-2 Car DMU Regional Trains	79.49		105
33.954	BR Standard Class 4MT 2-6-0 70508 BR Black & Emblem	87.51		109.75
33.956	BR Standard Class 4MT 2-6-0 70309 BR Black L/O Crest	87.51		109.75
33.980	Class 66 66713 'InterCity' GBR Europe	86.39		101.65

PRE ORDER BACHMANN				
Name		LMS Price		RRP
33.065	3200 Earl Cl 9022 BR Black & Emb - Whtd	98.05		129.45
33.086	3200 Earl Cl 9017 BR Black & Emb (Preserved)	89.08		117.65
33.087C	3200 Earl Cl 3203 GWR Green	102.33		135.15
33.105	L4XR 2-4-2 Tank 10618 LMS Black	67.96		79.95
33.166	L4XR 2-4-2 Tank 50735 BR Black & Emb	67.96		79.95
33.167C	L4XR 2-4-2 Tank 10618 LMS Black & Emb	82.83		97.45
33.318	Robinson Cl J11 (GCR 95) 5331 LNER Black	76.29		89.75
33.319	Robinson Cl J11 (GCR 95) 5343 LNER Black	76.29		89.75
33.320C	Robinson Cl J11 (GCR 95) 5343 LNER Black	91.16		106.75
33.587C	Cl 70 Powerflow 70004 Freighter	119.42		140.5
33.588	Cl 70 Powerflow 70004 Freighter - Whtd	115		136.5
33.657	Cl 47715 'WARRNET' BR Black & Emb	86.36		101.6
33.658	Cl 47 47190 'PECTINIDAE' BR Sector - Whtd	97.7		114.95
33.658D	Cl 47 47190 'PECTINIDAE' BR Sector	209.61		246.6
33.780	Hall 6968 'Swindham Hall' BR Green L/O	92.61		108.95
33.781	Cl 67 67031 'Foreman' Hall BR Green & Emb	92.61		108.95
33.880	Cl 47 3851 LMS Johnson 'Dooley' Tender	76.29		89.75
33.881	Cl 47 3850 BR Green & Emb Johnson 'Dooley' Tender	76.29		89.75
33.882	Cl 47 43024 BR L/O Crest Foreman (Preserved)	76.29		89.75
33.995	LMS 10000 BR Green, Orange & Blue	85.64		113.1
33.996	LMS 10000 BR Train, Part Eggshell Blue Waistband	85.64		113.1
33.997	LMS 10001 BR Green Blue Waistband & FLYE	85.64		113.1
33.998	Cl 60196 'Butter Hall' BR Green & Emb	90.65		105
33.231A	Cl 3F 0-6-0 (Jrly) 47314 BR Black & Emb - Whtd	64.13		75.45
33.231C	Cl 3F 0-6-0 (Jrly) 47314 BR Black & Emb	58.31		68.6
33.260C	W0 Ashtery 2-6-0 90448 BR Black L/O	125.29		147.4
33.261	W0 Ashtery 2-6-0 90444 BR Black & Emb	110.42		129.9
33.285	Cl 101 2 Car DMU BR Green/Skink	95.84		112.75
33.286	Cl 101 2 Car DMU BR Green FLYE	95.84		112.75
33.287	Cl 101 2 Car DMU BR Green & Whisker	95.84		112.75
33.360	BR Standard Cl 4MT Train 80121 BR Black & Crest	82.32		96.85
33.431C	Cl 24 20277 BR Blue with Indicator Discs	74.08		87.15
33.473C	Cl 40 41019 BR Black Split Head Code Boxes	84.58		111.7
33.480C	Cl 40 0211 'Maunders' BR Black & Emb (Head Code Boxes)	83.71		101.6
33.481	Cl 40 D369 BR Green Centre Head Code	80.07		94.2
33.520B	Cl 55 09011 BR Two Tone Green	80.37		94.55
33.736	Cl 66 66344 Coas	86.45		101.7
33.747	Cl 47 47834 'Fly Fry' InterCity Seawallow	86.45		101.7
33.816	Cl 47 47365 'Diamond Jubilee' BR Railfreight Distribution	86.36		101.6
33.817	Cl 47 47701 'Saint David' Scot Train RES Red & Grey	86.36		101.6
33.828A	BR Standard Cl 2MT 2-6-0 46526 BR Black & Emb	86.27		101.6
33.859	BR Standard Cl 4G 92233 BR Black & Crest - Whtd	124.02		145.5

Items shown are not necessarily at our shop, we also have a warehouse, please call when collecting to ensure stock

IS THE DEVIL THE DETAIL?

IF YOU COULD design a perfect specification for a model, every detail would be accurate. If it was a steam locomotive it would have full valve gear detail inside and outside the frames, a fully detailed smokebox interior and it would look and sound just like the real thing. Sound would escape from beneath the chimney in full stereo with wonderfully authentic bass notes and we would marvel in awe at the sheer quality, detail and majesty of a finescale steam locomotive in motion.

Fortunately today we receive models which meet many of these criteria, but they are also produced in a world of mass production where the final price is a factor too. To produce our perfect model would be an expensive exercise, but would it really make the majority of us happier than we already are?

I'm sure everyone is aware that the price of models has risen and risen over the past few years and there are rumours of further manufacturing price rises to come. That raises two significant questions – what details are absolutely vital, and which are we prepared to compromise on?

21st century plastic moulding techniques are massively advanced compared to those of even 20 years ago. Compare a modern day Bachmann, Dapol, Heljan or Hornby 'OO' gauge locomotive with a Lima model and

there is a stark difference. Grilles are more finely produced, bufferbeam detail is made as separate fittings, small details are ever finer and more realistic and our expectations have continued to rise with each new release. In fact you don't have to go that far back to see the difference – compare a Bachmann 'B1' of 1999 vintage with a Hornby 'B1' of 2011 vintage and progress in manufacturing is undeniable.

Now we don't just want a detailed model, we want one with a decoder socket and space for a speaker. We want weathered versions, we want more accurate liveries and we want more variation within classes. The problem really is price – we all want fine detail, but the more we want the more it costs.

So what does this all mean? Firstly, and to be blunt, if there is another manufacturing price rise the cost of models will undoubtedly rise. Secondly, we may have to consider more directly the possibilities of compromise. Hornby has already begun this journey with its 'design clever' models which in part use modern moulding techniques to recreate the shadows made by separate parts using very subtle sleight of hand. This advance has reduced the cost of its 2-BIL, 'Duke', 'P2' and 'Hall' models greatly which is good for the consumer, but in my view without any compromise in the final feel and detail of the product.

Perhaps in the future more of the fine separately fitted components will be supplied in a detailing pack for addition after purchase, reducing the overall cost to make the model in the first place. And do we really need opening roof vents on cab roofs and full backhead detail which for the most part are unused and unseen? They look great and there is a certain appeal in knowing that buffers are sprung and roofs vents open, but do they really add to the experience?

These issues are going to become more important if ready-to-run models are to remain affordable for the majority of modellers. Simply put, if we want to retain the stunning level of separately fitted details on off-the-shelf rolling stock, we are going to have to pay for it.

So, should we be prepared to accept a slightly lesser level of detail out of the box in return for keeping prices down? What matters most to you? Please do get in touch via the usual e-mail and postal addresses and we'll run the best responses in a special Hornby Post in a future issue...

Happy modelling.

Mike Wild
Editor, Hornby Magazine

Model detail, performance and variety are at an all time high. This is Tamerig Central, part of the 'home' setup for Taunton Model Railway Group's famous Bath Green Park layout. This fabulous 4mm scale layout will feature in full in HM75. Trevor Jones.



Heljan reveals... 'O' GAUGE PLANS for 2014 and 2015



Heljan has revealed that it is planning a model of the Class 42 'Warship' for release in 2014. D815 *Druid* comes through Clapham cutting with the 11.00am Waterloo-Exeter in 1967. Brian Stephenson.



Class 25 D5275 passes Chinley with a Tunstead to Northwich ICI lime stone train on May 21 1966. Both the Class 25/2 and Class 25/3 are on the cards for 'O' gauge through Heljan. Brian Stephenson.



Completing the trilogy of new announcements is the Class 45. On May 21 1966 D86 passes Chinley South Junction with a Manchester Central to St Pancras express. Brian Stephenson.

HELJAN 'O' GAUGE RELEASES 2013-2015

MODEL	RELEASE DATE
Class 52	September 2013
Class 40	November 2013
OBA	Fourth quarter 2013
VAA	Fourth quarter 2013
B class tank	Fourth quarter 2013
AC Cars railbus	January 2014
BR Mk I BG	First quarter 2014
BR Mk I GUV	First quarter 2014
Class 42	Fourth quarter 2014
Class 25	Second quarter 2015
Class 45	Fourth quarter 2015



THREE NEW locomotives have been announced by Heljan to extend its 'O' gauge range of diesel models all the way into 2015.

Newly announced during June are the Class 25, Class 42 'Warship' and Class 45. The three new locomotives are being produced in association with Howes of Oxford and Tower Models of Blackpool and will only go ahead if enough orders are received.

The addition of the Class 25, 42 and 45 brings the total number of planned 'O' gauge ready-to-run locomotives for the manufacturer to seven with the Class 40, Class 52, Class 60 and AC Cars railbus all in varying stages of production.

The Class 25 is planned for the second quarter of 2015 as the Class 25/2 with gangway doors and Class 25/3 with equal height cab windows. The 25/2 is expected to be available in BR green with small yellow warning panel and BR blue with full yellow ends. Tower Models has also indicated it will commission a limited edition in BR green without yellow warning panels. The 25/3 meanwhile will be released in BR two-tone green and BR blue with full yellow ends.

Creating a highly appropriate follow up to its 'O' gauge models of the Class 35 'Hymek' and Class 52 'Western' is the Class

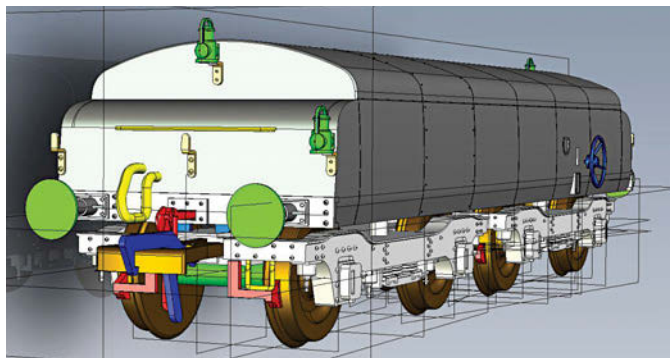
42 'Warship' diesel-hydraulic. It is expected to be released in the fourth quarter of 2014 in BR maroon with small yellow warning panels, BR green with small yellow warning panels and BR blue with full yellow ends.

Completing the line-up is the Class 45 with split headcode boxes, which is scheduled for release towards the end of 2015. It will be released in BR green with small yellow warning panels and BR blue with full yellow ends as mainstream models while Tower Models has planned a limited edition of 100 models in BR green without yellow warning panels.

The specification for the Class 25, 42 and 45 will reflect that of previous 'O' gauge Heljan models including twin motors, directional lights and a DCC compatible chassis. Final prices have yet to be advised, but Tower Models is inviting serious expressions of interest by either calling 01253 623797 or visiting www.tower-models.com.

Heljan's new 'O' gauge Class 52 'Western' diesel-hydraulic is on target for release in September this year and will be closely followed in November by the Class 40. In January 2014 Heljan is aiming to release its 'O' gauge AC Cars railbus while its new 'O' gauge VAA, OBA and B class tanker are all expected to reach the shops in the fourth quarter of this year.

Diesel brake tender project accelerates



This was the latest CAD/CAM drawing for the diesel brake tender as *Hornby Magazine* closed for press. Further revisions are underway to improve the model before production commences.

Hornby Magazine's 'OO' gauge diesel brake tender project made rapid strides forward in June with several revisions to the CAD/CAM drawings bringing the model tantalisingly close to the commencement of tooling work.

Announced in November (HM66) the model is planned for release before end of 2013.

Hornby Magazine Editor Mike Wild says: "The brake tender is now making rapid strides forward and we are hoping that tooling work will start during July. It has been a slow project largely due to

the limited number of drawings available and having no real vehicle to take measurements from.

"We are committed to making this the most detailed and accurate model of a diesel brake tender that we can and we have the full support of Dapol behind the project."

Hornby Magazine is not yet taking orders for the diesel brake tender, but full details will be publishing in the magazine and at www.hornbymagazine.com in the near future.

IN BRIEF

■ The Doncaster built version of Dapol's 'N' gauge Class 56 are due to be released progressively through July, August and September. First to arrive is 56056 in Construction livery (Cat No. 2D-004-008) followed by 56070 in BR blue (2D-004-006), 56094 in Colas Rail freight livery (2D-004-009), 56089 in EW&S livery (2D-004-005) and finally 56090 in BR large logo blue (2D-004-007). Visit www.dapol.co.uk for more information.

■ The first versions of Dapol's all new 'N' gauge 'Western' hydraulic are due to arrive during July. The initial release will be D1005 Western Venturer in BR blue

(Cat No. 2D-003-000) and D1029 Western Legionnaire in BR maroon (2D-003-001) during July. D1038 Western Sovereign in BR green (2D-003-002) and D1056 Western Sultan (2D-003-003) are both expected to be released during August. Visit www.dapol.co.uk for more information.

■ Dart Castings now supplies the Shire Scenes range of etched brass 2mm and 4mm scale kits online, via mail order and at exhibitions. Amongst the 40 plus items in the Shire Scenes range are a selection of etched brass platform barrows, telephone boxes and horse drawn vehicles. Visit www.dartcastings.com.

COMPETITION WINNERS

The winner of *Hornby Magazine*'s competition to win a Bachmann 'OO' gauge Class 70 (HM72) is Jean Beer from Bristol, and the winner of the competition to win a Bachmann 'N' gauge Class 70 (HM72) is Laurence Matthias from Kent.

Hornby steps up to sponsor NRM 'GREAT GATHERING'



The NRM is making final preparations for the 'Great Gathering' which will reunite all six surviving Gresley 'A4s'. In June *Dwight D Eisenhower*, *Dominion of Canada* and *Mallard* stand side by side in the Great Hall, NRM.

AS THIS ISSUE goes on sale the National Railway Museum's *Mallard* 75 events will be open to the public and Hornby has been announced as the headline sponsor for the celebration.

The 'Great Gathering' to mark the 75th anniversary of Gresley 'A4' 4468 *Mallard* setting the world speed record for a steam locomotive of 126mph on July 3 1938 is bringing together all six surviving Gresley 'A4s' from across the world. 60008 *Dwight D Eisenhower* and 60010 *Dominion of Canada* have been repatriated for a two-year period for the celebrations and for

the first event from July 3-17 they will be joined around the NRM's turntable in the Great Hall by main line registered 60007 *Sir Nigel Gresley*, 60009 *Union of South Africa* and 4464 *Bittern*.

Hornby Executive Chairman Roger Canham said: "With our layouts and locomotives in miniature we already fulfil the dreams of model railway lovers, now with this sponsorship we are giving our support to an event which will fulfil the dreams of railway fans across the globe."

The NRM has a series of special events taking place throughout the year. The first 'Great Gathering' from July 3-17 sees the six 'A4s'

lined up around the turntable while an 'Autumn Great Gathering' offers a second opportunity to see the spectacle between October 26 and November 8. The NRM's annual 'Locos in a different light' competition will see students illuminate the six 'A4s' with dramatic effects while the curtain falls at the 'Great Goodbye' at the NRM's outpost at Shildon, Locomotion, from February 15-23 2014.

● For full details of the events to mark the 75th anniversary of *Mallard*'s record breaking run visit www.nrm.org.uk/mallard75

HORNBY

magazine

GET MORE ONLINE!

Hornby Magazine's online presence is growing and you can now get more content than ever before, behind the scenes stories and much more at:

Website: www.hornbymagazine.com Facebook: www.facebook.com/hornbymagazine Youtube: www.youtube.com/hornbymag

'Dukedog' scheduled for November release



Bachmann's eagerly anticipated 'OO' gauge model of the GWR 'Dukedog' 4-4-0 is due to hit the shops in November.

Announced in the 2011 catalogue the 'Dukedog' is Bachmann's second double-framed GWR 4-4-0 following the footsteps of the GWR 'City' 4-4-0 which was initially produced for the National

Railway Museum as 3440 *City of Truro*.

Official designated GWR '32XX', or 'Earl', the 4-4-0s received the 'Dukedog' nickname through the combination of a 'Duke' class boiler and 'Bulldog' frames being mated together to create a new class. Despite their elderly appearance the '32XX' class

was introduced in 1936 by Collett, the last in a long breed of GWR outside framed steam locomotives.

On release the new Bachmann model is to be released in BR black with a weathered finish as 9022 (Cat No. 31-085), BR black with early crests as preserved locomotive 9017 (31-086) and GWR green as

9003 (31-087DC). All three will feature a 21-pin DCC decoder socket while the GWR green version will be DCC fitted with a Bachmann decoder. Prices are £123.55 for the pristine BR black version, £134.95 for the weathered version and £139.95 for the DCC fitted GWR model.

● Visit www.bachmann.co.uk for more information.

AUGUST ARRIVAL FOR HELJAN CLASS 16

Heljan's new 'OO' gauge model of the Pilot Scheme North British Class 16 Bo-Bo diesel locomotives is expected to arrive in the UK during August.

The Class 16 will be released with six different running numbers and several livery choices. The models are D8400 in BR green with a grey roof (Cat No. 1600), D8401 in BR green with small yellow warning panels (1601), D8404 in BR green with Stratford-style yellow warning panels

(1602), D8407 in BR green with full yellow ends (1603), D8409 in BR green with a grey roof and a gloss finish (1604) and D8405 in BR green with small yellow warning panels and a weathered finish (1605).

All versions of the Class 16 will be limited to 750 pieces each and the retail price per locomotive is £134.95. Directional lighting will be fitted as standard together with a 21-pin DCC decoder socket.



DRS courier coach for 'N'

Next to arrive in Bachmann's new 'N' gauge Mk 2a carriage range is this Direct Rail Services Compass liveried Brake Second Open, 9419. Finished in the smart blue colour scheme of the open access freight operator it correctly features the gangways removed from the carriage ends and also has the same standard of interior and exterior detail as previous BR blue and grey releases using the new toolings (HM72 and HM73). It is priced at £20.95 (Cat No. 374-681).

LT 'PANNIER' FOR 'N'

■ New in for 'N' gauge is a London Transport liveried model of Dapol's highly regarded GWR '57XX' 0-6-0PT. Released during June the 0-6-0PT is finished in London Transport maroon livery as L94 (Cat No. 2S-007-000) and is available now from Dapol stockists.



Hornby reveals...

'P2'

PRE-PRODUCTION SAMPLE

HORNBY has revealed the first pre-production sample of its new model of the Gresley 'P2' 2-8-2 offering a glimpse of this eagerly anticipated new 'OO' gauge steam locomotive.

The 'P2' is in the early stages of production and is expected to be released in the fourth quarter of this year. It will be released in both the main and RailRoad ranges and is one of Hornby's items to use its new 'design clever' strategy. On release the 'P2' will be

released as 2001 Cock 'O the North in LNER lined apple green and it will feature locomotive drive, an 8-pin DCC decoder socket mounted in the tender and a fully detailed body. The price for the standard model is £122.99 (R3207) and the RailRoad version

will cost £82.99 (R3171).

Hornby is also progressing with its Sentinel diesel shunter. This is now at an advanced pre-production stage with the latest complete sample being shown at the Perth and District Model Railway Exhibition at the end of



Hornby's all new model of the GWR 'Star' 4-6-0 is the next model to be released by the manufacturer after Duke of Gloucester. Arrival is expected during August.



WIN! One of **FIVE** Hornby steam locomotives!

Hornby Magazine has brought together an impressive collection of 'OO' gauge steam locomotives worth over £500 in total, and you could win one of them by entering our latest competition. Five prizes are available in our latest prize draw...





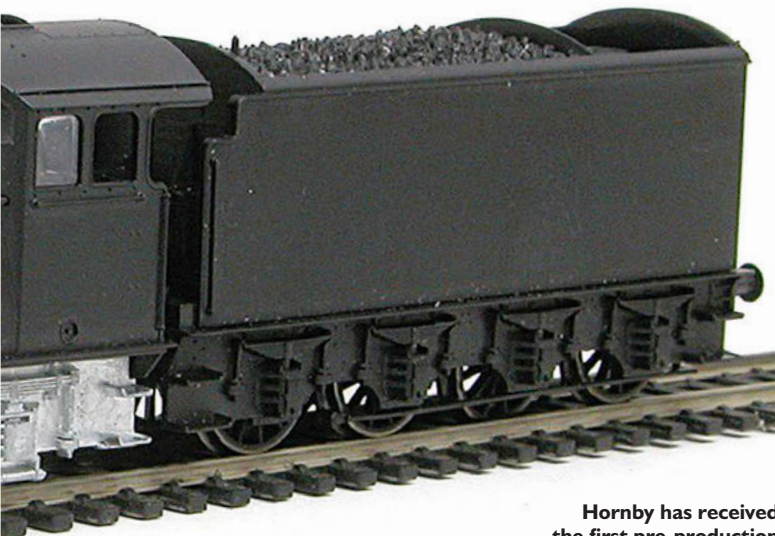
The Hornby Sentinel diesel shunter is making rapid progress towards release. This is the latest pre-production sample for the DCC ready four-wheel shunter.

AND MORE!

June. It is due to be released in September priced at £55.99 (Cat Nos. R3178/R3179/R3180).

Also displayed was the final pre-production decorated sample of the GWR 'Star' 4-6-0. This impressive locomotive is due to be released in August with

two versions being released to retailers (4018 *The Knight of the Grand Cross* and 4061 *Glastonbury Abbey*) with one limited edition of 4003 *Lode Star* being produced exclusively for STEAM. The price for the 'Star' is £134.99.



Hornby has received the first pre-production sample of its new model of the Gresley 'P2' 2-8-2. The model is due to be released in the fourth quarter of 2013.

HORNBY SHOWS DECORATED LMS FOUR-WHEEL CCT SAMPLE

Hornby has received the first decorated sample of its new 'OO' gauge LMS CCT four-wheel van. Finished in LMS brown the model is one of two versions planned for release in 2013 using the new tooling with the second version expected to be finished in BR blue.

● Visit www.hornby.com for more information.



MODELZONE GOES INTO ADMINISTRATION

High street model retailer Modelzone went into administration at the end of June putting its future in an uncertain position.

The company, which includes the Signalbox of Rochester, consists of more than 40 high street shops with the latest to open being a new store in London's New Oxford Street in June (HM73). Modelzone made substantial losses during 2012 and the final blow is reported as being quarterly rent payments which pushed the company into administration.

Modelzone was a prolific limited edition commissioner in both 'OO' and 'N' gauge including an expanding series of Railway Technical Centre vehicles.

The retailer's latest

announcements were brand new toolings for the BR Mk 1 CCT four-wheel parcel van and BR Mk 1 Brake Stowage TPO van for 'OO' gauge with Bachmann (HM73).

Bachmann Public Relations Manager Dennis Lovett said: "Bachmann has confirmed that the limited edition models commissioned by Modelzone will still be manufactured, but in the current circumstances we are unable to comment on how they will be distributed."

Administrators Deloitte are hopeful that Modelzone will find a buyer to secure its future.

The company's stores will remain open, but the websites for both Modelzone and the Signalbox have been shut down.

THE PRIZES ARE

- 1st** Hornby Thompson LNER 'B1' 4-6-0 1040 *Roedeer* in LNER lined black
- 2nd** Hornby Maunsell SR 'King Arthur' 4-6-0 30450 *Sir Kay* in BR lined green
- 3rd** Hornby Churchward GWR '28XX' 2-8-0 2818 in GWR green
- 4th** Hornby Stanier LMS 'Princess Royal' 4-6-2 46207 *Princess Arthur of Connaught* in BR lined maroon
- 5th** Hornby Peppercorn 'A1' 4-6-2 60163 *Tornado* in British Railway lined apple green

● To enter the competition all you have to do is answer the question below and send your answer to *Hornby Magazine* by August 25 2013.

WIN! ONE OF FIVE HORNBY STEAM LOCOMOTIVES

All you have to do to stand a chance of winning is to answer the following question:

Where was the GWR's main locomotive works?

- a) Swindon** **b) London** **c) Birmingham**

HOW TO ENTER

Send your answer in by visiting www.hornbymagazine.com and fill in the entry form. Or send your answer, subscriber number (if applicable), and full contact details on a postcard to 'Hornby Magazine Hornby Prize Draw', Key Publishing, PO Box 100, Stamford, Lincolnshire PE9 1XQ. Alternatively, send the same details by e-mail to competitions@keypublishing.com with 'Hornby Magazine Hornby Prize Draw' in the subject field.

RULES: Strictly no multiple entries. The winners will be the first five correct answers drawn at random immediately after the closing date. There is no cash alternative, and no correspondence can be entered into. The competition is not open to employees of Key Publishing or Hornby Magazine. The Marketing Manager's decision is final. The winner will be notified by post, and will be published in HM76. The closing date for entries is August 25 2013 and winners will be notified by August 30 2013 – usually within a week. No purchase necessary.

By entering this competition you agree to Key Publishing Ltd and/or associated company using your details to advise you of future offers and promotions. Your details will NOT be passed on to third parties.



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UO Single Track O Scale **£57.95**
UF Single Track with Feedback **£37.95**
UD Twin Track Unit **£52.95**
UDS Twin Track with Inertia **£67.95**
UDF Twin Track with Feedback **£57.95**
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T12 Output 1 x 22v DC 5A **£39.95**

CASED TRANSFORMERS
M1 Output 2 x 18v AC 1A **£47.95**
M1DC Output 2 x 12v DC 1A **£52.95**
M2 Output 1 x 18v AC 2.5A **£52.95**
M2DC Output 1 x 14v DC 2.5A **£52.95**
M3 Output 1 x 24v AC 1.25A **£52.95**
M4 Output 2 x 12v AC 1.25A **£52.95**
M5 Output 1 x 12v AC 5A **£84.95**
M6 Output 1 x 24v AC 2.5A **£84.95**
M8 Output 1 x 20v AC 5A **£84.95**
M9 Output 1 x 10v DC 5A **£84.95**
M10 Output 1 x 20v DC 2.5A **£84.95**
M12 Output 1 x 22v DC 5A **£99.95**

WALL MOUNTED TRANSFORMERS
WM1 Output 1 x 18v AC 1.1A **£18.95**
WM2 Output 1 x 9v 0.6A for Cobalt Motors **£18.95**

POINT CONTROL



POINT CONTROL SYSTEM
PCU1 Cased Point Control Unit **£114.95**
PCU2 Slave Point Control Unit **£52.95**

CAPACITOR DISCHARGE UNIT
CDU Capacitor Discharge Unit **£13.95**

POINT MOTORS
PM-1 SEEP Point Motor with Switch **£5.25**
PM-2 SEEP Point Motor **£4.95**
PM-4 SEEP Latching Point Motor w/Switch **£6.25**

SWITCHES
GM510 Toggle Switch Non Latching (25) **£44.95**
BPGM513 Push to Make Switch Black (25) **£9.50**
BPGM514 Push to Make Switch Blue (25) **£9.50**
BPGM515 Push to Make Switch Green (25) **£9.50**
BPGM516 Push to Make Switch Red (25) **£9.50**
BPGM517 Push to Make Switch White (25) **£9.50**
BPGM518 Push to Make Switch Yellow (25) **£9.50**

BULK PACK SWITCHES
BPGM510 Toggle Switch Non Latching (25) **£44.95**
BPGM513 Push to Make Switch Black (25) **£9.50**
BPGM514 Push to Make Switch Blue (25) **£9.50**
BPGM515 Push to Make Switch Green (25) **£9.50**
BPGM516 Push to Make Switch Red (25) **£9.50**
BPGM517 Push to Make Switch White (25) **£9.50**
BPGM518 Push to Make Switch Yellow (25) **£9.50**

MODULES/UNCOUPLERS
EM1 N Gauge Uncoupler **£8.95**
EM2 EM1 Frets (20) **£4.95**
SS1 Super Shuttle Unit **£32.95**
SS1LGB Super Shuttle Unit G Scale **£44.95**
SS2 Station Stop Unit **£37.95**
TLU OO/HO Uncoupler **£10.95**

TRACK CLEANING



HF-1 High Frequency Track Cleaner **£38.95**
HF-2 High Frequency Double Track Cleaner **£48.95**
GM26 Standard Track Cleaning Rubber **£2.95**
GM27 Value Track Cleaning Rubber **£5.50**
GM37 OO/HO Track Cleaning Pads (3) **£5.50**
GM39 N Track Cleaning Pads (3) **£5.50**

TRACK



BUFFER STOPS & ACCESSORIES
GM54 OO Buffer Stop **£1.75
BPGM54 OO Buffer Stop (Pack of 5) **£8.25
GM55 OO Buffer Stop & Light **£6.95**
GM56 OO Buffer Light Only (2) **£8.95**
GM57 N Buffer Stop & Light **£8.95**
GM58 N Buffer Light Only (2) **£8.95**

BOXES OF FLEXIBLE TRACK
GM90 OO Black Sleeper NS FlexiTrack(100) **£299**
GM91 OO Black Sleeper Sfl FlexiTrack(100) **£299**
GM92 N Black Sleeper NS FlexiTrack(100) **£199**
GM93 OO Black Sleeper NS FlexiTrack(24) **£79.95**
GM94 OO Brown Sleeper NS FlexiTrack(24) **£79.95**
GM95 OO Black Sleeper Sfl FlexiTrack(24) **£47.95**
GM96 N Black Sleeper NS FlexiTrack(24) **£54.95**
GM97 OO Brown Sleeper NS FlexiTrack(100) **£299**

TRACK ACCESSORIES
GM18 N Gauge Rail Joiners (24) **£2.35**
GM19 OO Gauge Rail Joiners (24) **£2.45**
GM45 OO Re-Railer **£5.35**
GM46 N Re-Railer **£2.95**
GM66 Track Pins (Hornby Style) **£2.50**
GM67 Extra Long Track Pins **£2.50**

Track Voltage Tester
OO/HO/N Gauge
DC or DCC
Great Value

GM52 Track Voltage Tester **£4.95**

GREY BALLAST & UNDERLAY

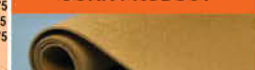


GM114 OO Granite Ballast (500g) **£3.45**
GM117 OO Granite Ballast (200g) **£2.25**
GM200 OO Ballasted Underlay (5m) **£22.95**
GM204 OO Point & Crossing Ballasting Kit **£7.95**
GM115 N Granite Ballast (500g) **£3.45**
GM118 N Granite Ballast (200g) **£2.25**
GM201 N Ballasted Underlay (5m) **£22.95**
GM205 N Point & Crossing Ballasting Kit **£7.95**

BROWN BALLAST & UNDERLAY

GM111 OO Brown Ballast (500g) **£3.45**
GM210 OO Ballasted Brown Underlay (5m) **£22.95**
GM114 OO Brown Point & Crossing Kit **£7.95**
GM113 N Brown Ballast (500g) **£3.45**
GM211 N Ballasted Brown Underlay (5m) **£22.95**
GM215 N Brown Point & Crossing Kit **£7.95**

CORK PRODUCT



GM130 Cork Sheet 1/16" (3 x 2) **£6.25**
GM131 Cork Sheet 1/8" (3 x 2) **£10.25**

STATIC GRASS



GM196 Static Grass Starter Kit **£9.95**
GM193 Puffer Bottle Static Grass Applicator **£4.65**
GM170 Summer Grass Flock **£3.05**
GM171 Summer Grass Flock **£3.05**
GM172 Moorland Grass Flock **£3.05**
GM173 Meadow Grass Flock **£3.05**

GM174 Woodland Floor Grass Flock **£3.25

SCENIC STARTER PACK



GM194 Scenic Starter Kit **£26.95**

MOD-ROC & PLASTER

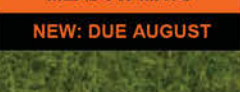
GM100 Mod-Roc (2.75m) **£4.45**
GM119 Fine Modelling Plaster (1kg) **£5.75**

GRASS MATS



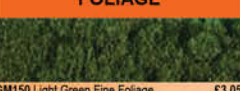
GM20 Spring Grass Mat (100 x 75cm) **£7.95**
GM21 Summer Grass Mat (100 x 75cm) **£7.95**
GM22 Autumn Grass Mat (100 x 75cm) **£7.95**
GM23 Grass Mat (100 x 75cm) **£5.95**
GM38 Spring Grass Mat (240 x 120cm) **£32.95**

MEADOW MATS



NEW: DUE AUGUST
GM140 Meadow Mat - Spring 6mm **£8.75
GM141 Meadow Mat - Meadow 6mm **£8.75
GM142 Meadow Mat - Spring 12mm **£11.75
GM143 Meadow Mat - Meadow 12mm **£11.75
GM147 Meadow Mat - Beige 6mm **£8.75
GM148 Meadow Mat - Beige 12mm **£11.75

FOLIAGE



GM150 Light Green Fine Foliage **£3.05**
GM151 Dark Green Fine Foliage **£3.05**
GM152 Mid Green Fine Foliage **£3.05**
GM153 Light Brown Fine Foliage **£3.05**
GM154 Brown Fine Foliage **£3.05**

TREES



OO/HO SCALE BULK VALUE PACKS
GM120 Deciduous Trees (25) **£19.95**
GM121 Mixed Trees (25) **£19.95**
GM122 Fir Trees (25) **£19.95**
GM123 Small Fir Trees (50) **£29.95**
GM124 Deciduous Trees (25) **£19.95**
GM125 Fir Trees (25) **£19.95**

OO/HO SCALE MEDIUM PACKS

GM128 OO/HO Spring Trees (10) **£9.95**
GM129 OO/HO Summer Trees (10) **£9.95**

OO/HO SCALE STANDARD TREES

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**

BUILD YOUR OWN TREES



SEAFOAM STARTER PACK
GM195 Seafoam Tree Kit **£20.50**

LEAVES
GM156 Light Green Leaves **£3.55**
GM157 Mid Green Leaves **£3.55**
GM158 Dark Green Leaves **£3.55**

lichen



GM164 Light Green Lichen **£4.75**
GM165 Dark Green Lichen **£4.75**
GM166 Assorted Lichen **£4.75**

ECONOMY SCATTER



GM101 Light Green Scatter **£1.80**
GM102 Mid Green Scatter **£1.80**
GM103 Dark Green Scatter **£1.80**
GM105 Spring Green Scatter **£1.80**
GM108 Red/Brown Scatter **£1.80**
GM109 Black Scatter **£1.80**
GM110 Earth Brown Scatter **£1.80**
GM112 Imitation Coal **£2.25**
GM116 Grey Tarmac Scatter **£1.80**

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GM160 Light Green Hedging **£6.75**
GM161 Dark Green Hedging **£6.75**

GRASS STRIPS & TUFTS



NEW: DUE JUNE
GM136 Spring Grass Tufts **£10.95
GM137 Summer Grass Tufts **£10.95
GM138 Flowering Grass Tufts **£11.95

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GM175 OO/HO Garden Flowers (17) **£9.25**
GM176 OO/HO Water Plants (17) **£9.25**
GM177 OO/HO Garden Plants (17) **£9.25**
GM178 OO/HO Wild Flowers (17) **£9.25**

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NEW: DUE JUNE
GM139 Flowerbeds Blue/Yellow **£11.95

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GM30 Plain Grey Stone Walling **£9.25**
GM31 Stone Walling with Buttresses **£9.25**
GM32 Grey Stone Walling with Arches **£9.25**
GM197 Stone Tunnel Wall **£7.75**
GM198 Single Tunnel Mouth **£14.95**
GM199 Double Tunnel Mouth **£19.95**

BACKSCENES



LARGE SIZE - 2744 x 304mm (108" x 12")
GM701 Valley Backscene **£7.95**
GM702 Countryside Backscene **£7.95**
GM703 Open Field Backscene **£7.95**
GM704 Valley Backscene **£7.95**
GM705 Cloudy Sky Backscene **£7.95**
GM706 Industrial Backscene **£7.95**
GM707 Housebacks Backscene **£7.95**
GM708 Town Backscene **£7.95**

SMALL SIZE - 1372 x 152mm (54" x 6")

GM751 Valley Backscene **£4.95**
GM752 Countryside Backscene **£4.95**
GM753 Open Field Backscene **£4.95**
GM754 Valley Backscene **£4.95**
GM755 Cloudy Sky Backscene **£4.95**
GM756 Industrial Backscene **£4.95**
GM757 Housebacks Backscene **£4.95**
GM758 Town Backscene **£4.95**

AD-61 View Glue (for Backscenes) **£6.95**

ROAD & ROADWAY

NEW: DUE SEPTEMBER



OO/HO SCENIC ROADWAY SYSTEM

GM370 80mm Wide Tarmac Road (1m) **£6.95
GM371 50mm Wide Universal Curve (2) **£6.95
GM376 58mm Wide Universal Curve (2) **£6.95
GM380 Traffic Signs **£TBA
GM381 Roadside Crash Barriers **£TBA

N SCENIC ROADWAY SYSTEM

GM44 40mm Wide Tarmac Road (1m) **£6.95**
GM391 40mm Wide Universal Curve (2) **£6.95
GM395 Traffic Signs **£TBA
GM396 Roadside Crash Barriers **£TBA

LOCO WHEEL CLEANER



OO/HO Gauge Loco Wheel Cleaner with Soft Cleaning Action. Will not damage traction tyres. DCC Friendly.
GM50 OO/HO Gauge Loco Wheel Cleaner **£34.95**
GM51 Spare Cleaning Pads for GM50 **£17.95**
N Gauge Loco Wheel Cleaner with Soft Cleaning Action. Will not damage traction tyres. DCC Friendly.
GM47 N Gauge Loco Wheel Cleaner **£34.95**
GM49 Spare Cleaning Pads for GM47 **£17.95**

ACCESSORIES



WIRE
GM111 10m Wire **£2.15**
Select from Black, Blue, Brown, Green, Grey, Orange, Pink, Red, White or Yellow
WIRE 100m Reel **£7.95**
Select from Black, Blue, Brown, Green, Grey, Orange, Pink, Red, White or Yellow

ELECTRICAL ACCESSORIES

GM12 Connecting Leads Ring Pin (Pair) **£4.45**
GM13 Connecting Leads Pin Joiner (Pair) **£4.45**
GM14 Pin Connectors Hornby Style (6) **£1.95**
GM15 Ring Terminals (6) **£1.95**
GM16 Connecting Leads Gaugemaster (6) **£4.35**
GM17 N Gauge Wired Rail Joiners (Pair) **£3.25**
GM28 Crocodile Clips Red/Black **£1.60**
GM29 Knob for Rotary Switch **£2.75**
GM74 Diodes 1A (20) **£2.30**
GM77 Terminal Block 12 Way Poly **£1.95**
GM79 2.1mm Socket for WM1 **£2.20**
GM99 5mm SAE (5) **£2.55**

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GM501 DPDT Slide

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GM38 3v Bulbs (10) & 5 Capacitors £5.75

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GM69 Yellow (5) £3.95
GM70 Red (5) £3.95
GM71 Clear (5) £3.75
GM72 Green (5) £3.95
GM73 Orange (5) £3.95
BPGM69 Yellow (100) £48.95
BPGM70 Red (100) £48.95
BPGM71 Clear (100) £38.95
BPGM72 Green (100) £48.95
BPGM73 Orange (100) £48.95

LIGHT EMITTING DIODES
GM80 3mm Green (5) £2.05
GM81 3mm Red (5) £2.05
GM82 3mm Yellow (5) £2.05
GM83 5mm Green (5) £1.80
GM84 5mm Red (5) £1.80
GM85 5mm Yellow (5) £1.80
GM76 Resistors 1000 ohm (10) £1.55

SOLDERING



SOLDERING IRONS & TIPS
GM680 15W 230v Soldering Iron £13.95
GM681 25w 230v Soldering Iron £15.95
GM682 40w 230v Soldering Iron £16.95
GM685 15W No.6 Tip £2.95
GM686 15W No.8 Tip £2.95
GM687 25W No.6 Tip £2.95
GM688 25W No.7 Tip £2.95
GM689 25W No.8 Tip £2.95
GM690 40W No.6 Tip £2.95
GM691 40W No.7 Tip £2.95
GM692 40W No.8 Tip £2.95

SOLDER & FLUXES
GM01 70 Degree Solder (200g) £3.95
GM02 180 Degree Solder (200g) £3.75
GM03 White Metal Flux £5.50
GM04 Brass Flux £5.50
GM05 Non Acid Safety Flux £5.95
GM06 145 Degree Solder £4.65

N SCALE SIGNS

TS0074 LMS Travel Posters £1.95
TS0075 LNER Travel Posters £1.95
TS0076 Southern Travel Posters £1.95
TS0077 BR Travel Posters £1.95
TS0078 BR Modern Image Travel Posters £1.95
TS0079 Trackside Notices £1.95
TS0081 Enamel Advert Signs 1 £1.95
TS0082 Enamel Advert Signs 2 £1.95
TS0083 Enamel Advert Signs 3 £1.95
TS0084 Enamel Advert Signs 4 £1.95
TS00131 French Travel Posters One £1.95
TS00132 French Travel Posters Pack 2 £1.95
TS00133 German Travel Posters Pack 1 £1.95
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TS00137 Ldn Transport Posters Pre-30 £1.95
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TSN21 Street Signs £3.95
TSN22 BR Modern Image Station Signs £3.75
TSN23 Cornish Riviera Boards 1 £5.50
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TSN25 Early Station Signs £5.95
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TSN96 Modern Travel Posters £1.95
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TSN99 BR (LM) Station Signs £1.95
TSN99E BR (NE) Station Signs £1.95
TSN99S BR (SR) Station Signs £1.95
TSN99SCOT BR (Scottish) Station Signs £1.95
TSN99W BR (WR) Station Signs £1.95



TOOLS



GM690 A2 Cutting Mat £16.95
GM691 A3 Cutting Mat £10.95
GM692 A4 Cutting Mat £5.50
GM693 A5 Cutting Mat £3.25
GM694 Round Nose Pliers £6.75
GM695 Flat Nose Pliers £6.75
GM696 Side Cutters £6.75
GM697 Half Round Cutters £6.75
GM698 Bent Nose Pliers £6.75
GM699 Stainless Steel Tweezers £7.65
GM700 Double Ended Pin Vice £4.95
GM611 Saw Set 1 with Handle £9.95
GM613 Trimmable Knife £3.25
GM614 Stainless Steel Scalpel & Blades £5.50
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GM624 Swivel Top Pin Vice £4.25
GM625 Curve Tweezer Reverse Action £4.25
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GM629 Cutting Discs (10) £4.75
GM630 Screw Top Mandrels (3) £4.15
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GM633 Glass Fibre Pencil 4mm £4.75
GM634 4mm Glass Fibre Refills (10) £6.50
GM635 2mm Glass Fibre Pencil £8.75
GM636 2mm Glass Fibre Refills (5) £5.50
GM638 Cutting Broaches 0.6-2.0mm £15.50
GM640 Archimedian Drill £5.65
GM641 HSS Jbbs Drills 0.5mm (5) £3.95
GM642 HSS Jbbs Drills 0.8mm (5) £3.95
GM643 HSS Jbbs Drills 1.0mm (5) £3.95
GM644 HSS Jbbs Drills 1.2mm (5) £3.95
GM645 HSS Jbbs Drills 1.5mm (5) £3.95
GM646 HSS Jbbs Drills 1.8mm (5) £3.95
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GM648 Microbox Drills 0.3-1.6 £9.95
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GM656 Spare Blades for GM616 £2.75
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GM667 Superfine Oil with Teflon Particles £4.95
GM668 Electrical Contact Oil Pen £8.95
GM669 Pin Pusher with Depth Stop £9.95
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KD07 Four House Unit £6.45
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KD09 Station Buildings £5.15
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KD14 Telegraph Poles £2.85
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KD34 Stable Block £3.65
KD35 Cow Shed £3.35
KD36 Barn £5.65
KD37 Farm House £7.15
KD38 Steel Footbridge £7.15
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KD40 Modern Fire Station £6.95
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O SCALE SIGNS

TSO25 Early Station Signs £2.50
TSO59 Cattle Prints £2.50
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TSO97 Enamel Advert Signs £2.50
TSO98 Enamel Advert Signs £2.50
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TSO99E BR (ER) Station Signs £2.95
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OO Scale



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A new and much requested model, the Dapol class 73 benefits from being laser scanned for accuracy, and having seen through etched main bodyside and roof grills. As a first for UK OO gauge outline, Dapol are designing it with PLUX22 decoder interface to make full use of the lighting and sound configurations available. Sprung buffers, NEM coupler pockets and a host of other details should make this model a 'must have' for the southern modeller. We are delighted to have secured exclusive rights to the Pullman livery of this popular electro-diesel. This exclusive edition will initially be 200pcs of each. We strongly recommend placing pre-orders to avoid disappointment. Delivery is expected in June 2013.

£124.95 each

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TRANSFESA Blue Train
Ford Channel Tunnel Express
Container Wagon Supplied with
Hornby & European Couplings



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£22.95

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82G

Bristol, Templecombe Road Shed

One of the most spectacular layouts ever built, this BR era engine shed in 'O' gauge has recently been extended to brilliant effect, as **JOHN EDWARDS** explains. *Photography, Mike Wild.*

82G IS NEW to the pages of *Hornby Magazine*, but we are sure that it's not new to many of the magazine's readers who may have seen it on its various travels over the years.

The layout was started by 'O' gauge modellers Peter Silvester, John Edwards and Nigel Smith, who saw themselves as locomotive builders first and foremost and after 10 years on the road with their 'Loco Clinic' decided that a small backdrop or diorama was needed. The idea was to better present our ever increasing locomotive fleet to exhibition visitors but this concept soon developed into a fully-fledged engine shed layout which would be 25ft long and need six operators.

Many pleasant evenings were spent poring over books in a search for a trackplan to suit our needs. Eventually we stumbled across plans and photographs of the former Southern Railway depot at Bournemouth. It all seemed



to work quite nicely and looked like it would fit our desires down to a tee. We knew that with some adaptation of the Bournemouth plans and a good degree of 'Westernisation' (our interests tended to Swindon built locomotives), we could end up with what we wanted. Plans were drawn up, keeping the general track layout of Bournemouth shed very much intact, but removing the main running lines and station, which would have existed where you now stand to view the layout. The entrance and exit road to the shed yard was moved to the rear of the layout, running into a tunnel behind the lifting shed and tall works building, and so the original 82G layout track plan was born!

Work proceeded on the layout, with the main effort coming from the core team of John, Nigel and Peter. Thankfully, Keith Blake permanently joined the team in 2004 and his contribution to the construction of the original layout and the extension which followed, has been invaluable. Over a ten-year period 82G has been exhibited at many shows across the

country in its non-extended form and we hope it has given pleasure to all those who have witnessed it on its various travels.

Coming up with the name

Over the years of exhibiting the layout, the question we are asked most of all is where 82G is set. Three of the four of us are predominantly ex-Great Western Railway (GWR) modellers but we have an ever increasing stud from the former Southern Railway (SR) and the old London Midland & Scottish Railway (LMS). The time period modelled is mainly that from nationalisation in 1948 to the mid 1950s. We needed a location that could realistically accommodate locomotives of the former GWR, SR and LMS railways and the area centred on Bristol seemed to perfectly fit the bill. We spent many hours trying to come up with a fictitious name for the shed, none of which pleased us very much. Having failed on this front, why give it a name at all? Why not simply call it by its BR shedcode? We consulted old Ian Allan ABCs »

STATISTICS

Owner:	82G Model Railway Group
Scale:	'O'
Length:	40ft
Width:	3ft 6in
Track:	32mm gauge
Control:	DCC, Digitrax wireless
Period:	1948-1956 primarily



Outside the main shed a Drummond 'M7' 0-4-4T simmers alongside a 'USA' 0-6-0T.



BUILDING TEMPLECOMBE ROAD, NO. 3 SIGNALBOX

To complete the extension to 82G a signalbox was the final signature item. This model has been produced by modifying a Lasercraft Devon kit to suit the location. It is named Templecombe Road, No. 3 signalbox and gives the extended layout the suffix to its original 82G name.



Under development.



Painted and ready after testing the interior lights.



In position.

from the early 1950s and the next unused shed code was chosen from the Bristol Division of the Western Region, so 82G was born!

One or two very astute visitors to exhibitions have told us that 82G actually did exist and they are perfectly correct in this statement. The early to mid-1960s was quite a confusing time in the West Country as the British Railways Board changed regional boundaries and reallocated all of the former Southern lines in the West Country to the Western Region. It was then that 82G was used by BR for the very first time and was allocated to the former Somerset & Dorset shed of Templecombe. As stated earlier, our modelling period is generally 1948 to the mid 1950s, a time when 82G did not exist in the real world, so that's the shed code and hence the 'name' we chose for the layout.

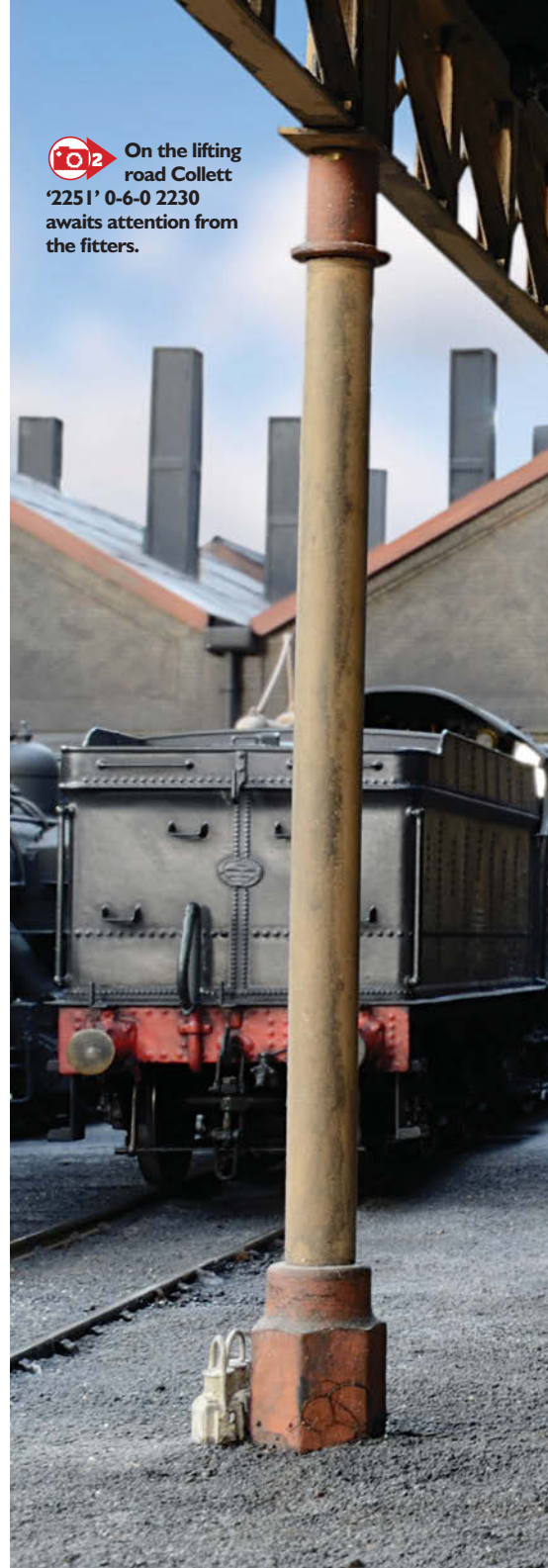
When we were nearing completion of the layout extension, Peter built the signalbox (based on Bearley in Warwickshire) and passed it to John for painting and weathering. Whilst this was being undertaken, Peter had time to think what internal fittings and other items needed making in order to complete the model. It was apparent to Peter that a signalbox name board would be required for the cabin and asked the rest of the group what name we should use. All sorts of suggestions were put forward, some of them highly amusing but not totally appropriate.

The name came about by applying a bit of logical thinking. In model form, our shed is set in the Bristol area. It is a Western Region shed, but receives regular visitors from the Southern and London Midland regions, hence the appropriate choice of location. The shed would be attached to a station so the signalbox would need to be called something like Bridgewater Road No.3 Box or Wells Road Yard Box, or other such names associated with the Bristol area. It then dawned on us that as the 82G shedcode eventually became allocated to Templecombe, why not give the signalbox the name Templecombe Road, No. 3 Box as this would provide a nice link with what the actual shedcode eventually became in real life. So, as the original 82G layout has been extended and is now touring in this form, the layout name will remain as 82G but will now carry a suffix, becoming 82G (Bristol, Templecombe Road Shed).

Extending the layout

Three years ago the four core members of our little group started discussing the possibility of an extension to the layout. The discussions explored several possibilities, including the addition of main running lines in front of the existing shed layout, forming a main line continuous run, or, as an alternative, the possible addition of a set of goods lines and yard in front of the existing shed layout. Both of these ideas had their merits, but also had serious drawbacks. The addition of a set of main running lines and a continuous run with fiddle yards behind the existing layout would have given us the opportunity to run main line trains, but would have involved the creation of a large number of baseboards and lighting rigs, which would have made loading the van, travelling to exhibitions and erecting the layout a nightmare, let alone the reverse operation at the close of an exhibition when we were all

On the lifting road Collett '2251' 0-6-0 2230 awaits attention from the fitters.



exhausted!

Furthermore, both this and the goods yard option would also have had the very negative effect of pushing the existing engine shed layout further away from the viewers. The problem was that we were running out of space on the original layout and in the cassette fiddle yard, as locomotive building continued apace and the existing entrance was proving a real bottleneck.

We eventually decided to extend the shed and complete the shed yard. The original layout was designed so that only half the length of the running shed was built, with it finishing against the end screen between the visible layout and fiddle yard. The entrance road at the rear of the lifting shed and factory building gave us only a single track entrance and exit for the layout - the bottleneck we talked about earlier. The extension has involved increasing the overall



The turntable at 82G is fully operational. A GWR '28XX' 2-8-0 is turned before moving to the coal road.

length of the layout by 60% and another three baseboards which allowed us to complete the running shed buildings to their full length, thus making the running shed a four-road, through shed building. It has also enabled us to provide many more sidings and stabling points on the three new baseboards. Several of the existing baseboards have had narrow extension pieces permanently fitted to the front, increasing the overall depth of the baseboards, enabling us to provide new trackwork passing in front of the newly extended running shed, provide a new front link between the existing layout and the new extension, and still retain the rear link.

The short tunnel behind the lifting shed and factory building has been extended onto the first of the new baseboards. On exiting the newly extended tunnel, the rear track splits into double-track, which now exits by passing »





Viewed through the extended running shed a Drummond 'M7' 0-4-4T stands next to a Maunsell 'W' 2-6-4T in the evening light.



'Large Prairie' 5150 has just had its bunker filled at the coaling stage – a busy part of the yard.



beneath an overbridge built at the end of a new viaduct. The extended end of the layout is framed by the large viaduct running front to back across the full width of the baseboards and forming a scenic break before the cassette fiddle yard begins.

As our locomotive fleet continues to increase the extended layout gives us a much larger display area and far greater operational flexibility. The cassette fiddle yard area has also been extended in order to accommodate the increased locomotive movements. The new total viewable area of the extended layout is now nearly 30ft with the overall

length, including the fiddle yard, stretching to nearly 40ft and requiring eight people to run it properly.

The extended layout had its first public outing in almost finished form at the Warley National Model Railway Exhibition in November 2012 and also made an appearance in a more finished form at the Festival of Model Railways at Alexandra Palace this March.

DCC or not DCC?

How do you control a 40ft long layout with masses of sidings, many routes across the layout and many places that locomotives would

need to stand? How many operators would it need to make it function properly and keep the public entertained? How would we adapt the wiring and control panel to accommodate the increased track plan and increased number of drivers?

We concluded that we couldn't retain the existing analogue control system. The number of section breaks would be immense, the control panel would need extending and would require miles of additional cable and many more switches. The wiring beneath the layout, which was already complicated, would become even more so, making fault finding a real needle





In the shadow of the viaduct above crews chat outside the mess rooms at 82G.



Overlooking the new extension to 82G diesel and steam traction sit side by side in the stabling lines. The four-road shed is now a through building with accommodation for up to eight locomotives under cover.



in a haystack job. This inevitably led us down the Digital Command Control route.

To give us a taster of how the layout might function under Digital Command Control, we actually gave it a try at the last couple of exhibitions we attended with the original layout by running with traditional DC control for the majority of the day, but swapping over to an *ad hoc* DCC system for an hour or so at the end of each day. At the time we only had four or five locomotives fitted with decoders but the difference that running in DCC mode made was dramatic. The sounds of steam (and diesels) seemed to draw the visitors to the layout and added a dimension that, with the benefit of hindsight, was sadly lacking.

Having undertaken a lot of research and trialling, we settled on Digitrax DCC controllers. We use the wireless system to give the operators much needed mobility in controlling the trains. The wiring is now

much simplified and the operational flexibility practically limitless. There will be typically four or five engine drivers operating at any one time and these drivers will be driving the locomotives rather than the track as you do with the traditional DC control. The drivers are directed and orchestrated by a shedmaster who directs proceedings and sets pointwork and locomotive paths.

Rekindling history

One thing we do at exhibitions is to change the scene three or four times a day. As we said earlier in this article, we are predominantly modellers of the Nationalised steam era. This generally covers the period from 1948 to 1956 and has over the last eight or nine years also extended into the post 1956 to end of steam period. More recently we have also started to build early BR diesels. We also have a small stud of locomotives



BUILDING THE EXTENSION



January 2012 - track laying.



February 2012 - the new shed takes shape.



April 2012 - the viaduct is completed.

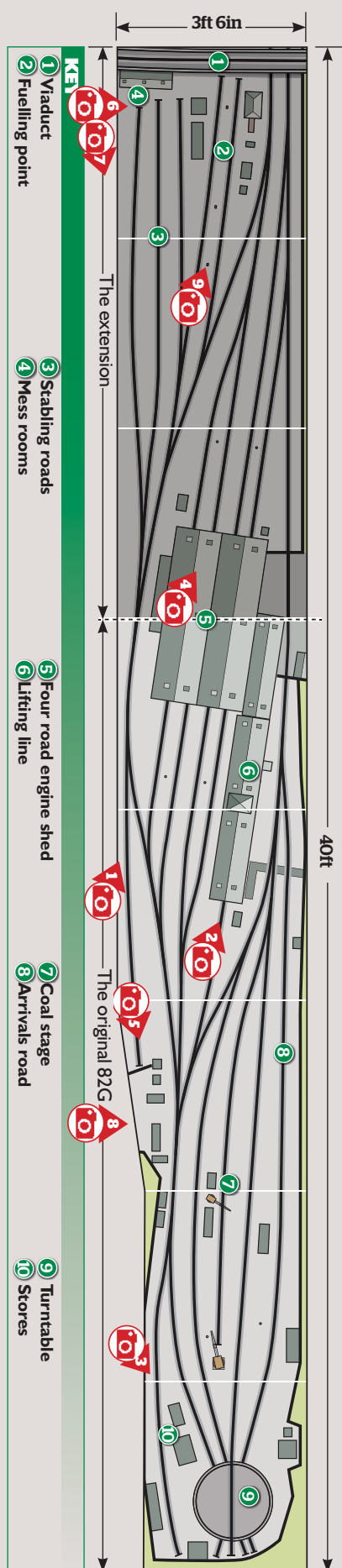


July 2012 - the extended running shed is bedded in.



October 2012 - ballasting taking place.

82G TRACK DIAGRAM (Not to scale)



from the pre-nationalisation time. These include the likes of Peter's unique GWR 4-6-2 'Pacific' *The Great Bear* and Keith's SR 'Brighton Atlantic' and 'King Arthur' all in 'Big Four' liveries.

During an exhibition, we usually start the day with the pre-nationalisation locomotives populating the layout. An hour or so later, we start to bring on some of the BR locomotives carrying pre-nationalisation liveries but British Railways branded/numbered, along with some locomotives which are carrying the early experimental BR liveries.

We then slowly take off the pre-nationalisation stock and bring on the first BR liveried locomotives. This exercise takes another hour or two.

The next move is to slowly remove the BR branded but GWR/SR/LMS liveried engines, followed thereafter by the experimentally liveried BR machines. This takes us into the true BR 'cycling ferret' logo era, which we maintain for another hour or so. The next change is to bring on the BR steam locomotives carrying the later 'lion and

wheel' emblem whilst taking off the early examples of the previous era. Eventually we are left with all of the later emblem BR steam locomotives, with a small spattering of the 'cycling ferret' locomotives which lasted in this form to near the end of steam.

After another hour or so, the final era is reached by bringing on the BR diesels and taking off most of the steam engines except for the few which lasted to near the end of steam. Finally, these last few steam engines are then removed, leaving you with just the diesels, which basically take us to the end of the exhibition day.

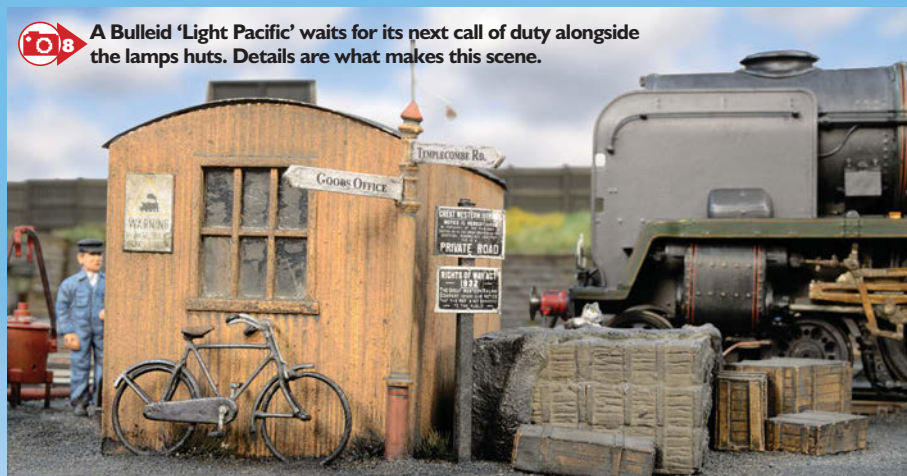
Since we have extended the layout, the changing scenes and the moving from one era to the next has become much easier to achieve. Firstly, we now have a much bigger area to work with, ensuring that areas don't get jammed up solid. Also, with the extended running shed effectively breaking the scene into two almost separate layouts, the change from pre-nationalisation to the BR steam period and from steam to diesel doesn't result in locomotives from two distinct eras running next to each other.



Future developments

The extended layout is nearly finished but there remains much to do. Top of this list is fitting working signals and control wires, adding LED route indicators to the control panel, and details including more figures, puddles of water, some more stores buildings and general clutter. Believe it or believe it not, we still haven't finished some of the last few things on the older part of the layout. This includes some point rodding and control to the signal and ground frame behind the factory building near the tunnel.

So there you have it. 82G (Bristol, Templecombe Road Shed) is now up and running. The extension and modifications have been completed in a fraction of the time it took to construct the original 82G. The reason was that the extended layout was promised to Paul Jones, the exhibition manager for Warley for the show in November 2012 (we are Warley MRC members after all), which tended to focus our minds and resulted in working parties being arranged to work on the layout most weekends, and some evenings and weekdays, over an 18-month period! We hope our efforts



have been worthwhile and apologise to our wives for not being around as often as we should have been!

There's a whole host of people who help operate 82G and we couldn't exhibit it without their dedication and time – space precludes naming them all, but as always, exhibiting layouts is a team effort, and very enjoyable too. [View more](#)

● 82G (Bristol, Templecombe Road shed) will appear at **STEAM, Swindon** on September 7/8, **Guildex** in Telford on September 14/15 and **Hornby Magazine's** inaugural Great Electric Train Show at Gaydon on October 12/13.



The rumble of Maybach engines fills the air at 82G's fuelling point with a 'Warship' and 'Western' sitting side by side.



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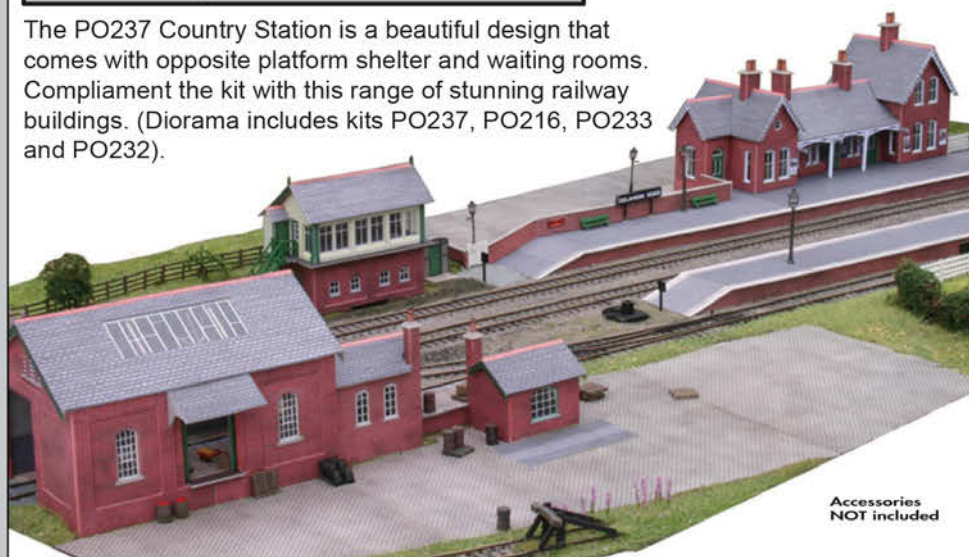
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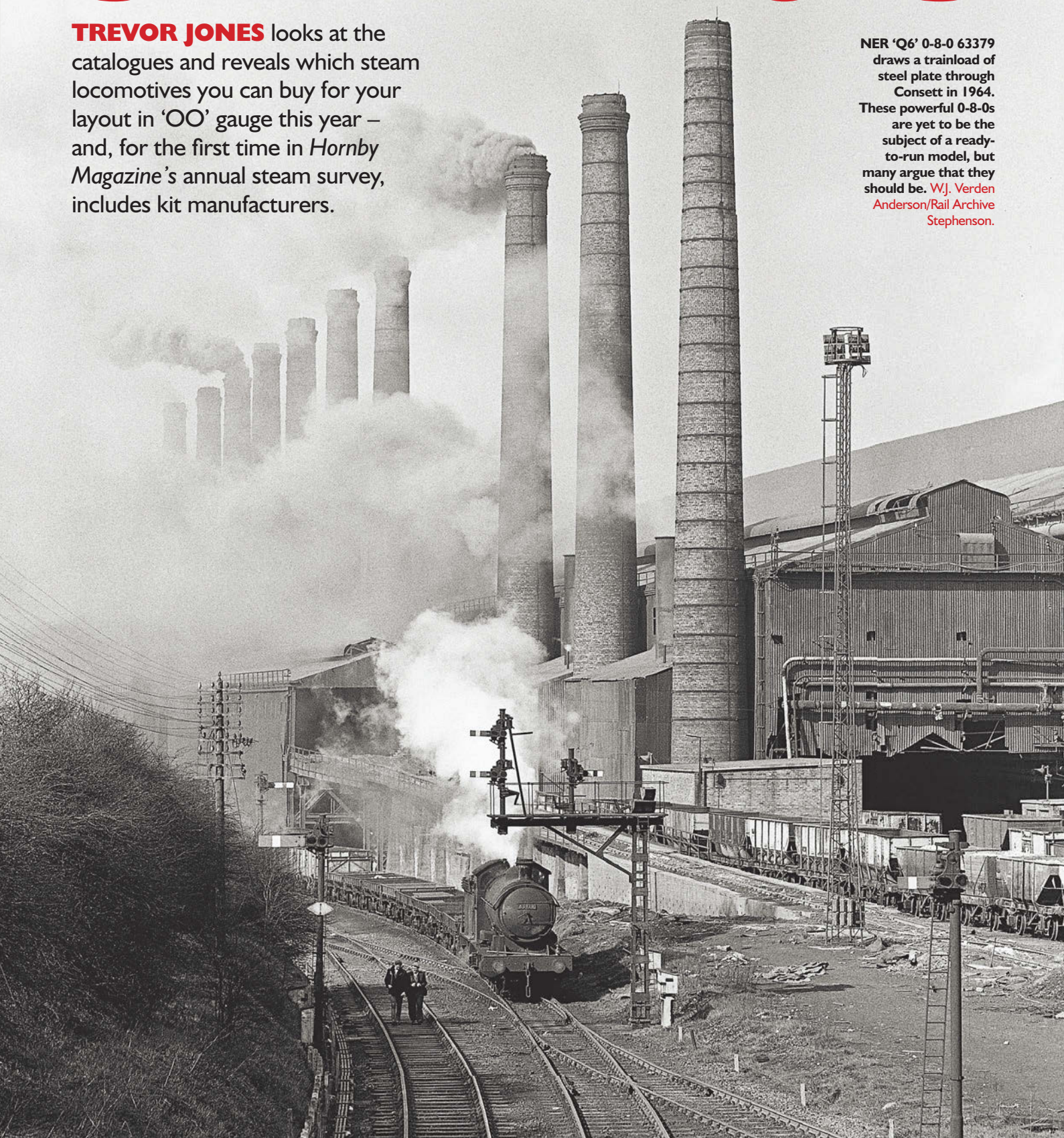
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MODEL SURVEY: STEAM 2013

TREVOR JONES looks at the catalogues and reveals which steam locomotives you can buy for your layout in 'OO' gauge this year – and, for the first time in *Hornby Magazine's* annual steam survey, includes kit manufacturers.

NER 'Q6' 0-8-0 63379 draws a trainload of steel plate through Consett in 1964. These powerful 0-8-0s are yet to be the subject of a ready-to-run model, but many argue that they should be. *W.J. Verden Anderson/Rail Archive Stephenson.*



IT'S AMAZING how much has happened in just over 12 months since our last review of available ready-to-run locomotives. Who would have thought that we could be looking forward to a Lancashire and Yorkshire Railway (LYR) 2-4-2T from Bachmann, and a 'P2' 2-8-2, unique BR '8P' 71000 *Duke of Gloucester* and the 'Star' class from Hornby too?

The availability of new classes of ready to run locomotives must surely be reaching saturation point. Despite new techniques for laser scanning the originals and innovative new production methods, manufacturers have to produce a commercially viable model. The choice of classes that fit the bill is getting smaller and smaller so for those who must have that rare or unusual locomotive we have decided to include kits in this survey for the first time to make it totally encompassing for all 'OO', 4mm scale, steam locomotives.

New arrivals

Naturally the past 12 months have seen a flurry of new releases on the back of announcements in 2011/2012 by Bachmann and Hornby, the main players when it comes to ready-to-run 'OO' gauge steam locomotives.

Starting with Bachmann it delivered three new steam models during the past 12 months covering the SECR 'C' 0-6-0, the Midland Compound 4-4-0, Robinson 'D11/1' and 'D11/2' 4-4-0s and also upgraded the chassis for three of its LNER classes – the 'A4' 4-6-2, 'B1' 4-6-0 and 'V2' 2-6-2.

Hornby meanwhile has released five new steam locomotives to the market covering the Thompson 'O1' 2-8-0, Gresley 'B17' 4-6-0, Churchward/Collett '42XX'/'5205' 2-8-0Ts and the Collett '72XX' 2-8-2T offering an impressive range of new freight motive power in 'OO' gauge.



Liverpool Street Pilot 'J69' 0-6-0T 68619 simmers in the platforms at the London terminus in the 1950s. This class of 0-6-0Ts is a contender for a future ready-to-run model. *Colour Rail.*

Next in line for release are Bachmann's Fowler '4F' 0-6-0 and Hornby's BR '8P' 4-6-2 71000 *Duke of Gloucester* while the very latest model to arrive is the Bachmann 'WD' 2-8-0 which has received a new DCC ready chassis for 2013 – see Reviews.

Still to come

In terms of ready-to-run models, Great Western fans still have the 'Dukedog' from Bachmann to appear and new for 2013/2014 the smaller '64XX' 0-6-0PT with appropriate autotrailer, and, of course, Hornby's forthcoming 'Star' 4-6-0.

Southern Railway fans will be delighted with the 'E4' 0-6-2T from Bachmann and the South Eastern & Chatham Railway (SECR) 'Birdcage' coaches in a multitude of liveries.

We still have the 'O2' 0-4-4T to appear from Kernow and the announcement of the 'USA' 0-6-0T from *Model Rail* plugs a gap in the market for small tank engines.

The London Midland & Scottish Railway (LMS), which is very well represented, will see two new tank engines from Bachmann – the Midland Railway designed '1F' 0-6-0T and the Lancashire & Yorkshire Railway 2-4-2T.

The London and North Eastern Railway (LNER) has perhaps produced the greatest surprise in recent announcements with a locomotive which did not survive in original form into BR days. The graceful and distinctive 'P2' 2-8-2 is to be produced by Hornby and with the ex-Great Central Railway (GCR) 'J11' 0-6-0 from Bachmann, Gresley 'O2' 2-8-0 from Heljan and the recently released limited



And now for something completely different – could we see a crane tank produced as a ready-to-run locomotive in the future? *Colour Rail.*



Above: Small tank engines are a major missing link in ready-to-run locomotives. LMS Kitson 0-4-0ST 47007 is an unusual candidate, but offers something different. *Colour Rail.*

Right: Demonstrating the impressive size of the GWR's large 2-8-0, '47XX' 2-8-0 4706 approaches West Ealing with a permanent way train loaded with rail panels on November 28 1959. *Ken Cook/Rail Archive Stephenson.*

edition 'C13' 4-4-2T from OO Works many of the gaps in locomotive types are now being filled.

The BR Standard sector sees the one-off '8P' 4-6-2 71000 *Duke of Gloucester* from Hornby which almost completes the entire standard class in model form, except for three designs: the '2MT' 2-6-0 and 2-6-2T and '3MT' 2-6-0.

Missing links

With so many locomotives available now or recently, what might be next? Looking at the comparison on our table between wheel arrangements and models, three areas show gaps: 0-4-0Ts, larger more specialised tank locomotives and 4-4-2s of various designs.

With the Bluebell Railway's on-going new build of a Brighton 'Atlantic' and the fact that the LNER designed 'Atlantics' have run in recent times this configuration would surely be a winner for any manufacturer as the Southern Railway 'H1'/'H2' and Great Northern Railway (GNR) 'C1'/'C2' classes could be produced. The other two gaps missing include locomotives specifically built for hump shunting, such as the LNER 'T1' 4-8-0T and 'S1' 0-8-4T and the Southern Railway 'Z' 0-8-0T and 'G16' 4-8-0T. At the other end of the scale 0-4-0 dock shunters such as the LMS Kitson 0-4-0ST or the GWR 'I101' 0-4-0T class could be possibilities. As far as 0-6-0Ts are concerned the LNER 'J69' or 'J50' would also be eminently popular.

Scottish and North Eastern region modellers undoubtedly have a big gap in locomotives

that originated in these areas. This could be filled with a model of one of the locomotives in the Scottish Railway museum which were all running in original liveries in 1959 and for North Eastern Region followers, a 'Q6' or 'Q7' 0-8-0 would also be well received.

Judging by the percentage of classes available in model form the best served is the former GWR with 52% of classes running in 1959 currently available, whilst at the bottom the LNER bumps along at only 19%.

The survey table of running locomotive classes this year compares 1949 and 1959, two of the most popular modelling periods. We have included all the well-known kit manufacturers offering locomotives that were running in these two periods, plus a list of websites of other suppliers. The extensive range of kits produced by Kays, Nucat & Cotswold which briefly went to Autocom, are no longer available apart from second-hand or where a stock is held at a retail outlet.

For ready-to-run only models, only those that are in the current catalogue (either available or announced) are included, but some are only available with DCC or as part of a train set. This means that several classes previously available have disappeared in the short term, most notably Hornby's 'Clan,' Stanier 2-6-4T, '8F' 2-8-0, 'Q1' 0-6-0, '14XX' 0-4-2T and Bachmann's 'Lord Nelson' 4-6-0, Fairburn 2-6-4T, 'Crab' 2-6-0 and Ivatt '4MT' 2-6-0, though all of these seem likely to be produced again in the future. Models produced by Dapol or Heljan as exclusive commissions have been coded to the retail outlet. »



TABLE I - LOCOMOTIVE TYPES, GWR AND BR WESTERN REGION

Wheel arrangement	No of classes 1949	No of locos 1949	No of classes 1959	No of locos 1959	Classes available ready-to-run	Classes available in kit form	% of rtr avail 1949	% of rtr avail 1959
4-6-0	9	735	7	662	Bachmann 'Hall', 'Modified Hall' Hornby 'Castle', 'Star', 'Grange'	SEF 'Hall', 'Star', 'King', 'Saint'	55.5%	71.4%
4-4-0	3	60	2	7	Bachmann 'City', 'Earl'	PDK 'City'.	100%	100%
2-8-0	3	205	3	166	Bachmann 'ROD' Hornby '28XX', '38XX'	PDK '47XX'	100%	100%
2-6-0	2	235	1	169			-	-
0-6-0	3	182	1	115	Bachmann '2251'	SEF '2251'	33.3%	100%
2-8-2T	1	54	1	54	Hornby '72XX'	PDK '72XX'	100%	100%
2-8-0T	2	151	2	150	Hornby '42XX', '52XX'	PDK '42XX'	100%	100%
2-6-2T	7	457	5	305	Hornby '61XX' Bachmann '45XX', '4575'	SEF '61XX'	42.8%	60%
2-4-0T	1	5				SEF '35XX'. Dean's '35XX'	-	-
0-6-2T	6	361	1	200	Bachmann '56XX'		16.6%	100%
0-6-0T	5	14	1	1			-	-
0-6-0PT	14	1223	10	1175	Hornby '27XX' Bachmann '57XX', '64XX', '8750'	DJH '1366' SEF '1854', '94XX'	28.5%	40%
0-6-0ST	3	14	1	5			-	-
0-4-2T	2	97	2	47			-	-
0-4-0T	1	6	1	6			-	-
0-4-0ST	8	22	5	7			-	-
Total 16	69	3821	42	3069	1949 31.8% of classes 1959 52.3% of classes			

Notes: Kit Manufacturer Codes DJH DJH. Dean's Dean Sidings. SEF South East Finecast. Comet Comet. Lyt Lytchett Manor Models. London RM London Road Models. GArr Golden Arrow Productions. PDK PDK. MerM Mercian Models.



TABLE 2 - LOCOMOTIVE TYPES, SOUTHERN RAILWAY AND BR SOUTHERN REGION

Wheel arrangement	No of classes 1949	No of locos 1949	No of classes 1959	No of locos 1959	Classes available ready-to-run	Classes available in kit form	% of rtr avail 1949	% of rtr avail 1959
4-6-2	3	130	5	140	Hornby 'WC/BB', rebuilt 'WC/BB', rebuilt 'MN'	PDK 'MN', 'WC/BB' most variants GArr original 'MN'	100%	100%
4-6-0	6	173	4	128	Hornby 'N15'	DJH 'S15', 'H15'. SEF 'N15' PDK 'S15', 'H15', 'N15'	16.6%	25%
4-4-0	16	332	6	117	Hornby 'T9', 'V'	DJH 'D1', 'E1', 'L' PDK 'T9', 'V' SEF 'T9', 'D', 'E', 'V', 'L1', 'D15' GArr 'B4', 'L', 'E1', 'D1'	12.5%	33.3%
4-4-2	2	8				DJH 'H1', 'H2'	-	-
2-6-0	5	174	5	174	Bachmann 'N'	DJH 'N', 'U', 'U1'. SEF 'U'	20%	20%
0-6-0	9	298	7	215	Bachmann 'C'	DJH 'C2', 'C2X'. PDK 'Q', 'Q1', '700'. SEF 'Q', 'C', 'Q1'. GArr 'O1', 'Q'	11.1%	14.2%
4-8-0T	1	4	1	3		GArr 'G16'	-	-
4-6-2T	3	7	1	5			-	-
4-4-2T	3	37	1	3		SEF '13' PDK 'Adams Radial' DeanS 'Adams Radial'	-	-
2-6-4T	1	15	1	15		SEF 'W' PDK 'W'	-	-
2-4-0WT	1	3	1	3	Kernow/Dapol '0298'		100%	100%
0-8-0T	2	9	1	8		GArr 'Z'	-	-
0-6-6-0T	1	1				GArr 'Leader'	-	-
0-6-4T	1	5					-	-
0-6-2T	9	139	4	55	Bachmann 'E4'	SEF 'E1R', 'E5', 'E6', DeanS 'E4'	11.1%	25%
0-6-0T	10	109	8	64	Hornby 'A1X' MR/Dapol 'USA'	SEF 'G6', 'E1', 'E2', 'P', 'USA', 'R1' DeanS 'P'	20%	25%
0-6-0ST	1	1				SEF 'S'	-	-
0-4-4T	8	259	3	171	Hornby 'M7' Kernow/Dapol 'O2'	SEF 'M7', 'O2', 'H', 'R', 'R1' PDK 'M7'	25%	66.6%
0-4-2T	2	7				SEF 'D1'	-	-
0-4-0T	2	14	2	8		SEF 'B4'	-	-
0-4-0ST	1	1					-	-
0-4-0CT	1	1				SEF	-	-
Total 22	62	1727	48	1129	1949 25.8% of classes 1959 33.3% of classes			

Notes: Kit Manufacturer Codes DJH DJH. DeanS Dean Sidings. SEF South East Finecast. Comet Comet. Lyt Lytchett Manor Models. London RM London Road Models. GArr Golden Arrow Productions. PDK PDK. MerM Mercian Models.

READY-TO-RUN MANUFACTURERS

Bachmann	www.bachmann.co.uk
Dapol	www.dapol.co.uk
Heljan	www.heljan.dk
Hornby	www.hornby.com

OO Works	www.ooworks.co.uk
Hattons	www.ehattons.com
Kernow MRC	www.kernowmodelrailcentre.com

TABLE 3 - LOCOMOTIVE TYPES, LMS AND BR LONDON MIDLAND REGION

Wheel arrangement	No of classes 1949	No of	No of classes 1959	No of	Classes available ready-to-run	Classes available in kit form	% of rtr avail 1949	% of rtr avail 1959
4-6-2	2	51	2	50	Hornby 'Duchess', 'Princess Royal'	DJH 'Duchess' DeanS 'Turbomotive'	100%	100%
4-6-0	9	1170	6	1155	Bachmann 'Jubilee', 'Unrebuilt Patriot', Hornby 'Rebuilt Patriot', 'Rebuilt Royal Scot', 'Black Five'	DJH 'Jones Goods', 'Rebuilt Claughton', 'Black Five' SEF 'Royal Scot' Comet 'Rebuilt Royal Sct', Caprotti 'Black Five'	55%	83%
4-4-0	10	616	6	251	Bachmann 'Compound'	Lyt MM 'Precursor'	10%	16%
4-2-2			1	1		LRM 'Caley Single'	-	100%
2-8-0	2	635	2	677	Bachmann S&D '7F'	DJH '8F', S&D '7F' GArr S&D '7F' Comet '8F' DeanS S&D '7F'	50%	50%
2-6-0	4	359	4	575	Bachmann Stanier 'Mogul', Ivatt '2MT'	DJH 'Crab'. SEF 'Crab' PDK Ivatt '4MT' GArr Stanier 'Mogul' Comet Ivatt '2MT'	50%	50%
2-4-0	1	1					-	-
0-10-0	1	1				DJH Lickey Banker.	-	-
0-8-0	6	596	3	238	Bachmann 'G1'	MerM 'G2' LRM L&Y '6F' and '7F' DeanS L&Y '7F' Lyt 'G1'/'G2' L&Y '7F'	16.6%	33.3%
0-6-0	17	2036	10	1390	Bachmann '3F', '4F'	DJH CR '2F', HR '3F'. SEF '4F' LRM '2F', Webb '2F', Mid '3F', Mid '2F', L&Y '3F' Lyt LNWR 'Cauliflower'	11.7%	20%
4-6-2T	1	8					-	-
4-4-2T	2	66	1	14			-	-
2-6-4T	5	587	5	645	Hornby Fowler '4P'	DJH Fairburn '4MT' SEF Stanier '3MT'	20%	20%
2-6-2T	3	239	3	339	Bachmann Ivatt '2MT'	DJH CR '4P'	33.3%	33.3%
2-6-6-2T	1	33			Heljan/Hattons Beyer Garratt		100%	100%
2-4-2T	3	103	1	18	Bachmann L&YR	LRM LNWR '1P', L&Y '2P'. Lyt LNWR	33.3%	100%
2-4-0T	1	2				Lyt Webb '1P'	-	-
0-8-4T	1	7				DeanS Beames '7F'	-	-
0-8-2T	1	5					-	-
0-6-2T	3	59	1	11		LRM 'Watford Tank', 'Coal Tank' Lyt 'Watford Tank'	-	-
0-6-0T	11	1044	8	615	Bachmann Mid '1F', Fowler '3F'	SEF CR MerM '2F', MR '1F' LRM '3F' Lyt NLR '2F'	18%	25%
0-6-0ST	1	83	1	34		LRM L&Y '2F'	-	-
0-4-4T	8	135	6	78		LRM Stanier '2P' DJH CR '2P'	-	-
0-4-2ST	1	2				DeanS 'Pug'	-	-
0-4-2ST Crane	1	1					-	-
0-4-0T	1	10	1	8			-	-
0-4-0Sent	1	7	1	2			-	-
0-4-0ST	5	50	3	37	Hornby L&Y 'Pug'		20%	33.3%
Total 28	102	7906	64	6138	1949 19.6% of classes 1959 31.25% of classes			

Notes: Kit Manufacturer Codes DJH DJH. DeanS Dean Sidings. SEF South East Finecast. Comet Comet. Lyt Lytchett Manor Models. London RM London Road Models. GArr Golden Arrow Productions. PDK PDK. MerM Mercian Models.

TABLE 4 - LOCOMOTIVE TYPES, LNER AND BR EASTERN AND NORTH EASTERN REGIONS

Wheel arrangement	No of classes 1949	No of locos 1949	No of classes 1959	No of locos 1959	Classes available ready-to-run	Classes available in kit form	% of rtr avail 1949	% of rtr avail 1959
4-6-4	1	1	1	1		SEF 'W1' DeanS 'W1'	-	-
4-6-2	7	87	7	202	Hornby 'A4', 'A3', 'A1' Bachmann 'A4', 'A2', 'A1'	DJH 'A1', 'A2', 'A2/2/3', 'A3', 'A1/1' PDK 'A1', 'A1/1' 'A2/1/2/3', SEF 'A2', 'A3', 'A4'	57%	57%
4-6-0	17	577	9	532	Hornby 'B1', 'B17/1', 'B17/2', 'B17/6' Bachmann 'B1'	DJH 'B16' PDK 'B12', 'B17' GArr 'B17/5'. DeanS 'B17/5'	23.5%	44.4%
4-4-0	24	435	7	119	Bachmann 'D11/1', 'D11/2'	DJH 'D20'. PDK 'D10', 'D11', 'D16', 'D29', 'D30', 'D34', 'D40', 'D49' GArr 'D16' Lyt 'D29', 'D34'	8.3%	28.5%
4-4-2	3	16				DJH 'C1', 'C7(Z)'	-	-
2-8-0	13	410	12	383	Bachmann 'O4' Hornby 'O1'. Heljan 'O2'	PDK 'O2'	23%	24.9%
2-6-2	2	186	1	184	Bachmann 'V2'	PDK 'V2'	50%	100%
2-6-0	8	324	8	320	Bachmann 'K3'	SEF 'K3' LRM 'K2'	12.5%	12.5%
2-4-0	1	18	1	1			-	-
0-8-0	5	232	2	135		DJH 'Q7'.	-	-
0-6-0	29	1637	23	1111	Bachmann 'J11'	DJH 'J9', 'J10', 'J35' SEF 'J38', 'J39' PDK 'J17', 'J19', 'J20', 'J36' LRM 'J3', 'J4', 'J6', 'J21', 'J25'	3.4%	5.8%
4-8-0T	1	13	1	5			-	-
4-6-2T	5	116	2	43		DJH 'A8'	-	-
4-4-2T	5	146	4	22	OO works 'C7'	SEF 'C12'		0%
2-8-8-2T	1	1				DJH Garratt	-	-
2-6-4T	1	139	1	100	Hornby 'L1'		100%	100%
2-6-2T	2	92	2	92	Bachmann 'V3'		50%	50%
2-4-2T	5	88					-	-
0-8-4T	3	6					-	-
0-8-0T	1	13	1	5			-	-
0-6-2T	20	611	11	306	Hornby 'N2'	SEF 'N7' DeanS 'N7', 'N15' LRM 'N1', 'N8', 'N9'	5%	16.6%
0-6-0T	18	582	14	359	Hornby 'J94', 'J83'	DJH 'J50' SEF 'J67', 'J69' LRM 'J65', 'J68', 'J69' Lyt 'J83'	11.1%	20%
0-6-0T Tram	1	11					-	-
0-6-0ST	6	217	2	84		MerM 'J94'	16.6%	50%
0-6-0T Crane	1	3					-	-
0-4-4T	1	109	1	195		LRM 'G5'	-	-
0-4-2T	2	4	1	1			-	-
0-4-0T	2	6	2	4			-	-
0-4-0T Tram	1	2					-	-
0-4-0T Tram Sentenal	1	1					-	-
0-4-0T Sentenal	2	53	2	15	MR/Dapol 'Y3'		50%	50%
0-4-0ST	1	33	1	11			-	-
0-4-0T Petrol	1	2					-	-
Total 34	191	6171	116	4230	1949 12% of classes. 1959 19.8% of classes.			

Notes: Kit Manufacturer Codes DJH DJH. DeanS Dean Sidings. SEF South East Finecast. Comet Comet. Lyt Lytchett Manor Models. LRM London Road Models. GArr Golden Arrow Productions. PDK PDK. MerM Mercian Models.

TABLE 5 - LOCOMOTIVE CLASSES, BR 'STANDARD' TYPES

Wheel arrangement	No of classes 1949	No of locos 1949	No of classes 1959	No of locos 1959	Classes available ready-to-run	Classes available In kit form	% of rtr avail 1949	% of rtr avail 1959
4-6-2			3	66	Hornby '7P', '8P'	GArr '8P', '6P/5F'	-	66.3%
4-6-0			2	252	Hornby '4MT' Bachmann '4MT', '5MT'		-	100%
2-10-0	1	25	2	276	Bachmann '9F'	GArr Crosti '9F'	-	50%
2-8-0	1	733	1	733	Bachmann 'WD'		100%	100%
2-6-0			3	200	Bachmann '4MT'		-	33.3%
2-6-4T			1	155	Bachmann '4MT'		-	100%
2-6-2T			2	75	Bachmann '3MT'	DJH '2MT' SEF '3MT'	-	50%
Total 7	2	758	14	1757	1949 50% of classes. 1959 64.2% of classes.			

Notes: Kit Manufacturer Codes DJH DJH. DeanS Dean Sidings. SEF South East Finecast. Comet Comet. Lyt Lytchett Manor Models. London RM London Road Models. GArr Golden Arrow Productions. PDK PDK. MerM Mercian Models.



Ivatt GNR 'CI' 4-4-2 4405 makes a vigorous departure from London King's Cross with the 1.40pm express for Leeds & Harrogate in February 1925. The 'Atlantic' wheel arrangement has yet to be produced as a ready-to-run model. Frank Hebron/Rail Archive Stephenson.

4MM SCALE KIT MANUFACTURERS AND SUPPLIERS

ACE Products	www.a4ace.supanet.com	Lychett Manor Models	www.lytchettmanor.co.uk
Martin Finney	website.lineone.net/~cbwesson/	Falcon Brassworks	www.falconbrassworks.com
Lochgorm	www.lochgormkits.co.uk/	DJH	www.djhmodelloco.co.uk
Roxley Mouldings	www.roxeymouldings.co.uk/	South Eastern Finecast	www.sefinecast.co.uk
Dave Bradwell	www.scalefour.org/DaveBradwell/	PDK Models	www.pdkmodels.co.uk
DC Kits	www.dckits-devideos.co.uk/shop/dc_kits/	Mercian Models	www.modelrailways.tv
CSP/Agenorla	www.cspmodels.com	London Road Models	www.scalefour.org/LondonRoadModels/
Brassmasters	www.brassmasters.co.uk	Golden Arrow Productions	www.goldenarrow.me.uk
52F Loco Kits	www.52fmodels.sharepoint.com	Dean Sidings	01594 530405
Hi Level	www.highlevelkits.co.uk	Comet Models	www.cometmodels.co.uk

Modelling...

MIDLAND TPOS

DAVID KITSON wanted to recreate an LMS built Travelling Post Office for his 1950s 'OO' layout, and modified readily available second-hand models to build a credible train.

With 'Royal Scot'
46100 Royal Scot
at the head, the
Midland Region TPO
looks the part of a
1950s formation.

Derek Shore.



TRAVELLING POST OFFICES roamed the rails from the late 1830s until 2004. Until the 1970s, often mail was exchanged between the train and lineside locations on the move, and such was their appeal that John Grierson immortalised the West Coast 'mail' in his 1936 documentary *Night Mail*.

It was this sort of train – albeit set in the 1950s – which I wanted to operate on my own layout. The problem is that there are very few off-the-shelf models which are suitable, and even those that are long out of production contain some hefty compromises in terms of detail and even length.

Some of the London Midland & Scottish Railway's designs were still being built as late as 1958, when the first BR Mk 1 designs were entering traffic. The vehicles were largely of two types – sorting vans (or POS, standing for Post Office Sorting in BR parlance) and stowage vans (POT, Post Office Tender). A subset of the latter, appearing quite late on, were brake

stowage vans (BPOT) which provided Guard's accommodation on trains made up exclusively of TPO vehicles.

Prior to this, other vehicles were added, often a full brake or two. This in itself could cause a problem, as the norm for TPO vehicles was an offset gangway specifically designed to prevent connection to other types and reduce the scope for theft. BR decided to go for centre gangways, but then had to build some with offset gangways when replacing single vehicles in existing sets.

LMS TPOs were painted maroon with whatever lining style was in vogue at the time. In BR days, TPOs were initially painted bright red, not too dissimilar to the BR crimson used on coaching stock. By the mid-1950s some were painted maroon again. Lining usually consisted of a yellow-black-yellow band about one-third of the way up the side, and a single yellow line below the toplights. The legend 'Royal Mail' and various crests, and numbers at both ends usually completed the livery. In

corporate days they acquired standard blue and grey livery. In the late 1980s, however, TPOs were being turned out in bright red again, this time with the 'Royal Mail Letters' legend and a pair of yellow lines low on the sides. I've not seen any pictures of LMS TPOs in this livery, but Hornby has produced such a model.

Ready-to-run

Tri-ang short TPO, R23. Introduced in 1955, this was loosely based on an LMS prototype, but of reduced length and with short bogies. It was produced until 1972 and appeared in brown, maroon and blue and grey liveries, always with running number M30224. They are easily found second-hand.

From the running number, the coach is supposed to be an LMS design to diagram D1792, but there are many discrepancies, not least of which is the length, 45ft instead of 60ft. The pick-up net is a door which opens on the corridor side of »



the coach, but the mailbag is set down from another door on the opposite side. This is completely fictitious. The model does have the correct offset gangways.

Tri-ang Transcontinental TPO, R119.

Introduced in 1956, this is believed to be completely freelance, but it came in various liveries including BR blue and grey. It was a longer coach than R23, but used the same mechanism and the same lineside equipment.

Hornby Dublo GWR TPO. Produced between 1957 and 1965, these were of tinplate construction with electrical exchange of mailbags, and its own lineside apparatus. It was only ever produced in BR maroon with running number W807. It appears to be a reasonable model of a Great Western Railway

TPO. They can still be found second-hand, and are not too expensive, compared to some Hornby Dublo models.

Hornby LMS TPO, R413. A much more convincing model, but not without its faults. It had a long run in production from 1978 to 1999. It has since reappeared in Hornby's RailRoad range. In the past it has been released in LMS and BR maroon, BR blue and grey, Royal Mail red and GWR chocolate & cream livery, the latter not strictly accurate but providing GWR modellers with a suitably liveried vehicle.

The lineside apparatus was different to the old Tri-ang type, but worked on the same principle of ramps in the track mechanically opening the coach doors.

The Hornby model has six toplights (and hence panels) between the doors, which is in accord with the 57ft coaches (60ft coaches usually had eight), but the non-corridor side looks like a 60ft coach as the 57ft coaches usually had extra doors. So the model seems to be something of a hybrid. The bogies have an 8ft 6in instead of 9ft wheelbase. If we accept the inbuilt compromises there are some interesting variations that can be made to represent other coaches.

Other models. Bachmann/Modelzone has produced models of BR Mk 1 TPOs to diagram 720, but so far these do not feature pick-up nets. However, a new version for release this year will have pickup nets, albeit non-operational. Modelzone has also newly

Modelling Midland TPO vans in 'OO'

M30250M (D1792)



1 As produced by Hornby (R413-type, actually R597w), I model 1950s BR, and I fancied having one operating TPO, so this is as bought, except for the fitment of offset gangways. Dismantling the coach reveals that the coach ends simply slot in, and are easily removed. I took an old R23 type coach and sliced the moulded ends

off this with a razor saw. Some trimming and the addition of a plastic T-piece to the back enabled the correct offset gangway to be attached to the coach. With no number change, the only painting was to give the new ends a fresh coat of black, and to pick out the nets with brown. I had to accept it being under length.

M30225M (D2043)

2 Although to a different LMS diagram, this is so similar to M30250M that another Hornby BR coach was used as the starting point. The operating mechanism was removed and an insert made for the recess from plastic card, based on what could be gleaned from the drawings and photographs. There are no windows in the recess on this coach. Traductors were left in place. On the non-corridor side, the bulge (due to the letter sorting frames inside) was extended to the end of the coach to eliminate the lavatory using plastic card.

The ventilator for the lavatory was also removed from the roof. The new parts were painted to match the colour of the coach. Some new ends, as per the D1792 coach, new numbers and a lick of paint on the roof completed the transformation. Again, this is a 60ft coach, so it is slightly short. »



Stanier 'Black Five'
4-6-0 44699 leaves
Perth with the up
'West Coast Postal'
in 1953, the source
of inspiration
for the TPO
conversions for
the Midland TPO.
Gordon Hepburn/Rail
Archive Stephenson.



commissioned a model of the BR Brake Stowage Van (BPOT) – see HM73.

The BR coaches (and a few later LMS coaches) had deeper toplights, but at least some of these were changed to the narrow style after the Great Train Robbery in 1963 for increased security. Indeed, security issues, and the fact that the majority of TPO operations were at night, have probably resulted in a general lack of information and photographs of them.

The models

The starting point for all of my models was Hornby R23 or R413 models obtained second-hand from an auction website. Most of the new parts were made from plastic sheet and strip. They are listed in order of difficulty, so

there should be something for everyone. Of course, there is no need to make the same vehicles as I did, but armed with a drawing and a photograph or two, it should be possible to make a reasonable model of almost any LMS TPO. The descriptions show the various coaches and how I converted them.

As you can imagine, it took quite a while to make all seven models, but I thoroughly enjoyed poring through the books, planning the models and finally building them. It consumed four R413 TPOs to make the four sorting vans and seven R23 TPOs plus two R413 bodies to make the three stowage vehicles. The R23s also supplied all the ends with offset corridors.

Every model has compromises, some of

which are inherent in the starting donors. If you are prepared to overlook them, there are some interesting and unusual vehicles to be had. They certainly make an impressive rake and a way of rekindling those famous words of *Night Mail* in miniature. [John](#)

REFERENCES

- *An Illustrated History of the Travelling Post Office*, Peter Johnson, OPC, 2009
- *An Illustrated History of LMS Coaches 1923-1957*, by Bob Essery & David Jenkinson, OPC.
- *The Illustrated History of LMS Standard Coaching Stock Vol 3 - Non-Corridor, Special Purpose and Self-Propelled Vehicles*, David Jenkinson & Bob Essery, OPC, 2000.



M30314M (D1792)

3 A lot more work was required than the previous two models because this was a Period II vehicle. As a complete repaint was going to be needed I started with an LMS model and removed all the numbers and logos with a glass fibre brush. The roof details were carefully cut off with a sharp modelling knife and sanded smooth, as were the traductors either side of the sliding doors, there being no exchange apparatus on this coach.

New roof details were made from plastic strip for the rainstrips, a wire handrail at one end, and some white metal

torpedo vents which were found on the auction website. The positions of the vents had to be gauged from photographs, ten in a line and one over the lavatory.

I realised afterwards that the main line of ventilators should be offset to the corridor side, and not down the middle (correct for a Period III coach). The operating mechanism was removed, but this time the recess had a pair of windows fitted. New ends with offset gangways were again fitted, and the coach was painted with RailMatch Maroon and Roof Grey. New decals came from Modelmaster, and lining from an old pack of SMS transfers.



M30204M (D1908)



4 This coach got a moment of notoriety by being one of those attacked in the Great Train Robbery in 1963. This is a genuine 57ft vehicle, so the length and panel count on the corridor side of an R413 are correct. It had traductors but no nets, so the operating parts were removed. This time the windows in the recess look as though they were plated over at some time, but this may just be an effect on the photograph. Nevertheless, I've modelled them as plated by scratching the outlines

into the plastic.

Most of the work is on the non-corridor side, as can be seen in the photographs. Whereas the 60ft vehicles above have one pair of outward opening doors on this side, this has a single outward opening door and a sliding door like those on the corridor side. Also the internal letter sorting frames, and hence the external bulge, only extend about two-thirds of the length. I put vertical cuts into the side with a razor saw, then released the sections I wanted by cutting

M30212M (D1793)

5 The distinguishing features between sorting and stowage vans are not the mere presence or absence of nets and/or traductors. Some sorting vans did not even have a recess for nets. Likewise, some stowage vans had a full complement of nets and traductors.

On the non-corridor side, sorting vans have no (or very few) toplights but have a bulge where the letter sorting frames are internally, whereas stowage vans look identical on both sides. Stowage vans were not as numerous as sorting vans, but there were eight examples to five different LMS diagrams.

I have modelled one with traductors but no nets, using parts from three R23 TPOs. Fortunately, there were plenty of parts left over from cutting off the ends for the sorting vans.

The non-corridor side was made from one complete corridor side with extra sections from another side inserted to



attain the correct length and number of panels. Between the doors there are the correct five panels. At the left-hand end, four panels were needed instead of three, but rather than try to insert just one, I cut out one and inserted two. This made squaring up and keeping the panel sizes consistent easier. At the right-hand end, the recess was removed leaving one panel, and three more inserted, thus creating a symmetrical side. The traductors and lights were removed from this side.

The corridor side was made from another complete R23 side, this time with the ends

left attached, and extra panels inserted. The left-hand end was treated as the other side, and at the right-hand end, the recess was enlarged with an extra 4mm added to bring the overall length of the side up to that of the other side. The two sides were then mated which was aided by the pieces of floor which I had left attached to the side sections.

The floor needed bosses building up for the new Hornby bogies and for the roof bolt. New underframing and battery boxes (non-corridor side only) were made from plastic as a separate unit and new full length footboards added to each side. The roof was made from sections of two donor units with the details filed off, a cut-out for the recess and new rainstrips (for a Period II vehicle) and ventilators (two rows of seven) added afterwards.

A good deal of filling and filing was needed to disguise all the joins. Painting was in Railmatch Maroon and Modelmaster decals. The model scales out at 49ft.



M30304M (D1853)

6 Two diagrams were issued for two vehicles in the LMS TPO fleet which were designated simply as VANs. One was just that, being only 30ft, six-wheeled and with no gangways. This model is the other, which was a POT in all but name, albeit only 42ft long.

The two sides are identical, and on the prototype there are five panels between the doors, and two panels at each end. I considered making

M30275 (D2172)

7 One LMS stowage van diagram was of a BPOT, 60ft long, and three were built between 1950 and 1954. It features a lavatory at one end and a Guard's compartment at the other, so the two sides are different. Also, some of the toplights are missing where the sliding doors go behind.

The model uses four R23s, two per side, in order to get all the doors (three sliding each side) and the correct length. I had to compromise by putting five panels instead of four between the doors. This resulted in the correct overall length but shortened the lavatory and Guard's sections. The image shows the various sections before reassembly.

All the traductors had to be removed, some toplights needed



under the roof line with a slitting disc in a minidrill. This does result in some loss of height, but a piece of microstrip fills this in when reassembled.

The double doors were converted to a sliding door by removing the centre line, handle and hinges, and the single door came from another double door which was discarded making the next vehicle in the series. It could have been made from scratch of course, as was the left-hand section, which unusually features two toplights, formed by chain

drilling and filing. The various pieces were then reassembled in the new sequence, with appropriate squaring up and filling/filing as needed.

I kept to the Hornby panel sizes which results in a slight error in the door positions, so that is the compromise on this coach. In retrospect, it would not have been too onerous to replace the beading to get the exact dimensions, and I did add beading to the left-hand section anyway. Some ventilators were removed from the roof, as



photographs only showed seven. As in the previous conversions, new ends were added and the chassis remained unaltered. A

complete repaint was needed, this being done in Railmatch Crimson with Modelmaster decals.

these using centre panels from three R413 TPOs, which could have been a rather expensive exercise, and would have meant a lot of joints, but it would yield the correct number of panels and overall length. In the end I compromised and opted for six panels between the doors. This could be made from two R413s by removing the recess and moving two panels from the left-hand end to the right, which due to the different panel sizes actually results in the correct length. The procedure is the



same for both sides, except the roof is left attached to one side and removed from the other. The moulded ventilators were removed and two rows of five added.

Ends from an R23, this time



glued directly to the sides, completed the transformation of the body. It would be possible to modify one of the chassis to fit, but I opted to scratchbuild using a piece of 80thou plastic card with details

and new Hornby bogies added. The main reason for this was that I'd kept the cost down by buying two body mouldings and didn't have a chassis to modify. This model was painted crimson.

filling, the windows for the lavatory and Guard's compartment needed drilling/filing out and the Guard's doors had to be scribed in. The parts were assembled into an open rectangle, sides and ends and braced across with more plastic card. The chassis was made from 80thou plastic card and Hornby bogies again. The roof appeared to have an enormous number of ventilators. It was made from two sections of R23 roof, and needed 16 strips across and 27 ventilators in five lines but to no regular

pattern, positioned as best I could from the photographs.

These were plastic ventilators as I had to track down another packet, and that is all I found. The body was then clamped between roof and chassis using two Tri-ang roof bolts. Finally, this model was painted crimson. The lining was slightly different in that the upper yellow line goes 'through' the toplights, and the lower band is simply a single yellow band. The running number does not have an 'M' suffix as it was built by BR, and it only appears once each side.



You need...

- * Craft knife
- * Wire cutters
- * Needle files
- * Small modelling clamps
- * Pin vice and drills
- * Two-part epoxy
- * Superglue

The completed Langley Models Clyde Puffer beached on a pile of sand. This is how these boats were unloaded by grounding them at low tide.



Building a ... **CLYDE PUFFER**

Sea vessels can be a great talking point on a model.

PHIL PARKER tackles Langley Models' Clyde Puffer kit and shows how simple it is to assemble this characterful steam boat.



THE SMERTEST boat in the tread", Para Handy, captain of the good ship *Vital Spark*, the most famous Clyde Puffer.

The Clyde Puffer is a 66ft long traditional coastal trading boat that was once found on the sea around the West coast of Scotland. Designs varied enormously but they all included a flat bottom to allow the vessel to be beached on islands without port facilities.

The boat would be unloaded at low tide - the whole island turning out for this - and then re-floated at high tide to head off to the next port of call. A crew of four would live on board. Early (18th Century) boats had open cabins which must have been particularly hard on the skipper as the West coast of Scotland is not known for the best weather!

During the Second World War the Ministry of Defence needed to supply stores and fuel to the large number of vessels around the country ordered a new batch of Puffers. These were the VIC (Victualling Inshore Craft) boats. They were steam powered as Britain was suffering from a shortage of oil and were built with 66ft hulls. After the war they were bought by private owners for around £2,000 each and some still survive today.

Railway connection

In terms of railway modelling you may now be wondering why we have chosen a nautical theme for Parker's Guide this month. The reason is simple. My layout, Melbridge Dock, features a couple of 'Puffers' tied up at the quayside and they always attract as much attention as the railway components of this busy dockside layout (HM21). The boats for the 'Dock' were scratchbuilt long before any kits were available, but now a resin and whitemetal kit is available in both 4mm and 7mm scales from Langley Models.

Boat building might appeal to railway modellers looking for interesting scenic features but as soon as you attempt to build one, you'll encounter technical terms that make those found in our hobby seem like plain English by comparison. In this article, I'll try to explain some of these.

Starting with the basics; port and starboard.

Imagine you are stood on the deck looking forward towards the front point of a boat. In front of you is the bow, behind, the stern. To your left, is port with a red light and on the right starboard with a green one. The important thing is that if you turn around, port is now on your right and starboard on your left. The terms are relative to the front of the boat so you always know which side is being referred to.

The kit is reasonably simple to build and will produce a lovely model. Available in full hull and waterline versions, if you pick the full hull version, as we have, fitting the model to the layout will probably mean cutting a boat shaped hole in your water – and no it won't float in real water. For most, a waterline hull would be easier, cheaper and considerably lighter.

For beginners, a major stumbling block with model boat building is the rigging. First, you have to work out where it goes. Examining photographs isn't easy as the ropework doesn't show up that well and even when it does, the prototypes varied as they were altered over their long lives.

Turning this into a model is even worse. Traditionally, you will use thread as supplied in the kit. This has to be kept under tension while you attach it and once the model is complete, is vulnerable to being knocked. Paint the thread and it will probably go furry too.

Wanting to avoid this, I've rigged this boat with 0.5mm black elastic sold for threading beads to make jewellery. It's fantastic stuff which will stretch a long way before snapping so would be suitable for other ropes and even telegraph wires on a layout. Tying knots in it isn't easy as the smooth surface tends to see them unravelling but putting a drop of superglue on the knot will fix it.

Another addition to the kit is the crew. While Langley make nautical figures, I used some from Monty's Models. Although intended for trawlers, the clothes are generic enough to pass on a coaster.

The build

Apart from these, this kit has been built pretty much out of the box. As I've said, the prototypes varied a lot and there is plenty of scope for personalisation. A resin wheelhouse is provided but you could easily scratchbuild an alternative from plastic sheet, even to the extent of producing an early 'Puffer' with the captain unprotected from the elements.

The hold is covered with planks but at sea these are protected with a large tarpaulin that could be made from printer paper and painted green/grey. Advanced modellers could even open up the hold and build an interior being loaded. You will need the full-hull boat for this though! If you do cover the hold, add a small rowing boat on top of this as these were essential for the crew to get ashore but would travel this way at sea.

'Puffers' are charismatic little boats that made their way around most of the country. Although Scotland was their home, at least one found its way down to Cornwall. The last boat stopped working in the 1980s, but at least three are still afloat as holiday vessels. Be prepared to answer a lot of questions if visitors to your model spot you've built one. I know I've spent many days at exhibitions talking about boats more than trains! 

STEP BY STEP BUILDING A CLYDE PUFFER IN 4mm SCALE

1



The large box contains resin and whitmetal castings including a single-piece hull which is surprisingly heavy.

5



In front of the wheelhouse we have the funnel and two larger vents. These normally face forward but this varied between boats.



Puffer steering is simple. A chain attached to the tiller (lever attached to the top of the rudder) runs up either side of the engine room and on to the back of the wheel. You could model the whole set-up but we ignored the hidden parts inside the wheelhouse.

9



Fitting the tabernacle (triangular sides) to the mast with superglue was quickly followed by attaching the derrick (horizontal jib), which rests on the support in front of the funnel. These long whitmetal parts need careful handling as they bend easily.

WHAT WE USED

LANGLEY MODELS

Website: www.langleymodels.co.uk

■ Product: Clyde Puffer (68ft) - Full Hull (Ref #MB1) - £93.60

MONTY'S MODELS CREW

Website: www.dartcastings.co.uk

■ Product: MSV50 - Skipper/Captain - £1.50

■ Product: MSV51 - Trawlerman - £1.50

■ Product: MSV52 - Trawlerman - £1.50

■ Product: MSV55 - Fitter - £1.50

BEADS UNLIMITED

Website: www.beadsunlimited.co.uk

■ Product: Value Elasticity 0.5 mm Black 25m - £6.49

USFUL LINKS

■ A number of links to further information about Clyde Puffers can be found by pointing your mouse at: www.pagenumberone.co.uk/layouts/puffers/index.htm



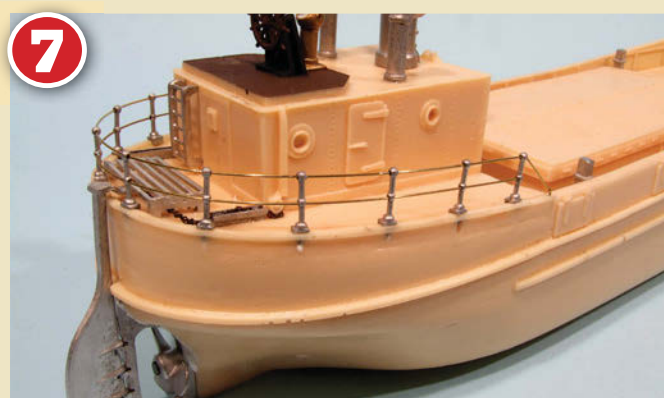
The deck has to be fitted into the hull with two-part epoxy glue. Ours needed to be held in place until the glue dried as it was slightly too curved. Warming the resin in hot water makes this job easier.



Starting with the wheelhouse, dimples have to be drilled to take pegs moulded on the back of the whitmetal castings. Many of the castings are located this way.



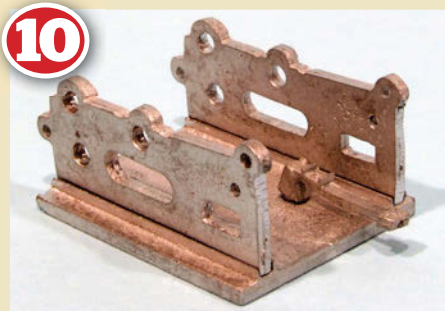
The companionway (the box containing stairs down to the front cabin) is fitted with superglue along with the smallest of the vents and tabernacle base (the plate at the bottom of the mast).



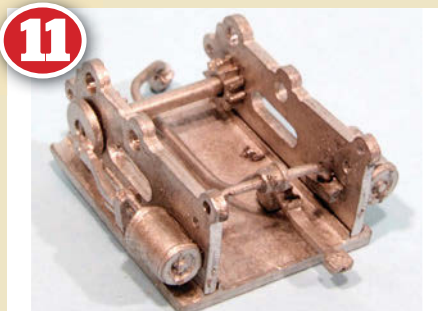
Stanchions for the railings are fitted in place by drilling holes where the moulded version isn't deep enough. Gibson 0.45mm straight brass wire was threaded through the hole in preference to the coiled wire in the kit. The stanchions were adjusted to be upright and then each joint was fixed with a drop of superglue.



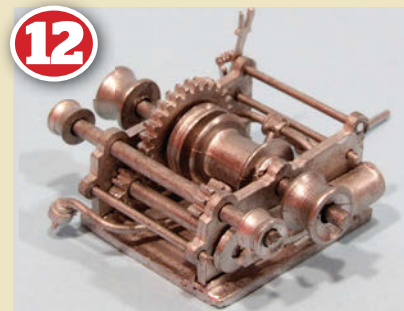
Bollards (which are used to tie ropes to) fit to the deck. Fairleads (which guide the ropes) fix to the top of the sides. The right-angled pipe is to guide the anchor chain to the winch under the deck.



Winch construction began with fitting the sides and footpedal to the base. All assembly used superglue after any moulding flash had been removed from the castings with needle files.



Several whitmetal axles are supplied. Builders need to check the lengths to ensure the right ones go through the right holes. Cogs slide on these and the steam cylinders fit on the outside of the frame.



The winch drum needed its hole opened out with a drill bit and small round file but everything else fitted nicely on the axles. If you have problems, these could be replaced with wire.



13 Halford's red oxide spray primer is a good match for the anti-fouling paint so we sprayed the entire model with it. Any parts that miss out on top-coat will just look rusty.

14 Rigging required fixing the threads to the hull. The instructions suggest superglue but we made some hooks from thin wire, glued these to the hull and then tied the rope to them.



AUCTII



VECTIS AUCTIONS

Vectis Auctions holds monthly railway auctions at its Thornaby and Rugby sites and since 1997 it has sold an impressive £85million worth of railway models and toys.

Vectis has a subscriber base of more than 65,000 members and regularly offers sales covering historic, rare and valuable Hornby Dublo and Tri-ang models as well as more contemporary items leading right up to the present day. Auctions at Thornaby generally concentrate on general model railway

equipment including modern 'OO' gauge locomotives and rolling stock while auctions at Rugby put the spotlight on collectable and vintage models.

Vectis recently sold off the Hornby Archive Collection which included quality control samples and pre-production stock while at the HR Lines Collection auction more than 200 Hornby 'O' gauge locomotives were sold.

A highlight of Vectis Auctions' history was the sale of a Hornby Dublo three-rail 'Princess

Coronation' 4-6-2 6231 *Duchess of Atholl* in LMS maroon with two LMS maroon tinplate coaches in a display case. It was estimated to be worth around £300-£400, but in the end realised a believed world record sale price for a Hornby Dublo model of £6,000!

● Full details of Vectis Auctions forthcoming and past auctions can be found at www.vectis.co.uk



Vectis Auctions holds regular sales of vintage Hornby Dublo tinplate models in Rugby.

SPECIAL AUCTION SERVICES PREPARE FOR ANNUAL RAILWAY AUCTION

Preparations are already underway for Special Auction Services annual Trains Galore event on December 11/12 2013. In addition the auction house hosts regular model railway sales within its Toys for the Collector sales.

Trains Galore has been running since 1985 and contains some of the finest model railway related items to pass through the auction house each year. A fully illustrated colour catalogue will be available ahead of the auction with details also made available through Special Auction Services' website.

For more information, toy specialists Hugo Marsh, Bob Leggett or Dave Kemp are on hand to receive questions and queries in advance of the event. Special Auction Services also offers free valuations too.

● Contact them through www.specialauctionservices.com for more information.

MODEL RAILWAY AUCTION DATES 2013

AUCTION HOUSE	DATE	LOCATION
UK Toy and Model Auctions	July 15	Chester
Warwick and Warwick	July 17	Warwick
Vectis Auctions	July 26	Thornaby
Vectis Auctions	August 23	Thornaby
Warwick and Warwick	September 18	Warwick
Vectis Auctions	September 21	Rugby
UK Toy and Model Auctions	October 7	Chester
Vectis Auctions	October 11	Thornaby
Warwick and Warwick	November 20	Warwick
Vectis Auctions	November 23	Rugby
UK Toy and Model Auctions	December 3	Chester
Special Auction Services	December 11/12	Newbury
Vectis Auctions	December 13	Thornaby

ONS



MARKLIN AND BASSETT-LOWKE REALISE IMPRESSIVE SALES

Warwick and Warwick auctions' recent event saw a number of Marklin pre-war models and Bassett-Lowke 'O' gauge items capture the imagination of bidders.

Highlights of the sale included a Marklin pre-war 'HO' scale three-rail model of a German outline 'Pacific' in LMS maroon livery which sold for £1,840, a Bassett-Lowke 'O' gauge 'Jubilee' in LMS maroon as 5701 *Conqueror* which sold for £2,760 and a Bassett-Lowke LNER 'B17' 4-6-0 as 2848 *Arsenal* which sold for £4,025. Also in the same was a Hornby Dublo BR electric blue Class 81 E3002 which realised £437.

Warwick and Warwick's next model railway and die-cast sale is on July 17 and the listings include a rare Bassett-Lowke 'O' gauge



clockwork 'Jubilee' as 5573 *Newfoundland* in LMS maroon. The estimated value of this locomotive is £2,500.

● For full details of Warwick and Warwick's next auctions visit www.warwickandwarwick.com



This Bassett-Lowke 'O' gauge model of 'Jubilee' 5701 *Conqueror* sold at auction for £2,760.



This model of 'B17' 2848 *Arsenal*, made by Bassett-Lowke, sold at auction for £4,025.

UK TOY AND MODEL AUCTIONS LINES UP FOR NEXT SALE

Merseyside based UK Toy and Model Auctions is set to hold its next auction on July 15 offering over 500 lots of model railway and die-cast road vehicles for sale.

The extensive catalogue for the July auction includes an array of completed kit built locomotives in 'OO' gauge together with an impressive amount of ready-to-run models which are no longer available new. Included in this are numerous special editions with particular highlights being a Bachmann 'WD' 2-8-0 in LMR blue as 400 *Sir Guy Williams* (a limited edition of 2,000), plus a Beattie's of London limited edition Maunsell 'N' 2-6-0 produced by Bachmann. The sale listings also include 'O' gauge ready-to-run locomotives, die-cast road vehicles from all periods, early tinplate railway models and a selection of overseas models. Visit the UK Toy and Model Auctions website for the full listing of items for sale.

UK Toy and Model Auctions is opening its doors again on October 7 with what it describes as the first of three parts of an 'outstanding collection' of Hornby Dublo models. The auction will include a large number of mint condition and claimed rare items including more than 50 boxed train sets.

● Visit www.uktoyauctions.com for full details of forthcoming auctions.

THE AUCTION HOUSES

VECTIS AUCTIONS

Location: Midlands and North East
Tel: 01642 750616
Address: Fleck Way, Thornaby, Stockton on Tees TS17 9JZ
E-mail: admin@vectis.co.uk
Website: www.vectis.co.uk

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Location: Warwickshire
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Address: Chalon House, Scar Bank, Millers Road, Warwick CV34 5DB
E-mail: info@warwickandwarwick.com
Website: www.warwickandwarwick.com

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Location: Merseyside
Tel: 0151 334 3362
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E-mail: enquiries@uktoyauctions.com
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Trusses are vital in roofs

I THOROUGHLY ENJOY reading the magazine from cover to cover and have done so since issue 1. I must, however, take up cudgels with Phil Parker in regard to the roof that he has constructed in Midland Railway fashion in Parker's Guide, HM72. The roof must have suitable trusses linking the two sloping faces of the roof as they will spread apart (not in model form, of course) without triangulation of some

kind. The Midland Railway used some very decorative castings applied just under the roof peak to provide this. I can recommend a look at Loughborough (main) station roof. A visit can be a pleasure if incorporated with a visit to Great Central Railway too.

I hope this will not be taken as anything but constructive criticism. Please keep up the good work.

Tony Roe, via e-mail.

SUPERB SCALESCENES SERVICE

Every so often you read about bad service from various shops and suppliers so here's a good news story about one of your advertisers. Recently my computer died and I could not access any of my files.

My children bought me a new computer so I had to replace what files I could. I e-mailed Scalescenes and asked them if I could get replacement files from them and how much it would cost. Within the hour

I received an e-mail from Scalescene with copies of my files that I had bought from them at no cost. Now that's what I call good service - Scalescenes keeps all your purchases on file and can help you when needed.

Keep up the great work Scalescenes – and thank you!

Frank Organ, Maddingley, Victoria, Australia.



ANNESLEY IS IN NOTTINGHAMSHIRE!



PLEASE NOTE that Annesley, where 53 of the 'O1s' ended up (HM73), some later to run the 'Windcutter' trains with unfitted coal wagons at 50mph down to Woodford Halse is in Nottinghamshire, not Sheffield.

The Great Central Railway built its main shed at Annesley because Nottingham City Council wanted so much for the water supply that only a very small depot was built near Queen's Drive in the Meadows, just south of the Arkwright Street Station. As the small turntable at Nottingham Victoria Station could not handle long locomotives, many had to go the 10 miles North to Annesley to use the turntable there.

When the 'round the back' Great Northern Railway line through Mapperley Tunnel to Colwick closed, the extra traffic through Nottingham Victoria Station meant that engines were coupled together and sent up to Bagthorpe Junction to use the triangle of lines there to turn. Because of the hard water at Annesley we who used to trainspot on this line got used to the white streaks on the sides of the boilers caused by the hard water despite the treatment given to it.

T.MacN. Gallagher, by e-mail.



In short...

■ I seem to remember that *Hornby Magazine* announced a Diesel Brake Tender as an exclusive to the magazine a few months ago, but nothing further about ordering has been seen yet, or have I missed something? An update would be appreciated.

Mark Clayton, Milford on Sea.

Hi Mark, the 'OO' gauge Diesel Brake Tender project is moving forward rapidly at present with the CAD/CAM artwork reaching an advanced stage during June. We haven't started taking orders just yet, but we will be doing soon so keep your eyes peeled for the order form in a future issue – Ed.

■ First, I am glad that the useful Advertisers Index has re-appeared in HM73 but in the same issue Evan is wrong when he refers to Sir Nigel Gresley's retirement in 1941. Sadly, Sir Nigel actually died in office, as is well known, aged 64.

John Pearse, Bradford-on-Avon

JUST LIKE THE REALSTONE THING...

I am just writing to congratulate Nathan Bridge and his friends on constructing what must surely be destined to become one of the great layouts of our age (Realstone Quarry, HM73). Even I, a professional railwayman with over 40 year's service, was taken in by the picture on page 96 and had to look very closely to be sure it was a model.

Greg Heathcliffe, Swindon.

Nott good...

I have recently resumed an interest in railway modelling since my retirement, and have bought several magazines for inspiration. On seeing that HM73 contained an article on Ruddington (GC) and another on the Thompson 'O's', I couldn't wait to get home and enjoy it, as the former Great Central is my main interest and virtually on my doorstep.

The Ruddington article was great but halfway into Evan Green-Hughes' Reality Check he suggests that Annesley is in Sheffield instead of Nottingham. He then goes on to mention the fitting of water treatment equipment to the Sheffield based engines due to the poor water quality at that depot.

That off my chest, congratulations on a magazine that gets better and better.

Tim Crafts, via e-mail



15 minute MAKEOVER

Readymade buildings offer a simple way to create street scenes, but, as **MIKE WILD** shows, a minor modification and 15 minutes can make them unique.

RESIN BUILDINGS have revolutionised railway modelling when it comes to scenery. Once high quality buildings were the preserve of the elite model maker, but now thanks to the likes of Hornby, Bachmann and Pocketbond we can choose from a selection of pre-painted, detailed, resin buildings to simply plant in a street scene.

With this influx of buildings has come a need to make structures individual and that means breaking out the paints and adding a unique feel to a building. This project is very simple and takes but a matter of minutes to complete.

The idea came from billboard advertising hoardings which were often seen on the ends of buildings and still are in some areas. The building here is a Hornby Skaledale restaurant (Cat No. R9654) which is neatly produced in resin and looks smart straight from the box.

However, with a few simple tweaks and changes it becomes unique. The first was to white wash one of the end walls, the second to add a period poster to the repainted wall, the third to add an out building and the fourth to weather the roof and frontage.

All these features combined together to create a model which is that little bit different to the factory specification, yet the work involved only takes about 15 minutes to complete!

The outbuilding we used came from our collection of spares, but handily fits in with the overall look of the building while also looking like it was added later in a way that many buildings are modified. Similar buildings are available as kits from the likes of Ratio and Wills.

So, if you have been wondering how to make your buildings stand out, this is one way to do it. **Hornby**



STEP BY STEP MODIFYING A SKALEDAL BUILDING IN 15 MINUTES



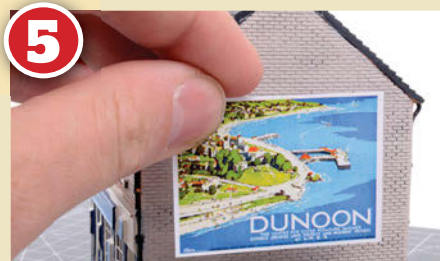
As supplied the Spire Restaurant is a smart building to add to a street scene, but it can be made unique.



The first stage is to repaint one of the end walls as if it has been white washed. Rather than use a pure white paint we used Lifecolor's Broken Plaster (Cat No. UV739) which is more subtle.



After the first coat it was clear that the white wall needed two coats of paint to make it look good. Both were applied with a Humbrol stipple brush.

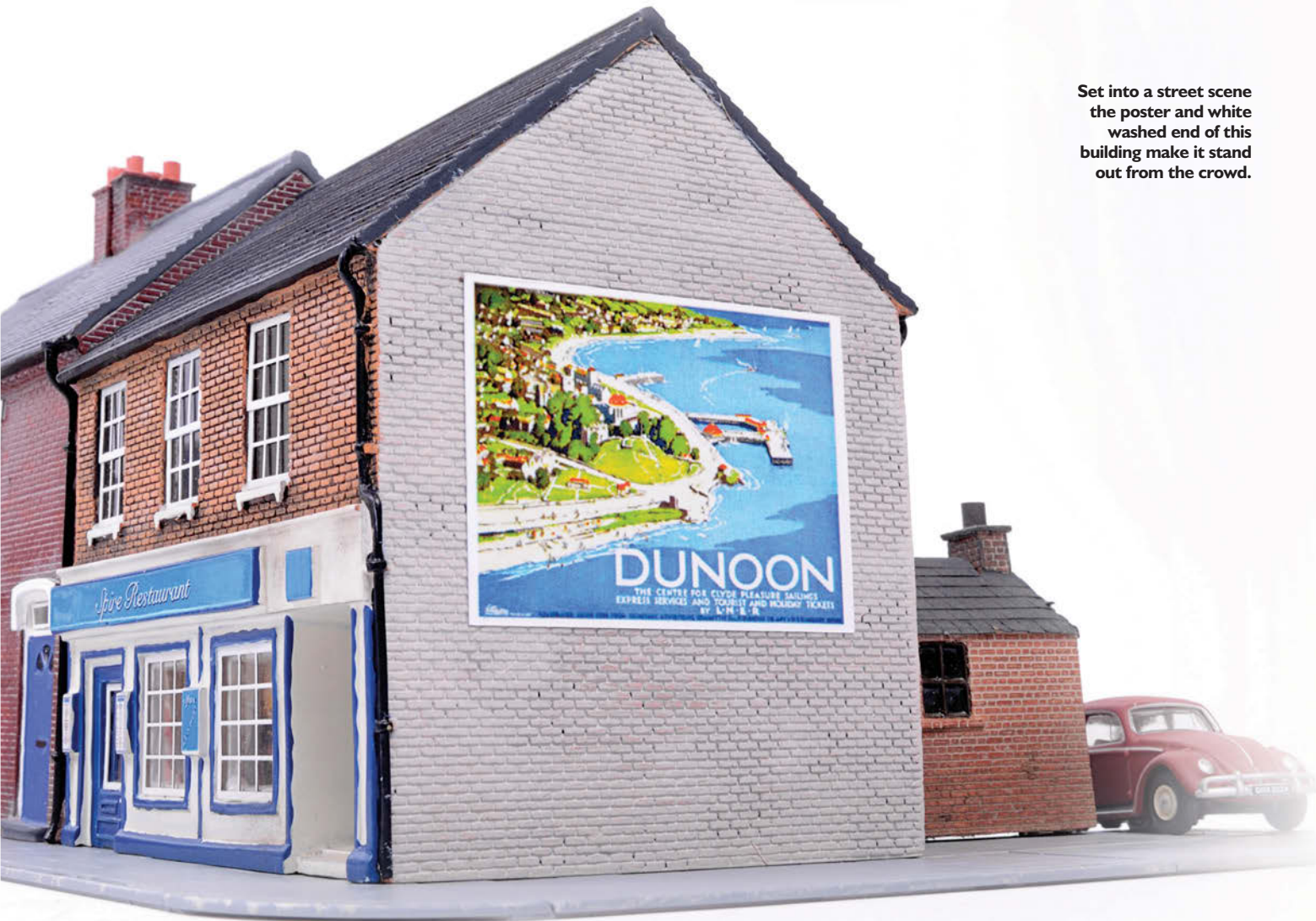


After cutting out the poster it was fixed to the end wall with contact adhesive. This secured the poster in place in an instant.

WHAT WE USED

PRODUCT	MANUFACTURER	CAT NO.
Spire Restaurant	www.hornby.com	R9654
Lifecolor Broken Plaster acrylic	www.airbrushes.com	UA739
5mm stipple brush	www.humbrol.com	AG4303
Period posters	www.tracksidesigns.co.uk	LNER Pack 5
Outbuilding	n/a	n/a

Set into a street scene the poster and white washed end of this building make it stand out from the crowd.



A period poster was cut from a Trackside Signs LNER posters set using a craft knife and a metal ruler.



To make this build unique we added an outbuilding using a spare lineside hut from a previous layout. The slightly different brick style and colour suggest it is a later extension to the main property.

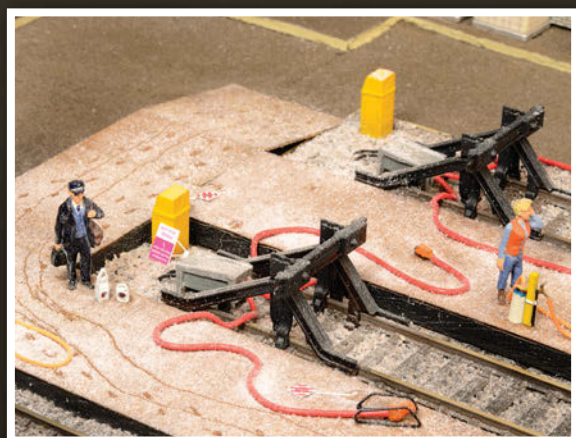
7

The finishing touch was to weather the roof and frontage using Humbrol black, soot and dark earth weathering powders (mixed together) applied with a stipple brush in streaks from the centre of the roof.



Aberdeen Kirkhill

The area around Aberdeen has always been full of variety and it was no different in the 1980s, which is when **GRAHAM HARRIS** and **GLENN DANIEL** chose to set their busy depot layout. They explain how this popular exhibition layout works. *Photography, Mike Wild.*



 An unusual feature of Aberdeen Kirkhill is its winter setting. Trolley tracks mark the walkways between a collection of lamps and hoses.



ACCORDING to the dictionary, nostalgia describes a sentimentality for the past, typically for a period or place with happy personal associations. For Glenn, this was Scotland in the 1980s, where he lived and began his railway career and for Graham it was travelling around on trains of the same period and taking a keen interest in the differences between them. Having been part of the management team at Craighentinn Depot in Edinburgh, Glenn had the idea of creating a depot layout with a difference and Graham, with his interest in coaches, jumped at the idea.

Apart from pandering to Glenn's interest in all things ScotRail, an advantage of modelling a Scottish depot was the variety of train lengths - High Speed Trains (HSTs) and 'sleeper' rakes are typically ten or more vehicles whereas push-pull sets and locomotive hauled internal Scottish services were five or six vehicles. The Cross-Country services, meanwhile, split at Carstairs into portions of six or seven vehicles. The track layout we chose for our depot had a main ladder road, so our six external roads and our maintenance shed varied considerably in length. This means that by default, they are virtually tailor-made to the lengths of the trains we need to accommodate.

We originally intended to do our uncoupling

by hand, so this restricted the width to the furthest we could reach, which was 2ft. This in turn restricted the number of roads we could have in the depot to seven. We had to find a depot location where we could fit all the trains requiring attention into this number of roads. We subsequently fitted electric uncouplers, obviating the need for us to reach all parts, but we still appreciate the portability that this width facilitates.

Aberdeen fitted the bill in terms of modelling interest, but making Clayhills depot itself would have imposed too many restrictions. Moving the location to the site of the present Craighinch Yard gave us more flexibility in terms of track layout and although we didn't know it at the time, BR had considered relocating Clayhills to this site during the 1980s, so there was a possibility that a depot such as Kirkhill could have been built there.

Most layouts are set in Summer, so we decided that since this was to be a layout with a difference, we would set it in Winter. This also gives us the opportunity to run the all-important snowploughs.

Having studied the effects of the winters of 2009 and 2010 on bushes and trees, we realised that they weather down to a dark brown, dark green or even black. An airbrush was used to tone down horsehair bushes and seafoam trees until the desired effect was achieved. The snow is a mixture of talcum

STATISTICS

Owner:	Graham Harris and Glenn Daniel
Scale:	'OO'
Length:	24ft
Width:	2ft
Track:	Peco code 100
Control:	DCC, Gaugemaster Prodigy
Era:	BR Scottish Region, 1987-1988

powder, Geoscenics snow and micro-balloon. This latter material is actually formed of 600 micron glass beads which are extremely fine and even fall like scale snow! It was applied using a tea strainer and fixed using hairspray. Some of the rolling stock has also had snow applied to the underframes and body ends.

Operating Kirkhill

One of the reasons that Kirkhill keeps us interested during exhibitions is the fact we run to a set sequence.

Trains of coaching stock which arrive at a depot for servicing need to have an exterior wash - either a maintenance exam (which would be performed in the maintenance shed) or an environmental exam (which would occur by the cleaning platforms) - be internally cleaned and have the water tanks topped-up so the stock will be ready for its next diagrammed working. »



A ScotRail liveried Class 47/7 ticks over at the head of a push-pull set while alongside a half HST set waits to move into the carriage sidings.





Class 37/4 37410 Aluminium 100 draws forward from the carriage washing line with a rake of charter stock.



A unique train for Aberdeen Kirkhill is this pair of Class 37/0s coupled to snowploughs which have worked in from Inverness where heavy snow has fallen.

All the above means that a train arriving on the depot cannot leave straightaway and may well have to wait for another train which arrived before it to be processed before the environmental/maintenance exam can occur. In order to replicate the complexity of this task we set about finding out which trains would have needed to arrive at the depot, the time they would have arrived, the time it would have taken to perform all the tasks and the time the trains would have had to leave the depot to be able to reach the station in time for their next working.

The BR Passenger timetable from Winter 1987/1988 was consulted and additional information from the relevant Working Timetable was then added. Working Timetables are available from a number of sources including a well known auction site on the internet, traders who specialise in railway publications and Working Timetables can also be viewed and copied at the Public Record Office at Kew. This gave us a wonderfully complicated sequence which taxed our brains to the limit, but anyone watching the layout did not necessarily know what was happening or why.

We therefore felt that a general explanation of each move was required, giving details of each train such as the time of arrival/departure, headcode, locomotive type and any other interesting information. The sheets are arranged in what would be hourly intervals. As each sheet is completed it is turned over and the public can read information about the moves in the next sequence hour on one side as the operators read the sequence on the other.

There are a number of interesting trains that we have modelled in order to provide the maximum amount of variation for the public. The push-pull services always generate attention due to their rarity in other parts of the railway network. One of the push-pull services is also shunted to add a sleeping car from an overnight service. The Cross-Country set effectively needs to be turned so that the buffet car is at the opposite end of the train for the next morning's departure. In reality the train is split into three portions and shunted to another siding to swap the position of the coaches.

A charter service in the form of a luxury train which has come from London on a journey around the North of Scotland is included to fill a gap in the sequence and »



A Class 43 HST power car, the first to be fitted with drawgear, ticks over in the yard and a second set arrives for servicing at Aberdeen Kirkhill.





 Class 08 08860's paint has faded dramatically after years of working through the carriage washer. These effects have been reproduced by Glenn Daniel using an airbrush.



 Now in their final years of service, a pair of Class 26s await their next duty outside the carriage shed.

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Above: Inside the wheel lathe shop Class 43 43072 receives attention from the depot fitters.



Far left: At the fuelling point an Intercity liveried ScotRail Class 47/4 is refuelled.



Left: Rows of carriages form the backdrop to push-pull and drawgear fitted Class 43 power car 43123.

provide the excuse to run some steam locomotives, just as ScotRail did in the period. Finally, we have modelled a failed HST set which is dragged in by a Class 47 and has to be shunted so that a replacement power car can be attached.

Rolling stock

All of our locomotives and the majority of the rolling stock is ready-to-run, but each item has been detailed, renumbered and fitted with Kadee couplings. All have been either repainted completely, weathered or both. Graham spent many hours searching for images of as many items of our traction and rolling stock as possible and then Glenn spent almost as many hours with the airbrush, trying to replicate the look.

A number of items are worthy of particular note. One of our depot pilots, 08680, is based on photographs of the real locomotive in Aberdeen at the time we are modelling. As with many Class 08s that made many trips through carriage washers, the BR blue was severely faded. The model actually started out in EWS red. Having been primed in grey, it was airbrushed BR blue, then a mix of BR blue with white was made and the faded areas were airbrushed in. It was finished by adding plain white streaks in certain areas – particularly below hatches and the ends and by dusting the roof with a mixture of roof dirt and black. The side rods also had similar treatment.

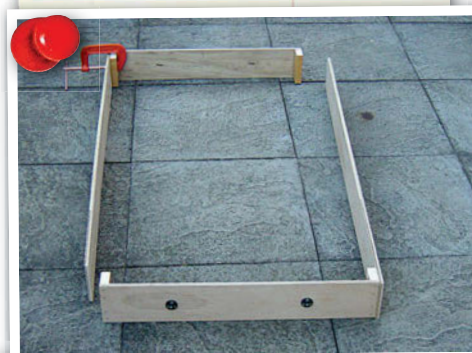
We believe our Mk 2 InterCity Cross-Country rake is very rare in that it consists of five accurately modelled air-conditioned vehicles: four Mk 2E Tourist Standard Opens (TSOs) and a Mk 2D Corridor Brake First (BFK). The only ready-to-run air-conditioned Mk 2s were Mk 2Ds by Airfix/Mainline/Dapol which were available as TSO, First Open (FO) and Brake Open Second (BSO) variants. Mk 2E TSOs differed from their Mark 2D cousins in several respects but the most obvious was that the toilet compartments were on opposing sides at each end. The TSOs were therefore made by 'cutting and shutting' one corner of each TSO by careful razor sawing and then bonding the appropriate sections together. Two of the joins were made below the gutters and behind the gangway so are not obvious. This leaves only one join between one of the toilet windows and a main bodyside window to be filled and smoothed. They were then primed, painted and weathered appropriately.

The BFK was produced in a similar manner except that the first class portion came from an Airfix FO. The brake section of an Airfix BSO was then shortened by reducing the lengths of the deadlight areas followed by bonding and filling as above. A further feature which has been recreated is the accidental incorrect fitting of double glazed window units by interspersing the mostly brown glazing with occasional green tinted windows from early Airfix coaches.

We have six Class 43 HST power cars of which four are Hornby, all being motorised. This enables us to perform shunting moves involving splitting and reforming the sets using the power cars at each end, as in real life. This is made possible by the layout being DCC controlled. One of the remaining power cars

BUILDING ABERDEEN KIRKHILL'S BASEBOARDS

The baseboards for Aberdeen Kirkhill are each 4ft x 2ft and in total six make up the full 24ft length of the layout. The boards are built entirely of 9mm plywood with softwood braces for the corners. The top surface is supported by a framework of four pieces and two cross members. Once complete each board was painted grey both on top and underneath to seal the wood.





Inside the maintenance shed a rake of Mk 2 stock receives attention.

is a Lima dummy and has been fitted with an emergency drawbar which then enables us to haul in a failed HST. Our final power car is a hybrid, being a Lima body on a Hornby dummy chassis. This is modelled on 43123, the first surrogate buffer-fitted Driving Van Trailer power car, converted for push-pull trials on the West Coast Main Line and then subsequently with the Class 91s on the East Coast route, which was being electrified at the time.

The ScotRail Express push-pull rakes comprise three Mk 2 and one Mk 3 set and all use Driving Open Brake Seconds (DBSOs) made by DC Kits. The Mk 3 rake uses Jouef Mark 3A coaches, all being suitably repainted and the Open First has been converted to a composite by combining two interiors. The Mk 2 vehicles comprise a mixture of Airfix Mk 2D air-conditioned and Bachmann Mk 2 non air-conditioned vehicles. ScotRail retained a number of early Mk 2 vehicles from the original Class 27 hauled push-pull rakes. On Kirkhill, there are three of these, all repainted into ScotRail Express livery.



Weathering

The majority of our stock on Kirkhill has been weathered by airbrushing. For the locomotives, the roofs have been sprayed with combinations of matt black, weathered black and roof dirt, with several layers being used to build up a convincing coating of exhaust deposits. The underframes and bodysides are treated similarly, with a combination of frame dirt and black being used to simulate brake dust, oil and fuel staining.

Bodysides were subject to both hand and machine washing, so the dirt build-up is more variable, with more accumulating in the hard-to-clean areas. The technique here is to apply a general layer of acrylic grime using the airbrush. Then using a cotton bud, it is removed either by rubbing dry, or with a small quantity of acrylic thinner. The process is repeated several times to achieve the effect of dirt build-up in the areas required and then a final light layer is applied to represent the most recent day's dirt.

Sustained interest

From the very beginning, Kirkhill hardly seems to have given us a dull moment and although some have been frustrating, it has provided endless entertainment. There is always the chance that a move in the sequence can be missed, causing additional amusement as we try to work around our error. The sequence takes so long to run through that we cannot repeat it more than three times in a typical exhibition weekend, so whilst end-to-end depot layouts are not everyone's cup of tea, the chances of anyone seeing the same thing twice are low.

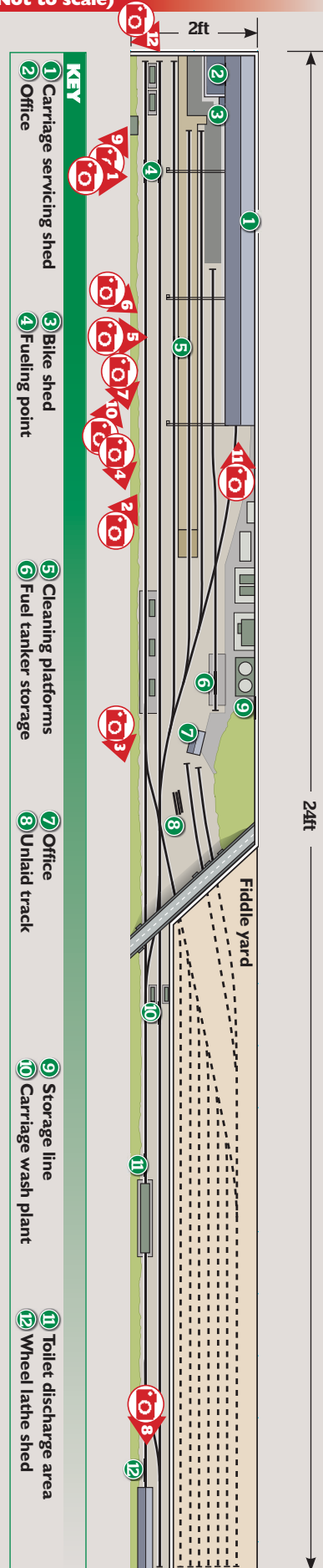
As for next steps, Glenn's long-term ambition is to add automated route setting to minimise operator error during exhibitions, whereas Graham's is to reset the clock to seven years earlier. This would involve changing the stock to include Class 40s, 'Deltics' and Mk I sleepers... though this may require a nice lottery win to do it justice! **Edna**

 Class 47/4 47597 has just arrived with a working from Plymouth. Both locomotive and train will be serviced, examined and refuelled before making their return working.



ABERDEEN KIRKHILL TRACK DIAGRAM

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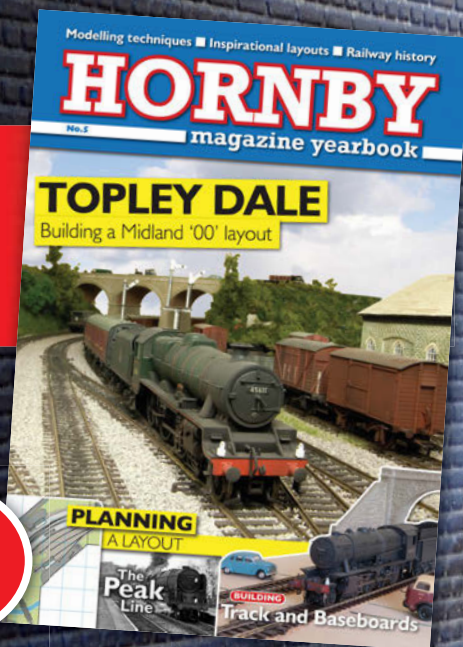
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374416 PL Van BR (SR)	£16.96
374417 PL Van BR Blue	£16.96

DEPARTMENTAL COACHES

374041 BR MK1 BG Brake Olive Green	£TBA
374888 50' Ex LMS Pill BG Van Black	£TBA

BR 4 WHEEL COT VANS

374785 BR Lined Maroon	£16.75
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374786 Tartan Arrow	£16.75
374787 BR Blue	£16.75
374788 Express Parcels Red Star	£16.75

BR PULLMAN COACHES

374200D BR MK1 1 Umber/Cream FP	£20.36
374210D BR MK1 1 Umber/Cream SP	£20.36
374220C BR MK1 1 Umber/Cream FK	£20.36
374230C BR MK1 1 Umber/Cream SK	£20.36

WAGONS

373360 BR MK1 Horse Box Maroon	£11.99
373361 BR MK1 Horse Box Maroon	£11.99
373362 BR MK1 Horse Box (SR) Green	£11.99
373506B 46T HEA Hopper BR	£8.46
373509 46T HEA Hopper BR Bauxite (w)	£8.46
373510 46T Nuclear Flask Wagon	£8.88
373802 100T HHA Bogie Hopper Colas	£25.46
373900E 46T Hopper BR Freight (w)	£11.01
373901C 46T HAA Hopper EWS (w)	£11.01
373902B 46T HAA Hopper Railfreight	£10.16
373827 Steel Strip Carrier EWS (w)	£21.21
377020 5 Plank Steel Floor 'E B Mason'	£6.38
377027C 5 Plank Steel Floor BR Grey	£6.38
377058 5 Plank Wooden Floor 'Fardon'	£6.38
377068 7 Plank 'North Sea Coaling'	£6.76
377077A 7 Plank 'Thomas Styles'	£6.76
377078B 7 Plank BR Grey	£6.76
377085 7 Plank 'Park Lane Wigan'	£6.76
377086 7 Plank 'E & A Shadrack'	£6.76
377095 3 Pack Coal Trader Weathered	£TBA
377096 3 Pack Coal Trader BR (w)	£TBA

377128 8 Plank Wagon G & S Bull	£7.23
377153 8 Plank Wagon 'R W Hill'	£7.23
377176C 7 Plank Coke Rail BR Grey	£7.23
377177 7 Plank Coke Rail 'T L Hale'	£7.23
377186 8 Plank Coke Rail 'Suncoke'	£7.61
377302 20T Ex-LMS Brake BR Bauxite	£8.93
377337 3 Pack BR Bauxite Containers	£25.46
377425 12T Vent Van SR Brown	£8.08
377426 12T Vent Van BR Grey	£8.08
377427 12T Vent Van BR Bauxite	£8.08
377450B 16T Slope Side BR Grey (w)	£7.23
377552B 31T Dropside Open EWS	£12.33
377553 31T Railfreight Red/Grey (w)	£13.18
377558 100T TEA Bogie Tank Green	£TBA
377603 80T GLW Bogie Bolster Dept	£TBA
377625A 12T Vent Van BR Bauxite	£8.08
377626A 12T Vent Van BR Bauxite	£8.08
377627A 12T Vent Van BR Bauxite	£8.08
377628A 12T Vent Van BR Bauxite	£8.08
377750 Midland Brake Van LMS Grey	£11.86
377751 Midland Brake Van BR Grey	£11.86
377752 Midland Brake Van BR Bauxite	£11.86
377765 Covered Hopper BR Bauxite	£TBA
377766 Hopper Soda Ash Light Grey	£TBA
377767 Hopper British Ind Sand	£TBA
377775 12T Pipe Wagon LMS Grey	£TBA
377776 12T Pipe Wagon BR Bauxite	£TBA
377777 12T Pipe Wagon BR Bauxite	£TBA
377803 FNA Nuclear Flak DRS	£24.23
377841 3 Pack 22T Prestilo Blue Circle	£TBA



THE WORLD'S FAVOURITE TRACK SYSTEM



PECO 00 CODE 100 FLEXI TRACK

SL100 25 Yds N/S Wood Sleeper	£64.00
SL100 12 Yds N/S Wood Sleeper	£39.99
SL102 25 Yds N/S Concrete Sleeper	£68.00
SL102 12 Yds N/S Concrete Sleeper	£39.75
SL10 Rail Joiners x24	£2.10
SL11 Insulated Joiners	£2.10
Xuron Track Cut	£14.34

PECO 00 CODE 100 INSULFROG POINTS

SL80 Single Slip	£27.75
SL86 R/H Large Curve Point	£11.50
SL87 L/H Large Curve Point	£11.50
SL88 R/H Large Radius Point	£10.80
SL89 L/H Large Radius Point	£10.80
SL90 Double Slip	£30.25
SL91 R/H Small Radius Point	£8.75
SL92 L/H Small Radius Point	£8.75
SL93 Short Crossing	£7.99
SL94 Long Crossing	£9.25
SL95 R/H Medium Radius Point	£9.55
SL96 L/H Medium Radius Point	£9.55
SL97 Small Y Point	£8.50
SL98 Large Y Point	£10.25
SL99 Three Way Point	£23.75
Underlays	£1.97

PECO 00 CODE 100 ELECTROFROG POINTS

SL86 R/H Large Curve Point	£11.65
SL87 L/H Large Curve Point	£11.65
SL88 R/H Large Radius Point	£9.25
SL89 L/H Large Radius Point	£9.25
SL91 R/H Small Radius Point	£8.75
SL92 L/H Small Radius Point	£8.75
SL95 R/H Medium Radius Point	£9.65
SL96 L/H Medium Radius Point	£9.65
SL97 Small Y Point	£8.85
SL98 Large Y Point	£10.25
SL99 Three Way Point	£23.75
Underlays	£1.97

PECO 00 FINESCALE CODE 75

SL100F 25 Yds N/S Wood Sleeper	£67.50
SL100F 12 Yds N/S Wood Sleeper	£39.00
SL102F 25 Yds N/S Concrete Sleeper	£68.00
SL102F 12 Yds N/S Concrete Sleeper	£37.00
SL110 Code 75 N/S Joiners x24	£2.15
SL111 Code 75 Insulated Joiners	£2.15

SL112 Code 75 to Code 100 Joiners

SL180 Single Slip	£30.75
SL186 R/H Large Curve Point	£10.75
SL187 L/H Large Curve Point	£10.75
SL188 R/H Large Radius Point	£10.75
SL189 L/H Large Radius Point	£10.75
SL190 Double Slip	£34.00
SL191 R/H Small Radius Point	£9.60
SL192 L/H Small Radius Point	£9.60
SL193 Short Crossing	£9.60
SL194 Long Crossing	£10.10
SL195 R/H Medium Radius Point	£10.50
SL196 L/H Medium Radius Point	£10.50
SL197 Small Y Point	£10.50
SL198 Large Y Point	£11.25
SL199 Three Way Point	£23.99

PECO 00 TRACK ACCESSORIES

SL40 Rail Built Buffer Stop	£1.20
SL41 Sleeper Built Buffer Stop	£1.20
SL50 5 Mtr Roll of Track Underlay	£7.60
LK10 Plate Girder Bridge Sides	£3.45
LK11 Truss Girder Bridge Sides	£3.45
LK13 Station Building	£12.75
LK20X Overall Roof	£18.50
LK23 Milk Churns	£2.15
LK24 Picking Cans	£2.15
LK25 Platform Seats	£2.20
LK45 Flexible Field Fencing	£2.75
LK46 Gates & Stiles	£3.60
LK50 Crossing Gates	£4.10
LK55 Turntable	£37.50
LK56 Inspection Pit Code 100	£6.75
LK80 Train Shed	£24.00
LK82 Goods Depot	£8.75
LK83 Signal Box	£8.75

PECO 00 CODE 100 SETRACK

ST100 Starter Track Pack	£51.25
ST200 Standard Straight	£1.25
ST201 Double Straight	£1.95
ST202 Short Straight	£1.00
ST203 Extra Short Straight	£1.00
ST204 Long Straight	£3.05
ST205 Insulating Straight	£2.99
ST220 12 Yds N/S Standard Curve	£1.45
ST221 12 Yds N/S Double Curve	£1.95
ST222 12 Yds N/S Half Curve	£1.20
ST225 2nd Radius Standard Curve	£1.45

ST226 2nd Radius Double Curve

ST227 2nd Radius Half Curve	£1.20
ST230 3rd Radius Standard Curve	£1.85
ST231 3rd Radius Double Curve	£2.40
ST235 4th Radius Standard Curve	£1.95
ST238 Y Point Curve	£1.70
ST240 R/H 2nd Radius Point	£8.25
ST241 L/H 2nd Radius Point	£8.25
ST244 R/H Curved Point	£12.75
ST245 L/H Curved Point	£12.75
ST247 Medium Y Point	£9.55
ST250 Medium Crossing	£7.95
Underlays	£1.97
ST264 Straight L/C Add-On	£3.80
ST266 Curved Level Crossing	£7.50
ST268 Straight Level Crossing	£7.50
ST269 Curved L/C Add-On	£3.80
ST270 Sleeper Built Buffer Stop	£1.55
ST271 Uncoupling Unit	£1.50
ST273 Power Clips	£2.65
ST290 Straight Brick Platform	£4.50
ST291 Straight Stone Platform	£4.50
ST296 Platform Ramps Brick	£3.75
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SL700BH 12 Yds N/S Wood Sleeper	£69.50
SL700BH 6 Yds N/S Wood Sleeper	£36.99
SL786BH Curved R/H Point	£47.75
SL787BH Curved L/H Point	£47.75
SL791BH Medium R/H Point	£37.99
SL792BH Medium L/H Point	£37.99
SL794BH Long Crossing	£40.00
SL797BH Medium Y Point	£37.99
SL10 Rail Joiners x24	£2.10
SL11 Insulated Joiners	£2.10

PECO N CODE 80 FLEXI TRACK

SL300 25 Yds N/S Wood Sleeper	£60.00
SL300 12 Yds N/S Wood Sleeper	£32.99
SL302 25 Yds N/S Concrete Sleeper	£60.00
SL302 12 Yds N/S Concrete Sleeper	£32.99

PECO N CODE 80 INSULFROG POINTS

£3.05	
£2.99	SL386 R/H Curve Point
£1.45	SL387 L/H Curve Point
£1.95	SL388 R/H Large Radius
£1.20	SL389 L/H Large Radius
£1.45	SL394 Long Crossing

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R8247 Point Decoder	£31.99
R8249 Loco Decoder (4 Func NMPA)	£12.50
R8312 E Link & Railmaster Combined Pack	£67.99

DCC SOUND LOCOMOTIVES

R3160X BR 4-6-2 Wincanton	£219.99
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R1173 Western Master E Link	£154.99
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R3003 BR 4-6-0 B17 Barnsley	£105.50
R3003X BR 4-6-0 B17 Barnsley	£121.25
R3004 BR 4-6-0 B17 Serby Hall	£105.25
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R3010 SR Sir Sagamore N15	£119.99
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R3019 BR 4-6-0 Paviland Grange	£102.99
R3016 GWR 2-8-0 2807 Class 2800	£114.99
R3114 BR 4-6-0 B1 Antelope Class	£103.99
R3118 BR 4-6-0 Penrice Castle	£114.99



R3131 LNER A4 Snipe	£115.99
R3159 BR 0-4-4 Class M7 Black	£102.99
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R3166X Knight of the Grand Cross	£121.99
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R3167X BR 4-6-0 Class M7 Black	£121.99
R3187 BR 0-6-2T N2 Class	£71.99
R3188 BR 0-6-2T N2 Class	£71.99
R3189 LNER 2-6-4 Thompson L1	£92.99
R3190 BR 2-6-4 Thompson L1	£92.99
R3191 BR 4-6-0 Duke of Gloucester	£95.99
R3194 BR 4-4-0 Schools Epsom	£106.99



R3195 BR 4-6-2 City of Liverpool	£107.99
R3202 BR 4-6-2 Flying Scotsman	£123.99
R3203 BR 4-6-2 Flying Scotsman	£123.99
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R3207 LNER 2-6-0 'O' of the North	£99.99
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R4353 BR MK1 Comp Choc & Cream	£15.99
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R4521A BR Gresley Non Vest Sub Comp	£31.99
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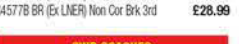
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R4536B BR (Ex SR) Bogie Passenger Brake	£22.99
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R4444A MK3 Western Region Open 1st	£21.99
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R4463B MK2D Intercity Swallow Open	£23.99
R4463C MK2D Intercity Swallow Open	£23.99
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R4544 MK3 Ex Virgin 2nd Open Weathered	£22.99
R4545 MK3 Ex Virgin Buffet Weathered	£22.99



R4546 MK3 Ex Virgin Brake Weathered	£22.99
R4563 MK2D Intercity Open	£21.99

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R4539 Northern Belle Coach Pack	£63.99
R4543A BR Push-Pull Coach Pack	£59.99
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R4582 Pullman Brighton Belle 1960s	£117.50

BR PASSENGER BRAKE

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R4585 BR Blue Scotland	£22.99
R4586 BR Red	£22.99



WAGONS

R6577 Preswick Tarmacadam 4 Pk	£7.99
R6578 Penryn Black Vein Colliery 7 Pk	£7.99
R6579 The Newmarket Co-Op 4 Pk	£7.99



R6581 Morcambe Electricity Dept 4 Pk	£7.99
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R6568 Camrian Wagon Works 21T

R6578 7 Plank Tipping Wagon	£7.99
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R6651 BR 4 Wheel CCT Wagon	£15.25
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R6699 BR 4 Wheel CCT Wagon	£15.25
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R6702 BR 4 Wheel CCT Wagon	£15.25
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R6740 BR 4 Wheel CCT Wagon	£15.25
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R6755 BR 4 Wheel CCT Wagon	£15.25
R6756 BR 4 Wheel CCT Wagon	£15.25
R6757 BR 4 Wheel CCT Wagon	£15.25
R6758 BR 4 Wheel CCT Wagon	£15.25
R6759 BR 4 Wheel CCT Wagon	£15.25
R6760 BR 4 Wheel CCT Wagon	£15.25
R6761 BR 4 Wheel CCT Wagon	£15.25

Factory Back



ground

As the scenery takes shape **PHIL PARKER** refreshes a building he constructed for a previous layout and modifies it to make exhibiting a little more pleasant.

Using buildings to form a backdrop to Clayhanger Yard both sets the scene and provides a visual block to the layout's surroundings. The low relief industrial units are from the Skytrex range of resin castings.



WE'VE SHIED AWAY from pinning down exactly what sort of complex Clayhanger Yard serves other than to simply describe it as industrial. In my mind this involves red bricks and solid buildings that have stood for many years. We're aiming for atmosphere rather than perfect accuracy with this model.

This could involve a lot of time-consuming model making but fortunately there are a few shortcuts. Back in the HM66 issue of Hornby Magazine, I used Skytrex northlight factory ends to construct a 'OO' gauge factory. The same models are also available in 'O' gauge and are intended to produce a quick and realistic background. It means that we only need to do some painting and fix the finished items in place to set the scene.

Talking to fellow modellers, the layout plan developed to include a boiler house. All factories had one before the widespread use of electricity and coal coming in and ash shipping out can provide some useful traffic for the line. While the Skytrex range includes a nice example, we struck lucky by finding a model I built for a Leamington & Warwick club layout over a decade ago on the club second-hand stall. Based on an example at the Midland Counties Hospital that has long since been demolished, I reckoned it would be about the right size for our site.

Trying the model on the layout it looked like a good fit. Despite surviving two clubroom moves and eventually being displaced from the layout into a cupboard, the building was in pretty good condition. Second-hand stalls are an excellent source of old structures which can readily be adapted for new roles and are often available for very little money.

The boiler house would solve a design problem with the model – there is nowhere to hide any of the detritus that builds up during an exhibition. At the very least, the operator will want somewhere to put a cup of tea, mobile phone, spare uncouplers and other bits and pieces that need to be to hand. By making a

hole in the backscene, we can use the hollow building interior for this. It may smack of subterfuge, but little things like this can make a huge difference to the practicality of operating a layout at an exhibition.

Fuelling the fires

If you have a boiler house, you need some fuel. Originally the fires would be powered by coal but in some cases oil will have replaced this. If we wish to use the layout in different periods, being able to swap between the two would be a good idea.

Coal was often – but not always – stored in a nice neat brick built bunker. At Hellingly Hospital, there was an enormous pile of coal apparently just dumped on the ground from wagons. It would be fed to the furnaces by shovel and wheelbarrow. Representing this is easy – some coal intended for model engineers is just piled on the ground. While it will need to be picked up and put back in a bag at the end of the show, attempts to make a movable mound didn't look as good as the simpler, if messier, method.

If you don't have a handy source of coal, I can recommend looking for a model engineering supplier. People who run miniature steam engines use small lumps and it's sold in bags at most model engineering events. A bag will probably last a lifetime for most of us – mine cost £10 a few years ago and most of it is still in the shed. Smaller quantities can be bought too and these will fill many steam engine bunkers. The lump size needs to be reduced with a hammer or pliers for our use. Keep a suitable figure handy to gauge how small the lumps need to be. If your stoker couldn't lift it, break it up some more.

After a few hours' work, we now have a background for half the length of Clayhanger. We are trying to avoid using a painted backscene on the layout, hence the tall buildings. Hopefully they provide the right industrial atmosphere so we can move on to the foreground detailing. 

STEP BY STEP BUILDING A FACTORY BACKDROP

1

Resin castings often benefit from a good scrub in the sink to remove any lingering release agent from the mould. Concerns that the lanolin in washing up liquid will stop the paint from sticking are resolved by rinsing the parts well in water.

2

I built this boiler house over a decade ago for a club layout. It's now surplus to requirements so I bought it back from the club second-hand stall. It still looks good even with the passing of time.



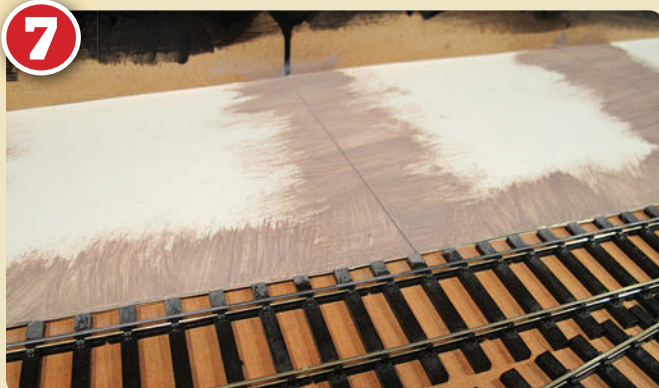
STEP BY STEP BUILDING A FACTORY BACKDROP

3



The building is made from 2mm thick card covered in Slater's embossed plasticard. Even with minimal bracing, the walls are still straight. I removed the one that will be against the backscene and lined the interior with 3mm plywood as it's going to become a cubbyhole.

7



The top layer is divided into sections and the edges sanded to a slight chamfer to represent the concrete panels. Painting these with a darker shade of the eventual top colour emphasises the joins.

11



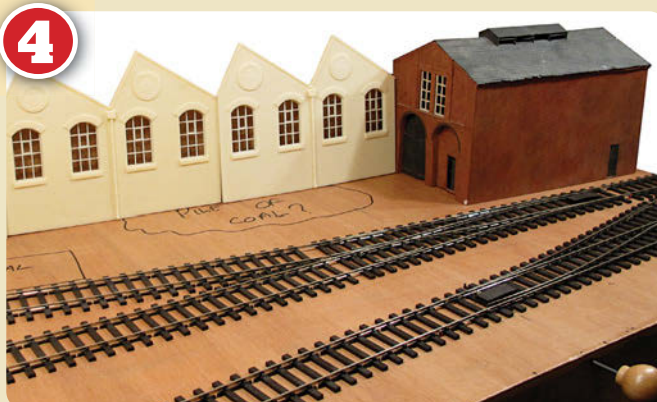
Everything is glued to a hardboard backscene with high-strength PVA glue.

15



Around the base of the buildings, static grass is puffed into place with a Noch puffer bottle. It's simpler to use this for this task than the more expensive electric versions as you can blow the fibres right into corners.

4



Placed on the layout, you can see that the factory ends and boiler house nicely fill the entire 3 1/2 ft length of one baseboard.

8



Painting the resin castings with Humbrol I21 represents the mortar. Bricks are coloured in using pencil crayons. Use several shades of brown to vary the effect, working over each area several times.

12

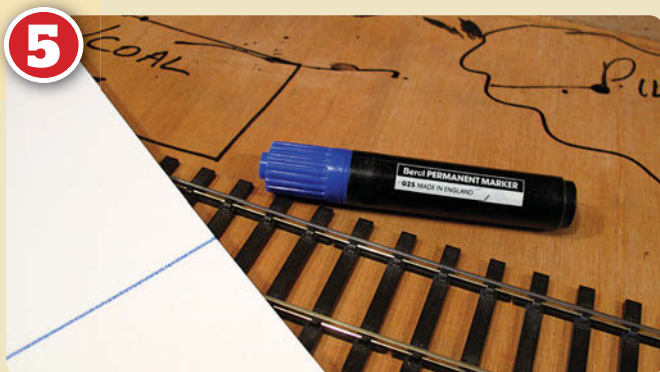


Weathering begins with thin washes of brown acrylic paints applied over everything including the glass. Worked in with a large flat brush at first, the paint should stick in the mortar lines and around the drainpipes. Next, dust the model with brown and grey weathering powders. A little green at the bottom looks like damp brickwork with algae starting to take hold.

16



Real Welsh steam coal bought from a model engineering supplier arrives in lumps too large for a 7mm scale shovel. Squashing the lumps of coal in a pair of pliers is a tidier, if slower, way to reduce the size although you may prefer a hammer.



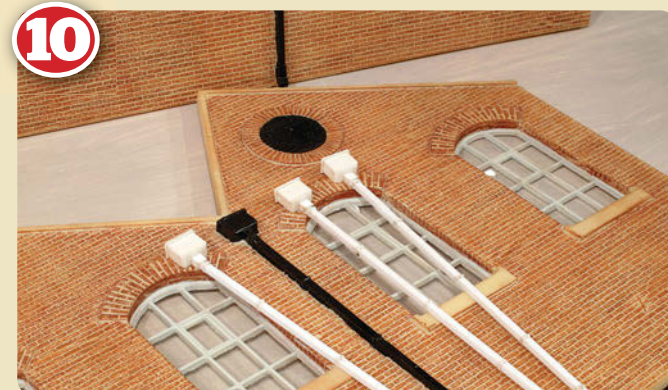
A concrete base is made from a couple of layers of Daler board. To mark the track position, I coloured the railhead in with a felt tip and pressed the card down on it. Then using a pair of compasses following the line, I drew a line outside this of the width of the sleeper ends for cutting.



Two layers of card were stuck down with PVA glue. Piles of magazines on top weigh them down while the glue dries.



Window frames are painted with pale grey (Humbrol 147) rather than pure white. Glazing material is stuck on the back with PVA glue which dries clear if it gets on the visible windows.



Extra drainpipes are required to cover the gaps between castings. These were made from 2mm square plastic section. Brackets are microstrip and the collecting hopper 1mm plastic.



The hardboard backscene is trimmed back to the edges of the building roof with a fine-toothed saw.



A hole in the hardboard backscene support allows access into the boiler house providing vital storage space for exhibition essentials.



SUPPLIERS

Manufacturer: Skytrex
Website: www.skytrex.com
Product: SMRS37 - Brick Single Storey two-bay Northlight warehouse/factory

The mound is built up with a small shovel sold for use with diamonds! Try to imagine that it's been dug out from a wagon and then wheelbarrowed into the boiler house rather than forming a symmetrical pile. Applying diluted PVA on this would fix it in place.



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Black

Dark Green

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Blue Grey

White

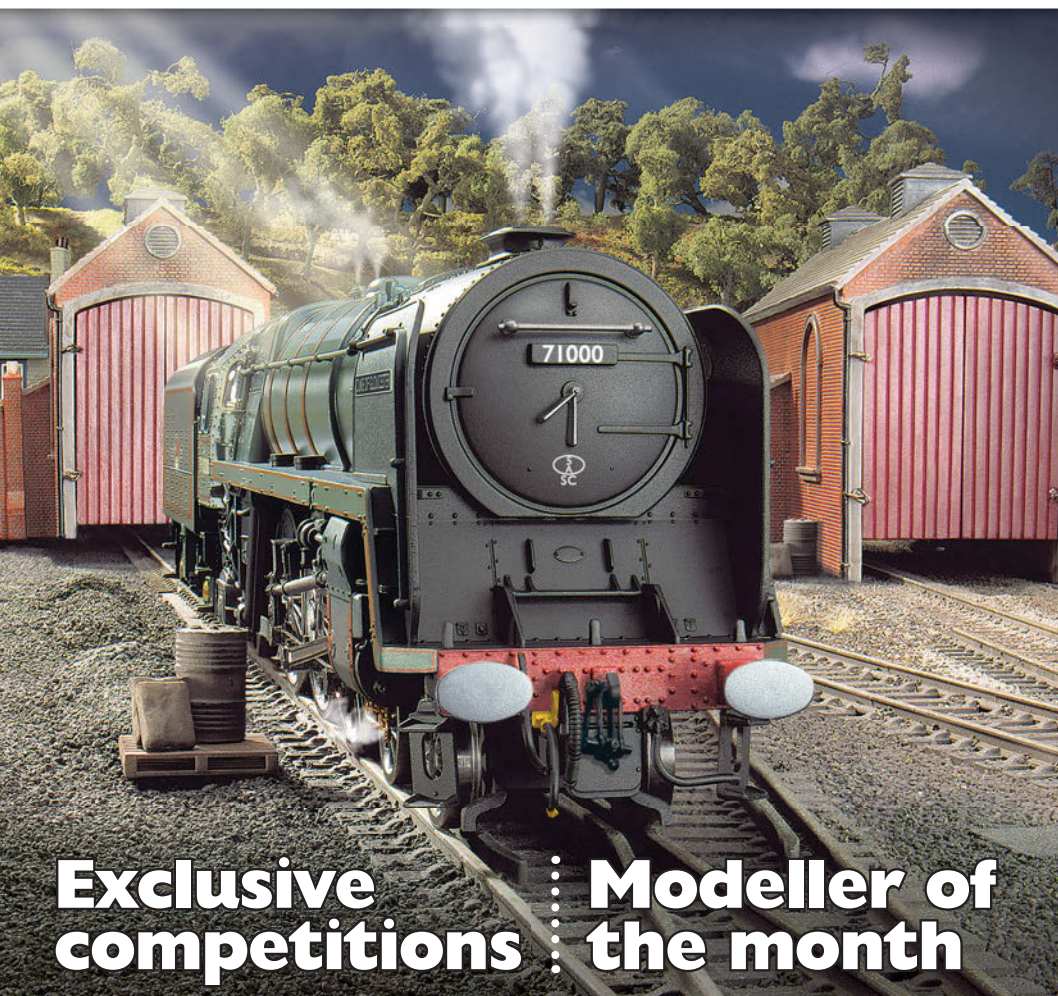
Sand

Dust

Gloss Oil Satin

Rust

HORNBY® **Young modellers** **CLUB**



Exclusive competitions : **Modeller of the month**

By the time you read this, the 'Mallard 75' and the 'Great Gathering' celebrations at the National Railway Museum will be well under way and what an occasion it will be. I would certainly encourage one and all to do what they can and visit the National Railway Museum to see this never to be repeated event. I say never to be repeated but the six 'A4' class locomotives will be together again at the NRM in October for two weeks and then once again in February 2014, however this time at Locomotion, Shildon, after which locomotive LNER 4489 *Dominion of Canada* and locomotive BR 60008 *Dwight D Eisenhower* have to return to their respective museums on the North American Continent.

I am very pleased and proud that Hornby, from the very beginning has been involved with this momentous occasion. It is now nearly two years ago since it was first mooted that the six 'A4s' would be coming together at the NRM. I am sure you are all aware of Hornby's 'Great Gathering' collection of six 'A4' models that make up the 'Gathering' but perhaps not aware that as a company we are a main sponsor of not only the National Railway Museum but also 'Mallard 75', which is not only an honour for us but also a privilege.

For me seeing all six 'A4s' together will bring back happy memories of days gone by, standing on a cold and windy platform at King's Cross looking in awe and marvelling at the superb thoroughbred lines of these magnificent locomotives. What a sight and one I will repeat this July but this time in the relative comfort of the National Railway Museum.

Happy modelling!

Simon Kohler, Hornby Hobbies



Win! **THIS FANTASTIC HORNBY RAILROAD
SR 'SCHOOLS' 925 CHELTENHAM**

EXPERTS ANSWER YOUR QUESTIONS

YOUR QUESTIONS

Let us help you with your modeling problems. E-mail your questions to hornby.magazine@wildcomms.com

Q I have seen in *Hornby Magazine* that Mallard celebrates the 75th anniversary of its 126 mph world record run this year and that the National Railway Museum are holding events to highlight this milestone. Can you buy a model version of the locomotive?

Luke Woodhouse, Oundle

HORNBY MAGAZINE'S DAVE LANE REPLIES:

Yes Luke the NRM are marking the 75th anniversary of *Mallard's* achievement with a series of commemorative events. Titled the 'Great Gathering' the event has brought all six remaining Gresley 'A4' class 'Pacific' locomotives together for the first time in railway preservation history. This remarkable feat has entailed the repatriation of two of the locomotives from North America, *Dwight D Eisenhower* from the USA and *Dominion of Canada* from its namesake country.

Hornby have joined in the celebrations by issuing all six 'A4s' in model form. The locomotives have been produced to represent their current liveries and body styles:



- R3196 *Mallard*, LNER Garter blue livery with full high speed valancing, double blast pipe chimney.



- R3197 *Dominion of Canada*, LNER Garter blue livery with full high speed valancing, single blast pipe chimney, corridor tender.



- R3198 *Union of South Africa*, late BR green livery, valances removed, double blast pipe chimney, corridor tender.



- R3199 *Bittern*, LNER Garter blue livery with full high speed valancing, double blast pipe chimney, corridor tender.



- R3200 *Dwight D Eisenhower*, late BR green livery, valances removed, double blast pipe chimney.



- R3201 *Sir Nigel Gresley*, early 1950s BR express blue livery, valances removed, double blast pipe chimney, corridor tender.



MODELLER OF THE MONTH



Tom Taylor(6)
Scale: 'OO'

My nephew Tom loved 'Thomas the Tank Engine'. We took him to a model railway exhibition when he was four and he was hooked. He has been to every local exhibition ever since. By this time Tom had re-kindled my interest in model railways and in 2011 I started 'Smart Models' and we

started promoting my building kits around the exhibitions. Then Tom said he would like to build a small layout he could take to exhibitions and show other kids. We started 'Tom's Rusty Yard' in November 2012 and he exhibited it for the first time in February 2013 when he was only six. Probably the youngest exhibitor ever.



HORNBY®

Young modellers CLUB



Factfile

Locomotive: SR 'Schools' class V

Designer: Richard Maunsell

Builder: SR Eastleigh Works

Built: 1930-1935

Total Produced: 40

Configuration: 4-4-0



Boiler pressure: 220psi

Cylinders: 3

Tractive effort: 25,130 lbf

Retired: 1961-1962

Disposition: Three preserved

(Cheltenham, Repton, Stowe)

WORD SEARCH

Win!

HORNBY RAILROAD SR 'SCHOOLS' 925 CHELTENHAM



Discover the eight railway related words in the word search

BITTERN
CHELTENHAM
EASTLEIGH
MALLARD

MAUNSELL
REPTON
SCHOOLSCASS
STOWE

Enter our competition to win a SR 'Schools' 925 Cheltenham. Fill in the form below and post your answers to Kirsty Flatt, Hornby Magazine, Key Publishing, PO Box 100, Stamford, Lincolnshire PE9 1NA by August 8 2013.

RULES

Strictly no multiple entries. The winner will be the first correct answer drawn at random immediately after the closing date. There is no cash alternative and no correspondence can be entered into. The competition is not open to employees of Key Publishing or Hornby Magazine. The Marketing Manager's decision is final. The winner will be notified by post and published in HM75. The closing date for entries is August 8 2013. By entering into this competition you agree to Key Publishing Ltd. using your details to advise you of future offers and promotions. Your details WILL NOT be passed on to third parties. Photocopies accepted.

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THE COLLECTOR

The official magazine of the Hornby Collector Club

We would like to offer you the opportunity to become a member of the Hornby Collectors Club.

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*£26 UK, £30 Europe, £32 Rest of world. **This locomotive is only available while stocks last and is not suitable for children under 3 years. It contains small parts and some components have functional sharp points and edges. Handle with care. ***One mystery prize is allocated for every 3 newly referred and processed memberships per active Club member. Mystery prize selection is at Hornby Hobbies Ltd's discretion and subject to stock availability.

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HORNBY
magazine

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KIRKBY STEPHEN WEST - the halcyon days of the Settle & Carlisle when steam reigned supreme and diesels were in their infancy. 4mm scale.

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- * runs Sat only, see web site for details

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Sat 10:00am - 5:00pm

Sun 10:00am - 4:00pm

Advance tickets available from Mon 13th May



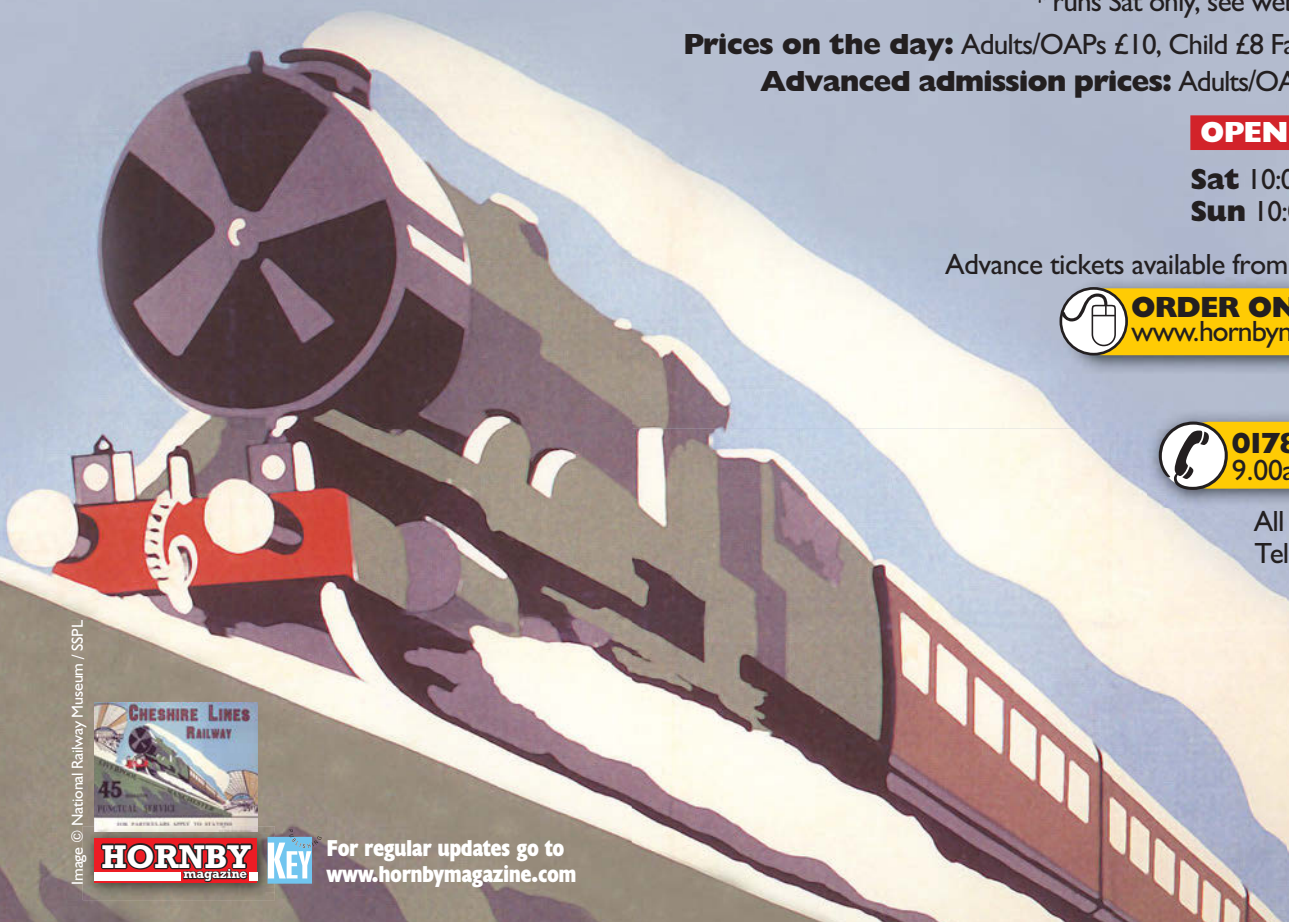
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Bachmann 'Austerity' returns

THE WAR DEPARTMENT 'Austerity' 2-8-0 is a long established part of Bachmann's 'OO' gauge range having been first released in 1999. This month this popular model has been re-released with an upgraded chassis to incorporate a DCC decoder socket.

The 'Austerity', or 'WD', 2-8-0s were designed by Robert Riddles and introduced in 1943-1944. They were built for the Ministry of Supply, but following the end of the Second World War 733 of the 935 built were taken in British Railways stock consisting of 200 ex-LNER 'O7' 2-8-0s which had been bought from the Ministry of Supply and the purchase of 533 further 2-8-0s including 278 which had been on loan to the London and North Eastern Railway (LNER).

The 'WD' 2-8-0s were simple to maintain, rugged and hard wearing. They were classified '8F' and in British Railways ownership they were allocated to the Western, Midland, Eastern, North Eastern and Scottish Regions. In fact the only area of the country not to use the 'WD' 2-8-0s was the Southern Region.

Withdrawals began in 1959 with 90083 and the last was 90682 in 1967. None survived into preservation, but the Keighley and Worth Valley Railway has restored its ex-Swedish Railways Riddles 'WD' 2-8-0 to BR condition and it is in service number 90733. Reality Check in HMII profiled the history of these 2-8-0s.

The model

A large number of 'WD' 2-8-0 models have been released over the years by Bachmann and this new model is of 90448 in BR black with late crests on the tender. It carries a 2F shedcode which was used for Woodford Halse between 1958 and 1963 and Bescot from 1963 onwards. 90448 was allocated to shedcode 2F from 1959-1963 with its final

The imposing lines of the big 2-8-0 are clear in this low three-quarter view.



move being to Doncaster, 36A, from where it was withdrawn in January 1966.

The model features a high level of detail throughout and is very well thought of by modellers. The detail is crisp and well executed marking this out as an extremely fine model for its time. By comparison with the very latest steam models some of the detail is perhaps less refined in terms of fixtures such as lamp irons and rivet head detail, but otherwise excellent. For example it features turned metal safety valves and a

turned metal whistle together with separately fitted wire handrails and fully detailed motion.

An important part of the 'look' of the 'WD' 2-8-0 is the wheels. Again Bachmann has done a fine job of recreating the distinctive wheel pattern of these locomotives including the two hole disc wheels of the front pony truck.

The tender is also correctly appointed with four axles and matches the profile of the real tenders in every way. Separate handrails have been added around the rear of the tender while the coal load is removable to reveal a



With a 21-pin DCC socket in the tender and ample space for a speaker, Bachmann's 'Dub Dee' is set to enjoy a new lease of life. This model of 90448 is fitted with a Bachmann standard 21-pin decoder.



THE DETAILS

Manufacturer:	www.bachmann.co.uk
Cat No:	32-260DC
Description:	'WD' 2-8-0 90448, BR black
Scale:	'OO'
Price:	£147.70
Era:	5
DCC:	DCC on board, 21-pin socket
Couplings:	Small tension lock in NEM pocket on tender



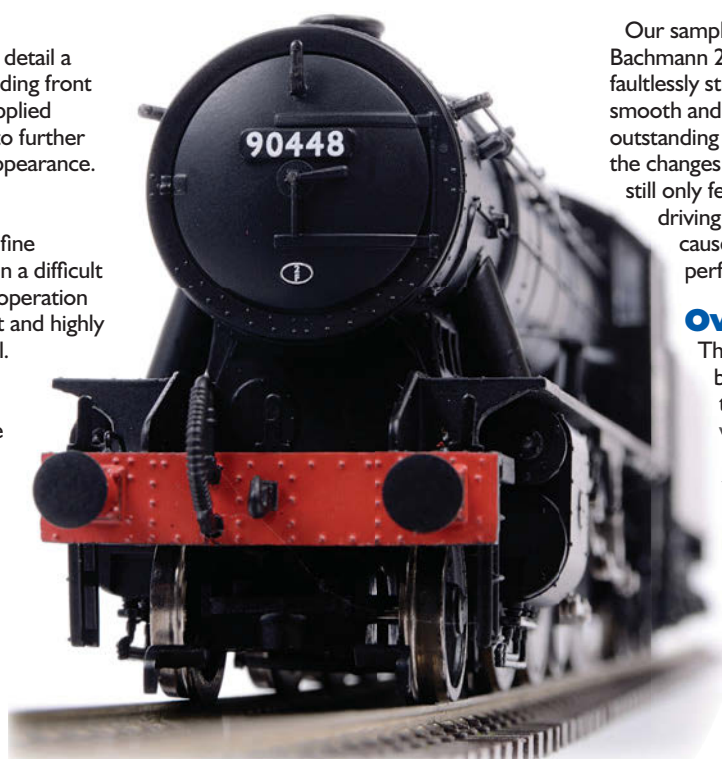
full relief coal space.

To complement the factory fitted detail a pack of addition components, including front steps and bufferbeam fittings, is supplied with the 'WD' to allow modellers to further customise and detail its outward appearance.

Performance

The 'WD' chassis has always had a fine reputation, yet until now it has been a difficult candidate for conversion to digital operation due to the lack of a decoder socket and highly limited space inside the boiler barrel.

However, this new version of the 2-8-0 puts all that to one side. The tender has been modified to feature Bachmann's latest generation adjustable drawbar and beneath this four wires link the locomotive with the tender where a 21-pin DCC decoder socket is located. Inside there is ample space for both a decoder and speaker – in fact Bachmann has redesigned the tender chassis with sound fitting in mind including both a space and pre-drilled holes in the tender chassis for sound to escape from.



Our sample was factory fitted with a Bachmann 21-pin decoder and it operated faultlessly straight from the box offering smooth and consistent speed control and outstanding slow speed operation. Despite the changes to the tender inside the 'WD' still only features electrical pick-ups on the driving wheels, but this proved to be no cause for concern with our sample's performance.

Overall

The Bachmann 'WD' 2-8-0 may be 14 years old, but it still more than holds its own and the new versions with 21-pin decoder sockets will appeal greatly to those with DCC operated layouts. The revival of the 'OO' Riddles 2-8-0 is to be applauded and with interest in heavy freight motive power at an all time high this is a great new release. (MW)

Front end detail is sparse but accurate and captures the 'face' of the 'WD' 2-8-0 admirably.

LIMITED EDITION FALCON



IT WAS SOMETHING of a surprise to discover that it is now six years since Heljan delivered the first versions of its model of Brush prototype D0280 *Falcon* for 'OO' gauge when this new version arrived for review.

However, this model features a different and very short-lived livery variation for the prototype – original lime green and chestnut brown with small yellow warning panels.

Photographs of *Falcon* in this livery are very rare – in fact we only found one showing the locomotive out of use at Brush in 1964. We believe that the small yellow warning panels were applied during 1963 – the locomotive's final year in traffic before a two-year break for a major overhaul.

Heljan's model of *Falcon* is a winner in our books with terrific attention to detail throughout, accurate modelling of the

bodyshell and underframe equipment and neatly produced detail fittings for the bufferbeams. From the factory both bufferbeams feature a full complement of pipework, but replacement bufferbeams without fittings are supplied so tension lock couplings can be installed in the NEM pockets on the chassis.

Completing the model is the superb mechanism and motor used by Heljan. This

READER REVIEWS

Wills point rodding for 'OO' gauge

New from Wills is this pack of much-needed point rodding components which add cosmetic authenticity to model track formations.

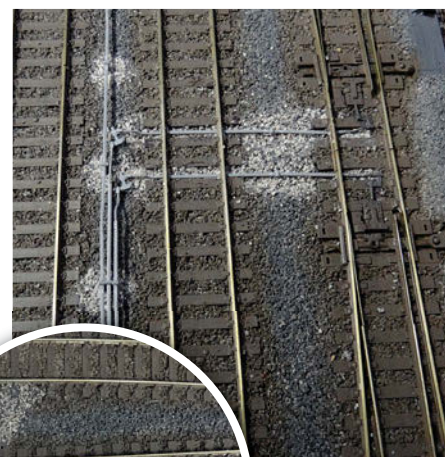
All the moulded parts have an excellent look about them and with care can be removed from the sprues with ease. Wills recommends that the rodding is added before ballasting but like me many readers will already have ballast in place. I began by 'digging up' between sleepers and in small places beside the track to site the rodding and roller bearing brackets. With no ballast in place the bracket height is 'right' at baseboard level provided the track is also at baseboard level.

Take a bit of time to carefully examine the simple but adequate instructions and diagrams provided and only cut pieces off the sprues when needed. Some careful trimming will still be needed to get the joins exactly right so

keep testing the fit of components before final assembly.

With my installation I then went a step further by fitting two other points on the next adjacent track with appropriate rodding. This required me to pass the rods between the sleepers and under the rails of the first track, then crank them at right angles to run alongside the rodding just completed. This made a very effective looking run of three side by side. Again, some careful trimming will be needed so keep testing by configuring the pieces before gluing.

Wills' new point rodding is a wonderful and much needed addition to the range of trackside accessories. Naturally the parts are small, but with care and patience they can be used to bring together a much more realistic and complete look to railway lines. (RL)



Wills new 'OO' point rodding kits adds a whole new dimension to the appearance of trackwork.

THE DETAILS

Manufacturer:	www.heljan.dk
Cat No:	5307
Description:	Brush Class 53 D0280 Falcon, lime green and chestnut brown
Scale:	'OO'
Price:	£119.95
Era:	5
DCC:	DCC ready, 8-pin socket
Couplings:	Small tension locks in NEM pockets



locomotive weighs in at just shy of 600g giving it enough capacity to handle a 10 coach train (and more!) with ease. Throughout the speed range with both DC and DCC control we found this sample to be smooth and quiet.

All in all the release of this new version of D0280 Falcon is a bold decision, but only 250 models have been produced by Heljan in this livery meaning they are likely to sell out quickly. (MW)

DCC fitted colour light

New from Train-Tech is this DCC fitted colour light signal for 'OO' gauge. Based on prototypes near the manufacturer's base in Norfolk, this twin light red-green signal has been designed with a lot of consideration for different types of installation.

The signal itself is supplied pre-assembled but with an additional sprue of components to assemble the ladder and cage to the rear of the signal post. Comprehensive instructions, both written and illustrated, are provided for these components and even a sheet of location board labels is provided within the instructions and suggestions for how to make the most of them.

As supplied the signal has a pair of contact arms designed to be a snug fit onto set track components with power clip slots. However, it can also be hardwired using separate contacts at the base end of the contact fingers allowing the model to be used with any type of track.

Train Tech has also equipped the signal with smart addressing which allows the decoder to learn its address and it is also capable of being linked with points and other signals to offer a degree of automation, as per the real railway. The



decoder with the signal is compatible with all DCC systems as well as Hornby's RailMaster computer software.

This is a clever piece of equipment which is highly flexible in its use and installation making it valuable to any modeller producing a diesel era layout with colour light signals and DCC control. (MW)

THE DETAILS

Manufacturer:	www.train-tech.com
Cat No:	DS1
Description:	Stop signal, red-green
Scale:	'OO'
Price:	£24.00
Era:	6-9
DCC:	DCC fitted

Happy shoppers!



German manufacturer Noch produces an impressive range of figures in 'HO' scale, many of which are suitable for use on 'OO' gauge layouts. Amongst the latest releases is this collection of shoppers ideal for populating busy street scenes and stations. The people are dressed in brightly coloured clothing and would benefit from a light wash of thinned black paint to help tone them down. Otherwise these are useful figures for layouts set in more recent times. (MW)

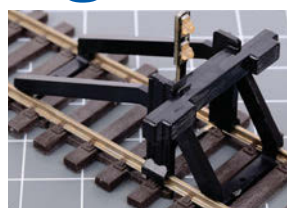
THE DETAILS

Supplier:	www.gaugemaster.com
Cat No:	15518
Description:	Shoppers
Scale:	'HO'/'OO'
Price:	£8.75
Era:	7-9



Bufferstop light kit

Gaugemaster has joined forces with Train-Tech to produce a complete kit containing a Gaugemaster bufferstop and Train-Tech's bufferstop lamp (HM170). This complete kit brings together all that is needed to add a working bufferstop lamp to the end of a siding and, as per the solo bufferstop lamp kit, the product with this kit simply clips to the track and requires no wires. It will operate with DCC or analogue control. (MW)



THE DETAILS

Manufacturer:	www.gaugemaster.com
Cat No:	GM55
Description:	Bufferstop and light kit
Scale:	'OO'
Price:	£6.95
Era:	8/9

D0280 *Falcon*

Built in the early 1960s as a contender for British Railways' new standard design for a Type 4 diesel-electric locomotive *Falcon* was destined to have a short life, but has since gained almost iconic status. **EVAN GREEN-HUGHES** examines the history of this unusual locomotive.

EARLY DIESEL LOCOMOTIVES used on British Railways were ponderous, underpowered beasts. The English Electric Class 40s and Derby Works Class 44-46s used much of their energy just to haul their own 130ton plus weight around. That same weight also dictated that they had to be carried on 16 wheels so that the axleload could be brought within the civil engineer's requirements. Able to apply at best 2,000hp to the rail these machines also did not deliver sufficient power to allow any acceleration or improvement in train timings over the steam locomotives they were replacing.

Accordingly towards the end of the 1950s British Railways began to draw up a specification for what it hoped would become a new standard design of diesel. This locomotive was to be some 30tons lighter

than existing designs and more powerful too, developing in the region of 750hp more than the Class 40s.

This substantial reduction in weight would enable it to be carried on two six-wheel bogies, dispensing with the carrying wheels which had been fitted to the earlier types. Overall length was to be reduced, and wherever possible reference was to be made to the recommendations of the British Railways design panel, which was beginning to influence the look of new locomotives and rolling stock.

Several manufacturers were made aware of the project and of these English Electric, the Birmingham Railway and Carriage Company (BRCW) and Brush expressed the most interest with all three eventually producing prototypes for evaluation.

After overhaul at Swindon in 1970 *Falcon* emerged in BR blue and with air brakes. In the early 1970s, and now numbered 1200, *Falcon* pauses at Newport, South Wales, with a rake of 21ton mineral wagons. [Rail Online](#).



6 FALCON FACTS

- 1 The locomotive's original number, D0280, reflected the Brush works number 0280.
- 2 *Falcon*'s original livery was unique featuring a main body colour of lime green offset with chestnut brown.
- 3 *Falcon* had the same engines as fitted to the 'Western' diesel-hydraulics.
- 4 It was named after the Brush Falcon Works in Loughborough.
- 5 In its early service days it was always accompanied by Brush engineers.
- 6 During trials on the Lickey incline the comparative steam locomotive, an 0-10-0 banking engine, stalled during the early stages and was roundly defeated where *Falcon* succeeded.



Following overhaul in 1965 *Falcon* returned to service on lease to the Western Region of BR. In April 1967 D0280 stands at Bristol Temple Meads with 1A22 for Paddington wearing its new coat of BR two-tone green with small yellow warning panels. [Mike Jefferies/www.railphotoprints.com](http://www.railphotoprints.com).

Integral construction

Brush Traction believed BR's requirements could be best met by producing a locomotive with a body which itself provided some of the strength rather than using a separate chassis and body as had been the previous practice. This would save the weight required. The power was to come from two lightweight high-revving engines rather than the large single slow-revving types preferred to that point, resulting in a lighter, more compact and powerful locomotive.

Work on a prototype, which was to become *Falcon*, commenced in December 1960 at the Brush Works at Loughborough in the same shop which had been used to construct the Class 31s. The stress-bearing bodywork was designed in conjunction with staff from Brush's

sister aircraft company, Hawker-Siddeley, which ensured that there was maximum strength for the minimum of materials and this eventually produced a body structure which weighed in at 21.5 tons, considerably less than had been achieved before.

This body was mounted on two bogies similar to those of the Class 31s but uprated to take the additional traction motors supplied by Brush itself and which were also in fact similar but uprated versions of those used on the Class 31.

The engines selected were 12-cylinder Maybach MD655s which were also being installed in the diesel-hydraulic 'Westerns' then under construction by British Railways at Crewe and Swindon. These were originally to have been set so that they produced 1,440hp each, but this was later modified so that they

produced 1,350hp, the same as the 'Westerns'.

Each engine drove its own generator and auxiliary generator, again supplied by Brush. Electric power was for train propulsion only, there being no provision for electric train heating. Instead a steam heat boiler was fitted. *Falcon* was equipped for working vacuum-braked trains only.

Striking appearance

The completed locomotive, finished in lime green livery, weighed in at 115 tons, giving it an axle load of 19.1 tons, a little heavier than was achieved with the other contending prototypes, BRCW's *Lion* eventually achieving 19 tons and English Electric's *DP2* 17.5 tons, but nevertheless in line with the parameters which British Railways had set.

FALCON FIGURES

Number:	D0280 (later 1200)
Route availability:	7 (later 6)
Introduced:	1961
Withdrawn:	1975
Wheel arrangement:	Co-Co
Engine:	Two Maybach MD655
Cylinders:	7.28in x 7.88in
Horsepower:	2,880hp
Main generator:	Brush
Traction motors:	Brush
Train heating:	Steam – Spanner Mk 3
Brakes (locomotive):	Air
Brakes (train):	Vacuum (later air)
Brake force:	59tons
Maximum tractive effort:	60,000lbs
Length:	68ft 10in
Width over cabs:	8ft 10in
Weight:	115tons
Wheel diameter:	3ft 7in
Maximum speed:	100mph
Fuel capacity:	850gallons
Boiler water tank:	1,440gallons
Number built:	1



D0280 stands inside Swindon Works in May 1965 receiving attention from fitters. [Rail Online](#).



Capturing the locomotive in the final years of service, 1200 Falcon departs Swindon with a passenger working on March 22 1972. [Rail Online](#).

Following testing on the works track *Falcon* ran to Chinley in Derbyshire and back to Brush's home town of Loughborough a number of times hauling empty coaching stock before being taken to Doncaster Works for acceptance tests, which were completed in October 1961.

Following acceptance it was then transferred to Finsbury Park depot where it undertook comprehensive trials while being used on service trains. Its first revenue-earning run was on October 16 when it hauled the 6.52am King's Cross to Cambridge service, making two trips there in the same day. Two days later it was used on a King's Cross to Hull express diagram as far as Doncaster. However, before the end of the month it had to make a brief return to Brush due to an electrical fire in one of the cab heaters. It then remained at Finsbury Park until November when it was transferred across to the Great Eastern sector for use on services to East Anglia.

There it was used for services between Liverpool Street and Norwich as well as for a number of freight turns between Norwich and March Yard but its stay was brief, for one month later, it moved on again, this time to the Western Region where it was to be tested on the notorious Lickey Incline with its formidable 1-in-37 incline which had seen banking locomotives stationed at Bromsgrove throughout the steam and earlier diesel era.

There a train of 18 coaches plus a dynamometer car was assembled totalling 628tons which *Falcon* was able to start, even on the steepest parts of the incline. Subsequently the locomotive was run at its maximum speed of 100mph while hauling a train of 273tons. The following week *Falcon* tackled the Devon banks and was able to take 527tons up the 1-in-38 Dainton incline with ease.

Its 1962 and D0280 *Falcon* is in service on the East Coast Main Line at the head of 1G61 as it races North through Hadley Wood on August 5 bearing its striking, and unique, lime green and chestnut brown colour scheme. [Geoff Plumb](#).



Following extensive testing the locomotive was returned to Brush works in March for inspection and subsequently emerged with cast metal nameplates and crests. It then went to Sheffield Darnall shed where it was used on the 'Master Cutler' and 'Sheffield Pullman' prestige services with much success, covering around 3,000 miles a week at this period. Later in 1962 it was trialled on freight duties, making several trips a day with coal trains of up to 1,800tons. Throughout this period it was giving good reliability and by the end of 1963 had amassed around 125,000 miles.

A lone example

With the successful trial period over *Falcon* went back to its maker's works where it was to remain for a year. By this time British Railways had decided against the use of multiple high-revving engines and instead had gone for an uprated version of the power unit earlier fitted to the Derby style 'Peaks' contained within a *Falcon*-like body, a design which was to become the Class 47 and many of which were to be built by Brush, so the locomotive was always destined to be a one-off. However as it was far from being life-expired an agreement was reached with British Railways for it to be leased

for use on the Western Region and it was given an overhaul in January 1965, emerging in a new livery of two-tone green with small yellow warning panels but retaining its original number of D0280.

Until 1968 the locomotive put in adequate performances, although reliability was never as good as had been hoped for, but by that time its lack of train air brake equipment was becoming a serious issue. As a result British Railways agreed to purchase it outright and fit air brakes at its own expense and this work was done at Swindon between April and December 1970. *Falcon* duly emerged from Swindon painted in BR corporate blue, complete with full yellow ends and renumbered 1200.

More work on the Western, mainly on Paddington-Bristol diagrams, followed but by 1973 *Falcon*'s lack of electric train heating meant that it could not be used with the new Mk 2 coaches then being placed into service. Consequently it was transferred to South Wales for freight duties, initially at Cardiff Canton and later Ebbw Vale Junction where it was to gain celebrity status working iron-ore trains.

Terminal failure

Unfortunately on October 5 1975 one of the

traction motors was damaged and *Falcon* was taken out of service, never to be repaired. After a period of storage it was towed away to Cashmore's yard at Newport where it was scrapped within days.

There were efforts to try to save *Falcon* and one preservation group offered a considerable sum of money for it but bizarrely a clause in the purchase agreement between British Railways and Brush prevented it being sold as a complete locomotive and therefore the preservation attempt failed.

Despite its untimely demise *Falcon* had a profound impact on the design of the standard Type 4 with many of its features being incorporated into what became the Class 47 and, had British Railways not decided so firmly against high-revving engines, it may well have led to volume production.

The circumstances of its disposal and the last-minute but sadly abortive preservation attempt have given it something of a status as 'one that got away' and certainly had it survived it would have been a most interesting addition to the heritage world of today. *Falcon* is destined to only live on in model form but its interesting history will ensure that it will be remembered by enthusiasts for many years to come. 



GWR QUARTET



THE DETAILS

Manufacturer:	www.bachmann.co.uk
Cat No:	32-218
Description:	GWR '57XX' 0-6-0PT 8709, Great Western green
Scale:	'OO'
Price:	£73.95
Cat No:	32-203A
Description:	GWR '8750' 0-6-0PT, BR black, weathered
Scale:	'OO'
Price:	£80.95
Cat No:	32-127B
Description:	GWR '45XX' 2-6-2T 4555, Great Western green
Scale:	'OO'
Price:	£84.95
Cat No:	32-129A
Description:	GWR '45XX' 2-6-2T 4545, BR black
Scale:	'OO'
Price:	£84.95
Eras:	3, 5, 3 and 4 respectively
DCC:	DCC ready, 8-pin socket
Couplings:	Small tension locks in NEM pockets

ARRIVING IN THE SHOPS this month from Bachmann are four new versions of two of its popular GWR tank engines – the GWR 0-6-0PT and 2-6-2T. The locomotives are '57XX' 0-6-0PT 8709 in Great Western green, '8750' 0-6-0PT 4680 in weathered BR black, '45XX' 2-6-2T 4555 in Great Western green and '45XX' 2-6-2T 4545 in BR black.

These classes were mainstays of GWR and WR branch lines, and were equally important on main and secondary routes employed on stopping trains, pick-up goods and, in the case of the 'Panniers', shunting work.

Bachmann's models of these three classes

have been available for several years now, but even so they are still fine products which sit comfortably alongside more recent offerings. The only real giveaways of their relative tooling age is, in the case of the 'Panniers', the lack of lamp irons and in the 'Small Prairie' the size of the same component being somewhat more substantial than current moulding techniques allow.

Even so, other areas of these useful models have been brought up to date. Each locomotive is fitted with an 8-pin DCC socket and there is ample room inside to fit a decoder. Similarly the running quality of the chassis in each of these samples was first class, just as we expect from

Bachmann. All four locomotives performed smoothly and quietly throughout the speed range straight from the box with the 0-6-0PTs and 2-6-2Ts proving capable of hauling a five

coach train of Mk 1s with ease – more than enough for locomotives which would normally be taxed

with two or three coaches at the most.

The '57XX' 0-6-0PT is finished as 8709 and it carries Great Western green livery which is detailed with brass painting of the safety valve bonnet, whistles and cab window frames. The cabside numbers are printed neatly in typical GWR style. Next in line is BR black liveried '8750' 0-6-0PT 4680 which is fully weathered straight from the factory. On the whole this is done well – the weathering is subtle in both its application and colour choices.

Meanwhile the '45XXs' are finished to the same high standards as the 'Panniers', although it appears that the bufferbeam numbers on the Great Western liveried version, 4555, were printed too high on our sample when they should have been central on the bufferbeam to judge by most of the images we looked at. The BR black version is the first time we believe this model has been available in unlined BR black with early crests. This is neatly applied with fine printing of the cabside numbers and BR early crests.

All in all these are great additions to Bachmann's range of steam locomotives and, in particular, its catalogue of GWR tank engines. All four will be popular additions and rightly so. (MW)



Scenecraft rail over road bridge

This attractive structure is more than just good looking – it's clever! Designed as a railway over road bridge this new 'OO' gauge structure from Bachmann's Scenecraft range can be adapted to different scenarios.

The bridge is supplied as a set of nine separate resin castings with etched brass rails on the girder sides. This allows the bridge to be set up at a range of angles as well as straight giving the modeller the greatest flexibility we've seen yet in a ready-made bridge.

The deck is only suitable for a single track and, being designed primarily as a rail over road bridge, the deck height is too low as supplied to put a railway line beneath. However, with a little work with brick plastic card the bridge height could soon be increased.

This neatly designed bridge looks fantastic too – finished in blue engineering brick to a very high standard it will be a great addition to a railway scene. Perhaps if this single track version is a success, Bachmann will consider a double track model too? (MW)



THE DETAILS

Manufacturer: www.bachmann.co.uk

Cat No: 44-152

Description: Railway over road bridge

Scale: 'OO'

Price: £44.95

Era: Any

Elegant and flexible, Bachmann's new rail over road bridge for 'OO' gauge looks set to be a winner.

BRUTEs from Bachmann

Bachmann has introduced a new ready made model of the British Railways universal trolley – or BRUTE as they are more commonly known – for 'OO' gauge. Introduced in 1964 by the Western Region and built at Swindon Works these platform trolleys were designed to speed up handling parcels and goods carried by rail. Their use ended as late as 1999.

Bachmann's new model captures the overall look and shape of the BRUTE in a one piece plastic moulding. The four pack is neatly finished in traditional blue with the wheels picked out in black. For those looking to enhance the appearance of a busy main line station from 1964 onwards these new BRUTEs will be an ideal choice. (MW)



BRUTE by name... but these little models are simply fine reproductions of the famous parcels trolley.

THE DETAILS

Manufacturer: www.bachmann.co.uk

Cat No: 44-517

Description: BRUTE trolleys

Scale: 'OO'

Price: £7.95

Era: 5-9 (1964-1999)

THE ERA SYSTEM

Era 1	1804-1875 – Pioneering
Era 2	1875-1922 – Pre-Grouping 1
Era 3	1923-1947 – The Big Four: GWR 2, SR 3, LMS 4 and LNER 5
Era 4	1948-1956 – British Railways Steam Era (early crest)
Era 5	1957-1966 – British Railways (late crest)
Era 6	1967-1971 – British Rail Corporate (pre-TOPS 6)
Era 7	1971-1982 – British Rail Corporate Blue (post-TOPS 6)
Era 8	1982-1994 – British Rail Sectorisation
Era 9	1995 onwards – Post privatisation

NOTES

1. The pre-grouping era preceded the grouping of Britain's railway into four main operators.
2. GWR: Great Western Railway
3. SR: Southern Railway
4. LMS: London Midland and Scottish Railway
5. LNER: London North Eastern Railway
6. TOPS - Total Operations Processing System adopted when British Rail introduced a computerised numbering system in 1971 for its locomotives and rolling stock. Locomotives were renumbered into classes which formed the first two digits of each number.

Weathered look for Bachmann 'Deltic'

WEATHERED locomotives and rolling stock are in vogue with ready-to-run manufacturers and nowhere is that more prominent than in the Bachmann catalogue. This new release of the manufacturer's English Electric Type 5 'Deltic' is the latest to be released in a dirty state.

This particular issue of the 'Deltic' differs in that it models D9011 in its original condition prior to naming. D9011 entered traffic at Gateshead in August 1961 carrying BR two-tone green, but without yellow warning panels, as depicted by this model. It was later named *The Royal Northumberland Fusiliers* at Newcastle station in May 1963.

The livery has been applied to this 'Deltic' to Bachmann's high standards and it features crisp edges between all body and roof

THE DETAILS

Manufacturer:	www.bachmann.co.uk
Cat No:	32-529B
Description:	'Deltic' D9011, BR two-tone green
Scale:	'OO'
Price:	£97.50
Era:	5
DCC:	DCC ready, 21-pin socket
Couplings:	Small tension locks in NEM pockets

colours plus clear printing of the locomotive numbers and BR crests. The weathering effects are two-tone with black from the roof down and brown frame dirt from the ground up. Our sample was well done on

the whole, although an almost 'clean' line had developed between the brown and black colouring.

In terms of performance our sample was utterly faultless, running smoothly and

BR Mk I 'sleepers' arrive for 'OO'

Expanding the already impressive range of BR Mk I carriages from Bachmann for 'OO' gauge is this brand new tooling for the Mk I sleeping carriage. In total 380 were built by BR and Metro Cammell between 1957 and 1964 covering both First and Second class vehicles.

The sleeping carriages used the standard BR Mk I 63ft underframe and body design, and featured a side corridor which lead to 11 compartments. First Class coaches slept 11 while Second Class vehicles had capacity for 22 with two fixed beds, one above the other, in each compartment.

Initially the sleeping coaches were turned out with standard B1 bogies, but these were later replaced with better riding double bolster B4 bogies. Some vehicles were built from new with Commonwealth bogies.

Bachmann is releasing both first and second class liveried models of its new Mk I sleeping

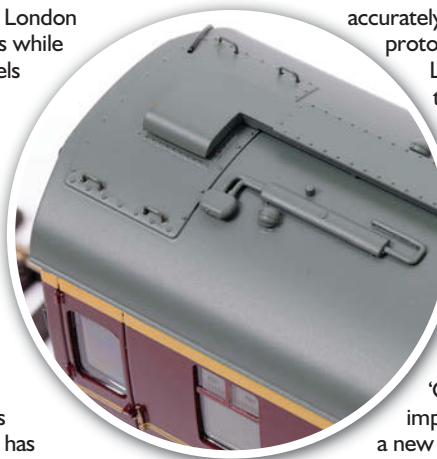
coach in a choice of BR lined maroon or BR blue and grey liveried. The BR maroon versions are finished as London Midland Region vehicles while the blue and grey models have Eastern Region prefix letters to their numbers.

The chassis for the sleepers is based on that of previous Mk I carriages from Bachmann and features turned metal wheels in suitable bogies and NEM coupling pockets with small tension locks fitted. The underframe has also been detailed with the correct components for the sleeping cars.

The body profile meanwhile also looks spot-on and the window and door arrangement accurately follow that of the prototype vehicles.

Livery decoration is up to Bachmann's usual high standards and including fine straw-black-straw lining on the maroon version and fine white lining around the grey section of the BR blue and grey model.

The addition of the Mk I sleeping carriages to Bachmann's 'OO' gauge range is an impressive choice as it allows a new range of train formations to be reproduced. Excellent all round and available now. (MW)



Wooden pallets from Faller

Simple but effective and sure to find a home on many layouts in goods yards and as wagon loads.

New from Faller is a pack of 12 wooden pallets. Moulded in plastic and attached to sprues in sets of six, these little models are produced to a high standard and feature excellent detail. Before adding to a layout they need painting to make the most of the grain texture in the moulding. We painted ours by spraying them with grey primer and dry brushing with Lifecolor's weathered wood acrylic paints to give them a worn, aged look. (MW)

THE DETAILS

Supplier:	www.gaugemaster.com
Cat No:	180904
Description:	Pallets
Scale:	'HO'/'OO'
Price:	£3.95
Era:	4 onwards





effortlessly throughout the speed range at the head of an eight-coach train. A 21-pin DCC decoder socket is fitted into the model and there is also provision for a speaker in the chassis block for those

planning on DCC sound. Directional headcode and tail lights are also fitted as standard.

For those modelling the early years of the 1960s on the East Coast Main Line

this new 'Deltic' will be a tempting choice, and rightly so as it captures a period not regularly touched by ready-to-run models of these legendary 3,300hp express locomotives. (MW)

THE DETAILS

Manufacturer: www.bachmann.co.uk

Cat No: 30-500 (First Class, BR maroon M2002)

Cat No: 30-503 (Second Class, BR blue and grey E2575)

Description: BR Mk I sleeping carriage

Scale: 'OO'

Price: £28.95 each

Era: 5 and 7 respectively

Couplings: Small tension locks in NEM pockets



HORNBY GWR SHUNTERS TRUCK ARRIVES

ARRIVING JUST AS this issue of *Hornby Magazine* closed for press were the first of Hornby's new GWR shunters trucks.

The GWR first introduced the shunters truck in 1895 with further batches and diagrams being constructed over the next 45 years with the last built in 1940. Some of the shunter's trucks remained in service into the 1970s for use with Class 08s with one of the last known operational examples being used at Fowey Docks, Cornwall, into the 1980s. Several have been preserved.

Hornby's new model represents a diagram M4 type wagon built between 1917 and 1938. The two BR liveried versions, vehicles 94980 and 94955, are amongst the last to be built by the GWR and feature sloped handrails. The

model itself is beautifully finished in GWR grey with white lettering and handrails. The floor of the wagon is painted in brown to represent the wooden planking of the prototype. The numbering and lettering is very finely produced throughout and fully legible.

In terms of the model, and considering it is only 67mm long over the buffers, there is an awful lot of fine detail to take in. The lower footboards are separately fitted together with the handbrake lever and handrails. Lamp irons are impressively fine at each end and a dummy coupling hook is also installed in the bufferbeams. Buffers are fixed items. The toolbox in the centre of the wagon looks spot on and really captures the appearance of these distinctive shunting vehicles.

Hornby has done a top notch job in

THE DETAILS

Manufacturer: www.hornby.com

Cat No: R6642/R6642A (GWR versions), R6643/R6643A (BR versions)

Description: GWR shunters truck, GWR or BR grey

Scale: 'OO'

Price: £10.95 each

Era: 3 (GWR), 4/5 (BR)

Couplings: Small tension locks in NEM pockets

producing this model and whether you choose to couple the new shunters truck in front or behind a suitable locomotive, it will add a touch of nostalgia and authenticity to operation of a Great Western or Western Region layout. (MW)



**FIRST
REVIEW**



NYE Lubricants

From Newgate Online is this box of NYE Lubricants products, which are new to Europe, containing two types of synthetic oil and one grease suitable for use in lubrication of model geartrains and bearings. The kit contains a light oil, heavy oil and a plastic compatible grease.

The two oils are specially formulated with the light oil being specifically designed for plastic-on-plastic applications and the heavy oil being designed for metal-on-metal applications. The two oils are noticeably different and we found both to be good at their job during our available testing time.

The synthetic grease contains numerous

THE DETAILS

Manufacturer: www.newgateonline.com

Cat No: Hobby Lubricant Kit

Description: Light and heavy synthetic oil, synthetic grease

Scale: Any

Price: £24.50

features to stop gumming, corrosion and rust.

This kit contains three useful products which will assist in smooth running of models. If there is one thing we could pick up on it would be the size of the nozzle which is a little large for applying oil in tight spaces typical of model locomotives. (MW)



Dapol releases BR green NBL Type 2

Following the release of the BR blue version of its new 'N' gauge NBL Class 22 diesel hydraulic, Dapol has now delivered the first of its BR green models. Featuring the same external specification of split headcode boxes and a matching standard of mechanism this model is every bit as good as the BR blue model reviewed in HM73.

The chassis inside we found to be faultless throughout the speed range, the super creep motor taking the Class 22 from a standstill to full speed smoothly and quietly. Haulage capacity is also excellent with the ability to handle a 10 coach train.

The livery decoration is what sets this release apart and Dapol has done an excellent job in recreating the smart BR green livery

THE DETAILS

Manufacturer:	www.dapol.co.uk
Cat No:	2D-012-002
Description:	BR Class 22 D6320, BR green
Scale:	'N'
Price:	£136.89
Era:	5
DCC:	DCC ready, 6-pin socket
Couplings:	Rapido couplings in NEM pockets

of the prototype with its grey roof panels and lower white stripe. Small yellow warning panels and red buffers finish off the front end together with silver painted window frames. A neat touch is a realistically misaligned character in one of the headcode boxes.

For those waiting for the BR green version of the 'N' gauge Class 22, the wait has been worth it. This is an outstanding model of a sought after 1960s prototype and it deserves to be a popular release. (MW)

Norsk Hydro covered tarpaulin wagon

New from Ontracks' Golden Valley Hobbies division is this limited edition model of the Norsk Hydro curtain covered wagons used on fertilizer traffic flows between Immingham, Scotland, South Wales and Southern England.

The model is limited to 500 pieces and has been produced to 'HO' scale by Rivarossi for Golden Valley Hobbies. The model is suitably well detailed throughout and the manufacturer has done an excellent job of recreating the plastic coated curtain cover of these vehicles. Being produced to 'HO' (3.5mm:1ft scale) this wagon does look a little small when positioned next to 'OO' gauge locomotives and other box vans. On the plus side it is factory fitted with UK outline tension lock couplings in NEM pockets.

THE DETAILS

Manufacturer:	www.ontracks.com
Cat No:	GV6000
Description:	Norsk Hydro closed tarpaulin wagon
Scale:	'HO'
Price:	£33.99
Era:	8
Couplings:	Small tension locks in NEM pockets

However, this is an attractive and different wagon suitable for the late 1980s period which, if marshalled between lower height wagons won't look out of place. (MW)



RECOMMENDED READING

The Book of the H15 and S15 4-6-0s

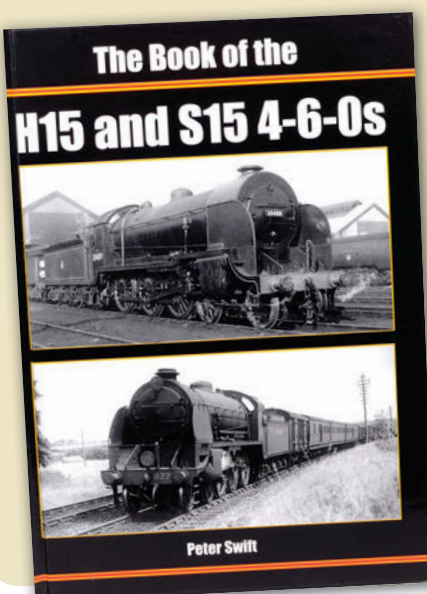
Author:	Peter Swift
Publisher:	Irwell Press Ltd
ISBN:	978-1-9069-1955-9
Contact:	01525 861888
Price:	£27.95
Spec:	232 pages - hardback

THIS IS ANOTHER addition to the substantial library of locomotive class studies produced by the Irwell Press.

The book charts the introduction of the 'H15' class by Robert Urie after he became CME of the London & South Western Railway (LSWR) in 1912 using a chassis closely modelled on the BESA Indian Standard Locomotive design and a superheated boiler similar in size to that of the Drummond 4-6-0s. The first ten locomotives were followed by a rebuild of Drummond's No 335. The similar 'S15' class followed in 1921 but with smaller driving wheels more suited to freight work.

Monochrome photographs are well chosen to show the many variants of tenders, chimneys, smoke deflectors and the like applied to these classes throughout their lives. The text gives a great deal of detail of the locomotives and tenders and is followed up by an illustrated historical record of each individual locomotive compiled from engine record cards and contemporary magazine records. These records include shed allocations, tender pairings, boiler numbers and shopping dates.

This is a useful reference book and historical record of two classes of locomotives which had long and productive careers. (IW)



HORNBY

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DAPOL

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N GAUGE

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SL302F	30 Yards Code 55 Concrete Sleeper Flexible Nickel Silver Track	£77.50
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O GAUGE

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MAXIMUM CONTROL

NOT ALL DCC locomotive decoders are created equal. A basic, non-sound decoder, such as those normally supplied in 'DCC fitted' models, will be capable of running the locomotive. The degree of tuning possible to obtain perfect control will quickly become apparent.

Motor decoders may also provide other features. Sound is only available from a limited range of high-end manufacturers, but provision to control other features is becoming universal. Budget decoders tend to have the least number of individually controllable Function Outputs (FOs), two, three or four being the norm. In a diesel locomotive this would typically enable front and rear lamps linked together but operating according to direction of travel, with cab lights to be independently powered and controlled.

Real locomotives do not display tail lights when any other vehicle is attached at that end. Analogue users are beginning to be provided with a facility to switch off red lamps via hardware switches. These are understandably hidden underneath the locomotive, necessitating lifting to gain access to the switch.

Digital possibilities

Digital control makes it possible to control such features remotely via the DCC controller and so we need a way to separate the operation of front and rear lamps. This can be done if each pair of lamps has its own DCC switchable power supply, requiring a total of four Function Outputs. This configuration is commonly referred to as 'Four Function Lighting'. It satisfies the need to have only front lights illuminated in

some circumstances, but with a four function decoder, there is now no provision for separately controlled cab lights. A six function decoder would be required to achieve this, plus independently controlled cab lights. Furthermore, on more modern locomotives or those with headcode lighting, additional Function Outputs will be needed if you require prototypically independent control. In short, the more complex the lighting patterns the more they need to be configurable to follow prototypical practice and the more Function Outputs will be needed.

In Part 1 (HM73) the Express Lighting Kit used only four functions as all 'white' lamps at each end were wired together and both red lamps at each end were connected. If each white lamp (four at each end) and the red lamp pairs (one at each end) were wired individually it would be possible to display the



How do you ensure correct lighting on DCC fitted locomotives with disc headcodes? As **PAUL CHETTER** shows it is possible to modify a Class 20 to cater for all the trains they hauled in service...

correct white lamp pattern to identify the train type. More importantly, this individual control allows these designations to be changed at will, depending on the formation you are currently running. The same would apply to steam locomotives too if working lamps are fitted - that's a total of 10 Functions and still no provision for a cab light.

10 functions

There are a couple of ways to achieve 10 function outputs. You could keep adding decoders until you reach 10 FOs. This is often not possible due to the lack of available free space. Costs and complexity also increase but it is an option. There are a limited number of decoders which provide, in addition to motor control, 10 Function Outputs as standard. Zimo's MX633, a non-sound decoder, and the Zimo MX644 and MX645 sound decoders

are all equipped with 10 Function Outputs. So for me Zimo decoders are the natural choice for these applications. There may be others, but they are rare items.

I believe that all the white markers on a real Class 20 were illuminated at the same time, with discs in the closed position to simply block the light. However, the general principles shown here will apply to other locomotive types too, such as early Class 31s, 40s, 44s and a host of other diesels designed in the 1950s. New lighting regulations require multiple marker and High Intensity lamps in specific day and night configurations in the modern era. All of these can be achieved in this way.

In practice, it could become rather tedious changing lighting patterns at each end to reflect direction and train headcodes if you had to individually switch up to 10 lamps. The

high number of inputs needed may not be a problem for non-sound users, but for sound decoders a considerable restriction of the number of sounds available for manual control would arise. Fortunately, Zimo has created a special system called 'SwissMapping' to deal with this, as the panel on page 97 explains.

Class 20 installation

This issue's guide shows how I modified and installed the lighting kit in a Bachmann Class 20, following on from Part 1. In theory, you can connect any LED to any Function Output and then map them to F keys later. If you wish to use the CV values in the table aside, you will need to make the same LED to Function Output connections as described here. The colour of the wires used is not significant, so long as you are able to make the correct connections. 

ZIMO MX644D WIRING POINTS

	11	Index - (Pin Removed)
Front Upper - White Wire - F03	12	10
Front Lower Mid - Green Wire - F02	13	9
Front Reds - Red wire - F01	14	8
Common Positive - Blue Wire	15	7
	16	6
	17	5
	18	4
Ground - Black Wire	19	3
	20	2
	21	1

■ Orientation: Left and Right are as seen by an outside observer looking at the loco.

FUNCTION OUTPUTS 7 AND 8 - SPECIAL INSTRUCTIONS

By default, pins 5 and 6 are assigned to SUSI connections. To use them as FOs requires a CV change, CV124 = 128.

Important Note. This is only possible if the current software version, SW33.0, is installed on your decoder. You can check the software version by reading CV7 and CV65. All previous Zimo decoders can be updated to the latest version with a free download, though you will need access to a Zimo programming device.

DO NOT connect FO7 or FO8 back to the blue wire, Common Positive, as these are 'logic level' outputs. Due to the internal architecture pins 5 and 6 supply +5v. The other side must be connected to Ground, pin 19. Remember to include a series resistor - a 470Ohm resistor is suitable.

This minor complication requires additional work to isolate the Ground from the Common Positive traces on the Cab end lighting circuitboard. See Step by Step guide for details.

CV LIST

To illustrate how you might set up your lighting, here are the CVs needed to map 'Forward Direction White Lamps Only' to F22. Fortunately, you only need to set these once.

CV33 = 5	CV430 = 22	CV432 = 1	CV434 = 15
CV34 = 10	CV431 = 157	CV433 = 0	CV435 = 0

To map 'Direction Dependent Tail Lamps Only' to F23:

CV436 = 23	CV438 = 14	CV440 = 2
CV437 = 157	CV439 = 0	CV441 = 0

MODIFYING AND INSTALLING DCC LIGHTING IN A BACHMANN CLASS 20

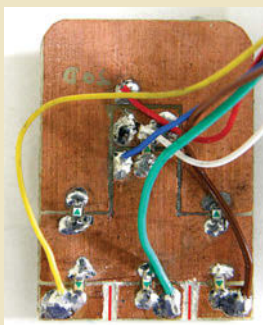
1

In this locomotive, the power supply to each white LED must be separate, but red lights are illuminated in pairs so may continue to be wired together. To achieve this, I modified the Express Models lighting kit's circuit board by cutting through the traces indicated by the red lines and removing the linking wire, arrowed. I also removed the attached red, yellow and blue wires.

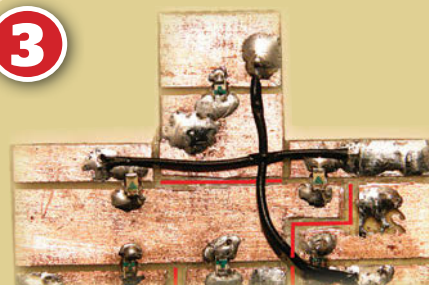


2

Solder suitable wires to the now isolated LEDs using the pads of copper remaining. These micro LEDs are susceptible to heat damage, so a confident and quick soldering technique is required, with just a fraction of a second's contact needed to ensure a good bond.



3



Similar reworking of the cab-end lighting circuitboard is required, but additionally the Ground (negative) sides of F07 and F08 need to be isolated from the Positive by further cuts in the copper trace, as shown here in red.

5

Most LEDs require external resistors to protect them from over-current. The kit provides resistors in the individual negative returns on the main circuitboard. This looked too tricky to modify easily, so I discarded it and used instead a 1k series resistor in the common positive supply. This will protect all connected LEDs and also reduce their brightness. Fine tuning can be achieved later by adding a series resistor to each red LED's negative return and using 'dimming' effects provided on the decoder.



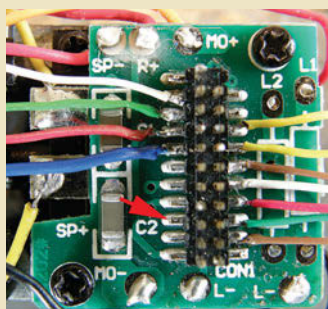
6



Without this PCB, there is more room above the decoder, which is welcome as it was previously quite a tight fit. Remember that all exposed wires and components must be electrically insulated, before switching power on.

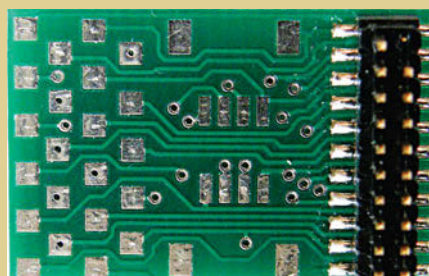
8

I found it more convenient to remove the two coils carefully, retaining them for reinstatement later. This gave better access to the base of the 21-pin socket nearby. Here the majority of wires have been soldered in place. The black, Ground, wire will be soldered to pin 18, arrowed.



9

An alternative would be to completely replace the locomotive PCB with an adapter plate like this one from TAMS. The wider spacing of larger solder pads would make this part of the conversion less difficult at the expense of additional cost of about £9.00.

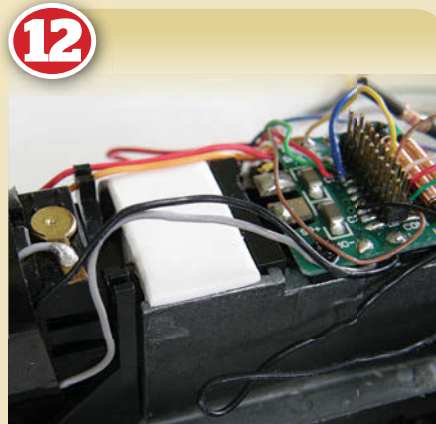


11



Similar black-out treatment is required at the cab end. Additional attention needs to be paid to the bottom edges of the windcreens which are in close proximity to the red LEDs. These act as unwanted light pipes and over-illuminate the cab with a strange demonic red glow.

12



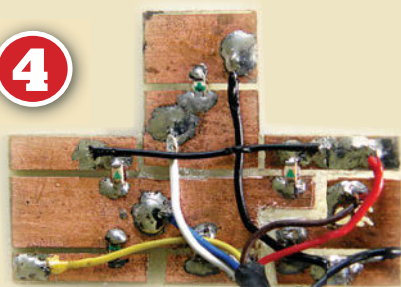
With so many wires near to the rear fly-wheel, I decided to add a guard made from thin styrene sheet as a precaution.



13

Re-assemble chassis and body, taking great care to avoid trapping and pinching any of the wires. Put the locomotive onto your programming track, and enter the CV values shown in the accompanying tables and that's it: job done!

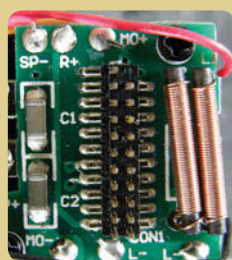
4



Wires should be soldered in the appropriate positions on the lighting circuitboards. At the cab end an extra return wire is needed (I've used black) for the Ground to F07 and F08. The White and Green wires become the Positive feed for these two LEDs instead of the blue (Common). Remember that the Ground return will need a series resistor; about 470 Ohms will be about right as this is a 5v circuit.

7

Each white LED and each pair of red LEDs need to be wired to the locomotive's 21-pin connector. This requires very accurate fine soldering in a confined space. Unless you are absolutely confident in your ability, you may wish to get a professional service to do the job. To proceed, refer to the pin diagram for the correct solder pads.



10

Experience shows that there is a certain amount of light bleed through the body plastics and from one LED to the 'light pipe' of adjacent lamps. I used matt black paint on the inside of the bonnet and around each light pipe (excluding their ends!) to reduce this tendency.



TOP TIP

To avoid light bleed through the plastic bodysell of a locomotive, particularly where the exterior colour is light, paint the inside face black. This improves the finished effect greatly.

ZIMO'S 'SWISS MAPPING'

In order to make changing multiple lamp arrays both quick and easy, Zimo has developed a technique based on assigning patterns to F Keys rather than assigning individual lamps.

The end result works beautifully, changing up to 10 lamps or clusters of lamps with one F key. Changing to a different pattern requires a different F key, and so on. It does, however, require some preparation before the system can be deployed. Once finalised, there is no need to go through this again.

In essence, the Swiss Mapping feature is invoked by assigning a master lighting key. This could be any F key, but logic suggests that the usual lighting key, F0, would be most appropriate. For each desired

pattern, a group of CVs are available to determine which lamps are illuminated at each end of the locomotive and to assign a specific F key to operate those patterns. The master switch determines if lighting is enabled or not, the assigned F keys determine which patterns are illuminated. Operating more than one assigned F key together can create a further pattern. So, with adequate planning, it is possible to reduce the number of separate F keys required.

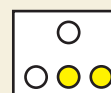
Provided you have wired your LEDs in the way I have shown, and you have entered all the relevant CV values listed in the accompanying table, your Class 20 lighting will be able to display the train codesshown below.

F KEY 0 PLUS: LAMPS AT LEADING END

F KEY 0 - EXPRESS FREIGHT WITH A FITTED HEAD

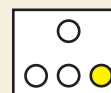
CV Number	33	34
Value	41	70

Add the following for the desired code



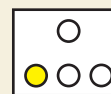
F KEY 20 - BALLAST OR FREIGHT TRAIN STOPPING IN SECTION

CV Number	430	431	432	433	434	435
Value	20	157	14	0	15	0



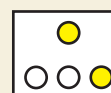
F KEY 21 - THROUGH MINERAL OR EMPTY WAGONS

CV Number	436	437	438	439	440	441
Value	21	157	6	0	8	0



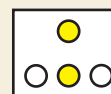
F KEY 22 - EXPRESS FREIGHT - UNFITTED STOCK

CV Number	442	443	444	445	446	447
Value	22	157	14	3	15	7



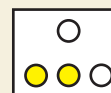
F KEY 23 - EXPRESS FREIGHT

CV Number	448	449	450	451	452	453
Value	23	157	2	3	5	7



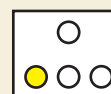
F KEY 24 - FULLY FITTED PARCELS OR PERISHABLES

CV Number	454	455	456	457	458	459
Value	24	157	2	6	5	8



F KEY 25 - THROUGH MINERAL

CV Number	460	461	462	463	464	465
Value	25	157	3	0	7	0



● The trailing end will display illuminated red lamps only where appropriate

WHAT WE USED

PRODUCT	SUPPLIER	PRICE
Bachmann Class 20	www.digitrains.co.uk	£59.00
ZIMO MX644 Sound Decoder	www.digitrains.co.uk	£82.00
20mm x 40mm speaker	www.digitrains.co.uk	£5.50
Class 20 Lighting kit	www.expressmodels.co.uk	£15.95
Adapter 21 pin MTC/PluX22	www.tams-online.de	£8.99

Hobbs Row Halt

A wobble board and fruit bowl formed the unlikely basis of

BOB VAUGHAN'S

'OO9' test track, but there's character galore in this minimum space 'pizza' layout.

Photography, Trevor Jones.

Congestion at Hobbs Row Halt. The train of empty wagons is kept waiting because the late running passenger train is only now starting off from the platform.



WHILE WORKING on my main 'OO9' gauge layout, Tansey Bank, with its terminus to fiddle yard arrangement, it seemed that a simple circle of track would be useful to run-in the locomotives. I started to look around for a suitable circular baseboard and spotted an exercise wobble board in a local charity shop window. This was perfect, being a flat 15in diameter disc of MDF with all the edges already smoothed.

After some rather unsettling attempts to use the wobble board for its intended purpose, the hardwood block that formed the point on which the board wobbled was removed with brute force and a lump hammer! A circle of Peco 'OO9' track was laid in an evening and the first locomotive was pottering round before bedtime.

But I thought it would look so much better if there was a bit of scenery as well, what you might call a 'pizza' layout rather than just a test track. The rails ran very near the edge of the MDF disc, and I concluded that before even attempting to add scenery there would need to be an extra inch of baseboard all round.

That weekend I had to go to a wedding in Newport and knew that there would be no progress on the layout, but on the way from the car park to the church I saw in another charity shop window an enormous bamboo strip fruit bowl which would be just the right size for mounting the wobble board in.

Once the disc was safely mounted on the bowl I painted the sleepers and rail sides with Railmatch Sleeper Grime enamel and ballasted the track with Carr's 'N' gauge ballasts. The extra margin proved a godsend when a train derailed on an errant lump of ballast and spread wagons onto the new hard shoulder rather than the floor.

It was about this stage in its development that the layout got its name, as it was sitting in a corner of the kitchen, like an extra hob, and the noise from some of the older locomotives was being amplified by the gap between the bowl and disk to make a right old row – 'Hobbs Row' it was, and the layout finally had a name.

A feast of 'OO9' – a table centre piece in the style favoured by American modellers. This picture clearly shows the diminutive size of the pizza layout, which is truly a table top railway.

STATISTICS

Owner:	Bob Vaughan
Scale:	'OO9'
Length:	1ft 6in
Width:	1ft 6in
Track:	Peco
Control:	Analogue
Era:	1930s narrow gauge



Developing the scenery

There needed to be some scenic focus to distract viewers from the fact that it was a small train in a big fruit bowl, and when I saw an advert for the Bachmann/Pendon Little Chapel Cottage, I knew that this was just the thing. It would be an excellent focal point and provide me with the opportunity to build a cottage garden with some of the unused rose bushes left over from building Gas Lane (HM29).

The other two structures at Hobbs Row Halt are a Knightwing shelter cut down to Ashover Railway dimensions which fouled the carriages in its original location on the platform of Tansey Bank and the spare North Eastern Railway Small Outbuilding from a Skaledale pair (R9745) bought to provide a bothy for the Tansey Bank engine shed.

The buildings were moved around to get the optimum arrangement of platform and roads, all intended to try and fool the eye into ignoring the fact that the train is going round in small circles. An overbridge of some sort would be a convenient scenic break and so I dug out a picture of the cutting outside Chirk on the Glyn Valley Tramway and made a plastic card one inspired by Levers Bridge there. Large trees also form effective scenic breaks and the white metal armatured ready-made trees from Realistic Modelling Services are strong and realistic.

After fiddling round for a couple of days everything was where I wanted it to be, but the only place the bridge could be was a mere 3in down the track from a level crossing. This meant that the cottage and the road in the centre of the baseboard would need to be raised to ensure that all the slopes were as gentle as possible.

"A circle of 'OO9' track was laid in an evening and the first train ran before bedtime."

Once I'd mapped out the positions of the various components I made the platform, road surfaces and cottage area from some old sheets of balsa and started to prepare chunks of expanded polystyrene for the various banks and cutting sides.

Once all the PVA had set, the polystyrene 'rocks' were covered with a couple of layers of plaster bandage, DIY store filler being used to smooth out any wrinkles. Green Scenes textured paint formed the soil and dirt round the track and carpet underfelt represents the long grass around the tracks. The road and platform surfaces were painted with a mixture of B&Q Clay and Slate matt emulsions.

Rather than make each individual bush to suit the location, I prefer to have lots of various colours and sizes ready to hand and then select a suitable one. Green Scene, Woodland Scenics and Realistic Modelling Services scatter materials were glued over torn up scouring pads and rubberised horsehair to create the final effects and a suitably varied selection of bushes.





Above: Looking down the lane, Carl the big ALCO 2-6-2, made from a Meridian Models kit blackens the sky as it hauls yet another load along round the curve.

Left: It seems that the new Mini is the focus of discussion in the garden. This scene shows how the layout can be adapted to any period by changing the road vehicles around.

Right: Eli, a Peckett 0-4-0T Aluminium class from the Paul Windle range, prepares to head its train of empty wagons out of the station.



Blooming marvellous!

The last feature to be started was the cottage garden. The space was very limited so I sketched out various colourful arrangements of paths and plants on the backs of envelopes, but after many goes at getting something suitable it became apparent that there was no room even for a tiny lawn.

The areas around the privy and apple tree at either end of the building were left clear of plants so that there was space for a bit of clutter. The stones that edge the borders were made by drawing a thin line of superglue

in the appropriate place and scattering some 'O' gauge brown ballast over it. After the surplus had been shaken off, any gaps were tidied up.

Shaped bushes were stuck down to break up the flat borders, followed by a few statement plants from the Noch range of laser-cut paper foliage. These have been placed in suitably sheltered places where their delicacy could be appreciated but not crushed. Next, the spaces were filled in with an assortment of low clumps made from slivers cut off rubberised horsehair bushes

with flowers made from blobs of Tulip Slick 3D paint, designed for writing on T-shirts, and some of the excellent and colourful Realistic Modelling Services self-adhesive clumps of flowers.

The clutter of wheelbarrows and chimney sweep's equipment came from the Langley models bits-tray at last year's Warley exhibition, the plant pots and seed trays are from the Scale Link potting shed set and the cat and boots have been in my bits box since they were purchased from Bearwood Models in the early 1970s. Once the garden looked

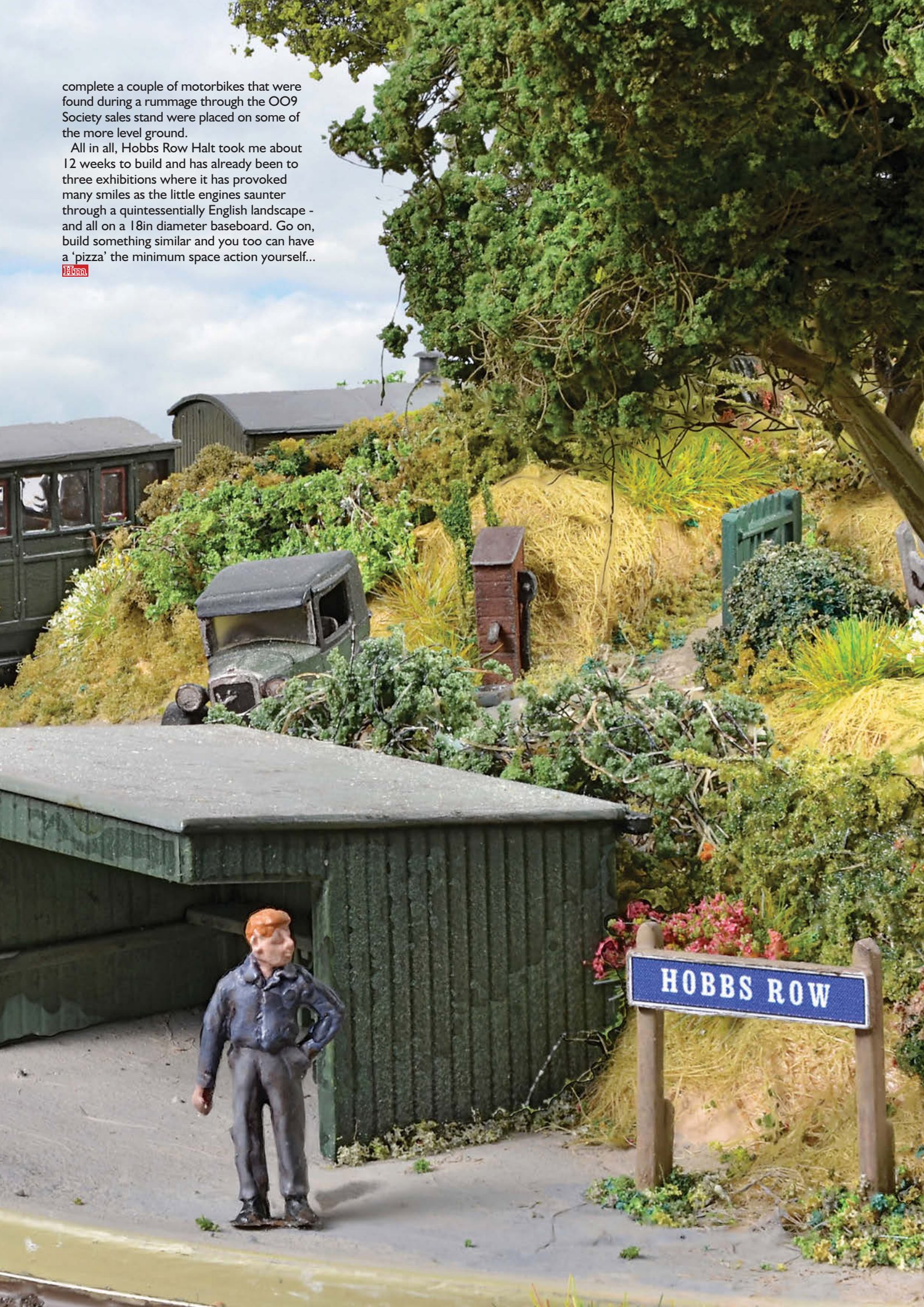
With its wheels squealing *Lawrence*, a Sharp Stewart tramway engine produced by Paul Windle, eases its train to a standstill.



complete a couple of motorbikes that were found during a rummage through the OO9 Society sales stand were placed on some of the more level ground.

All in all, Hobbs Row Halt took me about 12 weeks to build and has already been to three exhibitions where it has provoked many smiles as the little engines saunter through a quintessentially English landscape - and all on a 18in diameter baseboard. Go on, build something similar and you too can have a 'pizza' the minimum space action yourself...

 18mm



Let there be **LIGHT**

IN LAST MONTH'S *Hornby Magazine* we introduced you to the superb 4mm scale range of ready-to-install lights from DCC Concept (see feature in HM73 on pages 44-46). But what it is that makes these lights stand out from those available from other suppliers?

DCC Concepts is an Australian-based company and so far their products have been imported by Gaugemaster Controls (www.gaugemaster.com) but are otherwise difficult to get hold of. The lighting sets are complete, meaning that you don't have to shop around for other components to set them up.

The lights are highly detailed and amongst the finest ready made lamps available for 'OO' gauge and 4mm scale layouts. DCC Concepts produce four basic lamp products, in different colour schemes and sizes of pack, and we have sourced just two of the four designs to give readers the chance to sample them at a less than recommended retail price.

The Super Value packs are a great way to get started as they come complete with six lamp posts with optional extension posts, plus two wall lamps to match. The lamps are suitable for any period from the 1930s through to the

end of the 1960s and each pack contains all the circuitboards that you need. In fact all you have to add are connecting wires and a power supply.

You can choose from either gas or swan neck-style lamps from our promotion, although oil and barley twist styles are also available via Gaugemaster Controls. The lamps are not just for the station environment, they can also be used as street lights too or in goods yard. The plain black, unpainted option means you can paint them into your own town council's colour scheme!

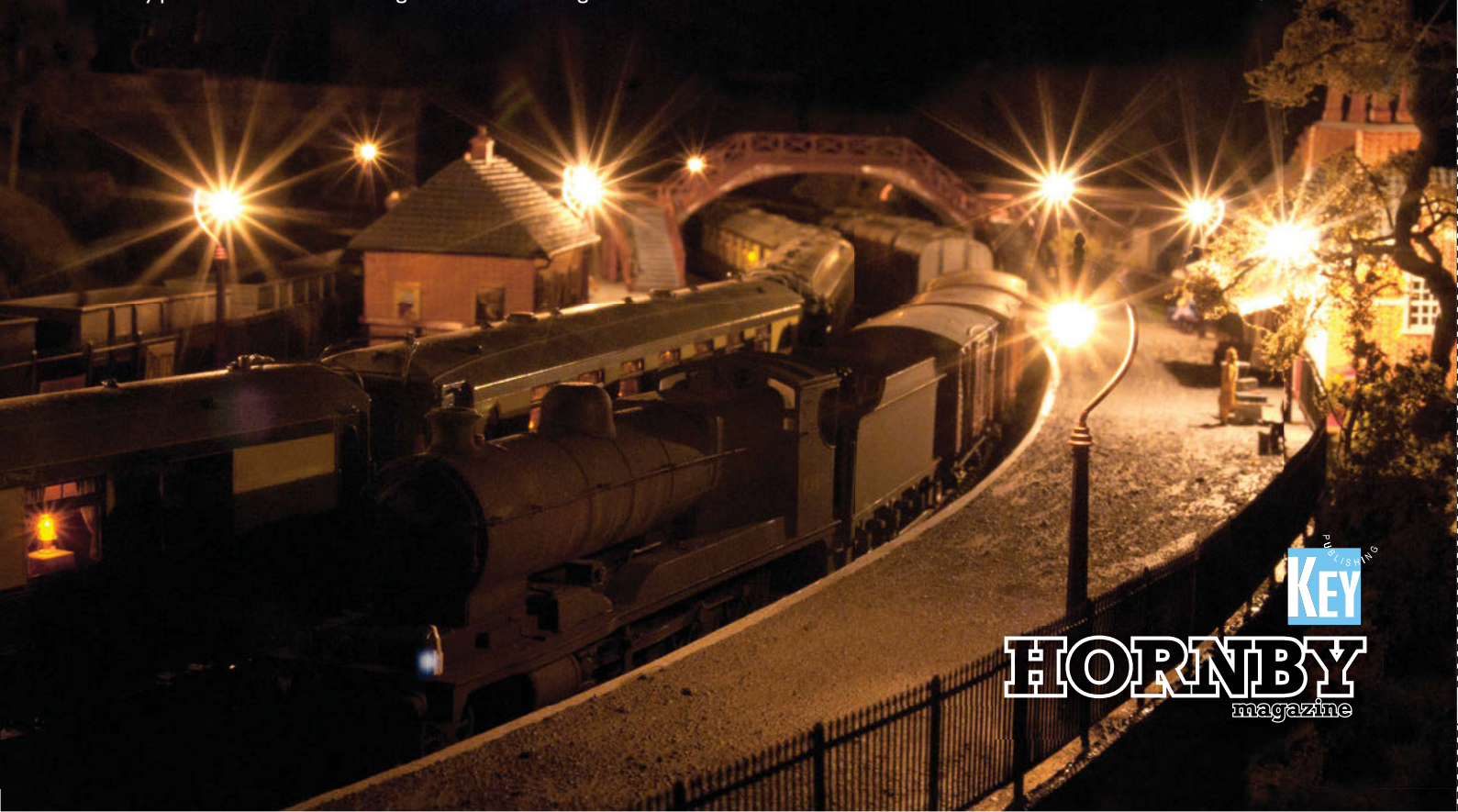
The Super Value packs have enough lamps for the average smaller station, six lamps and two wall lamps usually being enough for any single platform station, but the beauty of the DCC Concepts range is that you can 'top up' with a triple pack to give nine lamps on posts, and there are separately available wall light packs (again from Gaugemaster) to add on as well if needed.

In last month's article, editor Mike Wild explained how easy it is to set the lamps up using the circuit board in the three lamp kit packaging and there was also a diagram showing how they should be set up. Since writing that article it has been realised

that there is some variation in the type of circuitboard supplied with the Super Value packs, however the principle is the same and each kit does have its own, easy-to-follow, wiring diagram on the back of the pack.

Here at *Hornby Magazine*, we only source reader promotions on quality products from trusted sources. These lighting kits are excellent quality and extremely versatile. With the help of DCC Concepts we have been able to import these products and offer them at a greatly reduced price on the normal retail price. If the promotion is successful and there is sufficient demand from readers, it may be possible to add the oil lamp and barley twist varieties to our offer.

You can order the lighting sets through our mail order department, either by phone or by going to our website at www.hornbymagazine.com or visit our stand at forthcoming exhibitions. These include Hornby Magazine LIVE! In Hartlepool on July 13/14, Midland Railx on August 17/18, the Swindon Railway Festival on September 14/15, the Great Electric Train Show on October 12/13, Warrington on October 19/20 and Warley Show at the NEC on November 24/25.



KEY

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SWAN NECK LIGHTS

ASSEMBLING YOUR DCC CONCEPT LIGHTS

You don't need to be an electrician, and you don't need loads of tools and equipment, just wire cutters and strippers, a craft knife, 2.5mm drill (to position them), superglue, contact adhesive, insulating tape and a small soldering iron to solder the contact points. It is fun and easy to do and you get results quickly – before long your station can be basking in authentic lighting!

CIRCUIT BOARDS

The circuit boards supplied with the kits do vary between two different types, so may not match the wiring diagramme we published in HM73. However each kit does have instructions and a diagram to match its particular type of circuitboard.

LIGHTING KITS AVAILABLE

Gas Light and Swan Neck

- GWR/Western Region brown
- LMS/London Midland Region maroon
- SR/Southern Region green
- Plain black – unpainted

PACK SIZES AND PRICES

Super Value Pack - Normal RRP £69.95

Offer price £55.95 inc p&p

Includes six lamps on posts with optional extension posts plus two wall lamps, extra LEDs, lamp/LED control circuit boards, plus full instructions.

Triple Pack - Normal RRP £39.95

Offer price £31.95 inc p&p

Includes three lamps on posts with optional extension posts, full lamp and LED control circuit boards, plus full instructions.



GAS LIGHTS



Go on line to the *Hornby Magazine* shop at www.hornbymagazine.com and follow the link. You can also order using your credit/debit card by calling +44(0) 1780 480404 Monday-Friday 9.00 - 17.30 or **complete the order form below and send with your payment to;** Key Publishing Ltd, Mail Order Dept. PO Box 300, Stamford, Lincolnshire PE9 1NA, UK. Please allow 28 days for delivery.

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Hartlepool calling

In the final weeks before Hornby Magazine LIVE! in Hartlepool it was all hands on deck to get St Stephens Road back up and running for its return to the show circuit. **MIKE WILD** reveals all...

BRINGING St Stephens Road back to life for Hornby Magazine LIVE! in Hartlepool has been something of a challenge. Its period in store - and subsequent robbing of parts for other layouts - left a large job list to tackle as well as the upgrade to Digital Command Control.

With the magazine to produce every month it is only in my spare time that St Stephens Road can be worked on meaning that every second counts towards getting it completed and ready for exhibition use.

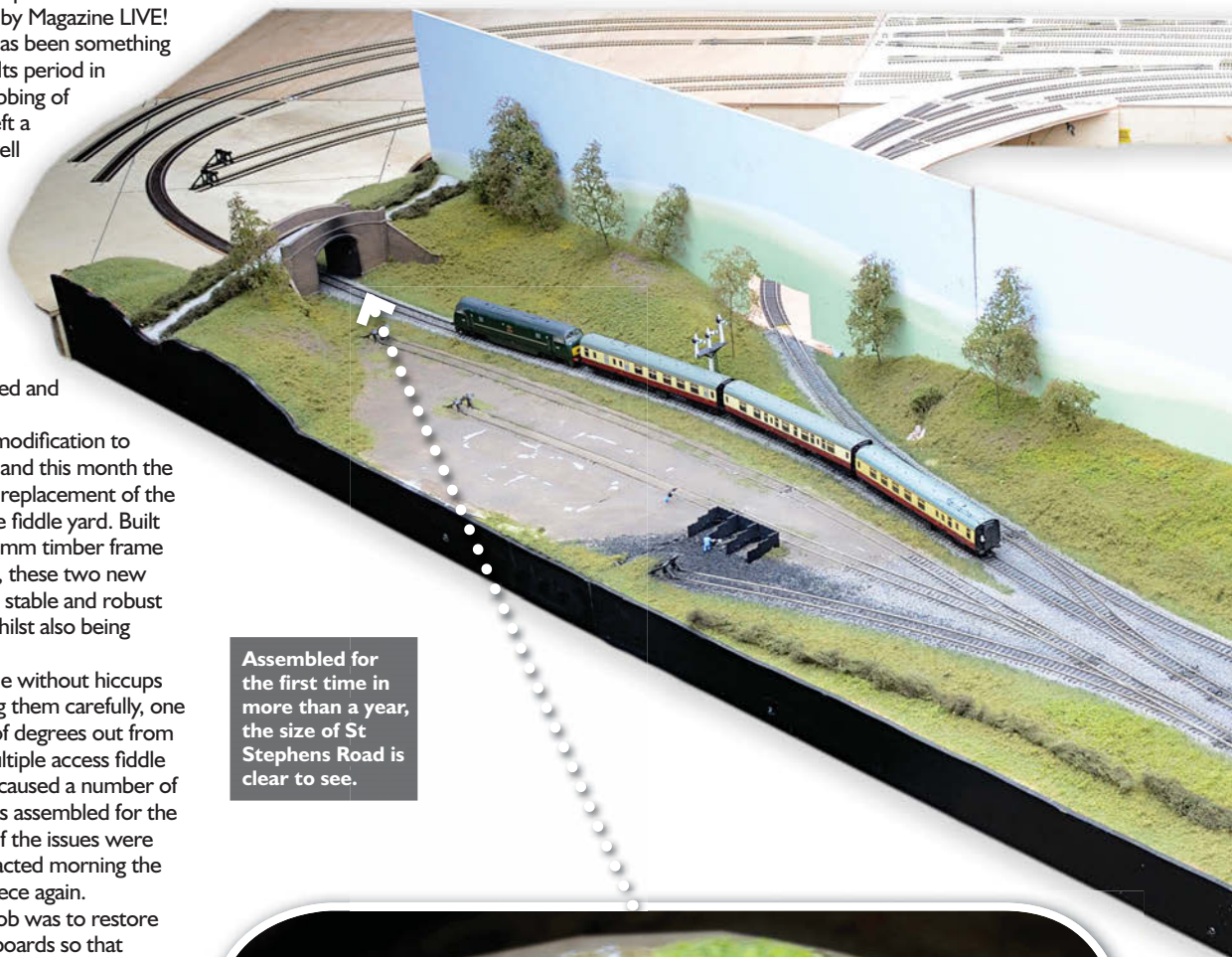
In HM73 I revealed the modification to one end of the fiddle yard and this month the first job to be tackled was replacement of the other curved board for the fiddle yard. Built with the same 69mm x 20mm timber frame and a 9mm plywood deck, these two new boards are stronger, more stable and robust than their predecessors whilst also being bespoke to the layout.

Their addition hasn't gone without hiccups though. Despite measuring them carefully, one of the ends was a couple of degrees out from the original and, with a multiple access fiddle yard like St Stephens, this caused a number of problems as the layout was assembled for the first time. Fortunately all of the issues were resolved and after a protracted morning the layout was finally in one piece again.

With this done the first job was to restore the main line on the new boards so that testing of the main circuit could start. This was simple, but not quite so simple was replacing the missing electrical connections which had been taken off for use on another project layout. However, once they were reconnected and plugged together the new Gaugemaster Prodigy unit was plugged in and the first trains were running!

Expanding capacity

One of the most important parts of the new curved baseboards was the opportunity to expand capacity in the fiddle yard. St Stephens is unique in Hornby Magazine's collection of layouts in that all the points in the fiddle yard are manually operated. The design of the layout complicates this further as the Southern Region connections restrict access to parts of the fiddle yard if a conventional arrangement were used.



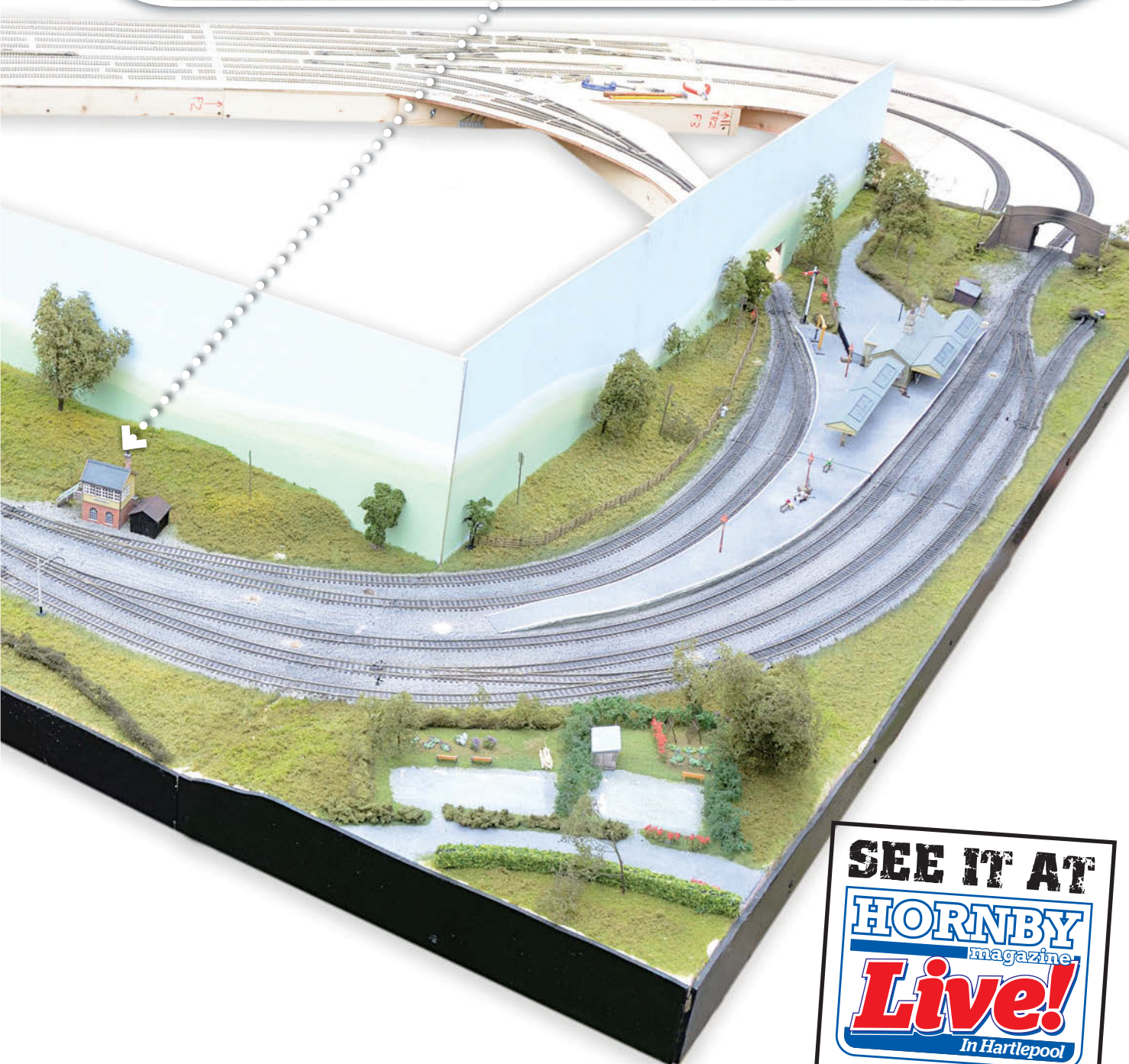
Assembled for the first time in more than a year, the size of St Stephens Road is clear to see.



A 'Warship' climbs away from St Stephens with a passenger working.



A Maunsell 'N' 2-6-0 departs on Southern metals as a Collett '2884' 2-8-0 coasts into the station with a goods.



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In Hartlepool
ON JULY 13/14 2013

Instead St Stephens features a central set of loops with kickback sidings fanning off each end of these at suitable locations. This means that all of the points are within reach of the operators without the need to move from the central operating well.

Once the main lines had been restored work then began on rebuilding the rest of the kickback sidings. Due to the changes in the baseboard structure five of the sidings were lengthened while the Western Region side gained three extra sidings and the Southern Region side two. This increase in capacity gives a total of 11 roads for the Western fiddle yard and nine road for the Southern Region.

Digital changes

The changeover to DCC has gone very smoothly. Point control has remained in analogue mode using the original panel while to take control of the trains all of the section switches have been switched over to the on position for one controller making it a very simple change.

However, with the use of DCC sound locomotives another change needed to be made in the power supplies for the loops. Previously the loops were fed from outside of the pointwork meaning that when the points were against a train it would be electrically isolated from the rest of the layout. With sound locomotives this wasn't a practical situation as it meant that locomotives would end up with their sounds turned off when held in a loop.

To get around this each loop had a permanent power supply added from the respective main line while the points were then isolated from the loop. This meant that each loop would be permanently live but also avoided shorts from the points.

The Gaugemaster Prodigy Advance has proved perfect for our needs. Having plugged it in and checked operation during the initial tests it proved more than capable of the job. After checking through the manual we added



Locomotive detailing continues with lamps, fire irons and coal loads being added to each model. Where possible crews are also being fitted into cabs.

St Stephens Road locomotive fleet as of June 20 2013

WESTERN REGION

CLASS	MANUFACTURER	DECODER
'2251' 0-6-0	Bachmann	Howes LokSound 8-pin decoder
'57XX' 0-6-0PT	Bachmann	Howes LokSound micro decoder
'4575' 2-6-2T	Bachmann	Howes LokSound 8-pin decoder
'Hall' 4-6-0	Bachmann	Digitrains LokSound 8-pin decoder
'2884' 2-8-0	Hornby	Howes LokSound 8-pin decoder
'42XX' 2-8-0T	Hornby	Howes LokSound micro decoder
Class 22	Dapol	Howes LokSound 21-pin decoder
Class 35	Heljan	Howes LokSound 8-pin decoder
Class 42	Bachmann	Howes LokSound 21-pin decoder

SOUTHERN REGION

CLASS	MANUFACTURER	DECODER
'West Country' 4-6-2	Hornby	Zimo decoder and Seuthe smoke unit
'M7' 0-4-4T	Hornby	Howes LokSound micro decoder
'T9' 4-4-0	Hornby	Howes LokSound 8-pin decoder
'N' 2-6-0	Bachmann	Digitrains LokSound 8-pin decoder
'3MT' 2-6-2T	Bachmann	Howes LokSound micro decoder
'4MT' 2-6-4T	Bachmann	Howes LokSound micro decoder

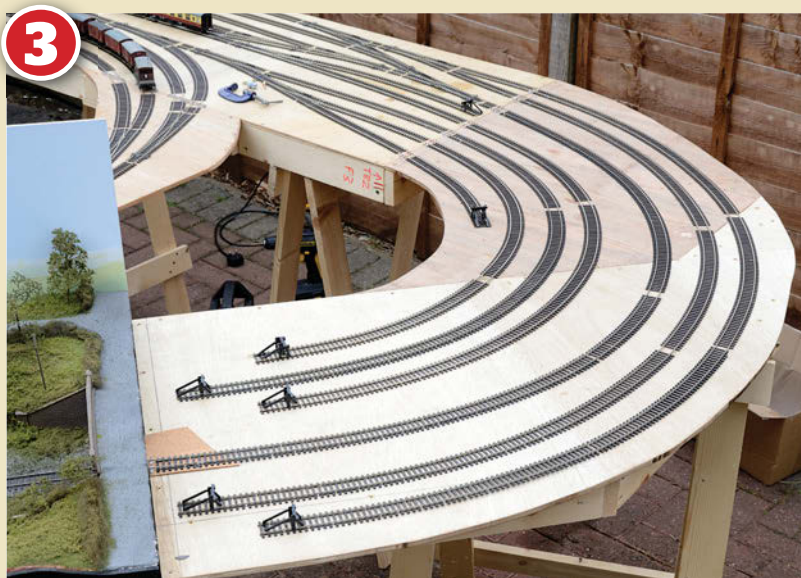
STEP BY STEP DEVELOPING ST STEPHENS ROAD'S FIDDLE YARD



The first step in modifying the station end of the fiddle yard was to build a new bespoke baseboard to link with the scenic section. It has been made with 69mm x 20mm timber for the frame and 9mm plywood for the surface.



Satisfied with the baseboard's construction and location the main line was repositioned on the board together with the first siding.



After erecting the whole layout and resolving alignment problems the rest of the fiddle yard sidings were laid onto the new board. Two of these may be shortened in the future if scenery is extended onto this board.

a second handset (which has to be given its own unique address) and we then had a fully operational layout with two controllers. The single button presses for locomotive sound functions makes it an impressively simple system to operate while it also provides plenty of power to run the whole layout.

The fleet

Perhaps the largest upgrade for St Stephens though is the work that has gone into the locomotive fleet. Upgrading it to DCC sound has been a challenging job, particularly with some of the smaller GWR tank engines, but one which I've relished and enjoyed bringing together.

In the middle of June the locomotive fleet was getting close to completion for the layout's first showing of 2013 with another three or four locomotives left to do from the first wave of planned sound fitting.

Particular successes have been a pair of Bachmann GWR '57XX' 0-6-0PTs, a Bachmann Collett '2251' 0-6-0 with a 'Manor' tender and a Hornby '42XX' 2-8-0T with the speaker mounted underneath the chimney – the perfect place!

In total 15 locomotives should be complete in time for the Hartlepool show and a number of them will feature in the magazine in future issues showing exactly how a sound decoder can be fitted to particular locomotives.

The Southern Region fleet has also been benefitting from sound with an 'N' 2-6-0 being joined by a 'T9' 4-4-0, 'M7' 0-4-4T and a couple of BR Standards. However, the highlight looks set to be the pair of Bulleid air-smoothed 'West Country' 4-6-2s which Paul Chetter is fitting out for the layout.

Work on the rolling stock hasn't stopped at the locomotives. The carriage and wagon fleets are also in for further work. The main source of change is the weathering of carriages to bring them into line with the appearance of the locomotives.



Carriage weathering is in full swing. Amongst the latest vehicles to be tackled are a GWR B-set and a set of WR chocolate and cream Mk 1s.



A Drummond 'T9' 4-4-0 simmers in the platforms at St Stephens Road as a GWR '57XX' 0-6-0PT enters with a pick up goods.

Fortunately the Southern Region passenger stock was tackled last year prior to Ashland attending the High Wycombe and Spalding shows, but the Western Region stock only had

very basic chassis weathering. This is now being attended to progressively, starting out with a GWR B-set and a rake of Hawksworth corridor stock.

Little has happened on the wagon front with the only minor changes being an extra six-wheel milk tanker for the milk train and replacement of the wheelsets in two of the Dapol milk tankers to improve their operation on the layout.

Final call...

As this issue closed for press there were just two weeks left before Hornby Magazine LIVE! in Hartlepool, but by the time you read this the layout will already be loaded into the van and ready to depart.

If you are coming to the show please do come along to the layout and say hello and we hope you enjoy seeing St Stephens Road back

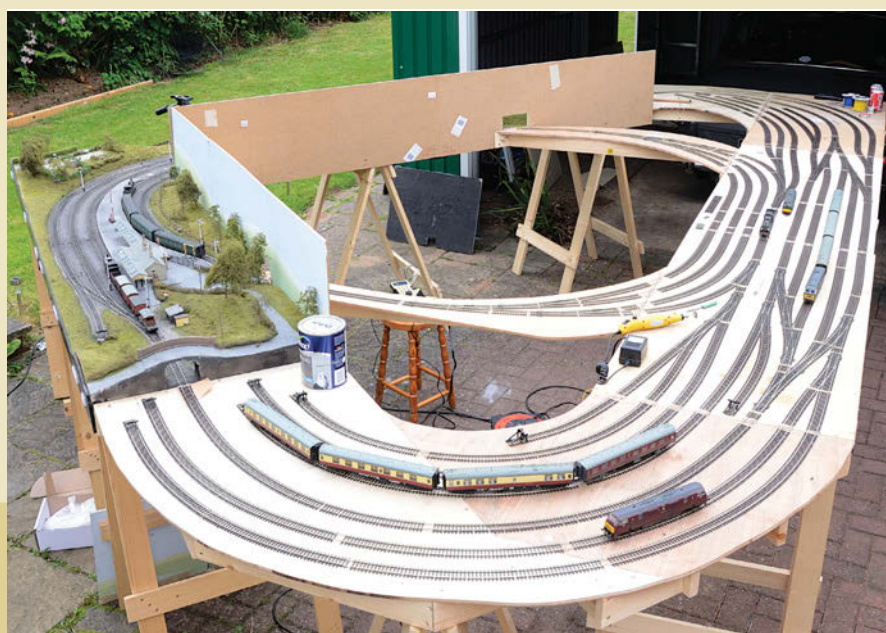
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The new sidings for the Southern Region side have expanded capacity and increased train lengths and flexibility. The Western and Southern fiddle yards are independent.

5

An overview of the newly modified fiddle yard for St Stephens Road which now has 11 tracks for the Western Region and nine for the Southern Region.





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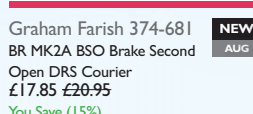
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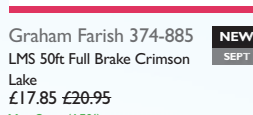
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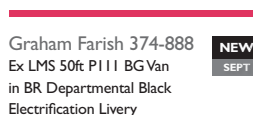
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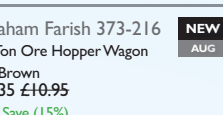
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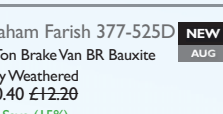
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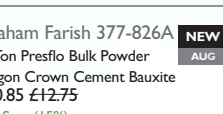
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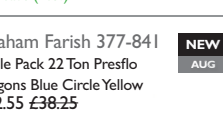
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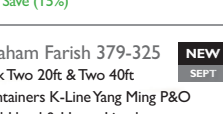
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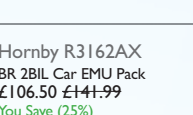
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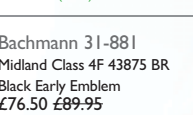
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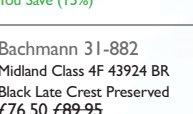
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Bachmann 31-881
Midland Class 4F 43875 BR
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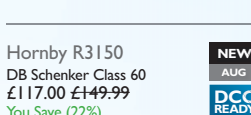
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Hornby R3150
DB Schenker Class 60
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Hornby R3155
BR Black 9F Cock O' The
North
£71.75 ~~£89.99~~

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DCC
READY

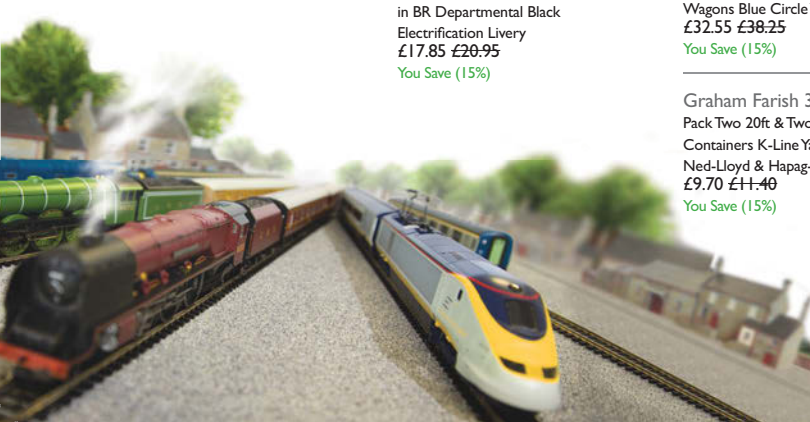
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Hornby R4568
BR Ex LNER 61ft 6inch
Corridor 3rd Class Coach
£37.75 ~~£48.99~~
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NEW
AUG



Bachmann 39-465
LMS 60ft Porthole Corridor
Composite BR Crimson and Cream
£25.80 ~~£30.35~~
You Save (15%)

NEW
JULY

Hornby R3166X
GWR Knight Of The Grand
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£113.95 ~~£151.99~~
You Save (25%)

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AUG
DCC
FITTED



Hornby R3206
BR Mainline Blue Tornado
Etched Nameplates and Extra
Decoration £92.25 ~~£122.99~~
You Save (25%)

NEW
JULY
DCC
READY

Hornby R4518A
LNER Gresley Non Vestibuled
Suburban 3rd Brake
£36.50 ~~£48.49~~
You Save (25%)

NEW
AUG

Hornby R4570
BR Ex LNER 61ft 6inch Corridor
1st Class Sleeper Coach
£37.75 ~~£48.99~~
You Save (23%)

NEW
AUG

Bachmann 39-470
LMS 60ft Porthole Corridor
Brake 1st BR Crimson and Cream
£25.80 ~~£30.35~~
You Save (15%)

NEW
JULY



Hornby R3167
BR Glastonbury Abbey 4000
Class
£101.25 ~~£134.99~~
You Save (25%)

NEW
AUG
DCC
READY



Hornby R3183
Arriva Trains Class 67
£99.95 ~~£133.99~~
You Save (25%)

NEW
JULY
DCC
READY



Hornby R4521A
BR Gresley Non Vestibuled
Suburban Composite
£30.25 ~~£40.25~~
You Save (25%)

NEW
JULY



Hornby R4572
LNER Thompson Non
Corridor Composite Lavatory Coach
£39.75 ~~£48.99~~
You Save (19%)

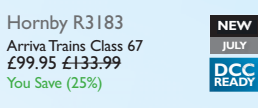
NEW
JULY

Bachmann 39-475
LMS 60ft Porthole Open Vestibule
1st BR Crimson and Cream
£25.80 ~~£30.35~~
You Save (15%)

NEW
JULY

Hornby R3167X
BR Glastonbury Abbey 4000
Class
£113.95 ~~£151.99~~
You Save (25%)

NEW
AUG
DCC
FITTED



Hornby R3151X
BR Blue Class 08 DCC Fitted
Weathered £41.95 ~~£52.99~~
You Save (22%)

NEW
JULY
DCC
FITTED

Hornby R4522A
BR Gresley Non Vestibuled
Suburban 3rd Brake
£30.25 ~~£40.25~~
You Save (25%)

NEW
AUG

Hornby R4573
LNER Thompson Non
Corridor Third Class Coach Teak
£39.75 ~~£48.99~~
You Save (19%)

NEW
JULY

Hornby R6577
Prestwich Tarmacadam
4 Plank Wagon
£7.70 ~~£10.25~~
You Save (25%)

NEW
SEPT



Hornby R3178
NCB PO 0-4-0 Sentinel
£41.95 ~~£55.99~~
You Save (25%)

NEW
OCT
DCC
READY



Bachmann 31-995
LMS 10000 BR Brunswick
Green, Lined Orange & Black
£97.75 ~~£114.95~~
You Save (15%)

NEW
OCT
DCC
READY



Hornby R4531C
BR 61ft 6inch Full Brake
£36.75 ~~£48.99~~
You Save (25%)

NEW
AUG



Bachmann 39-450
LMS 57ft Porthole Corridor
3rd BR Crimson and Cream
£25.80 ~~£30.35~~
You Save (15%)

NEW
JULY

Hornby R6578
Pentwyn Black Vein Coll 7
Plank Wagon £7.70
£10.25 You Save (25%)

NEW
SEPT



Hornby R3179
Esso Sentinel 0-4-0 Sentinel
£41.95 ~~£55.99~~
You Save (25%)

NEW
OCT
DCC
READY

Bachmann 31-996
LMS 10000 BR Brunswick Green,
Part Eggshell Blue Waistband
£97.75 ~~£114.95~~
You Save (15%)

NEW
OCT
DCC
READY

Hornby R4537
SR Unconverted Open Third
Coach
£31.75 ~~£39.99~~
You Save (20%)

NEW
SEPT

Bachmann 39-455
LMS 57ft Porthole Corridor
1st BR Crimson and Cream
£25.80 ~~£30.35~~
You Save (15%)

NEW
JULY

Hornby R6581
Morecombe Electricity Dept 4
Plank Wagon £7.70 ~~£10.25~~
You Save (25%)

NEW
SEPT

Hornby R3180
Tarmac 0-4-0 Sentinel
Weathered £41.95 ~~£55.99~~
You Save (25%)

NEW
OCT
DCC
READY

Bachmann 31-997
LMS 10001 BR Brunswick Green
Blue Waistband and Yellow Panels
£97.75 ~~£114.95~~
You Save (15%)

NEW
OCT
DCC
READY

Hornby R4566
BR Ex LNER 61ft 6inch Corridor
Brake Composite Coach Maroon
£37.75 ~~£48.99~~
You Save (23%)

NEW
AUG



Bachmann 39-460
LMS 57ft Porthole Corridor Brake
3rd BR Crimson and Cream
£25.80 ~~£30.35~~
You Save (15%)

NEW
JULY

Hornby R6642A
GWR Shunters Truck
Gloucester
£10.25 ~~£13.49~~
You Save (25%)

NEW
AUG

Bachmann 32-815
Class 47 47834 Fire Fly BR
Intercity Swallow
£89.25 ~~£104.95~~
You Save (15%)

NEW
AUG
DCC
READY

Bachmann 32-127B
Class 45XX Prairie Tank 4555
Great Western Green
£72.25 ~~£84.95~~
You Save (15%)

NEW
AUG
DCC
READY

Hornby R4567
BR Ex LNER 61ft 6inch
Corridor 1st Class Coach
£37.75 ~~£48.99~~
You Save (23%)

NEW
AUG

Hornby R4534B
BR Pull Push Coach Pack
£61.50 ~~£77.25~~
You Save (20%)

NEW
SEPT

Hornby R8312
e LINK and Railmaster and
1 amp Transformer
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You Save (25%)

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LIVE
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INFO

SHOW GUIDE

Welcome to the **HORNBY MAGAZINE** Show Guide – your guide to the exhibitions that are taking place throughout the country each weekend. This listing is a guide to events planned by model railway clubs and societies and is updated each issue. Entries marked in blue are new shows to the listing. We recommend checking the society website or using the contact details provided to check a show or event is on before travelling. All information is provided in good faith and *Hornby Magazine* cannot be held responsible for any changes that may take place following publication.

JULY 2013

13 St Thomas Church, Brentwood, Model Railway Exhibition

Hosts: Association of South Essex Railway Modellers
Location: St Thomas Church, St Thomas's Road, Brentwood, Essex CM14 4DB
Times: 10.30am-4.30pm
Prices: Adults £4, Concessions £3.50, Children (5-15) £1.50, Family (2+2) £10
Contact: 01277 225206
Features: 15 layouts from six Essex Model Railway Clubs plus three private layouts in a joint exhibition in aid of church funds, trade support, refreshments, parking nearby and disabled access.

13 Sheredes School 20th Annual Model Railway Exhibition

Hosts: Sheredes School Association
Location: Sheredes School, Cock Lane, Hoddesdon, Herts EN11 8JY
Times: 10.30am-5pm
Prices: Adults £4.50, Concessions £3, Family (2+2) £12
Contact: 01992 467967 or 07866 641215
Features: At least 25 layouts in a variety of scales and gauges, trade support, societies and clubs, refreshments and free parking. All profits to Sheredes School projects.



Hosts: Hornby Magazine/Hartlepool Model Railway Group
Location: Hartlepool College of Further Education, Stockton Street, Hartlepool TS24 7LB
Times: Sat 9.30am-5.30pm, Sun 9.30am-4pm
Prices: In advance (before June 30 – including programme): Adults £5, Concessions £4, Children £4, Family £13.00. On the day (including programme): Adults £6, Concessions £4, Children £4, Under 5s free, Family (2+3) £16.00
Website: www.hornbymagazine.com
Contact: 01780 480404
Features: Up to 25 layouts from 'N' to 'G' scale including Thornbury Hill (HM63), Rhydy-Clafdy (HM62), *Hornby Magazine's* St Stephens Road and Fisherton Sarum (HM22), extensive trade support, demonstrations by Phil Parker, Paul Chetter and others, refreshments, disabled access and parking onsite. Proceeds from the event go to the Great North Air Ambulance and Hartlepool District Hospice.

13/14 Calne Model Railway Show

Hosts: Bentley Model Railway Group
Location: Calne Leisure Centre, White Horse Way, Calne, Wiltshire SN11 0SP
Times: 10am-5pm both days
Prices: Adults £4.50, Concessions £4, Children £3
Website: www.calnemrs.org.uk
Contact: 01249 657283 (in advance), 01249 819160 (during show)
Features: 12 layouts, trade support, refreshments and free parking.

13/14 Crewe Model Railway Show and Miniature Railway Summer Gala

Hosts: Crewe Heritage Centre
Location: Crewe Heritage Centre, Crewe, Cheshire
Times: 10am-4.30pm both days
Prices: Adults £6, Concessions/Children £3, Family £14
Website: www.chcmr.co.uk
Contact: 07918 087086
Features: Visiting layouts and locos, trade support and all other Crewe Heritage Centre attractions open.

14 Gainsborough Model Railway Open Days

Hosts: Gainsborough Model Railway Society
Location: Florence Terrace, Gainsborough, Lincs DN21 1BE
Times: 1.30pm-6pm
Prices: Adults £4, Concessions/Children £3, Family (2+2) £10
Website: www.gainsboroughmodelrailway.co.uk
Contact: 01427 615871
Features: One of the largest 'O' gauge model railways in the Country. Dozens of trains formed from over 150 locomotives and over 400 items of rolling stock running on more than half a mile of track.

20 The 2013 Festival of Model Tramways

Hosts: The Tramway and Light Railway Society
Location: Arnhem Gallery, Fairfield Halls, Park Lane, Croydon CR9 1DG
Times: 10am-5pm
Prices: Admission £8, Children admitted free but must be accompanied by an Adult
Website: www.tramwayinfo.com
Contact: 0208 948 0721
Features: Working model tramways, trade support, demonstrations, static displays, societies, models competition, parking nearby. East Croydon station is five minutes walk from the venue.

20 Northampton Model Railway Exhibition

Hosts: Northampton and District Model Railway Club
Location: Northampton High School, Newport Pagnell Road, Hardingstone, Northampton NN4 6UU
Times: 10am-4pm
Prices: Adults £5, Concessions £4, Family £12
Website: www.ndmrc.org
Contact: 01604 890275
Features: 30 layouts, trade support, demonstrations, societies and clubs, refreshments, free parking and disabled access.

20/21 Clitheroe Model Railway Show

Hosts: Blackburn and East Lancs Model Railway Society
Location: St Mary's Centre, Church St, Clitheroe BB7 2DG
Times: Sat 10am-5pm, Sun 10am-4pm
Prices: Adults £2.50, Accompanied Children free admission, Unaccompanied Children £1
Website: www.belmrs.org
Contact: 01254 238187
Features: Layouts in various gauges, trade support, demonstrations, refreshments, parking nearby. Venue is five minutes walk from the railway station.

20/21 Gravesend Central Model Railway Show

Hosts: Gravesend Railway Enthusiasts Society
Location: The Old Town Hall, High Street, Gravesend, Kent DA11 0AZ
Times: Sat 10am-5pm, Sun 10am-4pm
Prices: Adults £2.50, Children (5-15) £1, Family (2+2) £5
Website: www.gres.org.uk
Contact: 01474 326232
Features: Layouts including model trains for children to operate, town centre location, parking nearby (free on Sunday) and disabled access.

20/21 Guildford Model Steam Rally and Exhibition

Hosts: Guildford Model Engineering Society
Location: Stoke Park (eastern end), London Road, Guildford, Surrey GU1 1TV
Times: 11am-5pm both days
Prices: Adults £8, Concessions £7, Children free admission
Website: www.gmes.org.uk
Contact: 01483 536937
Features: Model engineering exhibition, steam train rides, model traction engines and aero engines, model boating pool, model railways from 'OO' to 7 1/4in gauge, trade support, demonstrations and free parking.

20/21 New Milton Model Railway Exhibition

Hosts: South Coast Rails Model Railway Club
Location: Arnewood School, Gore Road, New Milton, Hampshire BH25 6RS
Times: Sat 10am-5pm, Sun 10am-4.30pm
Prices: Adults £4, Concessions £3.50, Children £2.50, Family £10
Contact: 07984 454787
Features: 19 layouts from 'N' to Gauge 1, trade support, refreshments, free parking nearby, disabled access.

21 Oswestry, Cambrian RailEx

Hosts: Cambrian Heritage Railways with Borders Model Railway Club
Location: The Railway Station, Oswestry
Times: 10am-5pm
Prices: Adults £6, Concessions £5, Children free admission
Website: www.bordersmodelrailwayclub.com
Contact: 07973 412789
Features: 15 layouts from 'N' to 'O' gauge, trade support and disabled access. Admission includes a brake van ride from Oswestry to Middleton Road Bridge plus a trip on the Llyncllys line (four miles away).

21 Penarth Model Railway Exhibition

Hosts: Barry and Penarth Model Railway Club
Location: Paget Rooms, Victoria Road, Penarth CF64 3EG
Times: 10.30am-4.30pm
Prices: Adults £3, Children £2
Website: www.bpmrc.org.uk
Contact: 029 2066 7225
Features: More than ten layouts in various scales and gauges, trade support and refreshments. Some exhibits are on the balcony and only accessible by stairs.

27 Barnstaple Model Railway Exhibition

Hosts: Barnstaple Model Railway Club
Location: Christ Church, Bear Street, Barnstaple EX32 7BU
Times: 10am-4pm
Prices: Adults £3, Concessions £2.50, Accompanied Children under 16 free admission
Contact: 01271 370654 (evenings only please)
Features: 12 layouts in popular scales, trade support, pay and display parking and disabled access.

27 Pevensey, East Sussex, Model Railway Exhibition

Hosts: Pevensey Bay Model Railway Club
Location: Pevensey Memorial Hall, Church Lane, Pevensey, East Sussex BN24 5LA
Times: 10am-4.30pm
Prices: Adults £3.50, Concessions £3, Children £1.50, Family (2+2) £8
Website: www.pevenseybaymrc.co.uk
Contact: 01323 763590 or 07774 185651
Features: 13 working layouts in various gauges including themed childrens' layout, trade support, ride on steam railway, refreshments, limited onsite parking, pay and display parking 400yds and disabled access.

27/28 Cupar Model Rail 2013
Hosts: Cupar and District Model Railway Club
Location: The Corn Exchange, St Catherine Street, Cupar KY15 4BT
Times: Sat 10am-5pm, Sun 10am-4.30pm
Prices: Adults £4, Concessions £3, Children £2
Contact: 07739 467301 or 07751 498286
Features: Working layouts, trade support and refreshments.

27/28 Llandudno Model Railway Exhibition
Hosts: Colwyn Model Railway Club
Location: Craig y Don Community Centre, Queens Road, Llandudno LL30 1TE
Times: 10.30am-4.30pm both days
Prices: Adults £3.50, Children £2
Website: www.colwynmodelrailwayclub.co.uk
Contact: 07585 481408
Features: At least 12 layouts from 'N' to 'O' gauge, British and American outline, trade support, tramway society, refreshments and free parking.

27/28 St John's Charity Exhibition - Stoke on Trent
Hosts: N'thusiasts
Location: St John's Primary School, Trent Vale, Stoke on Trent ST4 6SB
Times: Sat 10.30am-5pm, Sun 10.30am-4.30pm
Prices: Adults £4, Concessions/Children £3, Family (2+2) £10
Contact: 07747 087050
Features: 17 layouts from 'N' gauge to 'G' scale, 45mm live steam, classic cars, dolls house display, trade support, demonstrations, refreshments, free parking and disabled access. Proceeds to Macmillan Cancer Research and Midlands Air Ambulance.

28 Thirsk Annual Model Railway Exhibition
Hosts: Thirsk and District Model Railway Group
Location: Thirsk Town Hall, Westgate, Thirsk, North Yorkshire
Times: 10am-4pm
Prices: Adults £3.50, Concessions/Children £2, Family (2+2) £9
Website: www.expo-thirsk.co.uk
Contact: 07766 697708
Features: At least 12 layouts in various scales and gauges, demonstrations and refreshments.

AUGUST 2013

3 Exmoor Rail - Minehead
Hosts: Exmoor Coast Railway Modellers
Location: Minehead Eye, Mart Road, Minehead TA24 5BJ (next to West Somerset Railway Station)
Times: 10am-4.30pm
Prices: Adults £3.50, Children £1, Family (2+2) £7
Contact: 01643 706736
Features: A wide selection of layouts, trade support, demonstrations, refreshments and disabled access. Pay and Display car park opposite or free parking on adjoining roads.

3/4 GCRN Model Railway Event 2013
Hosts: Great Central Railway - Nottingham
Location: Nottingham Transport Heritage Centre, Mere Way, Ruddington, Nottingham NG11 6NX
Times: 10am-5pm both days
Prices: Adults £5 (£12), Children £3 (£6), Family (2+3) £12 (£30) - prices in brackets include unlimited travel on the standard gauge heritage railway
Website: www.gcrn.co.uk
Contact: 07801 104598
Features: Resident layouts and at least 12 visiting layouts from 'N' to 'O' gauge, British, Continental and American with both DCC and DC control, ride on miniature railway, trade support, refreshments and free parking. Ten mile heritage railway operated by steam and/or diesel traction.

3/4 Redcar 20th Annual Model Railway Exhibition
Hosts: Cleveland Model Railway Club
Location: Redcar and Cleveland College, Corporation Road, Redcar TS10 1EZ
Times: Sat 10am-5pm, Sun 10am-4pm
Prices: Adults £4.50, Concessions £3.50, Family (2+2) £12.50
Website: www.cleveland-mrc.org.uk
Contact: 01642 471130

Features: 13 working layouts from 2mm to 7mm scale, trade support, demonstrations, displays, club sales, refreshments, free parking and disabled access. Venue is 10mins walk from Redcar railway station. There will be a display from Cleveland Ironstone Mining Museum.

10 Bexhill Model Railway Exhibition
Hosts: Bexhill on Sea Model Railway Club
Location: St Peter's Community Centre, Church Street, Old Town, Bexhill on Sea TN40 2HE
Times: 10am-5pm
Prices: Adults £3.50, Concessions £3, Children £1.50, Family (2+2) £8
Website: www.bexhillmrc.org.uk
Contact: 01424 843379
Features: Layouts from 'N' to 'O' gauge, sales stands, club second hand table, refreshments, free parking nearby and disabled access.

10 East Anglia Garden Railway Show
Hosts: Bressingham Steam Museum
Location: Bressingham Steam Museum, Bressingham, nr Diss, Norfolk IP22 2AA
Times: 10.30am-5.30pm
Prices: Admission £5
Website: www.bressingham.co.uk
Contact: 01379 686912
Features: Garden railway layouts, trade support, miniature steam traction engine rally, three narrow gauge passenger railways and Victorian steam gallopers in operation.

10/11 Railwells 2013 including Scalefour South West
Hosts: Wells Railway Fraternity
Location: The Town Hall, Market Place, Wells, Somerset BA5 2RB
Times: Sat 10.30am-5.30pm, Sun 10.30am-5pm
Prices: Adults £5, Concessions/Children £4, Accompanied Children under 14 free admission
Website: www.railwells.com
Contact: 01749 938362
Features: At least 13 layouts in a variety of scales and gauges, trade support, demonstrations, displays and free parking, two layouts under construction and a special section on Austrian Railways.

11 West Wales Model Railway Exhibition
Hosts: Nigel Bird Books
Location: Llwynycelyn Memorial Hall, Llwynycelyn, nr Aberaeron SA46 0HF (2 miles south of Aberaeron on A487)
Times: 10am-4.30pm
Prices: Adults £3.50, Concessions/Children £3, Family (2+2) £8, free admission to cub and beaver scouts in uniform if accompanied by an adult
Contact: 01974 821281 or 01974 821444
Features: 15 layouts and displays in various gauges, trade support, ride on railway, refreshments, free parking and disabled access. Display of models inspired by the late Rowland Emets cartoons and all proceeds to the Aeron Valley Railway Society.

17 Ludlow Model Railway Exhibition
Hosts: Craven Arms and District Model Railway Club
Location: Ludlow Racecourse, Bromfield (1.5m north of Ludlow off A49) SY8 2BT
Times: 10am-4.30pm
Prices: Adults £2.50, Concessions £2, Children £1.50
Contact: 01588 672145
Features: Around 20 layouts in various gauges, trade support, static displays, refreshments, free parking and disabled access.

17 Silverfox DCC Annual Model Railway Exhibition
Hosts: Silverfox DCC Model Railway Club
Location: The Webber Independent School, Soskin Drive, Stantonbury Fields, Milton Keynes MK14 6DP
Times: 10am-4.30pm
Prices: Adults £4, Children £2.50, Family (2+2) £10
Website: www.silverfoxdcc.org
Contact: 01908 318793 (evenings only please)
Features: More than 18 layouts from 'Z' to 'O' gauge and trade support. Outdoor train rides provided by Milton Keynes Model Engineering Society.

17/18 Pickering Model Railway Show 2013
Hosts: Scarborough and District Railway Modellers
Location: The Memorial Hall, Potter Hill, Pickering, North Yorkshire YO18 8AA
Times: Sat 10am-5pm, Sun 10am-4pm

Prices: Adults £3.50, Concessions £3, Children £2, Family (2+3) £9
Website: www.sdrmw.co.uk
Contact: 01723 865520
Features: 10 layouts from 'N' to 'O' gauge including Thomas the Tank, trade support and demonstrations.

DON'T MISS

17/18

MIDLAND RAILEX

Hosts: The Midland Railway - Butterley
Location: The Midland Railway - Butterley, Butterley Station, Ripley, Derbyshire DE5 3QZ
Times: Sat 10am-5pm, Sun 10am-4pm
Prices: Adults £10, Concessions £9, Children £5, Family (2+3) £25
Contact: 01773 570140
Website: www.midlandrailex.co.uk
Features: More than 20 high quality layouts from 'N' gauge to 'O' gauge, trade support, demonstrations, HMRS museum open together with the Matthew Kirtley Museum and Princess Royal Class Locomotive Trust West Shed. Standard gauge trains will be in operation on the preserved railway linking Butterley with Swanwick Junction. Supported by Hornby Magazine. Refreshments and free parking available.

24 North Cornwall and Devon Club Open Day - Bude
Hosts: North Cornwall and Devon Model Railway Club
Location: The Parkhouse Centre, Ergue-Gaberic Way, Bude, Cornwall EX23 8LP
Times: 10am-4.30pm
Prices: Adults £1, Accompanied Children free admission, otherwise 50p
Contact: 01566 772667
Features: Layouts in 'N', 'OO', 'OO9', 'O' gauge and 'G' scale including Hornby Dublo three-rail plus live steam and Thomas layout for children to operate, trade support, sales, raffle and refreshments. Bring your own trains to run on the clubs layouts.

24 Rhyl Model Railway Exhibition and Collectors Fair
Hosts: Rhyl in Bloom Organising Committee
Location: Rhyl Town Hall LL8 1AB
Times: 10am-4pm
Prices: Adults £1, Children under 16 free admission
Contact: 07967 681080
Features: Layouts

24/25 Carrickfergus Model Railway Exhibition
Hosts: Ulster Model Railway Club
Location: Carrickfergus Museum and Civic Centre, Carrickfergus, Northern Ireland BT38 7DG
Times: Sat 10am-6pm, Sun 1pm-5pm
Prices: Free admission
Website: www.ulstermodelrailwayclub.co.uk
Contact: 07850 953563
Features: Layouts.

24/25 Railex NE - North Shields
Hosts: Blyth and Tyne Model Railway Society
Location: The Parks Sports Centre, Howdon Road, North Shields NE29 6TL
Times: Sat 10am-5pm, Sun 10am-4pm
Prices: Adults £5, Children £3, Family (2+2) £13
Contact: 07900 431042
Features: Up to 40 layouts of British and International outline from 'N' to 'O' gauge, trade support, demonstrations, Meccano displays, refreshments, free parking, disabled access and soft play area for children. Venue is on A187 five minutes north of the Tyne Tunnel.

24/25 Sedgemoor Rail 2013
Hosts: Burnham and District Model Railway Club in conjunction with the Wessex Association of Model Railway Clubs
Location: King Alfred School, Highbridge TA9 3EE
Times: Sat 10.30am-4.30pm, Sun 10am-4pm
Prices: Adults £3.50, Concessions/Children £3, Accompanied Children £1, Family (2+2) £8
Contact: 01278 459558 or 01278 786092

Features: A range of layouts, trade support, demos, club's own limited edition wagons for sale, refreshments, free parking and disabled access. Sponsored by Ray Heard Model Railways.

24/25/26 Corris Model Railway and Toy Exhibition

Hosts: Corris Railway Society
Location: Y Plas, Heol Pentrehedyn, Machynlleth, Powys SY20 8ER
Times: 10.30am-5pm each day
Prices: Adults £3.50, Concessions £3, Children £2, Family (2+2) £9
Contact: 01745 337821
Features: Up to 22 layouts from 'N' gauge to 'G' scale plus 5in and 3.5in gauges static displays, toys, trade support, second hand stalls, hand crafted jewellery and glass for sale, refreshments, pay and display parking nearby and disabled access. Corris Railway steam passenger trains will run hourly from Corris station (5miles north of the venue).

24/25/26 Gainsborough Model Railway Open Days

Hosts: Gainsborough Model Railway Society
Location: Florence Terrace, Gainsborough, Lincs DN21 1BE
Times: Sat/Sun 1.30pm-6pm, Mon 10.30am-6pm
Prices: Adults £4, Concessions/Children £3, Family (2+2) £10
Website: www.gainsboroughmodelrailway.co.uk
Contact: 01427 615871
Features: One of the largest 'O' gauge model railways in the country. Dozens of trains formed from over 150 locomotives and over 400 items of rolling stock running on more than half a mile of track.

25 Hoddesdon Annual Model Railway Show

Hosts: Hoddesdon Model and Railway Club
Location: Club Site, The Old Mill, Mill Lane, Broxbourne, Herts EN10 7AX
Times: 10am-5pm
Prices: Adults £2, Children £1
Website: www.hoddesdonmrc.co.uk
Contact: 01707 898420
Features: Working indoor and outdoor layouts from 'N' gauge to 'G' scale plus 5in, 3.5in and 2.5in gauges, children's rides, trade support, radio controlled boats on club pool, sales stand and refreshments.

25/26 Neath Model Railway Exhibition

Hosts: Neath Model Railway Club, Cefn Coed Museum Group
Location: Cefn Coed Museum, Crynant, Neath
Times: 10am-4.30pm both days
Prices: Admission free
Contact: 01639 750237
Features: Layouts including children's play layout, sales stands, refreshments and free parking.

31 Hillingdon Test Track Open Day

Hosts: Hillingdon Railway Modellers
Location: Yiewsley Baptist Church Hall, 74 Colham Avenue, Yiewsley, Hillingdon, London UB7 8HF
Times: 10am-4pm
Prices: Admission £4
Website: www.hillingdonrailwaymodellers.co.uk
Contact: 020 8368 4090
Features: This is not an exhibition but bring your 'O' and 'OO' gauge locos and trains to run on the club's two large test tracks, DC and DCC available but no live steam. Bring and buy stall and refreshments, expert help on hand.

31 March Club Open Day

Hosts: March and District Model Railway Club
Location: St Peter's Church Hall, March, Cambridgeshire PE15 9JR
Times: 10am-4.30pm
Prices: Admission £1
Website: www.mdmrc.co.uk
Contact: 01354 680032
Features: Club layouts, trade support, demonstrations and refreshments. Come and see how the club builds and operates model railways.

31 Tadworth Autumn 2013 Model Railway Exhibition

Hosts: North Downs Model Railway Circle
Location: The Good Shepherd Church Hall, Station Approach Road, Tadworth, Surrey KT20 5AE
Times: 10am-5pm
Prices: Adults £5, Concessions £4, Children £3, Family (2+2) £10

Website: www.ndmrc.info

Contact: 07758 458827

Features: 21 layouts of British, Continental and American outline, trade support, refreshments, free parking and disabled access. All proceeds to the Good Shepherd Church.

31/1 SEPT Andover Model Railway Exhibition

Hosts: Andover Railway Model Club
Location: Winton Academy School, London Road, Andover SP10 2PS
Times: Sat 10am-5pm, Sun 10am-4pm
Prices: Adults £5, Concessions £4.50, Children £1
Website: www.amrc.hampshire.org.uk
Contact: 07590 429643
Features: More than 20 layouts in a variety of scales, trade support, demonstrations, club stands, refreshments, free parking and disabled access.

31/1 SEPT Model Rail Weekend - Swansea

Hosts: The Swansea Railway Model Group
Location: National Waterfront Museum, Swansea SA1 3RD
Times: 11am-4pm both days
Prices: Free Admission
Contact: 02920 573602
Features: Layouts

SEPTEMBER 2013

1 Bognor Regis Club Open Day

Hosts: Bognor Regis Model Railway Club
Location: The Clubroom, Aldingbourne Community Centre, Olivers Meadow, Westergate, West Sussex PO20 3YA
Times: 10.30am-4.30pm
Prices: Admission £1, Family £4
Website: www.brmmc.co.uk
Contact: 01243 544351
Features: Up to six club layouts including childrens operated layout, one trade stand, club information, refreshments, free parking and disabled access. This event is to mark the opening of the new clubroom.

1 Bressingham Model Railway Show

Hosts: Bressingham Steam Museum
Location: Bressingham Steam Museum, Bressingham, near Diss, Norfolk IP22 2AA
Times: 10.30am-5pm
Prices: Admission £5
Website: www.bressingham.co.uk
Contact: 01379 686912
Features: Layouts, trade support, three narrow gauge passenger railways and Victorian steam gallopers in operation.

7/8 Accrington Model Railway Show

Hosts: Blackburn and East Lancs Model Railway Society
Location: Hyndburn Leisure Centre, Henry Street, Church, Accrington BB5 4EP
Times: 10am-5pm both days
Prices: Adults £7 (2 day ticket £10), Accompanied Children free admission, Unaccompanied Children £4
Website: www.belmrs.org
Contact: 01254 238187
Features: More than 16 layouts, trade support, demonstrations, societies, refreshments, free parking and disabled access.

7/8 26th Grantham Rail Show

Hosts: Grantham Railway Society
Location: Walton Girls High School, Kitty Briggs Lane, off Harlaxton Road (A607), Grantham NG31 7JR
Times: Sat 10am-5pm, Sun 9.30am-4.30pm
Prices: Adults £4, Concessions £3, Children £2, Family (2+2) £10
Contact: 01476 407569
Features: 14 layouts, trade support, demonstrations, refreshments, onsite parking and disabled access. Bus service from town centre on Saturday.

7/8 The International N Gauge Show

Hosts: Meridienne Exhibitions
Location: Warwickshire Exhibition Centre, Nr Leamington Spa CV31 1XN
Times: Sat 10am-5pm, Sun 10am-4pm
Prices: Adults £9.50 (£8.50), Concessions £8.50 (£7.50), Children (5-14inc) £4.50 (£3.50), Family (1+3) £14 (£12), Family (2+3) £23.50 (£20.50) - Prices in brackets are for advance purchase tickets
Website: www.ngaugheshow.co.uk

Contact: 01926 614101

Features: More than 20 'N' gauge layouts, over 40 specialist trade stands and society stands.

7/8 Fordingbridge Model Railway Show

Hosts: Reg and Mary Hunt
Location: Woodgreen Village Hall, Woodgreen, nr Fordingbridge, Hampshire SP6 2AJ
Times: Sat 10.30am-5pm, Sun 10.30am-4.30pm
Prices: Adults £3, Concessions £1.50, Children £1
Contact: 01725 511977
Features: Wrenn and Hornby two-rail layout, Hornby Dublo three-rail layout plus other layouts in 'N' and 'OO' gauge, trade stands, traction engines, refreshments, parking and disabled access. Proceeds to Woodgreen Village Hall Fund and Help for Heroes.

14 Bury St Edmunds Model Railway Exhibition

Hosts: Bury St Edmunds Model Railway Club
Location: Village Hall, Risby, Bury St Edmunds IP28 6RT
Times: 10am-4pm - last admission 3pm
Prices: Adults £4.50, Concessions £3.50, Children £2.50 - all children must be accompanied by an adult
Website: www.burystedmundsmrc.com
Contact: 01359 250351
Features: 17 working layouts from 'N' gauge to 'G' scale, trade support, demo, refreshments, free parking and disabled access. Tombola in aid of East Anglian Air Ambulance and St Nicholas Hospice.

14 Gillingham (Dorset) Model Railway Exhibition

Hosts: Shaftesbury and Gillingham Railway Society
Location: Gillingham Primary School, School Road, Gillingham, Dorset SP8 4QR
Times: 10am-4.30pm
Prices: Adults £4, Children (5-15) £2, Family (2+2) £10
Contact: 01747 830615
Features: Ten layouts, trade support, refreshments, car parking and disabled access.

14 Huddersfield Club Open Day

Hosts: Huddersfield Railway Modellers
Location: The Club Rooms, Stonefield Mills, Tanyard Road, Milnsbridge HD3 4NB
Times: 10am-4pm
Prices: Free admission
Contact: 07950 425782
Features: Layouts in popular scales including DCC and 16mm live steam, demonstrations, members on hand to offer advice, bring your own stock, refreshments, free parking but regret no disabled access.

DON'T MISS

14/15

SWINDON RAILWAY FESTIVAL

Hosts: STEAM - the Museum of the Great Western Railway
Location: STEAM, Fire Fly Avenue, Kemble Drive, Swindon SN2 2EY
Times: 10am-5pm both days
Prices: Adults £10, Concessions £8.50, Children £7.50, Family (2+1) £25, Family (2+2) £30. Under threes go free.
Contact: 01793 466637
Website: www.steam-museum.org
Features: More than 20 layouts including 82G (as featured on pages 16-25 of this issue), Dalby Wood (HM41) and Hornby Magazine's St Stephens Road. Sponsored by Hornby Magazine. Trade support, refreshments, demonstrations, disabled access, pay and display parking nearby.

PLANNING AN EXHIBITION?

● Is your club or society planning a model railway exhibition? *Hornby Magazine's* Show Guide is a free listing which allows you to promote a forthcoming model railway show to the readers. Contact *Hornby Magazine* by calling 02476 419420 or e-mail: showguide@wildcommms.com Please ensure you include appropriate contact details for the public as we are unable to publish the listing without this.

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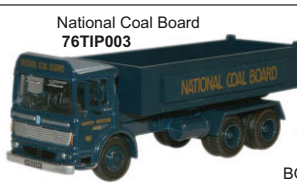
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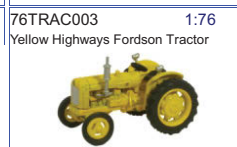
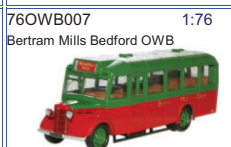
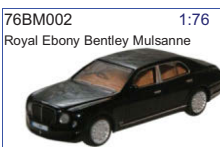
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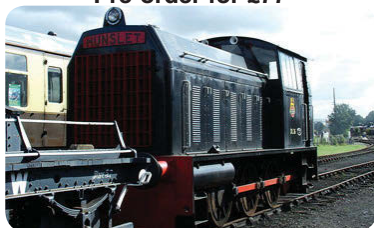
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372-978 Class 24 diesel 24081 BR blue yellow ends (Gra) . . . £82.45

372-979 Class 24 diesel D5085 BR two-tone green (Gra) . . . £82.45

ND145H Class 26 diesel D5307 in BR green headcode discs (Dap) . . . £78

ND205C Class 27 diesel 27008 in BR blue plated gangway doors (Dap) . . . £86

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371-777 Class 90 electric 90046 electric Freightliner. (Gra) (list £100) . . . **BARGAIN** . . . £60

HSTs

ND122H Class 43 HST Book Set in blue/grey (Dap) . . . £128

ND122a Class 43 HST Book Set in Grand Central Livery (new version one dummy power car) (Dap) . . . £128

ND122J Class 43 HST Book Set in Virgin Trains 43094 & 43104 (Dap) . . . £128

DMUs

371-502 Class 101 2-car DMU BR blue (Gra) (list £116.70) . . . **BARGAIN** . . . £66

371-503 Class 101 2-car DMU BR blue & grey 'Express Parcels' (motor in each car) (Gra) (list £127.35) **BARGAIN** £79

371-511 Class 101 3-car DMU BR blue & grey (Gra) . . . £89

371-877 Class 108 2 car DMU BR blue & grey (Gra) (list £116.70) . . . **BARGAIN** . . . £76

371-876 Class 108 2 car DMU in BR blue (Gra) . . . £78

371-885 Class 108 3-car DMU in BR blue (Gra) (list £127.35) . . . £69

ND209BD Class 122 Gloucester RCW 'Bubblecar' single car DMU 55000 (122100) in Regional Railways. DCC fitted (Dap) **NEW** . . . £103

ND209A Class 122 Gloucester RCW 'Bubblecar' single car DMU 55005 in BR blue/grey (Dap) . . . £86

ND209C Class 122 Gloucester RCW 'Bubblecar' single car DMU Route Learning Car in BR blue D1897502/55001 (Dap) . . . £86

ND209CD DCC fitted (Dap) . . . £103

ND114H Class 153 powered 'Northern Transpenine'. (Dap) (list £106.95) . . . **BARGAIN** . . . £68

ND112b Class 156 2 car DMU 156416 Regional Railways (Dap) . . . £85

ND112A Class 156 2 car DMU 156468 Northern Rail (Dap) . . . £87

NEW

371-433 Class 170/4 3 Car DMU 170434 in First ScotRail (Gra) **NEW** . . . £110.46

371-432 Class 170/5 2 car DMU 170504 in London Midland (Gra) (list £121.25) . . . **BARGAIN** . . . £78

371-740 Class 251 Blue Pullman 6 car Midland set in Nanking blue. (Gra) . . . £210

371-701 Class 350/2 Desiro 4 Car EMU 350 238 in London Midland (Gra) £122

372-677 Class 411 4 CEP 4 car EMU in BR blue & grey (Gra) . . . £124

Coaches

NC209a Gresley LNER Teak 3rd Class # 60648. Light bar ready (Dap) . . . £19

NC209d Gresley LNER Teak 3rd Class # 60651. Light bar ready (Dap) £19

374-014A Mk1 SO second open in chocolate & cream (Blue Riband). (Gra) . . . £16

374-035 Mk1 BG full brake in crimson & cream (Blue Riband). (Gra) . . . £16

374-160 Mk1 FK first corridor in crimson & cream (Gra) . . . £16.75

374-120 Mk1 RU restaurant car in crimson & cream (Gra) . . . £16.75

374-084 Mk1 BCK brake corridor composite in maroon (Blue Riband). (Gra) £16

374-257B Mk1 CK composite corridor in maroon (Gra) . . . £16.75

374-161 Mk1 FK first corridor in maroon (Gra) . . . £16.75

374-121 Mk1 RU restaurant car in maroon (Gra) . . . £16.75

374-808 BR Mk1 RFO Restaurant Car Maroon (Gra) . . . £17.81

2P-000-101 Collett 2nd class coach W1117 in BR maroon/crimson (Dap) . . . £17

2P-000-001 Collett composite coach W7016 in BR maroon/crimson (Dap) . . . £17

2P-000-002 Collett composite coach W7021 in BR maroon/crimson (Dap) . . . £17

374-240 Mk1 BSP Pullman second bar car 'The Hadrian Bar' number & cream (Gra) . . . £16

NEW

374-680 BR MK2A BSO Brake Second Open Blue & Grey (Gra) **NEW** . . . £17.81

374-950 BR MK2A FK First Corridor Blue & Grey (Gra) **NEW** . . . £17.81

374-258B Mk1 CK composite corridor in blue & grey (Gra) . . . £16.75

374-164 Mk1 FK first corridor in blue & grey (Gra) . . . £16.75

374-819 Mk1 FO First Open Blue & Grey (Blue Riband). (Gra) . . . £16

374-110 Mk1 RMB mini buffet car in blue & grey (Blue Riband). (Gra) £16

374-122 Mk1 RU restaurant car in blue & grey (Gra) . . . £16.75

374-811 BR Mk1 RFO Restaurant Car Blue & Grey (Gra) . . . £17.81

374-901A BR Mk1 TPO Post Office red (with side lights) (Gra) . . . £23.51

374-476A BR Mk1 SLEP Sleeper Car ScotRail (Gra) **NEW** . . . £15.26

2P-005-002 Mk3 coach twin pack - buffet & Mk3 2nd class 'Wrexham & Shropshire' (Dap) . . . £30

2P-005-003 Mk3 coach twin pack - buffet & Mk3 2nd class 'Pretendolino' (Dap) . . . £30

Wagons

377-575C 102 Tonne glw IIA Bulk Coal Hopper Wagon GBRF (VTG) (Gra) £21.08

377-975 12 Ton Eastern Ventilated Van Planked Ends LNER Oxide (Gra) . . . £70

377-975 12 Ton Eastern Ventilated Van Planked Ends LNER Oxide (Gra) . . . **BARGAIN** . . . £28

2F-034-012 21 Ton hopper wagon 'BR' - weathered (Gra) . . . £8

NEW

377-827A 22 Ton Presflo Bulk Powder Wagon 'Blue Circle Bulk Cement' in brown (Gra) **NEW** . . . £10.84

377-828A 22 Ton Presflo Bulk Powder Wagon 'Cement Marketing Board - Snowcrete' Light Grey (Gra) **NEW** . . . £10.84

373-217 24 Ton ore hopper wagon 'Richard Thomas' (Gra) **NEW** . . . £9.31

373-216 24 Ton ore hopper wagon BR Brown (Gra) **NEW** . . . £9.31

NEW

373-215 24 Ton ore hopper wagon BR Grey Iron Ore (Gra) **NEW** . . . £9.31

2F-031-004 6 wheel milk tanker 'United Creameries' (Dap) . . . £11

377-225Z 6 X BR grey 16 Ton weathered steel mineral wagons end door & different run no. Ltd ed of 500 (Gra) . . . £37.50

377-602A 80 Tonne BDA Bogie Bolster Wagon EWS. (Gra) (list £22.20) . . . **BARGAIN** . . . £14

377-102A 90 tonne JGA Bogie Hopper 'Tarmac'. (Gra) . . . £16

377-900 BAA Steel Carrier Wagon Coils Railfreight Red & Black (Gra) . . . £18

2F-036-001 Bulk grain hopper 'BR' (Dap) . . . £10

377-902 BZA Steel Carrier Wagon Coils EWS (Gra) . . . £18

2F-047-002 CCT parcel van in BR Maroon (ex-NB080B) (Dap) . . . £12

2F-044-001 Fruit D wagon #2881 GWR Shrubton in GWR brown (Dap) . . . £12

2F-014-002 Fruit D wagon #2886 G.W. lettering in GWR brown (Dap) £12

2F-014-004 Fruit D wagon #W2023 BR maroon straw lettering & grey roof (Dap) . . . £12

2F-014-003 Fruit D wagon #W38107 in BR blue dark grey roof (Dap) . . . £12



UK P&P £4 PER ORDER
£2 per single diecast item

£7 guaranteed Next Day delivery
(Orders before 2pm)

2F-060-004 Grampus wagon DB981487 Engineers grey & yellow 'Dutch' (Dap) **NEW** £11
2F-060-007 Grampus wagon DB986703 'Taunton Concrete' Olive green (Dap) **NEW** £11
2F-060-003 Grampus wagon DB988546 Engineers grey & yellow 'Dutch' (Dap) **NEW** £11
2F-060-001 Grampus wagon DB989641 in Indian red (Dap) **NEW** £11
2F-060-002 Grampus wagon DB989648 in Indian red (Dap) **NEW** £11

NEW



2F-060-008 Grampus wagon DB991391 in BR black (Dap) **NEW** £11
2F-060-006 Grampus wagon DB991570 Engineers grey & yellow 'Dutch' (Dap) **NEW** £11
2F-060-009 Grampus wagon DB991601 in BR black (Dap) **NEW** £11
2F-060-005 Grampus wagon DB991643 Engineers grey & yellow 'Dutch' (Dap) **NEW** £11
373-901B HAA 46 Tonne MGR hopper in freight brown (Gra) £8
373-801C HHA 100 tonne bogie hopper wagon hinged end doors in Freightliner Heavy Haul (Gra) £22.02
377-352A Intermodal Bogie Wagons With Two 43ft Containers 'Sea Co.' (Gra) (list £36.95) **BARGAIN** £22
377-700 JJA Mk2 Auto-Ballast Generator Unit Railtrack (Gra) £23



377-702 JJA Mk2 Auto-Ballast Non-Generator Unit (Curved Top Profile) Railtrack (Gra) £23
377-701 JJA Mk2 Auto-Ballast Non-Generator Unit (Flat Top Profile) Railtrack (Gra) £23
377-650 MBA 'Monsterbox' EWS buffers (Gra) £16

NEW



373-360 Mk1 horse box in maroon (Gra) **NEW** £15.26
373-361 Mk1 horse box in maroon (Gra) **NEW** £15.26
373-362 Mk1 horse box in SR green (Gra) **NEW** £15.26
2F-024-001 Siphon G milk wagon 1447 in GWR (Dap) £11
2F-023-001 Siphon H milk wagon 1424 in GWR (Dap) £11
2F-023-003 Siphon H milk wagon 1428 in BR (Dap) **NEW** £11
377-725 SPA Wagon Steel Coils Railfreight Red (Gra) £12
377-725 Pack of 4 (Gra) (list £53.40) **BARGAIN** £46
373-666 Triple pack 14 Ton tank wagons 'Esso' - weathered (Gra) £24.31
377-840 Triple pack 22 Ton presflo wagons BR bauxite early - weathered (Gra) £30.98
377-935 Triple pack PCA metal bulk powder wagon grey - weathered (Gra) £27.58

Train sets - analogue



NSTEAM1 Train set Class 14xx steam loco in BR late green, Autocoach in maroon, Gaugemaster Combi controller and oval of track (Dap) £104
NDIESEL1 Train set Class J3 JB electro-diesel in BR blue, 2 x VTG ferrywagons, Gaugemaster Combi and oval of track (Dap) £104

Train sets - DCC



NDIESEL2 DCC train set Class 56 in LoadHaul, 3 x Telescopic steel wagons, Gaugemaster DCC23 decoder fitted (Dap) £232
NSTEM2 Flying Scotsman DCC train set with Class A3 Pacific 60163 in BR Green, 3 x Gresley coaches, Gaugemaster DCC23 decoder (Dap) £232

DCC decoders



DCC23 6-pin 2 Function 1A (2A peak) decoder (suitable for N gauge) (Gau) £24



36-558A 6-pin 2 Function decoder (suitable for OO & N gauge locos and use on analogue track) (Bac) £15.26
DCC22 8-pin 2 Function 1A (2A peak) very small decoder (Gau) £25
36-552 8-pin 2 Function 1A decoder (ideal for smaller OO and a small number of N gauge locos) (Bac) £12



36-553 8-pin 3 Function 1A decoder back EMF (for smaller OO and a small number of N gauge locos where space allows) (Bac) £12
BPDC26 8-pin 4 Function 1.2A (2A peak) Mini OPTI decoder x5 (Gau) £64
DCC26 8-pin 4 Function 1A (1.5A peak) small OPTI decoder (Gau) £13

Electronic components

GM52 Multi-voltage Track Tester (Gau) £5

Lighting equipment

NC040a Light Bar coach lighting unit for modern coaches/multiple units (Class 156/MkIII 'Plugs & Play') (Dap) £6

Spares

NSPARE7A 1 pair of coupling magnets (Dap) £5
NSPAREB 5 pairs of magnets - NEM couplers (Dap) £17
SL-311 Insulated Rail Joiners/Fishplates for N & 009 gauge (12 per pack) (Pec) £1.50
NSPAREB Magnetic coupling conversion kit for non-NEM couplings (Dap) £8
2A000011 Magnetic couplings - short arm multipack - 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
Manned scenic structure, railway-related
N-CAT 1 Overhead Catenary Single Mast (Pack of 10) (Dap) £4

Signals

NSIGN1 Signal - Motorised, GWR home lower quadrant (Dap) £22
NSIGN3 Signal - Motorised, LMS home upper quadrant (Dap) £22

Buildings - general

42-086 Ash Plant (Gra) £37
NST3 Bacon Butty Hut Kit (95667) (Anc) **NEW** £6

NEW



42-140 Bicycle Hut (Gra) **NEW** £5.06
42-076 Garage (Gra) £21
42-043 Lineside Transformer Site (Gra) (list £25.50) £24
42-208 Low Relief Bakery (Gra) **NEW** £9.78

NEW



42-212 Low Relief Block of Flats (Gra) **NEW** £24.61
42-209 Low Relief Butchers (Gra) **NEW** £9.78
42-214 Low Relief Railway Hotel (Gra) **NEW** £22.91
42-217 Low Relief Three Storey City House (Gra) **NEW** £14.03
42-048 Modern Industrial Unit (Gra) (list £25.50) £12
42-110 Nissan Hut (Gra) £11
42-081 Portable Offices (Gra) £16
42-125 Rural Workers Cottages (Gra) £21
NBUS1 Stone Built Bus Stop Kit (95668) (Anc) **NEW** £7

NFC1 Farm Cart (95671) (Anc) **NEW** £6
NBR2 Road Bridge Kit (95641) (Anc) **NEW** £9

Track - Setrack Code 80

ST-11 Double straight track (Pec) £1.10
ST-19 N Setrack No. 4 radius double curve (Pec) £2
ST-17 N Setrack No.3 radius double curve (8 form a circle) £1.20
298.5mm/11.75" radius (Pec) £1.75
ST-12 No.1 radius double curve (Pec) £1.20
ST-15 No.2 radius double curve (Pec) £1.25
ST-50 Right hand crossing (Pec) £8
ST-6 Setrack left hand point insulfrog (Pec) £8
ST-5 Setrack right hand point insulfrog (Pec) £8
ST-1 Standard straight track (Pec) £1



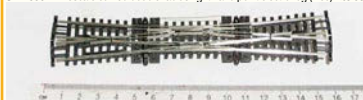
ST-300 Starter Track Set (Pec) £42

Track - Streamline Code 80

SL-302 1 yard (91.5cm) length of Concrete Sleeper Nickel Silver Flexible track (Pec) £2.70
SL-302 Pack of 25 (Pec) £53
SL-300 1 yard (91.5cm) length of Wooden-Sleeper Nickel Silver Flexible track (Pec) £2.60
SL-300 Pack of 25 (Pec) £52
SL-396 Left hand medium point electrofrog (Pec) £8
SL-396 Left hand medium point insulfrog (Pec) £8
SL-388 Right hand large point electrofrog (Pec) £9
SL-395 Right hand medium point electrofrog (Pec) £8
SL-395 Right hand medium point insulfrog (Pec) £8
SL-397 Y Point insulfrog (Pec) £8

Track - Streamline Code 55 Finescale

SL-300F Pack of 30 1 yard (91.5cm) length of Finescale Nickel Silver flexible track (Pec) £68
SL-300F Single (Pec) £2.90
SL-302F 1 yard of Nickel Silver Flexible Track Concrete Sleepers (Pec) £3
SL-302F Pack of 30 (Pec) £78
SL-396F 3-way Finescale turnout (Pec) £26
SL-397F Finescale curved double radius left hand point electrofrog (Pec) £30
SL-386F Finescale curved double radius right hand point electrofrog (Pec) £30



SL-E390F Finescale double slip electrofrog (Pec) £31
SL-390F Finescale double slip insulfrog (finescale only) (Pec) £31
SL-398F Finescale left hand large point electrofrog (Pec) £9.50
SL-396F Finescale left hand medium point electrofrog (Pec) £8.50
SL-392F Finescale left hand small point electrofrog (Pec) £8
SL-394F Finescale long crossing electrofrog (Pec) £10
SL-388F Finescale right hand large point electrofrog (Pec) £9.50
SL-395F Finescale right hand medium point electrofrog (Pec) £8.50
SL-391F Finescale right hand small point electrofrog (Pec) £8
SL-383F Finescale scissors crossover electrofrog (Pec) £52
SL-380F Finescale single slip insulfrog (Pec) £29
SL-397F Finescale Y Point. Electrofrog (Pec) £10

Railway publications



379-013 Graham Farish 2013 Catalogue (Gra) £5.32

Cars

NEW



NVW003 VW Minibus Fjord Blue/Arcona White (Oxf) **NEW** £3
NVW001 VW Van in Peru Green (Oxf) **NEW** £3

Commercial vehicles

NB34 Albion Caledonian tanker 'National Benzole' (circa 1956-1968) (Bas) £5.50
NBP01 Bedford Pantechnicon 'Bloomfield Felstows' (Oxf) **NEW** £4
TSV330 Hitachi TX160 Road/Rail Telescopic Crane in orange (Tra) **NEW** £9.50

Farming & Construction

NEW



NTEA001 Ferguson TEA 20 tractor in grey (Oxf) **NEW** £3

NEW



NTRAC001 Fordson Tractor in blue (Oxf) **NEW** £3

OO Gauge Steam locos

R3212 0-4-0 steam loco 585 in 'Transatlantic Industries' (Hor) £23
R3211 0-4-0 steam loco in 'Glenidlow Salt Co' (Hor) £23



R3024 0F Pug class 0-4-0ST 51240 in BR black early crest (Hor) £51



31-931 Class 1000 Midland Compound 4-4-0 1189 in LMS Black (Bac) £112.88



31-932DC Class 1000 Midland Compound 4-4-0 40934 in BR lined black early emblem. DCC On Board (Bac) £127.76
31-933 Class 1000 Midland Compound 4-4-0 41157 BR lined black late crest (Bac) £112.88



32-311 Class 2251 Collett Goods 0-6-0 2259 & ROD tender in BR black early emblem (Bac) £55

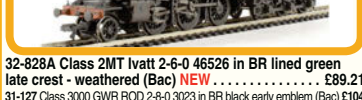


R3005 Class 2800 2-8-0 2845 in BR black late crest - weathered (Hor) £106
R3005X DCC Fitted (Hor) £120

NEW



32-828A Class 2MT Ivatt 2-6-0 46526 in BR lined green late crest - weathered (Bac) **NEW** £89.21
31-127 Class 3000 GWR ROD 2-8-0 3023 in BR black early emblem (Bac) £104



31-129 Class 3000 GWR ROD 2-8-0 3031 in GWR green (Bac) £104



31-726 Class 3700 City GWR 4-4-0 3433 'City Of Bath' in GWR Green Garter Crest (Bac) £104.98
31-727 Class 3700 City GWR 4-4-0 3439 'City Of London' GWR Green Monogram (Bac) £104.98



R3006 Class 3800 2-8-0 3864 in BR weathered black early emblem. (Hor) £106



R3086 Class A1 'Flying Scotsman' in LNER Apple Green. Upgraded to 3-pole motor flywheel for Railroad range (Hor) £64



31-627A Class 3F 0-6-0 3709 in LMS black (Bac) £71.23
31-626A Class 3F 0-6-0 43257 in BR black early emblem (Bac) £71.23
31-628DC Class 3F 0-6-0 43620 BR black late crest - weathered. DCC On Board (Bac) £93.16



32-581 Class 4 Ivatt 2-6-0 43018 in BR lined black early emblem and double chimney (Bac) (list £123.40) **BARGAIN** £64



R2994XS Class 4073 Castle 4-6-0 7029 'Clun Castle' in BR green late crest DCC Sound (Hor) £214



32-140 Class 4575 Prairie tank 2-6-2 4585 in BR lined green early emblem (Bac) £68.30
32-139 Class 4575 Prairie tank 2-6-2 5513 in GWR green (Bac) £68.30



32-005 Class 4900 Hall 4-6-0 4962 'Ragley Hall' in BR green early emblem and Collett tender (Bac) £82



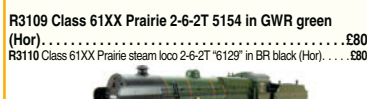
R2995XS Class 5 Black 5 4-6-0 45010 in BR weathered black late crest DCC sound (Hor) £214



32-181 Class 5MT Crab 2-6-0 13000 & tender in LMS crimson as preserved. (Bac) £79



R3109 Class 61XX Prairie 2-6-2T 5154 in GWR green (Hor) £80
R3110 Class 61XX Prairie steam loco 2-6-2T '6129' in BR black (Hor) £80



31-213DS Class 6P Patriot 4-6-0 45504 'Royal Signals' in BR green late crest. DCC Sound Fitted (Bac) £211
R3017 Class 6P Patriot 4-6-0 45535 'Sir Herbert Walker K.C.B.' in BR green early crest (Hor) £112



R3017X Class 6P Patriot 4-6-0 45535 'Sir Herbert Walker K.C.B.' in BR green early crest DCC fitted. (Hor) £126
31-013 Class 7F S&DJR 2-8-0 53808 BR black late crest & Dealey tender (Bac) £110.46



20-2012 Class 7F S&DJR 2-8-0 88 in S&DJR Blue.150th Anniversary of S&DJR Commemorative loco wooden box (Bac) £132.60



32-859 Class 9F standard 2-10-0 92233 BR black late crest - weathered (Bac) **NEW** £124.02



R3086 Class A1 'Flying Scotsman' in LNER Apple Green. Upgraded to 3-pole motor flywheel for Railroad range (Hor) £64

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32-551DS Class A1 4-6-2 60139 "Sea Eagle" in BR green early emblem. DCC Sound (Bac) £207
32-550A Class A1 4-6-2 60163 "Tornado" in BR apple green (Bac) (list £133.45) BARGAIN £92
32-550B Class A1 4-6-2 60163 "Tornado" BR lined Brunswick green (Bac) £128.01
R3060 Class A1 4-6-2 60163 "Tornado" in British Railways Apple Green - Railroad Range (Hor) £82



31-528 Class A2 4-6-2 60533 "Happy Knight" in BR lined green late crest and double chimney & multi-valve regulator (Bac) £113
31-529 Class A2 4-6-2 60534 "Irish Elegance" BR lined green early emblem (Bac) £109
31-966 Class A4 4-6-2 60008 "Dwight D. Eisenhower" BR green late crest (Bac) £109.99



31-967 Class A4 4-6-2 60010 "Dominion of Canada" in BR green late crest (Bac) £109.99
31-965 Class A4 4-6-2 60021 "Wild Swan" BR lined green early emblem (Bac) £99



31-715 Class B1 1123 in LNER lined green (Bac) £76
31-716 Class B1 61180 in BR lined black late crest - weathered (Bac) £81
31-714 Class B1 61250 "A. Harold Bibby" BR lined black early emblem (Bac) £74



31-146 Class D11/1 4-4-0 62663 "Prince Albert" in BR black early emblem (Bac) £100.22
31-136DC Class D11/2 4-4-0 62677 "Edie Ochiltree" in BR black late crest. DCC Fitted (Bac) £115.90



31-476A Class G2A Super D 0-8-0 49402 in BR black early emblem (Bac) (list £101.30) BARGAIN £69



32-280 Class K3 2-6-0 steam loco 61869 stepped tender in BR lined black late crest - weathered (Bac) £82



R3007 Class L1 Thompson 2-6-4T 67759 in BR weathered black late crest. (Hor) £87



32-154A Class N 2-6-0 31404 in BR lined black late crest - weathered (Bac) £99.07
31-005 Class O4 Robinson ROD 2-8-0 3547 in LNER black (Bac) £118
31-004 Class O4 Robinson ROD 2-8-0 63598 in BR black early emblem - weathered (Bac) (list £139.95) BARGAIN £72



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) BARGAIN £99



R3172 Class V Schools 4-4-0 925 "Cheltenham" in SR Malachite green (Hor) £56

31-564 Class V2 Gresley 2-6-2 60860 "Durham School" in BR lined black early emblem (Bac) £90



31-565 Class V2 Gresley 2-6-2 60862 in BR lined green late crest and double chimney (Bac) £90
32-261 Class WD Austerity 2-8-0 90441 BR black early emblem (Bac) NEW £110.42



32-260DC Class WD Austerity 2-8-0 90448 in BR black with late crest. DCC On Board (Bac) NEW £125.29



30-921 Junior 0-6-0 Saddle Tank in BR lined black (Bac). £26



R3074 King Class 4-6-0 "King William IV" GWR - The Royal Mail Great British Railways Collection. Limited edition (Hor) £143



R3073 LNER Class A1 4-6-2 "Royal Lancer" - The Royal Mail Great British Railways Collection. Limited edition (Hor) (list £154.25) BARGAIN £129



R3098 Peppercorn Class steam loco 4-6-2 60163 "Tornado" in late BR etched nameplates & tender - Special Edition (Hor) £96



31-979 Standard Class 3MT tank 82001 in BR lined black early emblem (Bac) £78.42
32-955 Standard class 4MT 2-6-0 76109 BR lined black late crest (Bac) £87.51



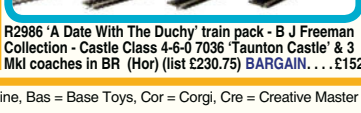
32-360 Standard Class 4MT 2-6-4 tank 80121 in BR lined black late crest (Bac) NEW £84.96
R3016X Standard Class 4MT 4-6-0 75072 BR black early emblem DCC Fitted (Hor) £119
32-508 Standard class 5MT 73049 BR lined green late crest and BR1 tender (Bac) £104.55
32-509 Standard class 5MT 73109 in BR lined black early emblem and BR1B tender (Bac) £104.55



R9750 Thomas the Tank Engine Range "Stepney" 0-6-0 tank loco (Ltd Production) (Hor) £56



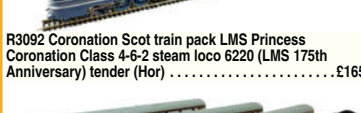
R351 Thomas the Tank Engine Range "Thomas" 0-6-0 tank loco (Hor) £39



R2986 'A Date With The Duchy' train pack - B J Freeman Collection - Castle Class 4-6-0 7036 'Taunton Castle' & 3 Mk1 coaches in BR (Hor) (list £230.75) BARGAIN £152



R2670 Class 101 0-4-0 GWR green steam loco, open wagon, closed van and a brake van (Hor) £32



R3092 Coronation Scot train pack LMS Princess Coronation Class 4-6-2 steam loco 6220 (LMS 175th Anniversary) tender (Hor) £165



R3094 Diamond Jubilee train pack BR Britannia Class 4-6-2 steam loco & 3 Royal carriages - Special Edition (Hor) £168



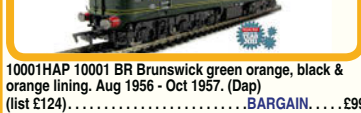
R2980 London 1908 train pack GWR 4-4-0 County Class "County of Radnor" and 2 GWR Clerestory Coaches. Olympics Limited edition (Hor) (list £163.99) BARGAIN £126



R3093 Tornado Pullman Pack Special Edition (modified Railroad) Class A1 4-6-2 60163 "Tornado" & 3 x R223 style Pullman coaches (Hor) £120



R2979 West Coast Railways Pullman 4-6-0 Black 5 44932 and 3 pullman cars "Bassenthwaite", "Buttermere", "Rydal Water" (Hor) (list £204.99) BARGAIN £140



Diesel locos



10001HAP 10001 BR Brunswick green orange, black & orange lining. Aug 1956 - Oct 1957. (Dap) (list £124) BARGAIN £99



R3036XS Class 08 0-6-0 Diesel Shunter 08661 "Europa" in Railfreight Distribution European Grey DCC Sound (Hor) .. £164



32-117 Class 08 D3963 BR Green Wasp Stripes - Weathered (Bac) £63.58
1405 Class 14 "Teddy Bear" (ex British Rail Green) Blue Circle Cement (ex D9526) (Weathered). (Hel) (list £115) BARGAIN £89



1407 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) BARGAIN £89
1404 Class 14 "Teddy Bear" D9521 BR Green (pristine) (Hel) (list £105) BARGAIN £89



1403 Class 14 "Teddy Bear" D9535 BR Green (weathered) (Hel) (list £115) BARGAIN £89

1503 Class 15 D8233 in BR Green small yellow panels as preserved. Limited edition of 1000 (Hel) (list £109) BARGAIN £69

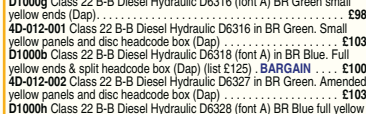
1501 Class 15 diesel electric BTH/Clayton D8219 in BR plain green small yellow ends. (Hel) £89
1506 Class 15 diesel electric BTH/Clayton D8235 in BR green full yellow ends. (Hel) (list £99) BARGAIN £49



1711 Class 17 Clayton Diesel D8512 Blue full yellow ends. Derby RTC Research variant. (Hel) £80
D1000a Class 22 B-B Diesel Hydraulic 6326 (font B) in BR Blue. Full yellow ends & split headcode box. (Dap) (list £125) BARGAIN £100



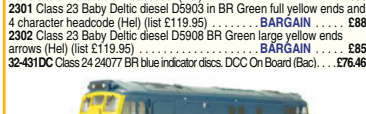
4D-012-000 Class 22 B-B Diesel Hydraulic 6326 in BR Green. No yellow warning panels & disc headcode box (Dap) £103
D1000g Class 22 B-B Diesel Hydraulic D6316 (font A) BR Green small yellow ends (Dap) £98
4D-012-001 Class 22 B-B Diesel Hydraulic D6316 in BR Green. Small yellow panels and disc headcode box (Dap) £103
D1000b Class 22 B-B Diesel Hydraulic D6318 (font A) in BR Blue. Full yellow ends & split headcode box (Dap) (list £125) BARGAIN £100
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 (font A) BR Blue full yellow ends (Dap) £98



2309 Class 23 Baby Deltic D5905 in BR Green small yellow ends - weathered (Hel) £104
2311 Class 23 Baby Deltic D5906 in BR Green small yellow panels (Hel) £96
2310 Class 23 Baby Deltic D5907 BR Green small yellow ends - gloss finish. (Hel) £96
2300 Class 23 Baby Deltic diesel D5900 in BR Green Small Yellow Panels and 4 character headcode. (Hel) £96
2301 Class 23 Baby Deltic diesel D5903 in BR Green full yellow ends and 4 character headcode (Hel) (list £119.95) BARGAIN £88
2302 Class 23 Baby Deltic diesel D5908 BR Green large yellow ends arrows (Hel) (list £119.95) BARGAIN £85
32-431DC Class 24 24077 BR blue indicator discs. DCC On Board (Bac) £76.46



32-329 Class 25/2 25231 in BR blue weathered. (Bac) £55



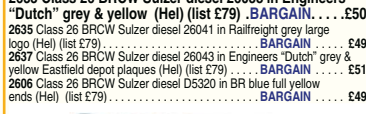
32-404DS Class 25/3 25276 in BR blue. DCC Sound (Bac) (list £214.95) BARGAIN £139
32-407 Class 25/3 25279 in BR blue - weathered (Bac) £56



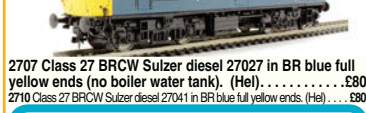
2633 Class 26 BRCW Sulzer diesel 26038 in Engineers "Dutch" grey & yellow (Hel) (list £79) BARGAIN £50
2635 Class 26 BRCW Sulzer diesel 26041 in Railfreight grey large logo (Hel) (list £79) BARGAIN £49
2637 Class 26 BRCW Sulzer diesel 26043 in Engineers "Dutch" grey & yellow Eastfield depot plaques (Hel) (list £79) BARGAIN £51
2606 Class 26 BRCW Sulzer diesel D5320 in BR blue full yellow ends (Hel) (list £79) BARGAIN £49



2707 Class 27 BRCW Sulzer diesel 27027 in BR blue full yellow ends (no boiler water tank). (Hel) £80
2710 Class 27 BRCW Sulzer diesel 27041 in BR blue full yellow ends. (Hel) £80



2722 Class 27 BRCW Sulzer diesel D5348 in BR blue full yellow ends. (Hel) (list £79) BARGAIN £59
2724 Class 27 BRCW Sulzer diesel D5353 in BR green. (Hel) £80
2723 Class 27 BRCW Sulzer diesel D5361 BR green small yellow panels. (Hel) £80
2708 Class 27 BRCW Sulzer diesel D5381 BR green small yellow panels. (Hel) £80
2709 Class 27 BRCW Sulzer diesel D5388 BR blue small yellow panels. (Hel) £80



2727 Class 27 BRCW Sulzer diesel D5381 BR green small yellow panels. (Hel) £80



2800 Class 28 Co-Bo Diesel D5700 Full BR Green - modified windows. (Hel) (list £125) BARGAIN £99



2805 Class 28 Co-Bo Diesel D5701 BR Blue. (Hel) (list £125) BARGAIN £100



2805 Class 28 Co-Bo Diesel D5701 BR Blue. (Hel) (list £125) BARGAIN £100

Prices valid until 07/08/13

Orders received after this date for products that have increased in price will be given a refund

2811 Class 26 Co-Bo Diesel D5702 BR Green Small Yellow Panels. (Hel) (list £125) **BARGAIN** £100
2801 Class 26 Co-Bo Diesel D5705 BR Green Small Yellow Panels (as preserved). (Hel) £125
2809 Class 26 Co-Bo Diesel D6708 BR Green Full Yellow Ends. (Hel) (list £125) **BARGAIN** £104
2807 Class 26 Co-Bo Diesel D5711 Full BR Green modified windows. (Hel) £125
2808 Class 26 Co-Bo Diesel D5712 BR Green Small Yellow Panels. (Hel) (list £125) **BARGAIN** £100
2803 Class 26 Co-Bo Diesel D5718 BR Green Small Yellow Panels (Weathered). (Hel) £132
R2363 Class 31/4 31430 diesel in Regional Railways 'North Yorkshire Moors Railway' DCC Ready. (Hor) £109



3326 Class 33 Diesel 33202 in BR Blue full yellow ends. (Hel) (list £89) **BARGAIN** £62



3371 Class 33/0 33029 'Glen Loy' in West Coast Railways (Hel) £69
3370 Class 33/0 diesel 33025 'Glen Falloch' in West Coast Railways (Hel). £69
3383 Class 33/0 Diesel 33045 in BR Blue full yellow ends (Hel) £72



3515 Class 35 Hymek D7006 in BR green (Hel) (list £99.95) **BARGAIN** £74
3516 Class 35 Hymek D7007 in early BR blue small yellow panel. (Hel) £80
3517 Class 35 Hymek D7026 in BR green small yellow panels (Hel) £80



V2103 Class 37 Diesel 37178 in Railfreight Distribution Livery (Vi) (list £84.35) £52
V2113 Class 37 diesel 37212 in BR blue yellow ends (Vi) £70
V2112 Class 37 diesel 37426 Intercity Mainline 'Y Lein Fach Vale of Rheidol' (Vi) £70



32-783DS Class 37/0 37049 in BR blue split head code. DCC Sound (Bac) (list £234.65) **BARGAIN** £154



32-377DS Class 37/4 37417 'Highland Region' in BR large logo blue. DCC Sound (Bac) £155
32-388 Class 37/4 37427 'Bont Y Bermo' BR Large logo blue-weathered (Bac) £77



32-386 Class 37/5 37514 in Railfreight Metals Sector flush front. (Bac) (list £89.70) **BARGAIN** £46



32-052A Class 42 Warship D823 'Hermes' in BR plain green late crest (Bac) £59



32-652DS Class 44 Peak 44005 in BR blue. DCC Sound (Bac) (list £236.70) **BARGAIN** £129
V2104 Class 47 Diesel 47197 in Railfreight Petroleum Sector Livery (Vi) (list £90) **BARGAIN** £49



4793 Class 47 diesel 47555 'The Commonwealth Spirit' in BR blue (weathered). (Hel) (list £79) **BARGAIN** £49



4790 Class 47 diesel D1501 in BR 2 tone green small yellow panel (as preserved at East Lancashire Railway) (Hel) (list £74) **BARGAIN** £54

4794 Class 47 diesel D1661 'North Star' in BR Green full yellow ends (weathered). (Hel) (list £79) **BARGAIN** £49
4792 Class 47 diesel D1916 (47812) in Riviera Trains 'heritage' BR Green full yellow ends. (Hel) (list £74) **BARGAIN** £47
V2105 Class 47 diesel Railfreight Metals 47347. (Vi) (list £90) **BARGAIN** £49
4747 Class 47 un-numbered BR Blue full yellow ends (Hel) £65



4749 Class 47 Un-numbered BR Large Logo Livery. (Hel) (list £89) **BARGAIN** £55
31-658DS Class 47/0 47190 'Pectinidae' BR Petroleum Sector sound (Bac) **NEW** £212.46



31-658 Class 47/0 47190 'Pectinidae' in BR Petroleum Sector - weathered (Bac) **NEW** £97.71



32-804 Class 47/0 D1572 in BR two tone green (Bac) £71
31-656DC Class 47/0 D1677 'Thor' BR green full yellow ends. DCC On Board (Bac) £101.24
31-655 Class 47/3 47301 'Centurion' BR Railfreight grey red stripe (Bac) £86.36



31-652 Class 47/4 47474 'Sir Rowland Hill' in Parcels red & grey (Bac) £76



31-653 Class 47/7 47710 'Sir Walter Scot' in BR ScotRail (Bac) £86.36



5219 Class 52 diesel D1030 'Western Musketeer' in early blue small yellow warning panels (Hel) £79



5307 Class 53 D0280 'FALCON' in lime green and brown small yellow warning panels (Hel) £99
5306 Class 53 diesel D0280 'Falcon' in BR two tone green small yellow panels. Weathered. (Hel) (list £99) **BARGAIN** £76



5305 Class 53 diesel D0280 'Falcon' in original lime green. Weathered. Ltd edition of 500. (Hel) (list £99) **BARGAIN** £79



R2962 Class 56 diesel 56040 'Oystermouth' in Railfreight grey DCC Ready (Hor) (list £131.99) **BARGAIN** £87



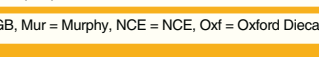
32-761 Class 57/0 57312 in Network Rail yellow (Bac) £86.36



R3141 Class 60 diesel DB Schenker 'Tata Steel' (Hor) £120



32-728DS Class 66 diesel 66546 in Freightliner. DCC Sound (Bac) £190



32-736 Class 66 diesel 66846 in Colas Rail (Bac) £86.45



32-980 Class 66/9 66731 'InterhubGB' in GBRf Europorte (Bac) £86.41



31-587DC Class 70 PowerHaul diesel 70004 in Freightliner DCC On Board (Bac) £119.43



R3136 Class 73 Bo-Bo Electro Diesel 73138 in Network Rail (Hor) £54



4010 English Electric DP2 prototype in BR Brunswick green (as per 1962 to May 1965) (Hel) (list £129.95) **BARGAIN** £89
4011 English Electric DP2 prototype in BR two-tone green (as per 1965 until withdrawal in 1967) (Hel) (list £129.95) **BARGAIN** £89



MM0082 Irish Class 071/111 diesel loco 'Engineer's Institute' in IE Freight (Mur) £125
MM0086 Irish Class 071/111 diesel loco 086sa in CIE Supertrain (Mur) £125
MM0071 Irish Class 071/111 diesel loco in IE black & silver (Mur) £125



MM0085 Irish Class 071/111 diesel loco in IE (weathered) (Mur) **NEW** £125
MM0078 Irish Class 071/111 diesel loco in IE small logo (Mur) £125
MM0073 Irish Class 071/111 diesel loco IR orange & black (weathered) (Mur) £125



MM0220 Irish Class 201 diesel 'River Blackwater' original, single orange band on front of loco (Mur) £129
MM0203 Irish Class 201 diesel 203 in CIE orange (Mur) £126



MM8208 Irish Class 201 diesel 208 in Enterprise (Mur) £139
MM0210 Irish Class 201 diesel 210 in CIE orange full yellow ends. (Mur) £126



4005 Lion Diesel loco D0260 in white 5 gold stripes. (Hel) (list £129.95) **BARGAIN** £79



31-678 Class 85 (AL5) Bo-Bo Electric 85026 in BR Blue single pantograph (Bac) £86
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 locol in DB Schenker (Hor) £62



R3135 Class 92 electric loco 92032 in GBRf (Hor) £62



HSTs



R2705 Class 43 HST Power & Dummy-car pack - Grand Central (DCC Ready) (Hor) £106

DMUs



R3047 Class 101 2 Car DMU in Strathclyde PTE orange (Hor) **NEW** £80



R3147 Class 101 BR Green 3 Car Set (Whiskers) (Hor) £80
31-325 Class 105 2 car Cravens DMU BR blue yellow ends. Norwich / Lowestoft (Bac) £92
31-327 Class 105 2 car Cravens DMU in BR green half yellow ends. Harwich/Manningtree (Bac) £79



31-326A Class 105 2 Car Cravens DMU in BR green speed whiskers. (Bac) (list £114.95) **BARGAIN** £70
31-326 Class 105 Cravens 2 Car DMU BR green speed whiskers (Power Twin Unit). (Bac) £89
32-905 Class 108 2 Car DMU in BR blue & Grey full yellow ends (Bac) £93.97



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) £93.97



32-913 Class 108 3 Car DMU in BR green speed whiskers (Bac) £114.67
8903 Class 128 DPU M55994 in BR rail blue full yellow ends. Norwich / Lowestoft (Bac) £94
8902 Class 128 DPU W55991 in early BR blue white cab roof domes and yellow gangway door covers. (Hel) £94
8901 Class 128 DPU W55992 in BR green white cab roof domes and yellow gangway door covers (Hel) £94



8900 Class 128 DPU W55993 in BR green speed whiskers. (Hel) £94



R3140 Class 142 (Pacer) DMU 55567 in Northern Rail (Hor) £80



32-926 Class 150/1 2 car DMU in Centro. Dorridge/Snow Hill (Bac) (list £105) **BARGAIN** £62



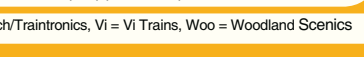
32-925 Class 150/1 2-car DMU in First North Western. Preston/ Blackpool (Bac) (list £105) **BARGAIN** £55



32-935Z Class 150/2 2 car DMU in Merseyrail. Hatton's Limited edition of 512. Manchester Vic/ Liverpool (Bac) (list £95.35) **BARGAIN** £74



32-467 Class 170/4 Turbostar 3 Car DMU in ScotRail (Bac) (list £132.55) **BARGAIN** £79



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
10am to 4pm Sun



31-256DC Class 251 Blue Pullman 6 car Midland set in Nanking blue full yellow ends. DCC Fitted. (Bac) ... £290
32-517 Derby Lightweight 2 Car DMU in BR blue (Bac) ... £79



32-516A Derby Lightweight 2 Car DMU in BR green speed whiskers (Bac) ... £93.97



8706 Railbus W&M E79964 in green speed whiskers (Hel) ... £96



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
31-032 Class 350/1 Desiro 4 Car EMU 350 102 in London Midland (Bac) ... £149



31-031 Class 350/2 Desiro 4 Car EMU 350 238 in London Midland (Bac) ... £149



31-426A Class 411 4 car CEP EMU 7128 in BR green yellow warning panels. (Bac) (list £170.35) BARGAIN ... £69



31-427A Class 411 4 car CEP EMU in BR blue & grey (Bac) (list £170.35) BARGAIN ... £89



31-375 Class 416 2 car EPB EMU in BR blue (Bac) ... £85



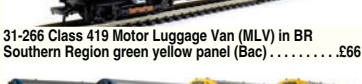
31-377 Class 416 2 car EPB EMU in BR blue & grey (Bac) (list £119.50) BARGAIN ... £69



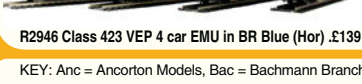
31-376 Class 416 2 car EPB EMU in BR green (Bac) ... £84



31-267 Class 419 Motor Luggage Van (MLV) in BR blue & grey (Bac) ... £66



31-265 Class 419 Motor Luggage Van (MLV) BR southern region green (Bac) ... £66



R2946 Class 423 VEP 4 car EMU in BR Blue (Hor) ... £139



R2947 Class 423 VEP 4-car EMU in NSE (Hor) (list £180.99) BARGAIN ... £89



R2947X DCC Fitted. (Hor) ... £158

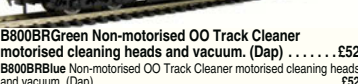


R2987 Class 5BEL Pullman Brighton Belle 1934 2 Car Pack (2 X Drive MTR. Brake 3rd) (Hor) ... £148

Track maintenance vehicles



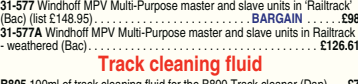
B800 Non-motorised OO Track Cleaner motorised cleaning heads and vacuum (Dap) ... £52



B800BR Green Non-motorised OO Track Cleaner motorised cleaning heads and vacuum. (Dap) ... £52



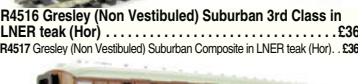
B800BR Blue Non-motorised OO Track Cleaner motorised cleaning heads and vacuum. (Dap) ... £52



31-575 Windhoff MPV Multi-Purpose master and slave units in 'Network Rail' (Bac) (list £148.95) BARGAIN ... £98



31-577 Windhoff MPV Multi-Purpose master and slave units in 'Railtrack' (Bac) (list £148.95) BARGAIN ... £98



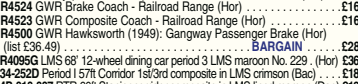
31-577A Windhoff MPV Multi-Purpose master and slave units in Railtrack - weathered (Bac) ... £126.61

Track cleaning fluid



B805 100ml of track cleaning fluid for the B800 Track cleaner (Dap) ... £7

Coaches



R4516 Gresley (Non Vestibuled) Suburban 3rd Class in LNER teal (Hor) ... £36



R4517 Gresley (Non Vestibuled) Suburban Composite in LNER teal (Hor) ... £36



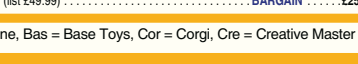
R4172D Gresley 6ft 6in Corridor 3rd Class Coach in LNER teal (Hor) ... £54.49



R4170E Gresley 6ft 6in Corridor Composite Brake Coach LNER teal (Hor) ... £47



R4172B Gresley 6ft 6in Corridor Composite Buffet Car in LNER teal (Hor) ... £47



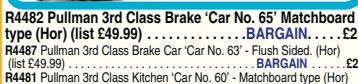
R4524 GWR Brake Coach - Railroad Range (Hor) ... £16



R4483 Pullman 1st Class Parlour Car 'Onyx' - Flush Sided (Hor) (list £49.99) BARGAIN ... £25



R4484 Pullman 2nd Class Parlour Car 'Car No. 64' - Flush Sided (Hor) ... £38



R4482 Pullman 3rd Class Brake 'Car No. 65' Matchboard type (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 £49.99) BARGAIN ... £25



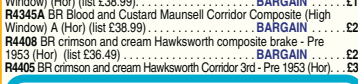
R4429 Pullman 3rd Class Kitchen 'Car No. 171' - steel sided (Hor) (list £49.99) BARGAIN ... £25



R4479 Pullman 3rd Class Parlour Car 'Car No. 34' - Matchboard type (Hor) (list £49.99) BARGAIN ... £25



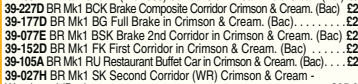
R4437 Pullman Devon Belle Observation Car 'Pullman Observation Car' (Hor) ... £48



R4455 West Coast Railways Pullman Car Pack Mk2 Pullman Cars 'Crummock Water' 'Ennerdale' 'Grassmere' (Hor) ... £66



39-029E BR Mk1 SK Second Corridor Chocolate & Cream (Bac) ... £24.01



R4348B BR Blood and Custard Maunsell Brake Composite (High Window) B (Hor) (list £38.99) BARGAIN ... £21



R4348C BR Blood and Custard Maunsell Brake Composite (High Window) in crimson & cream (Hor) (list £36.49) BARGAIN ... £20



R4344C BR Blood and Custard Maunsell Corridor 1st Class (High Window) (Hor) (list £38.99) BARGAIN ... £19



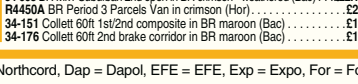
R4345A BR Blood and Custard Maunsell Corridor Composite (High Window) A (Hor) (list £38.99) BARGAIN ... £20



R4408 BR crimson and cream Hawksworth composite brake - Pre 1953 (Hor) (list £36.49) BARGAIN ... £29



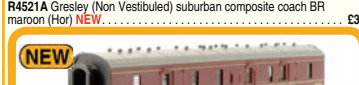
R4405 BR crimson and cream Hawksworth Corridor 3rd - Pre 1953 (Hor) ... £30



R4343C BR crimson and cream Maunsell Corridor 3rd Class (High Window) (Hor) (list £38.99) BARGAIN ... £24



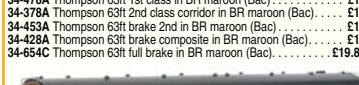
R4520A Gresley (Non Vestibuled) suburban 3rd class coach in BR maroon (Hor) NEW ... £33



R4521A Gresley (Non Vestibuled) suburban composite coach BR maroon (Hor) NEW ... £33



34-325C Period III 50ft Parcels Van in BR maroon - weathered (Bac) NEW ... £20.91



4P-010-017 RTR 57th Stanier composite non-corridor in BR maroon lined M25260M (Dap) NEW ... £14



4P-010-010 RTR 57th Stanier corridor brake in BR lined maroon (Dap) ... £12



34-478A Thompson 63ft 1st class in BR maroon (Bac) ... £18



34-478B Thompson 63ft 2nd class in BR maroon (Bac) ... £18



34-453A Thompson 63ft brake 2nd in BR maroon (Bac) ... £18



34-428A Thompson 63ft brake composite in BR maroon (Bac) ... £18



34-654C Thompson 63ft full brake in BR maroon (Bac) ... £19.85



39-320A BR Mk1 BSP Pullman bar 2nd 'The Hadrian Bar' (with lighting) (Bac) ... £29



39-321 BR Mk1 BSP Pullman bar 2nd coach blue/grey (with lighting) (Bac) ... £30



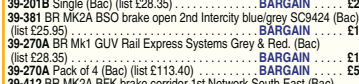
39-280B BR Mk1 FK Pullman Kitchen 1st Umber & Cream 'Falcon' (With Lighting) (Bac) ... £25



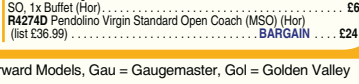
39-290B BR Mk1 FP Pullman First Parlour Umber & Cream 'Amethyst' (With Lighting) (Bac) ... £29



39-301A BR Mk1 SK Pullman Second Kitchen Grey & Blue (With Lighting) (Bac) ... £30



39-300C BR Mk1 SK Pullman Second Kitchen in Umber & Cream 'Car 335' (With Lighting) (Bac) ... £31.07



39-175D BR Mk1 BG Full Brake Blue & Grey (Bac) ... £24.01

39-025F BR Mk1 SK Second Corridor Blue & Grey (Bac) ... £24.01

39-330A BR Mk1 FK First Corridor Blue & Grey (Bac) (list £28.95) BARGAIN ... £14

39-360A BR Mk2A TSO Tourist Second Open Blue & Grey (Bac) ... £24.01

39-360B BR Mk2A TSO Tourist Second Open Blue & Grey (Bac) ... £24.01

39-330 BR Mk2S FK corridor 1st in blue/grey (Bac) (list £22.85) BARGAIN ... £15

MM1515 Irish Cravens 2nd class coach in original (Mur) ... £39

MM5210 Irish MkII coach black roof (Mur) ... £39

MM5217 Irish MkII Coach black roof (Mur) ... £39

MM5229 Irish MkII coach orange roof (Mur) ... £39

MM5601 Irish MkII generator coach in 'Galway' (Mur) ... £39

MM5411 Irish MkII restaurant coach in 'Galway' (Mur) ... £39

39-080 BR Mk1 BSK brake 2nd corridor in Intercity executive (Bac) (list £28.35) BARGAIN ... £14

39-080 Pack of 4 (Bac) (list £113.40) BARGAIN ... £41

39-420A BR Mk1 POS Post Office Sorting Van in Post Office Red (Bac) NEW ... £33.11

39-430 BR Mk1 POS Post Office Sorting Van Royal Mail Letters Large Red. (Bac) ... £30

39-430 Pack of 4 (Bac) (list £155.80) BARGAIN ... £112

39-435 BR Mk1 POS Post Office Sorting Van in Royal Mail Travelling Post Office Red. (Bac) ... £30

39-435 Pack of 4 (Bac) (list £155.80) BARGAIN ... £112

39-201B Pack of 4 BR Mk1 Super BG full brake 'Royal Mail' (Bac) ... £96

39-201B Single (Bac) (list £28.35) BARGAIN ... £26

39-381 BR Mk2A BSO brake open 2nd Intercity blue/grey SC9424 (Bac) (list £25.95) BARGAIN ... £12

39-270A BR Mk1 GUV Rail Express Systems Grey & Red (Bac) (list £28.35) BARGAIN ... £13

39-270A Pack of 4 (Bac) (list £113.40) BARGAIN ... £50

39-412 BR Mk2A BSK brake corridor 1st Network South East (Bac) (list £28.95) BARGAIN ... £14

R4373 Mk3 Arriva Cross Country 1st Class Coach FO (Hor) ... £22

R4431 Mk3 Virgin Charter Relief 'Pretendolino' Coach Pack 1x FO, 1x SO, 1x Buffet (Hor) ... £69

R4274D Pendolino Virgin Standard Open Coach (MSO) (Hor) (list £36.99) BARGAIN ... £24



www.hattons.co.uk

For British Outline

www.ehattons.com

For All Products

Wagons

37-477C 1 plank wagon in BR bauxite (Bac) £7.18
33-183 10 ton salt wagon in Tees Salt (Bac) £7.65



BARGAIN

38-222 Pack of 4 100 ton TEA bogie crude oil tank in Amoco black (Bac) (list £130) BARGAIN £68
38-222 Single (Bac) (list £32.50) BARGAIN £19
38-222 Megapack of 8 (Bac) (list £260) BARGAIN £130
38-113A 100 ton TEA bogie tank wagon Esso grey (Bac) (list £32.50) BARGAIN £21
38-113A Pack of 4 (Bac) (list £130) BARGAIN £79
38-113A Megapack of 8 (Bac) (list £260) BARGAIN £150



BARGAIN

38-110A Pack of 4 100 ton TEA bogie tank wagon in Shell grey (Bac) (list £130) BARGAIN £70
38-110A Single (Bac) (list £32.50) BARGAIN £18
38-110A Megapack of 8 (Bac) (list £260) BARGAIN £136



37-854B 104 tonne glw HTA bulk coal hopper wagon in EWS - weathered (Bac) £24.53
37-903A 12 ton plank shock absorbing van corrugated ends BR bauxite (Bac) £7



BARGAIN

38-160B Pack of 4 12 ton plank ventilated van in BR bauxite (early) (Bac) (list £43.80) BARGAIN £30
38-160B Single (Bac) £8
38-160B Megapack of 8 (Bac) (list £87.60) BARGAIN £58
38-231A 12 ton plank ventilated van plywood doors BR bauxite (late) (Bac) £8
38-231A Pack of 4 (Bac) (list £43.80) BARGAIN £30
38-231A Megapack of 8 (Bac) (list £87.60) BARGAIN £58



BARGAIN

38-385 Pack of 4 12 ton ventilated fruit van in BR bauxite (early) (Bac) (list £43.80) BARGAIN £29
38-385 Single (Bac) £8
38-326 13 ton high sided steel open wagon chain pockets in BR bauxite (late) (Bac) (list £10.45) BARGAIN £7
38-326 Pack of 4 (Bac) (list £41.80) BARGAIN £26
38-326 Megapack of 8 (Bac) (list £83.60) BARGAIN £49



BARGAIN

38-329 Pack of 4 13 ton high sided steel open wagon smooth sides and wooden door in LNER oxide (Bac) (list £39.80) BARGAIN £23
38-329 Single (Bac) (list £9.95) BARGAIN £6
38-329 Megapack of 8 (Bac) (list £79.60) BARGAIN £44
38-328 13 ton high sided steel open wagon smooth sides in BR bauxite (late) (Bac) (list £9.95) BARGAIN £6
38-328 Pack of 4 (Bac) (list £39.80) BARGAIN £23
38-328 Megapack of 8 (Bac) (list £79.60) BARGAIN £44
38-451 13 ton Hyfil steel open in BR bauxite (early) - weathered (Bac) £8
38-451 Pack of 4 (Bac) (list £44.60) BARGAIN £31
38-451 Megapack of 8 (Bac) (list £89.20) BARGAIN £59
38-452 13 ton Hyfil steel open in BR bauxite (late) (Bac) £8
38-452 Pack of 4 (Bac) (list £39.80) BARGAIN £23
38-452 Megapack of 8 (Bac) (list £79.60) BARGAIN £44
37-354C 13 ton steel sand tippler wagon in BR grey (Bac) £7
37-354C Pack of 4 (Bac) (list £36.20) BARGAIN £24
37-354C Megapack of 8 (Bac) (list £72.40) BARGAIN £46



BARGAIN

37-684 14 Ton Tank Wagon Large Filler in "Esso" silver (Bac) NEW £10.63



BARGAIN

37-654A 14 Ton Tank Wagon "Ronuk" (Bac) NEW £10.63
37-461B 16 ton slope side mineral wagon riveted side door MWT brown (Bac) £7
37-461B Pack of 4 (Bac) (list £37.60) BARGAIN £22
4F-030-005 16 ton steel mineral wagon in BR bauxite - Multipack of 5 (Dap) £32



BARGAIN

37-226F Pack of 4 16 ton steel mineral wagon top flap doors in BR bauxite (Bac) (list £41) BARGAIN £27
37-226F Single (Bac) £7

37-225G 16 ton steel mineral wagon top flap doors in BR grey (Bac) £29
37-250H 16 ton steel mineral wagon without top flap doors BR grey (Bac) £29
B1003W 21 ton hopper wagon in NCB - weathered (Dap) £10
R6506 21 Ton Iron Ore Tippler Triple Wagon Pack BR Grey (weathered) (Hor) (list £51.99) BARGAIN £20
W013A 24 tonne glw MFA open box mineral wagon EWS - weathered (Bac) £29
38-013A Pack of 4 (Bac) (list £42) BARGAIN £19
38-404 25 ton Pill Box brake van in BR Departmental olive green (Bac) £11
38-403 25 ton Pill Box brake van in SR brown grey roof & red ends (Bac) £11
33-825G 25 ton Queen Mary brake van in BR bauxite (Bac) £15.43
33-826B 25 ton Queen Mary brake van in BR Departmental olive (Bac) £15.43



BARGAIN

38-143 Megapack of 8 29 ton VDA sliding door box van in EWS (Bac) (list £157.60) BARGAIN £64
38-143 Single (Bac) (list £19.70) BARGAIN £9
38-143 Pack of 4 (Bac) (list £78.80) BARGAIN £34
37-930C 3 plank wagon in BR bauxite BD container in BR crimson (Bac) £9.27
33-928B 30 ton bogie bolster in BR grey steel girders (Bac) £10.63
33-929B 30 ton bogie bolster in BR grey steel pipes (Bac) £10.63
33-856D 30 ton bogie bolster wagon in BR grey (Bac) £9.18



BARGAIN

38-040A Pack of 4 31 tonne OBA open wagon in EWS (Bac) (list £74) BARGAIN £34
38-040A Single (Bac) (list £18.50) BARGAIN £9
38-040A Megapack of 8 (Bac) (list £146) BARGAIN £64
38-041B 31 tonne OBA open wagon in Railfreight (Bac) £15.73



BARGAIN

38-086A Pack of 4 34 tonne ZKA Limpet open ballast wagon in Departmental grey (Bac) (list £46.80) BARGAIN £22
38-086A Single (Bac) (list £11.70) BARGAIN £6
38-086A Megapack of 8 (Bac) (list £93.60) BARGAIN £42



BARGAIN

38-130A 40 tonne YGH Sealion bogie hopper wagon in olive green - weathered (Bac) £23.85



BARGAIN

37-879A Pack of 4 45 Ton bogie well wagon in LNER grey boiler load (Bac) £36
37-879A Single (Bac) £10
37-879A Megapack of 8 (Bac) £70



BARGAIN

37-575B Pack of 4 45 ton TTA tank in BP green (Bac) (list £51.20) BARGAIN £34
37-575B Single (Bac) £9
37-575B Megapack of 8 (Bac) (list £102.40) BARGAIN £66
37-577A 45 ton TTA tank in Shell BP grey (Bac) £9
37-577A Pack of 4 (Bac) (list £48.80) BARGAIN £33
37-552B 46 ton glw PNA box mineral wagon in ARC (Tiger) (Bac) £9.78
38-020A 46 tonne glw CEA covered hopper wagon EWS - weathered (Bac) £10.59
37-606A 46 tonne glw VCA sliding wall van in EWS (Bac) £14
37-606A Pack of 4 (Bac) (list £73) BARGAIN £53
37-606A Megapack of 8 (Bac) (list £146) BARGAIN £104
38-005C 46 tonne HSA hopper wagon in BR bauxite - weathered (Bac) £11.65



BARGAIN

33-080D 5 plank china clay wagon hood in BR bauxite - weathered (Bac) £7.99
4F-051-009 5 plank wagon "Cliffe Hill" (Dap) NEW £9
4F-051-005 5 plank wagon "Cliffe Hill" - weathered (Dap) NEW £9
33-435B 51 tonne SSA scrap wagon - weathered (Bac) £8.76



BARGAIN

4F-031-009 6 wheel milk tanker "Express Dairy" (Dap) £11
4F-031-010 6 wheel milk tanker "Express Dairy" - weathered (Dap) £12
4F-031-003 6 wheel milk tanker "Ungate Dairies" (ex-B1009) (Dap) £11
4F-031-004 6 wheel milk tanker "Ungate Dairies" - weathered (Dap) £12

NEW



GV6009 7 Plank Open Goods Wagon "Taff Vale Railway" (Gol) NEW £11

NEW



4F-071-001 7 plank wagon "GWR" (Dap) NEW £9

4F-071-002 7 plank wagon "GWR" - weathered (Dap) NEW £10
37-161 8 plank end door wagon "Foster & Co." (Bac) £8
37-161 Pack of 4 (Bac) (list £41.60) BARGAIN £27
37-134A 8 plank end door wagon in Kettton Cement - weathered (Bac) £8
37-134A Pack of 4 (Bac) (list £41.80) BARGAIN £28



BARGAIN

38-152A 80 ton BDA bogie bolster wagon in EWS maroon (Bac) (list £21.80) BARGAIN £12
38-152A Pack of 4 (Bac) (list £87.20) BARGAIN £44
38-159 80 ton BDA bogie bolster wagon in Railfreight steel beam load (Bac) (list £23.75) BARGAIN £14
38-159 Pack of 4 (Bac) (list £95) BARGAIN £50
37-327C 90 tonne JGA bogie hopper wagon in Budon Lime Industries (Bac) £19
37-327C Pack of 4 (Bac) (list £39.40) BARGAIN £74
37-327C Megapack of 8 (Bac) (list £198.80) BARGAIN £144



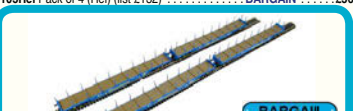
BARGAIN

37-328C Pack of 4 90 tonne JGA bogie hopper wagon in Tarmac (Bac) (list £99.40) BARGAIN £74
37-328C Single (Bac) £19
37-328C Megapack of 8 (Bac) (list £198.80) BARGAIN £144
38-351A BAA steel carrier steel coils in Railfreight Metals (Bac) £19.98



BARGAIN

38-352A BAA steel carrier steel coils in Railfreight red & black (Bac) £19.98
4F-016-003 BR Banana van B881905 (Dap) NEW £8
5105Hel Cargowagon IPE/IGE557 bogie flat 4647 007 Corus Rail brandings (Hel) (list £33) BARGAIN £15
5105Hel Pack of 4 (Hel) (list £132) BARGAIN £56



BARGAIN

5106 Pack of 4 Cargowagon IPE/IGE557 bogie flat 4747 000 in ex-works Cargowagon (Hel) (list £132) BARGAIN £56
5106 Single (Hel) (list £33) BARGAIN £15
5107 Cargowagon IPE/IGE557 bogie flat 4747 028 in weathered Cargowagon (Hel) (list £38) BARGAIN £17
5107 Pack of 4 (Hel) (list £152) BARGAIN £62
37-961 Conflat wagon BR bauxite A Container BR bauxite Door to Door (Bac) £9.82



BARGAIN

37-960 Conflat wagon in BR bauxite A container in BR crimson (Bac) £9.82
4099 Dogfish ballast wagons - 2 "olive", 2 "black" lightly weathered - Pack of 4 (Hel) (list £69) BARGAIN £47
4100 Dogfish ballast wagons - Civil Engineers "Dutch" - Lightly weathered, unloaded - Pack of 4 (Hel) (list £69) BARGAIN £39



BARGAIN

4098 Dogfish ballast wagons in sectorisation engineers liveries (3 Dutch and 1 Loadhaul) - Pack of 4 (Hel) (list £59) BARGAIN £37



BARGAIN

38-345 FNA nuclear flask wagon flat floor & round buffers in standard Buff (Bac) £21
38-347 FNA nuclear flask wagon sloping floor & oval buffers standard Buff (Bac) £21
38-346 FNA nuclear flask wagon sloping floor, changeover valve & round buffers in standard Buff (Bac) £21
37-303 Intermodal bogie wagon 2 45ft containers in ASDA (Bac) £32



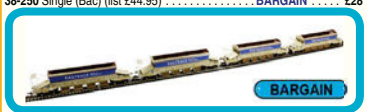
BARGAIN

37-305A Intermodal bogie wagon 2 45ft containers in DHL (Bac) £26
37-313 Intermodal bogie wagon 2 45ft containers in Maersk (Bac) £33.45
37-321A Intermodal bogie wagon 2 pairs of 20ft containers in CMA CGM & Hyundai liveries (Bac) (list £41.80) BARGAIN £29
37-321A Pack of 4 (Bac) (list £167.20) BARGAIN £121
BHATSPCE855Jb ICA Network Rail bogie ballast wagon 70 5992 083-3 weathered. Hatton's exclusive (Dap) (list £21.95) BARGAIN £15



BARGAIN

38-250 Pack of 4 IPA twin double deck car transporter in "STVA" red (Bac) (list £179.80) BARGAIN £109
38-250 Single (Bac) (list £44.95) BARGAIN £28



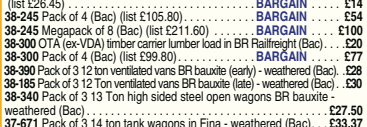
BARGAIN

38-212A Pack of 4 JJA auto ballaster in Railtrack curved top profile, 4 per rake 1 Generator wagon (Bac) (list £151) BARGAIN £110
38-212A Single (Bac) £28
38-212A Megapack of 8 (Bac) (list £302) BARGAIN £214
38-210A JJA auto ballaster outer generator in Railtrack (Bac) £28
38-210A Pack of 4 (Bac) (list £151) BARGAIN £110
38-210A Megapack of 8 (Bac) (list £302) BARGAIN £214
BHATSPCE855b JNA Network Rail "Falcon" Bogie ballast wagon NLU 29101 weathered. Hatton's exclusive (Dap) (list £21.95) BARGAIN £17
BHATSPCE855c JNA Network Rail "Falcon" Bogie ballast wagon NLU 29102 weathered. Hatton's exclusive (Dap) (list £21.95) BARGAIN £17



BARGAIN

38-241 Pack of 4 MBA Megabox high-sided bogie box wagon in EWS (without buffers) (Bac) (list £100.80) BARGAIN £46
38-241 Single (Bac) (list £25.20) BARGAIN £12
38-241 Megapack of 8 (Bac) (list £201.60) BARGAIN £86
38-245 MOA Monsterbox low-sided bogie box wagon EWS (Bac) (list £26.45) BARGAIN £14
38-245 Pack of 4 (Bac) (list £105.80) BARGAIN £54
38-245 Megapack of 8 (Bac) (list £211.60) BARGAIN £100
38-300 OTA (ex-VDA) timber carrier lumber load in BR Railfreight (Bac) £27
38-300 Pack of 4 (Bac) (list £99.80) BARGAIN £270
38-390 Pack of 3 12 ton ventilated vans BR bauxite (early) - weathered (Bac) £28
38-185 Pack of 3 12 ton ventilated vans BR bauxite (late) - weathered (Bac) £30
38-340 Pack of 3 13 Ton high sided steel open wagons BR bauxite weathered (Bac) £27.50
37-671 Pack of 3 14 ton tank wagons in Fina - weathered (Bac) £33.37



BARGAIN

38-270Z Pack of 3 22 ton Presflo in Blue Circle Railfreight brown - weathered (with different running numbers) (Bac) (list £30.25) BARGAIN £26



BARGAIN

37-095 Pack of 3 7 plank 'Coal trader' private owner wagons - weathered (Bac) £25.88
37-715 Pack of 3 8 ton cattle wagons in BR bauxite (early) - new, extra-special weathering (Bac) £28.35



BARGAIN

37-982 Pack of 3 Conflat wagons in BR bauxite BD containers in BR crimson - weathered (Bac) £33.45
B782d Pair of Megafret wagons as used by Freightliner, EWS and DRS. Running number 3368 494 091 (Dap) £21
B782f Pair of Megafret wagons as used by Freightliner, EWS and DRS. Weathered by Merit (Dap) (list £29.95) BARGAIN £24



BARGAIN

R6371 Pack of 6 Petrol tanker wagon in Shell black. (Hor) (list £35.94) BARGAIN £25
R6371 Single (Hor) £5
R6534 PGA Hopper Wagon "Yeoman" (Hor) £13
4F-032-005 Rectangular tank wagon "WM Butler & Co." (Dap) NEW £13
4F-032-006 Rectangular tank wagon "WM Butler & Co." - weathered (Dap) NEW £13



BARGAIN

38-286 Set of Three 22 Ton Presflo Wagons 'Blue Circle' Yellow (Bac) £25
R6456 Shark ballast brake van in Civil Link "Dutch" (weathered) (Hor) (list £19.25) BARGAIN £9
B850f Silver Bullet ICA wagon - pristine - 33 87 789 8055 - Hatton's Ltd edition of 250. (Dap) (list £27.95) BARGAIN £22
B850h Silver Bullet ICA wagon - pristine - 33 87 789 8105 - Hatton's Ltd edition of 250. (Dap) (list £27.95) BARGAIN £22



BARGAIN

GV6001 Tarpullin wagon in Tiphook Steel Express - weathered (HO Scale) (Gol) NEW £28
A003 Unpainted 21T hopper (Dap) £6



BARGAIN

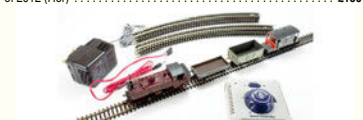
Train sets - analogue



BARGAIN

for new releases

R1148 London 2012 Train Set Hitachi Class 395 'Javelin' Limited edition of 2012 (Hor) £150



30-076 Midnight Metropolitan 32-217-style London Transport maroon pannier (different number) (Bac) £89.25



R1155 Pendolino trainset 390004 in Virgin Trains 'Alstom Pendolino' Branding (Hor) £125
R9682 Percy & The Mail Train Set (Hor) £56

Train sets - DCC



R1126 Mixed Freight train set Class 08 0-6-0 BR diesel electric loco, steam loco & 4 wagons - DCC control. (Hor) £180

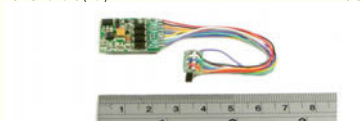
Containers & loads

36-125 2 x 20ft Intermodal containers China Shipping (Bac) (list £11.30) £6
36-127 2 x 20ft Intermodal containers in Cosco (Bac) (list £11.30) BARGAIN £6
36-102 2 x 45ft Intermodal containers Dream Box (Bac) (list £12.15) £5

DCC decoders



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) £25

DCC controllers



R8214 DCC Elite unit digital controller (Hor) £169



R8213 DCC Select unit (boxed). (Hor) £76
R8235 DCC Select Walkabout R8236 RJ12 connecting lead. (Hor) £83

DCC accessories

R8232 DCC Electro point clips (20 in a pack - 2 used per point) (Hor) £3
R8239 Power and Signal Booster - can be used any DCC controlled system. (Hor) £74

Point motors

R8014 Mark 2 Point Motor (Hor) £7
TT300 Slow motion DCC point motor (Tra) £20

Electronic components

GM52 Multi-voltage Track Tester (Gau) £5

Lighting equipment

R8952 Bulbs for Skale Lighting system (x4) (Hor) £5
AL3 Coach light (constant) (Tra) £13
TSV203 Converted gas light (x4) 12V (Tra) £9.50
GM56 OO Buffer lights x 2 (Gau) £10
AL1 Tail lamp (flashing) modern image (Tra) £13
AL2 Tail Light (Fllickering) Flame Effect (Tra) £13

Spares

36-026 10 x Mk2 Couplings mini type - long (Bac) £4
36-025 10 x Mk2 Couplings mini type - short (Bac) £4
SL-111 Finescale insulated rail joiners/fishplates (Code 75) for OO & HO gauge - Pack of 12 (Pec) £1.60
SL-110 Finescale rail joiners/fishplates (for code 75 Finescale) for OO & HO gauge - Pack of 24 (Pec) £1.60
SL-111 Insulated rail joiners/fishplates (for OO, HO & O gauge code 100 rails incl. Hornby, Peco & Peco Streamline) - Pack of 12 (Pec) £1.60
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
B803 Track cleaner (B800) accessory pack (Dap) £9

Wheel sets

36-033 Brass turned coach disc wheels on 10 metal axles - Pack of 20 (Bac) £8
36-015 Metal 3-hole disc wagon wheels on 10 metal axles - Pack of 20 (Bac) £5
36-014 Metal spoked wheels on 10 metal axles - Pack of 20 (Bac) £4

Man-made scenic structure, railway-related

GM55 Buffer stop lights (Gau) £7
44-542 Concrete Platform Lamps (Bac) NEW £8.46
R636 Double track level crossing (Hor) £18
44-042 Lifting Jacks x 4 (Bac) £6
SL-43 Loco Lift and storage unit (Pec) £11
44-543 Metal Platform Lamps (Bac) NEW £8.46
44-508 Motive Power Depot Accessories (Bac) £14
OOCAT1 Overhead Catenary Mk3 Single Mast (Pack of 10) - 5 long arm and 5 short arm eas-fix mounting system (Dap) £8
SL-40 Rail built buffer stop (Pec) £1



Signals

TT104 3-aspect red/yellow/green signal fading interface board (Tra) £16
TT113 3-aspect red/yellow/green signal feather right (Tra) £25
DS1 One Touch DCC Signal Home (R/G) (Tra) £22
DS3 One Touch DCC Signal Home Distant (R/Y/G) (Tra) £25
OOSIGN4 Signal - Motorised, Square post LMS distant upper quadrant (Dap) £22

Buildings - general

44-134 1930's Semi Detached Houses (Bac) £33.96
R8626 Country Fire Station - Skalesdale. (Hor) £24

NEW



44-128 Fueling Point Pump House (Bac) NEW £25.46

NEW



44-100 Loading Conveyor and Hopper (Bac) NEW £22

44-223 Low Relief 3 storey Solicitors/Doctors (Bac) £18.66
44-208 Low Relief Bakery (in plain white box) (Bac) £13
44-231 Low Relief Fish & Chip Shop 'Ben's Place' (Bac) £14.41
44-222 Low Relief Newsagents (Bac) £14.41
44-227 Low Relief Rear of Victorian Tenements (Bac) £42.46
44-104 Red Brick Hay Barn (Bac) £35
44-164 Shillingstone Station Building (Bac) £59.46
44-131 Static Caravan (Bac) £21.21
44-051 Watermill. (Bac) £28
R9682 Workshop (Hor) £22

Man-made scenic structure, non-railway

44-517 Brute trolleys (Bac) NEW £9
LK-45 Flexible field fencing. Approx 1066mm (42in). 5 pieces (Pec) £2.50

NEW



44-225 Low Relief Retaining Walls (Bac) NEW £14.41



OO-601 Pre 1960's Road Signs set 1 (x 4) (Anc) £5.99
44-505 Security fences x 10 - Scenecraft range (Bac) £5

NEW



44-514 Wooden Benches x 4 (not modern red metal as previously announced) (Bac) NEW £7

Bridges, tunnels & walls

44-228 Low Relief Double Track Tunnel Portal (Bac) NEW £13.60
LK-11 Truss Girder Bridge Sides (Pec) NEW £3.80

People - civil



36-401 Trainspotters (x6) (Bac) £6

Track - Setrack Code 100

ST-245 Setrack curved double radius left handed point insultrug (Pec) £12
ST-244 Setrack curved double radius right handed point insultrug (Pec) £12
ST-201 Setrack double straight (Pec) £9
ST-247 Setrack medium radius Y point insultrug (Pec) £9
ST-221 Setrack No.1 radius double curve (Pec) £2
ST-226 Setrack No.2 radius double curve (Pec) £2
ST-241 Setrack No.2 radius left handed point insultrug (Pec) £7.50
ST-240 Setrack No.2 radius right handed point insultrug (Pec) £7.50
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-204 Setrack Quad Straight (Pec) £3
ST-204 Box of 24 (Pec) £68
ST-202 Setrack short straight (Pec) £1
ST-200 Setrack standard straight (Pec) £1

Track - Streamline Code 100



SL-100 Pack of 25 1 yard (91.5cm) length of Code 100 Wooden-sleeper nickel silver flexible track. (Pec) £8.40

SL-100 Single (Pec) £2.60
SL-E99 3 way medium radius point electrofrog (Pec) £22
SL-99 3 way medium radius point insultrug (Pec) £22
SL-90 Double slip insultrug (Pec) £28
SL-98 Large Y point (Pec) £10
SL-E98 Large Y point electrofrog (Pec) £10
SL-87 Left hand curved point (Pec) £10.50
SL-E87 Left hand curved point electrofrog (Pec) £11
SL-E89 Left hand large point electrofrog (Pec) £10
SL-89 Left hand large point insultrug (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 insultrug (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 insultrug (Pec) £10
SL-88 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-80 Single slip insultrug (Pec) £27
SL-97 Small Y point (Pec) £8
SL-E97 Small Y point electrofrog (Pec) £8.50

Track - Streamline Code 75 Finescale

SL-102F 1 yard (91.5cm) length of finescale Nickel Silver concrete-sleeper flexible track. (Pec) £3
SL-102F Pack of 25 (Pec) £24
SL-100F 1 yard (91.5cm) length of Nickel Silver Finescale flexible track (Pec) £29.5
SL-100F Pack of 25 (Pec) £57
SL-E199 3 way finescale medium radius point electrofrog (Pec) £24
SL-E195 Code 75 Medium Radius Concrete sleeper turnout RH (Pec) £11
SL-E190 Finescale double slip electrofrog (code 75 Rail) (Pec) £31
SL-E188 Finescale right hand curved point electrofrog (Pec) £11
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-E194 Finescale long crossing electrofrog (Pec) £10
SL-E195 Finescale right hand curved point electrofrog (Pec) £11
SL-E188 Finescale right hand large point electrofrog (Pec) £10.50
SL-E196 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

Track & Points

R605 1st Radius Double Curve (Hor) £2.50
R605 Circle of 8 (Hor) £15
R606 2nd radius curve (Hor) £2
R607 2nd radius double curve track (Hor) £22.25
R607 Circle of 8 (Hor) (list £17.50) BARGAIN £18
R609 3rd radius double curve track (8 make a circle) (Hor) (list £22.55) BARGAIN £3
R609 Circle of 8 (Hor) £22
R6062 Double 4th radius curve (8 make a circle) (Hor) £3
R601 Double Straight (Hor) £2.25
R601 Box of 24 (Hor) £49
R6222 Extension Pack B. Contains 1 * R6073, 2 * R600, 4 * R607, 1 * R606, 1 * R603 (Hor) £21
R6225 Extension Pack E. Contains 1 * R6073, 2 * R600, 1 * R601, 2 * R607, 1 * R606, 1 * R603 (Hor) £19
R6226 Extension Pack F. Contains 1 * R6072, 1 * R6073, 2 * R600, 2 * R606, 1 * R603 (Hor) £21
R6074 Left hand curved point (Hor) £2
R6074 Left hand Standard Point (Hor) £2
R6074 Left-Hand Curved Point Radii 438mm Arcs 22.5 & 33.75 (same as Hornby R6074) (Bac) £11
R6074 Left-Hand Point Radius 852mm Arc 11.25 (same as Hornby R6074) (Bac) £11
R6074 Left-Hand Standard Point (Bac) £7
R6074 Long Straight (Hor) £3.25
R6074 Long straight track nickel silver (same as R603) (Bac) £2.50
R6074 Box of 10 (Bac) £24



R621 Pack of 24 One single length of flexible Track (Hor) £66

R621 Single (Hor) £3
R6075 Right hand curved point (Hor) £16
R6078 Right hand Express point (Hor) £16
R6078 Right hand Standard Point (Hor) £9
R6078 Right-Hand Point Radius 852mm Arc 11.25 (same as Hornby R6078) (Bac) £11
R6078 Right-Hand Standard Point (Bac) £7
R610 Short Straight (Hor) £1.50
R610 Standard Straight (Hor) £2
R600 Box of 24 (Hor) £33
R607 Track fixing pins (Hor) £2
R617 Uncoupling Ramp (Hor) £3
R6076 Y Point Radii 852mm Arcs 11.25 (same as Hornby R6076) (Bac) £3

Track underlay

ST1474 24' of OO/HO Gauge Track Underlay in A Continuous Roll - 5mm x 1.75 x 24' (Woo) £7.40
GM205 5 metres of realistic grey ballasted underlay (Gau) £16
GM210 Brown ballasted underlay - 5 metres (Gau) £19
ST-255 Pair of Setrack No.2 radius right hand point underlay (for use ST-240) (Pec) £3.50
SL-50 Roll of foam track underlay (deeper indentation. Suitable for Setrack and Streamline 5m long (16' 4") (Pec) £8
R638 Roll of track foam underlay Approx: 4880mm (16ft) (Hor) £9
SL-52 Small point underlay left hand x2 (for use SL-92, SL-E92 and SL-E192) (Pec) £4

Railway publications



36-2013 Bachmann Branchline 2013 Catalogue (Bac) £5.74



R8147 Hornby 2013 Catalogue (59th Edition) (Hor) £6.50

Buses

35705 36' BET RC Class coach "London Country NBC" (EFE) £25
UK6018 ADL Enviro200 - Heddingham & District (L370 - EU58 JCJ). (Cre) (list £39.99) BARGAIN £25
34001 AEC RT22 d/deck bus "London Transport" (EFE) £20
34019 AEC Routemaster Routemaster "Bournemouth" (Oxf) £6
34019 AEC RT Bus "Greenline (Ensign)" (EFE) £24
34007 AEC RT double decker bus "London Transport" (EFE) £27
38001 Alexander Bristol RE coach "Eastern Scottish" (EFE) £24
38002 Alexander Bristol RE coach "Western SMT" (EFE) £25
760WB005 Bedford OWB Merthyr Tydfil (Oxf) £11
13917 Bristol FLF Lodekka "File Scottish" (EFE) £23
12404 Bristol FLF Lodekka "Western National" (EFE) £23
B103A Bristol Lodekka LD1 open platform, long radiator "Southern Vectis NBC" 533 Freshwater Bay (circa 1969) (Bas) £21

NEW



32306EFE Bristol RELH d/deck coach "Souther National N.B.C." (EFE) NEW £24

20454 Bristol VR III "West Yorkshire" (EFE) £24
38107 Bristol VRT 2 bus "Devon General" (EFE) £25
38108 Bristol VRT bus "Eastern Counties N.B.C." (EFE) NEW £24



14016 Bristol/ECW FLF Lodekka d/deck bus "Western National" (EFE) £24

28010EFE Daimler DMS bus "Bexleybus" (EFE) NEW £24

18012EFE Daimler MOW Fleeline d/deck bus "East Yorkshire" (EFE) NEW £24

NEW



OM41412A Daimler ROE, Grampian, 4 Hazlehead dual destination (Cor) NEW £28

OM41412B Daimler ROE, Grampian, 4 Sea Beach dual destination (Cor) NEW £28

NGS-03 Guy Arab Birmingham City Transport 2596 bus No.32 to Gospel Lane Loop 'Levins & VAT 69' (For) £34

NGB-07 Guy Arab Birmingham City Transport 2935 bus No.41 to Turves Green 'Dulux & Drinkin' (Makadaya) (For) £34

B015Bs Leyland Leopard 'Colchester Borough Transport' (Bas) £15

B014Bs Leyland Leopard coach Route 1 'Kelvin Scottish' (Bas) £15

B014Bs Leyland Leopard coach Route 5 'Kelvin Scottish' (Bas) £15

14408 Leyland National Mk 1 Short 1 Door 'Manchester G.M.P.T.E.' (EFE) £24

16133 Leyland PD2 Highbridge 'Southdown' (EFE) £26

16013 Leyland PD2 Lowbridge bus 'Barton Transport' (EFE) £24

76LRT002 Leyland Royal Tiger Southdown (Oxf) NEW £10

UK9025 Mercedes Citaro - London General (MECS4 - B009 2VZ). (Cre) (list £35.99) BARGAIN £19

32004EFE RCL Routemaster d/deck coach "London Country" (EFE) NEW £24

BARGAIN



OM46302 RM23 (VL23) - Route K2 Kingston Shoppers Express NEW TOOL (First Issue) (Cor) £16

31704 RMC Routemaster 'Greenline' (EFE) £21

31707 RMC Routemaster coach 'Greenline (Stagecoach)' (EFE) £26

33105EFE RMC Routemaster Open Top 'First' (EFE) NEW £24

UK9002 Scania Omnibus Double Decker - Blue Star. 1128 - HES8 KCE (Cre) (list £38.99) BARGAIN £19

Cars

76ASH001 Armstrong Siddeley Hurricane open top in Beige (Oxf) NEW £4

76ATL001 Austin Atlantic Saloon Ash Green. (Oxf) £4

NEW



76BN6002 Bentley MK VI Balmoral Green Met/Ice Green (Oxf) NEW £4



76BN6001 Bentley MKVI Ivo Peters (Oxf) £4

76BFC001 Bentley ST Continental Fastback in Shell grey (Oxf) NEW £3

76BLP001 BL Princess 'Vermilion red' (Oxf) NEW £3

76SET08 Ford Cortina 3 vehicle set Mk1, Mk1 & Mk1l (includes 'Life On Mars' version) (Oxf) (list £10.49) BARGAIN £8

76MAR001 Morris Marina "Harvest Gold" (Oxf) £4

76MAR002 Morris Marina Blazer. (Oxf) £4

76SET07 Morris Minor 3 vehicle set 'Traveler' convertible (closed) & open top (Oxf) (list £10.49) BARGAIN £7

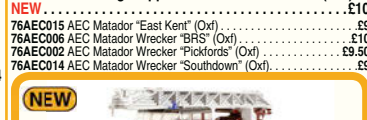
76REL001 Reliant Regal Supervan AA. (Oxf) £4

76REL002 Reliant Regal Supervan BOAC. (Oxf) £4

76PTP001 Triumph 2500 "Saffron yellow". (Oxf) NEW £3

L14 2 forklift trucks - 1 red, 1 yellow (Bas) £7

Commercial vehicles



76TIP003 AEC Ergo Tipper "National Coal Board" (Oxf) NEW £10

76AEC015 AEC Matador "East Kent" (Oxf) £9

76AEC006 AEC Matador Wrecker "BRS" (Oxf) £10

76AEC002 AEC Matador Wrecker "Pickfords" (Oxf) £9.50

76AEC014 AEC Matador Wrecker "Southdown" (Oxf) £9

NEW



76AM002 AEC Mercury TL fire engine Newcastle (Oxf) NEW £17

76ATK001 Atkinson Borderer Flatbed Trailer "Pollock" (Oxf) £12

76AK016 Austin 3-way van "British Rail" (Oxf) NEW £4

76SP064 Austin K8 "Achille Serre" dry cleaners (Oxf) NEW £4

76WB006 Bedford OWB "British Railways" pale milk-grey colour (Oxf) £10

76ATKL001 BRS Atkinson 8-wheel Flatbed lorry (Oxf) £10



76BSA003 BSA M20/WM20 Motorcycle and sidecar 'Royal Mail', early front forks (circa 1934-38) (Oxf) £3

76BUR002 Burrell Showmans "Anderson & Rowlands golden dragon" (Oxf) £9





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www.ehattons.com/preorder

for all forthcoming releases

- DG125029 Burrell Showmans "His Majesty" - Charles Heal, Bristol & Glastonbury (Cor) **NEW** £9
 DG125025 Burrell Showmans "Pride of Worcester" - H Stricklands Grand Palace of Light (Cor) **NEW** £9
 DG125026 Burrell Showmans "William V - William Murphys Scenic Railway" (Cor) **NEW** £9
 DG125018 Burrell Showmans - Dolphin (Cor) (list £8.99) **BARGAIN** £5
 DG125015 Burrell Showmans - King of the Belgians (Cor) (list £8.99) £6
 76DAF01CT DAF D-TEC CombiTrailer "Deben Transport" for Intermodal Freight Containers (Oxf) £16
 76DAF03CS DAF FTG3X105 curtainside in "Prestons of Potts" (Oxf) £18
 ES2004 Emergency Set Bedford CA van (Fire), Morris LD Van (Police), Ford Transit van (Ambulance) and Morris 1000 van (Police) (Cor) (list £13.99) **BARGAIN** £9
 76LT0004 Ford Car Transporter. (Oxf) (list £12.25) **BARGAIN** £8
 76FT0009 Ford Transit LWB High Bus "Eireann" (Oxf) **NEW** £8
 76FT0002 Ford Transit Mid A4 Recovery (Oxf) £8
 76FT0008 Ford Transit SWB Medium "NHS Blood Donor" (Oxf) **NEW** £4
 76FT0005 Ford Transit van high top LWB "Network Rail" (Oxf) £4
 76FT0003 Ford Transit van low roof "RAC" (Oxf) £3.50



- 76FSR001 Fowler Steam Roller "Lord Jellicoe" (Oxf) £10
 DG187013 Guy Big J Tipper - Arney Roadstone (Cor) (list £11.50) **BARGAIN** £6
 DA58 Kamier Bantam drosipede "Coal & Coke Merchant" (Bas) £7
 76SET16 Land Rover Transporter set transporter and 8 vehicles (Oxf) £40
 DA52 Leyland Beaver Artic tanker "Charringtons Fuel Oils" (circa 1953-1963) (Bas) £8

NEW



- 76MAN03CT MAN TGX D TEC CombiTrailer NWT (Oxf) **NEW** £16
 76MAN01CT MAN TGX D-TEC CombiTrailer "Robert Laidlaw" (Oxf) £16
 76MAN02CT MAN TGX XXL Combi-trailer "W H Malcolm" (Oxf) £17
 76MAN02CT T MAN TGX XXL trailer "W H Malcolm" (Oxf) £9
 76SH003 Pat Collins Highwayman Ballast & Low Loader (Oxf) £9
 76SP002 Pioneer Recovery Tractor "B.O.A.C." (Oxf) £9
 76SP001 Pioneer Recovery Tractor "Moreton C Cullimore" (Oxf) £9
 76SP003 Pioneer Recovery Tractor "Travellers Furniture" (Oxf) **NEW** £9
 PO1004 Post Office Set of 4 vehicles (Cor) (list £11.99) **BARGAIN** £9
 DG225005 Ruston Bucyrus 19 - Crane New TOOLING. (Cor) £16
 DG225004 Ruston Bucyrus 19 - Drag Shovel - GWR (Cor) £16
 DG175019 Scammell Handymen - Barton's (Cor) (list £11.50) **BARGAIN** £6
 76SH004 Scammell Highwayman Ballast truck Old Peculiar (Oxf) **NEW** £9
 76SH005 Scammell Highwayman Crane Crows (Oxf) **NEW** £9

NEW



- 76SH002 Scammell Highwayman Crane Pickfords (Oxf) **NEW** £9
 76SH001 Scammell Highwayman Low Load (Oxf) £9.50
 76SCA01HB Scania 380 Horsebox "Eric Gillie" (Oxf) £12
 76WHSCACAB Scania cab - plain white (no or operator) (Oxf) £8
 76SHL01B Scania Highline 420 Horsebox Metallic (Oxf) **NEW** £13
 76SHL02B Scania Highline Stobart Super League "Widnes Vikings" (Oxf) £16
 76SHL01FR Scania Highline Stobart Super League "Huddersfield Giants" (Oxf) £16
 76SHL01FR Scania Highline Stobart Super League "Hull Kingston Rovers" (Oxf) £17
 76SHL07FR Scania Highline Stobart Super League "St. Helens" (Oxf) £17
 76SHL14FR Scania Highline Stobart Super League "Widnes Vikings" (Oxf) £17
 76SCA08CS Scania R Series Topline Curtainside "Knights of Old" (Oxf) £16
 DG214003 Thornycroft Nippy "Southern Railway" (Cor) (list £11.50) **BARGAIN** £7
 76TV004 Tricycle Van "Gas and Coke Service" (Oxf) **NEW** £4
 76VOL01CT Volvo D-TEC CombiTrailer "Norfolkline" for intermodal freight containers. (Oxf) £16
 76VOL01BL Volvo FH Box Lorry in white (Oxf) £12
 76VOL01CL Volvo FH Curtainside Lorry "David Bisset Brown" (Oxf) £12
 76VOL01LL Volvo FH Low Loader "Chris Bennett". Ltd edition of 2000. (Oxf) £16
 76VOL01LS Volvo FH rigid livestock lorry "Fred Greenwood & Son" (Oxf) £12
 76VHFRTRA White modern fridge trailer (Oxf) £7

Farming & Construction

- 76SET12 Baler, Livestock Trailer & Farm Trailer Tripleset (Oxf) £12
 76FTM001 Field Marshall Tractor in Marshall Green (Oxf) £3.50
 DG225000 Ruston Bucyrus 19 - Face Shovel - Green circa 1937 - NEW TOOL (Cor) £16

Military ground vehicles

- 76AEC008 AEC Matador Artillery Tractor British Army "Mickey Mouse". (Oxf) £10
 76TIL002 Austin Tilly 51st Highland Division (Oxf) £4

NEW



- 76SP005 Pioneer Recovery Tractor "RAF Blue Scammell" (Oxf) **NEW** £9

Public Service vehicles



- 76AM001 AEC Mercury TL fire engine "London Fire Brigade" (Oxf) £17
 76REG006 AEC Regent Hong Kong fire engine (Oxf) £10
 76REG001 AEC Regent III/Merryweather Fire Engine "London Fire Brigade" (Oxf) £10
 76ATV005 Austin ATV Essex Fire Brigade (Oxf) £6

NEW



- 76F106001 Dennis F106 Side Pump "London Fire Brigade" (Oxf) **NEW** £10
 76F8001 Dennis F8 fire engine "London Fire Brigade" (Oxf) £11

NEW



- 76DN002 Dennis RS fire engine Dublin Civil (Oxf) **NEW** £10
 76DN001 Dennis RS Fire Engine London FB (London's Burning). (Oxf) £10
 76F8002 FB Dennis F8 Northern Ireland fire engine (Oxf) £11

NEW



- 76FT007 Ford Transit SWB Med "Garda" (Oxf) **NEW** £4
 76SAL005 Scania Aerial Rescue Pump Northamptonshire Fire & Rescue (Oxf) £17

Underground vehicles

- 99935 2 car 1938 tube set "Dinosaur" as per Isle of Wight (not motorised) (EFE) £55

1:72 Scale

Aircraft - civil

- 72DR001 De Havilland Dragon Rapide Biplane - British European Airways. (Oxf) £24

O Gauge

Steam locos



- 175-2008 Pewter model (static) of Locomotive No. 1 by Robert Stephenson celebrating 175 years of Bachmann (Bac) (list £129.95) **BARGAIN** £39

Diesel locos



- 3100 Class 31 Brush diesel-electric in BR Green - limited edition certificate (Hel) £445



- 3390 Class 33/0 diesel in BR green small yellow ends. No running number (Hel) £395

Wagons



- 7F-051-006 5-plank wagon "BR" M318263 (Dap) £35
 7F-071-004 7-plank wagon "Ammanford Colliery" (Dap) £35
 7F-071-006 7-plank wagon "BR" P73154 (Dap) £35



- 7F-080-005 8-plank wagon "BR" P308271 (Dap) £29

Track - Streamline Code 124 Bullhead



- SL-7008B Box of 12 1 Yard O Gauge Flexible Nickel Silver Track (Bullhead Nickel Silver Rail) (Pec) £60
 SL-7008B Single (Pec) £6
 SL-E7908B Double slio (8 degree angle). Electrofrog (Pec) £75
 SL-E7878B Left hand O gauge curved turnout (Pec) £47
 SL-E7928B Left hand point bullhead rail and electrofrog (Pec) £36
 SL-E7918B Right hand point bullhead rail and electrofrog (Pec) £36



- SL-E7978B Y Point bullhead rail and electrofrog (Pec) £36

Cars

- VA11208 Austin A40 Farina Mk1 Countryman, Horizon Blue/Black (Cor) £19
 43AHT003 Austin Heavy Twelve in Cobalt blue (Oxf) £17
 VA13301 Ford Capri Mk1 3000 GT, Lancashire County Constabulary NEW TOOLING (Cor) £20

NEW



- VA12506 Ford Fiesta Mk1 XR2, Sunburst Red SPECIAL EDITION (Cor) **NEW** £19
 43HPL001 Humber Pullman in black/burgundy (Rothchild) (Oxf) £17
 43HPL003 Humber Pullman Limousine in black "King George VI" B71 (Oxf) £18
 43HPL002 Humber Pullman Limousine in Black pearl/Shell grey. (Oxf) £17
 43JAGXK150005 Jaguar XK150 FHC in Cotswold blue (Oxf) £18
 43JAGXK150004 Jaguar XK150 Roadster in British Racing green (Oxf) £17

NEW



- VA12706A Peugeot 205 GTI 1.9 "1FM" in black (Cor) **NEW** £19
 VA11507 Triumph TR4A, Salford City Police (Cor) £20
 VA13202 Vauxhall Astra Mk2 GTE 16V, 1989 RAC Esso British Touring Car Championship, overall winner - John Cleland - NEW TOOL (Cor) £20

G Scale

Steam locos

- 91401 Thomas the Tank Engine (with moving eyes) (Thomas the Tank range) (Bac) £109

Train sets - analogue

- 90069 Percy and the Troublesome trucks train set (Thomas the Tank range) (Bac) £199



Track & Points

- 10610 Straight track 1200mm long (LGB) £23
 10610 Box of 6 (LGB) £124

Any or multiple scales

Analogue controllers

- TS 3 Track power controller (1 brake simulator) (Gau) £119
 COMBI Combi 1 amp transformer separate controller. (Gau) £30
 DS Double power controller brake simulator. (Gau) £119
 DF Double power unit feedback. (Gau) £69
 D Double track power controller (Gau) £63
 HH Hand held circuit controller feedback (Gau) £32



- Q Quadruple 4 circuit power controller. (Gau) £125

Analogue power supplies



- M1 Output 2*16v AC 1A. (Gau) £37

Analogue point control

NEW



- A001Smart 4 Servo control & operation set complete switches, control board & digital readout for Analogue operation (A003Analogue) (Sma) **NEW** £69
 A003Smart 4 Servo control & operation set complete switches, control board & digital readout for DCC operation (A003DCC) (Sma) **NEW** £79
 A002Smart 4 Servo control & operation set SmartFrog complete switches, control board & digital readout for Analogue operation (Sma) £90
 A004Smart 4 Servo control & operation set SmartFrog complete switches, control board & digital readout for DCC operation (Sma) **NEW** £115
 CDU Capacitor Discharge Unit (Gau) £11
 PL-35 Capacitor discharge unit (Pec) £12
 PCU1 Electronic points control unit (Gau) £82
 PL-15 Twin Microswitch (Pec) £6

DCC decoders



- 36-557 21-pin E-Z Command 4 Function 1A decoder back EMF (Bac) £15
 DCC30 4 Function 1 Sided 3A decoder for stationary accessories (Gau) £39
 BPDC25 8-pin 4 Function 1.2A (2A peak) OPT1 decoder x5 (Gau) £52



- DCC25 8-pin 4 Function 1.2A (2A peak) OPT1 decoder (Gau) £11

DCC controllers

- 36-561 EZ Command Dynamis point decoder (Bac) £37



- 36-520 EZ Command 5 amp booster transformer (Bac) £165

- 36-505 EZ Command Dynamis Digital Control System Transformer (Bac) £95

- 36-508 EZ Command Dynamis Pro Box (Bac) £145



- 36-507 EZ Command Dynamis system - Additional handset (Bac) £58



- DCC03 Prodigy "Advance 2" Wireless starter DCC controller package (Gau) (list £479.95) **BARGAIN** £395
 DCC49 Prodigy 8 Amp booster unit (Gau) £144

DCC accessories

- 4A-001-001 DCC Signal controller for 2 signals (all scales) (Dap) £24

Point motors

- PL-9 5 Mounting Plates for use PL10E (Pec) £2.25
 PL-10WE High performance turnout point motor extended pin (Pec) £5
 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) £15
 PM-5 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
 PL-22 Lever Operated On/Off Switch (Pec) £4
 PL-23 On-On Changover Switch (style matches PL26 series) (Pec) £4
 PL-26B Passing Contact Switch - Black Lever (Pec) £4.50
 PL-26R Passing Contact Switch - Red Lever (Pec) £4.50
 PL-26W Passing Contact Switch - White Lever (Pec) £4.50
 PL-26Y Passing Contact Switch - Yellow Lever (Pec) £4.50
 PL-27 Switch Console Unit (Pec) £3

Electronic components

- HF-2 Electronic twin track cleaner (Gau) £21
 26211 Turntable Motorising Set (Exp) £37

Accessories

Spares

- XU2175B Flexible track cutters (XURON). (Gau) £15



- TT4550 Tidy Track Rail Tracker Cleaning Kit (Woo) £25.25

Grass, ground, lichen, hedges & foliage

- TR3582 Hedgerow 1 - 4" (Woo) £21

Track underlay

- ST1423 0.5" Thick 12 x 24" Foam Sheets x4 (Woo) £17
 ST1411 Incline For Transition From 1 Level To Another - 4% Set - Elevates Track 4" in 8" 2.5" Wide - Pack Of 4 (Woo) £10.70

Railway publications



- R8144 RailMaster PC Model Railway Control System on DVD (Hor) £49

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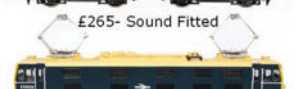
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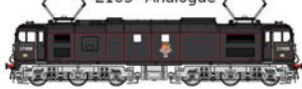
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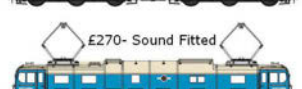
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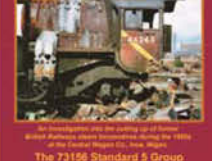
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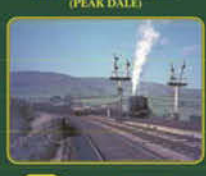
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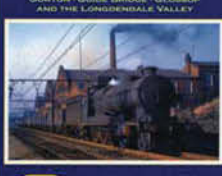
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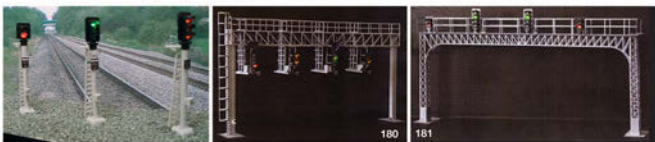
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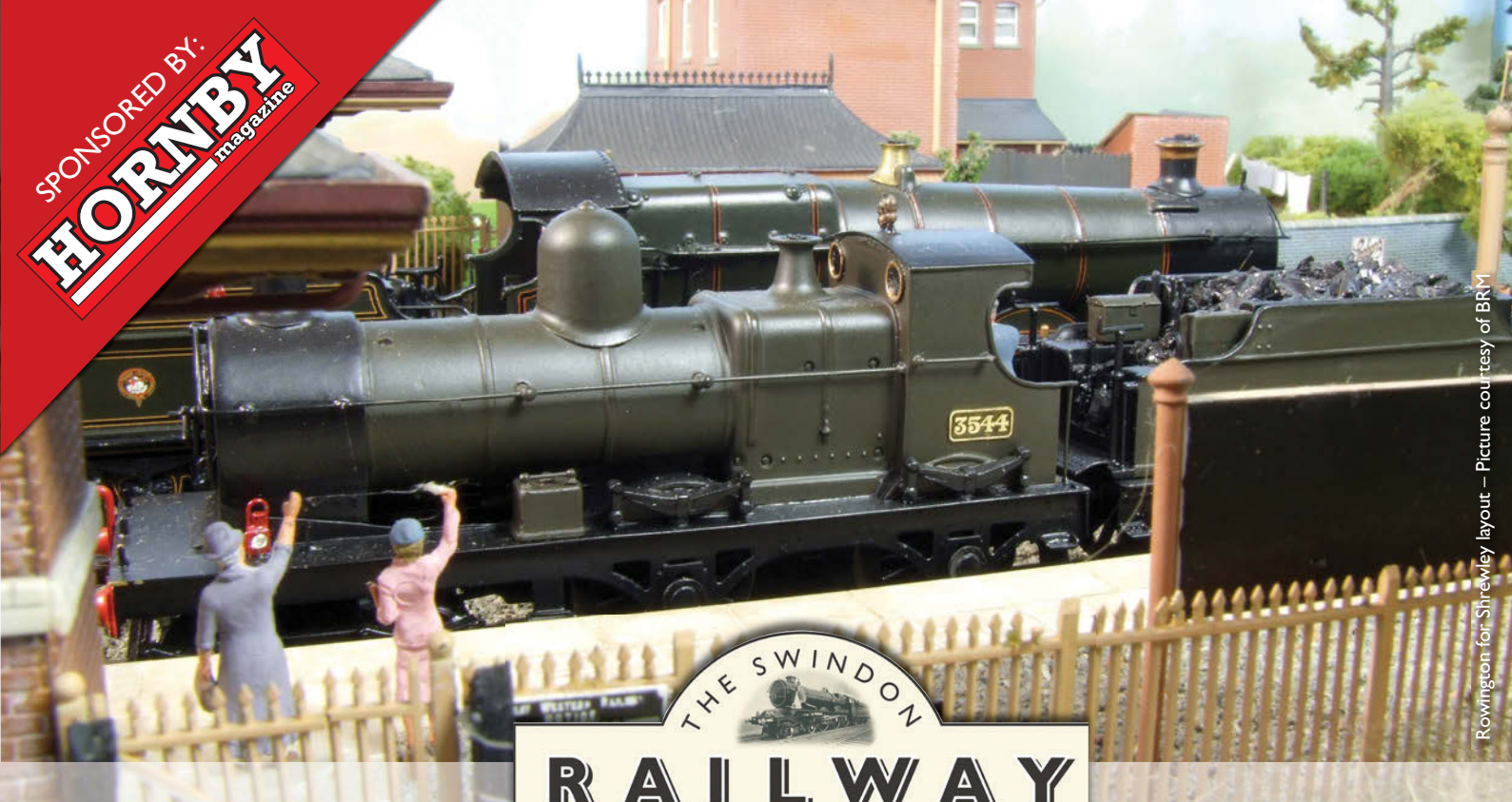
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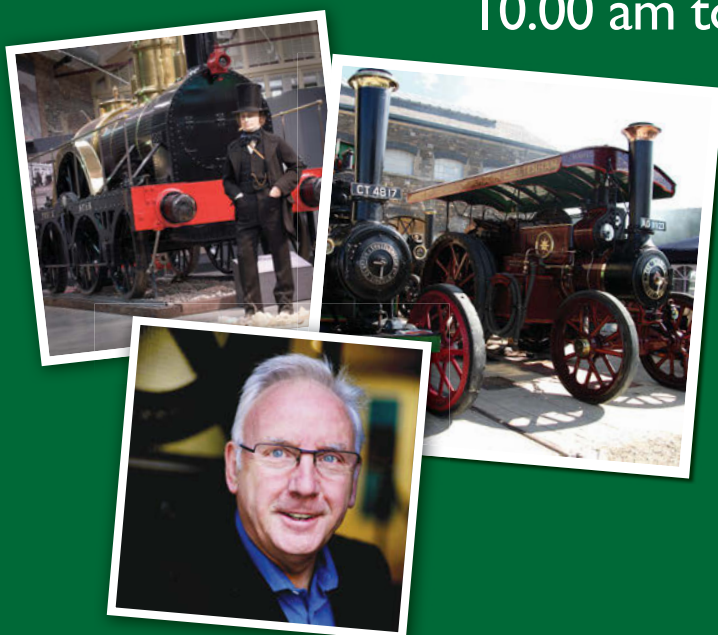
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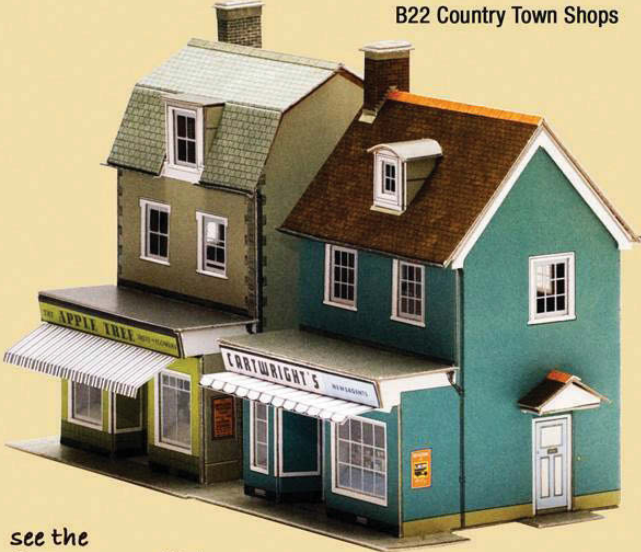
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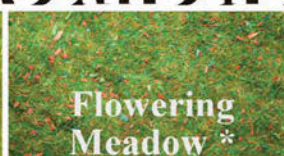


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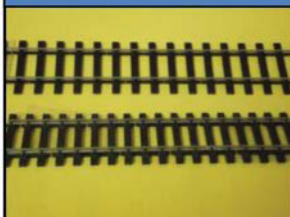
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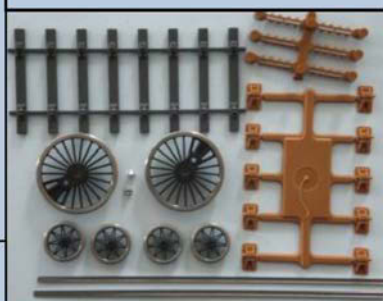
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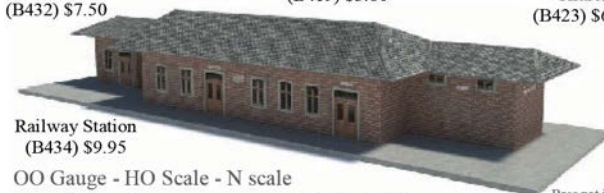
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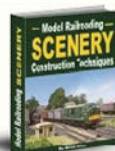
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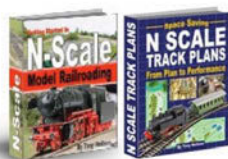
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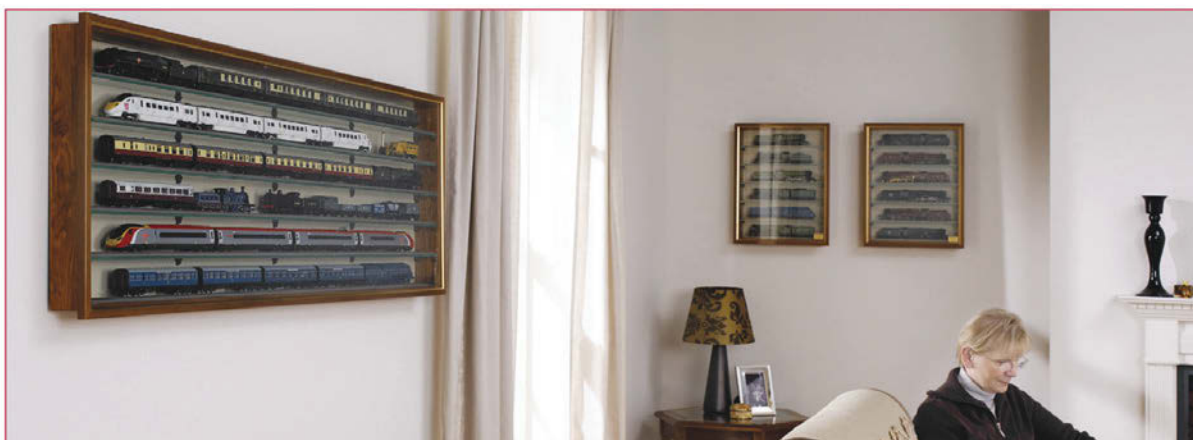
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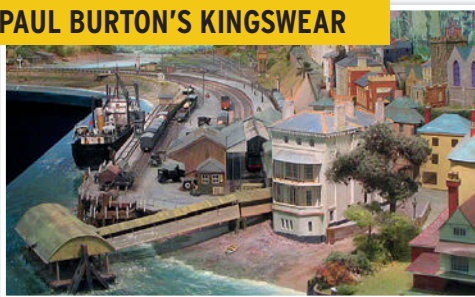


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NEXT ISSUE

BATH GREEN PARK AT 'HOME'!

The name Bath Green Park is legendary in real and model forms. This famous layout first featured in *Hornby Magazine* in issue 4, but this time we're taking a completely different look at this stunning layout by bringing you the full story on how it works at 'home' in the company of Tamerig Central. Don't miss this amazing layout!



PLUS

We'll be reviewing all the latest models. Plus our regulars will be back too including Quick Fix focusing on carriages, Reality Check, Staff Projects and Railway Realism.

AN INDUSTRIAL 'TEDDY BEAR'

The BR Class 14 0-6-0 hydraulics were redundant almost before they entered service, but many found a second life in industry. Tim Shackleton picks up a Hattons 'Teddy Bear' and gives it that workstained, hard working National Coal Board look.



BUILD BETTER TUNNELS...

Railway tunnels are incredibly useful scenic features for model railways in providing a convincing scenic break. Next issue we show you how to improve your tunnels with simple methods, materials and techniques.



THE **NEXT ISSUE** OF
HORNBY
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'N' releases in July

Pannier



2S-007-001 - Pannier BR Black with
Late Logo 5759

2S-007-002 - Pannier BR Lined Black with
Early Logo 8771

Class 56



2D-004-008 - Class 56 (Doncaster Built)
Construction Livery 56056

2D-004-008D - Class 56 (Doncaster Built)
Construction Livery 56056 DCC Fitted

Also released this month include;

2D-013-051 - Class 27 Dummy BR Blue 27203

2D-013-053 - Class 27 Dummy BR Green with small yellow panel D5360

2D-013-052 - Class 27 Dummy BR Blue 27212

2D-013-054 - Class 27 Dummy BR Green with small yellow panel D5369

All product release dates correct at time of going to press

'OO' releases in July



4F-013-007 - Gunpowder Van -
NE

4F-013-008 - Gunpowder Van -
NE Weathered



4F-071-009 - 7 Plank - BR

4F-071-010 - 7 Plank - BR Weathered



4F-030-003 - 16T Steel Mineral -
Atkinson & Prickett

4F-030-004 - 16T Steel Mineral -
Atkinson & Prickett Weathered

Also released this month include;

4F 020-003 - Cattle Wagon GWR 13824

4F 020-004 - Cattle Wagon GWR 13824 Weathered

C101A - 60ft Stanier Corridor Composite

LMS Maroon Lined 3950

4P-010-018 - 57ft Stanier Brake Non Corridor

BR Maroon Lined M19190M

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BRISTOL: **Model Railways Direct** tel:01275 774224
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CHELTENHAM: **Cheltenham Models** tel:01242 523117

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LIVERPOOL: **Hattons** tel:0151 733 3655
NANTWICH: **Trident Trains** tel:01270 842400
NORTH LANCING: **Morris Models** tel:01903 754850
ROCHESTER: **The Signal Box** tel:01634 826370
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SHEPTON MALLET: **East Somerset Models** tel:01749 880651
YORK: **Monk Bar Model Shop** tel:01904 659423

Ivatt Class 2MT 2-6-0

N Scale Model Locomotives



372-625 Ivatt Class 2MT 2-6-0 46521 BR Lined Green Late Crest



Graham Farish are pleased to present the Ivatt Class 2MT in **N Scale**. The models feature **a loco drive chassis incorporating our new motor, detailed plastic locomotive and tender bodies including a detailed cab interior and six axle pickup through the locomotive driving and tender wheels**. Available soon from your local stockist: to find your nearest retailer, please visit www.bachmann.co.uk.



372-626 Ivatt Class 2MT 2-6-0 46440 BR Lined Black Early Emblem



372-627 Ivatt Class 2MT 2-6-0 6404 LMS Black



Era ③ signifies locomotives suitable for period 1923 - 1947 The Big Four - LMS, GWR, LNER & SR
Era ④ signifies locomotives suitable for period 1948 - 1956 British Railways Early Emblem
Era ⑤ signifies locomotives suitable for period 1957 - 1966 British Railways Late Crest



Indicates where locomotives are fitted with a NMRA/NEM 651 6-pin socket



Indicates that the locomotive or rolling stock features NEM couplings