GARDEN

MARCH 2020 ISSUE 307







Ex- display items now for sale. Check our End of Line

Visit Our Aylesford Show Room! Open Monday-Friday 10am-4:30pm & 1st Saturday of the month 11am-4pm

Garden Railways

Request your FREE Catalogue today!

0800 022 4473 www.dream-steam.com

*In stock as of 24/12/19, please note these loco's may no longer be available, check stocks online or call. Please note basic range takes 12 weeks from inital order and other locomotives are in batches. Batch dates will be in product description. Locomotives in stock will state instant dispatch available.

PayPal VISA 133







Fixing kits & Washers Chuffers **G** Scale Figures

Curve Setters

£390.00 £390.00 £410.00 £230.00 £225.00 £280.00

£80.00

£70.00

£70.00 £59.50 £59.50

£70.00

£70.00

£70.00

£70.00

£70.00

£70.00

£70.00 £70.00

£46.00

£79.00 £79.00 £90.00

97003

97004

98015

98010

98017

98012

98021

92504

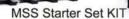
BRAND OF THE MONTH: MSS

MSS Saddle Tank Loco MSS 3/4 Side Tank Loco MSS Side Tank Loco MSS Side Tank Loco KIT 909013 £240.00 (available in Black, Green & Maroon)

909009 £200.00 (available in Black, Blue, Green & Maroon)

909030 £300.00 (available in Black, Green & Maroon) 909003 £210.00 (available in Black, Blue, Green & Maroon)





DSUPCYL

MSS Starter Set KIT is £305.00 our best value kit, each Starter Set Kit includes all the parts to assemble one MSS Side Tank Locomotive with matching Tender, 16 ces of curved track and 4 pieces of straight track (enough to make an oval 7ft x 5ft), a box of solid fuel tablets, funnel and full instructions, Available in Black, Blue, Maroon and Green



E72.00 Percy and the Troublesome Trucks £90.00 Thomas with Annie & Clarabel Set £45.00 Thomas Christmas Delivery £29.00 Toby the Tram £38.00 Thomas the Tank Engine £4.00 James the Red Engine £5.00 Clarabel Coach £3.10 Emily's Coach £3.10 Emily's Coach

£38.00 Thomas the Tank Eng £4.00 James the Red Engin £4.20 Ania Coach £5.20 Clarabel Coach £3.10 Emily's Coach £12.50 Troublesome Truck £ £9.40 Troublesome Truck £ £3.00 Ice Cream Wagon £ £1.90 Trought Milk Tank

Ice Cream Wagon Tidmouth Milk Tank S.C Ruffey

Explosives Box Van

Open Wagon Blue Open Wagon Red

Spiteful Brake Wagon

V Dump Car (Oxide Red)

MSS Starter Set

The MSS Starter set is £320.00 our best value set, each Starter Set includes one MSS Side Tank Locomotive with matching Tender, 16 pieces of curved track and 4 pieces of straight track (enough to make an oval 7ft x 5ft), a box of solid fuel tablets, funnel, coupling hook and full instructions. Available in Black, Blue, Maroon and

PECO 32mm (SM32) Tr	ack	
Flexi Track - 12 Pack	SL600x12	£110.00
Flexi Track - 4 Pack	SL600x4	£38.00
Flexi Track - Single	SL600x1	£10.00
Setrack Curve - 6 Pack	ST605x6	£48.00
Setrack Curve - Single	ST605x1	£8.50
Setrack 38 Radius Curve - Single	ST607	£8.50
Setrack 38 Radius Curve - Six Pack	ST607x6	£48.00
Right Hand Point	SLE695	£45.00
Left Hand Point	SLE696	£45.00
Y Point	SLE697	£45.00
Small Radius Right Hand Turnout	SLE691	£45.00
Small Radius Left Hand Turnout	SLE692	£45.00
Wagon Turntable and Crossing	SL627	£20.00
Rail Joiners - 24 Pack	SL810	£3.50
45mm (G45) Tr	ack	
Flexi Track - Six Pack	SL900x6	£85.00
Flexi Track - Single	SL900x1	£16.00
Setrack Curve - Six Pack	ST905x6	£45.00
Setrack Curve - Single	ST905x1	£8.50
Setrack Straight - Six Pack	ST902x6	£45.00
Setrack Straight - Single	ST902x1	£8.50
Right Hand Point	SL995	£60.00
Left Hand Point	SL996	£60.00
Point Motor Mounting Plate	PL8	£3.60
Metal Rail Joiners - 18 Pack	SL910	£6.00
Insulating Rail Joiners - 12 Pack	SL911	£3.10

SUMMERLANDS CHUFFER

These highly developed and precision engineered chuff pipes that can bring the real sound of a working steam loco
A wide range always in stock! Specials can be ordered on request

inc. P&P

MAMOD £452.00 £353.00 £353.00 £460.00 From £325 MTFI GO

Telford MTELG0			£452.00
MKIII	II MK3 From		£353.00
Saddle Tank	MST From		£353.00
Brunel	MBrunelOG		£460.00
Boulton	1351BO		From £3
Tram	1351TR		£520.00
Tender	MTDR		£45.00
Tanker	MTNK		£42.00
Goods Wagon	MGWN		£49.50
Guards Van	MGVAN		£75.00
Telford Tender	MTDR-T		£45.00
	MSS		
Maroon Tender (32mm/45mm)		911403	£55.00
Green Tender (32mm/45mm)		911405	£55.00
Black Tender (32mm/45mm)		911401-BL	£55.00
Blue Tender (32mm/45mm)		911402-BL	£55.00
Maroon Passenger Coach (32mm/45mm)		911201	£55.00
Blue Passenger Coch (32mm/45mm)		911201BL	£55.00
Log Wagon (32mm/45mm)		911501	£55.00
Goods Van (32mm/45mm)		911101	£55.00
Guards Van (32mm/4	(5mm)	911001	£55.00
Coal Wagon Grey (32mm/45mm)		911505	£55.00
Coal Wagon Unpainted (32mm/45mm)		911505-1	£55.00
Pair of Flat Bed Wagons (32mm/45mm)		911301	£55.00
Straight Track		910003	£35.50
Curved Track		910005	£35.50
Left Hand Point		910001	£25.40
Right Hand Point		910002	£25.40
Side Tank Locomotive (32mm/45mm)		909003	£210.00
Saddle Tank Locomotive (32mm/45mm)		909013	£240.00

Side Tank Locomotive Kit (32mm/45mm)

SLAIERS		
estiniog Railway Ashbury First Class 4-Wheel Carriage Kit	16C01	£73.50
estiniog Railway Third Class Ashbury 4-Wheel Carriage Kit	16C02	£73.50
inorwic Slate Wagon Kit	16W01	£20.00
estiniog Railway 2 Ton Braked Slate Wagon Kit	16W03	£27.00
estiniog Railway 2 Ton Unbraked Slate Wagon Kit	16W04	£25.40
/ar Department Light Railways K Class Skip Wagon Kit	16W06	£23.00
inorwic Quarry Slab Wagon Kit	16W08	£25.50
inorwic Quarry "rubbish" Wagon Kit	16W09	£25.50
laster's Mek-Pak	0502	£5.00
laster's Mek-Pak Brush	0505	£3.70

909011

£200.00

Upgrade Cylinders Ceramic Gas Burner Set Three Wick Meths Burner Three Wick Meths Burner Dead Leg Lubricator Steam Regulator Kit Small Brass Chimney Cowl Brass Cab Hand Rails Brass Side Tank Hand Rails Brass Smoke Box Hand Rails Cylinder Covers Brass Sand Boxes Brass Tank Tops Lubricating Oil Meths Burner Wick

Curve Tipped Syringe 460 Steam Oil 500ml 220 Steam oil 500ml Solid Fuel Tablets Meths Filler Bottle

Bertie

Lady Anne

Lady Anne Little John

On Orde

DSUPGBS DSUP3WMB DSUPDLDL DSUPSRK DSENSMCWL DSENSMCWL DSENCH DSENSTHR DSENSBXHR DSENCYCV DSENSBX DSENWTT SWLUB30 DSWWK6 DSWWK6 DSWCTS DSW460SO500 DSW220SO500 980001 **DSWWFB** DSWMFB

£3.00 ROUNDHOUSE w* 45mm £660 £660 Deep Brunswick Green 32mm £660 Maroon 32mm Radio Contro £1610 Deep Brunswick Green 32mm R/C £1610 w 32/45mm Due 12 weeks Due 12 weeks Due 12 weeks Due Aug 2020 Due Aug 2020 Due Aug 2020 Due July 2020

MSS 3/4 SIDE TANK - £300 MSS TANKER - £55 MSS TANKER KIT - £53

can be altered to your own Deposit of only £200 requir

£5.50 £5.50

£3.50

V Dump Car (Oxide Red G' Flat Wagon with Log "LS" Skeleton Log Car "LS" Speeder Orange "LS" Speeder PRR "LS" Speeder Santa Fe eeder Santa Fe Set-a-Curve Available in 32mm and 45mm Please note all loco's 'on order' with a wide range of Radii

Sodor Fruit & Vegetable Co. Box Van Sodor Fuel Tank













SUMMERLANDS CHUFFER





Dream Steam Ltd, Ground Floor Suite, Vanguard House, Mills Road, Aylesford, Kent, ME20 7NA

Call us: 0800 022 4473 or send an email to sales@dream-steam.com

www.dream-steam.com | sales@dream-steam.com | @dreamsteamworks | facebook.com/dreamsteamworks



Incorporating GARDEN RAILWAY WORLD Issue 307 • March 2020

Publisher: Steve Cole stevec@warnersgroup.co.uk Editor: Phil Parker phil.parker@warnersgroup.co.uk T: 07879 664 383 Design: Neil Sayer Advertising: Bev Machin

bevm@warnersgroup.co.uk T: 01778 392055 Hollie Deboo

hollie.deboo@warnersgroup.co.uk T: 01778 395078

Production: Allison Mould

Allison.mould@warnersgroup.co.uk T: 01778 395002

Advertising Designer: Amie Carter amiec@warnersgroup.co.uk Marketing Manager: Carly Dadge

carlyd@warnersgroup.co.uk Contributors: Martin Eady, Chris New, John Robinson,

Dave Skertchly, Mark Thatcher, Richard Turner

Cartoon: Barbara Martin www.warnersgroup.co.uk

©Warners Group Publications plc 2020

All rights reserved. Material is only accepted on the understanding that there are no copyright restrictions. Although every care will be taken, all materials submitted are at the owner's risk and Warners Group Publications cannot be held responsible for loss or damage however caused. Copyright on all materials in this magazine remains vested in the Authors and Warners Group Publications. Reproduction of the whole or any part is forbidden without relevant permissions. Warners Group Publications and the Editor cannot be held responsible for any error that might occur in text or advertisements. Reliance placed upon the contents of the magazine is entirely at the reader's own risk.

Printed by: Warners Midlands plc

Distribution

News Trade - Warners Distribution T: 01778 392417

Model Trade – Warners Trade Sales T: 01778 392404

Overseas Agents - Japan Erei Co, Ltd 1-1-12 Toyotama-kita, Nerma-ku, Tokyo 176

Subscriptions

T: 01778 392465 F: 01778 421706 (UK & Overseas) subscriptions@warnersgroup.co.uk UK: £57.00 12 issues (1 year) (UK DD: £11.99 Quarterly, £49.99 Anually) Rest of Europe: £71.00 12 issues (1 year) Rest of World: £83.00 12 issues (1 year) You can now manage your subscription online at: www.world-of-railways.co.uk www.warners.gr/gardenrailrenewals

Back Issues

T: 01778 391180 subsaccexecteam@warnersgroup.co.uk West Street, Bourne, Lincolnshire PE10 9PH

Contents

IN SHOP • DIGITAL • MOBILE • APP

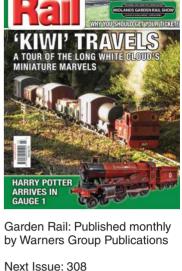
- VIEW FROM THE END OF THE PLATFORM
- PRODUCT NEWS
- 16 PERSONALISING AN ACCUCRAFT **BAGNALL Richard Turner**
- 22 KEEN, LEAN AND VERY, VERY GREEN Mark Thatcher
- 30 THE SUMMER THAT ALMOST WASN'T John Robinson
- MIDLANDS GARDEN RAIL SHOW 33 **GUIDE**
- INDOOR MOUNTAINEERING 39 IN G SCALE Martin Eady
- **DIARY DATES**
- **BUILDING A BUDGET** 46 **RADIO CONTROL SYSTEM**

Chris New

50 SCRATCHBUILDING AN UPPER-CLASS **OPEN BALCONY COACH** Dave Skertchly

- **58 MAILBOX**
- **62** SEEN AT THE LONDON MODEL **ENGINEERING EXHIBITION**

Next Month: We're off to Wales with Ben Bucki visiting the Anglesey Model Village.



On sale: 12 March 2020



VIEW FROM THE END OF THE PLATFORM



Are you a builder or a buyer?

n this issue you'll find Chris New explaining how he fits locomotives with radio control on a budget. When I first read his piece I knew it would be interesting and useful to readers, but also highlights a conundrum facing any modelling magazine editor.

Alongside the articles, you'll also find advertising from the many excellent suppliers within our hobby, some of whom sell radio control systems.

With a commercial hat on, is publishing Chris's article a bad thing, or at least something they would disapprove of?

I hope not. My feeling is that there is space for all. Many people will delight in putting together their own RC setup. Others will decide that trying to work out what a "Micro JST" plug is isn't worth the bother.

The first group will say it's all simple really and everyone should be ordering stuff direct from China and breaking out the soldering iron at the first opportunity. Wrangling circuit boards and wires is great fun and there is immense satisfaction once everything works.

Others derive their pleasure differently and fighting the electric spaghetti just gets in the way of their favourite parts of the hobby. You only have to look at those operating layouts at exhibitions to know how popular off the shelf control systems are – justifiably once you've had a play with one.

Garden railways, in my experience,

but Dave Skertchly is happy to turn a pile of raw materials into coaching stock, even making his own castings.

ORDER, ORDER.

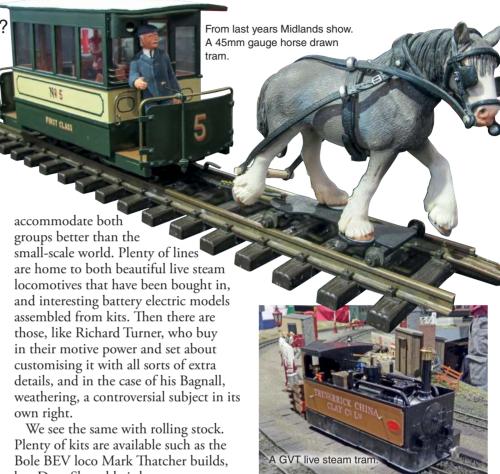
Late in the preparation of this issue, I had to shuffle the page order. This sees Product News move to the front of the magazine as extra space was required for all the models announced. I'm not planning to make this a permanent move, unless readers prefer it this way. If you do, or don't, let me know.

Talking of Product News, there's a

lot of electric power this time. For a while the live steam boys have enjoyed a procession of announcements, and we have two more of those as well as a progress update on one from last month, but the biggest surprise has to be the arrival of Hornby. OK, it's a posh toy, but I bet there are a few running around 45mm gauge layouts in a few months time. To entertain the kids, obviously...

THE MIDLANDS GARDEN RAIL

We are hosting the show guide for the Midlands show as usual this month. It's the closest show for me so I'm intending to visit on both days. Please stop for a chat if you spot me. One of my favourite parts of this job is talking to readers. This is your magazine. Tell me what you'd like to see on these pages, but don't be surprised if I try to persuade you to share your efforts with us too.



One for the vintage enthusiast, a 1940s express locomotive built by Bowman. Garden Rail 307 | March 2020



www.km-1.de

KM1 Modellbau e.K. • Ludwigstraße 14 • 89415 Lauingen/Germany • Phone: +49 - 9072 - 922 670 • Fax: +49 - 9072 - 922 6722 • info@km-1.de For more information and details, visit our website. Offers are valid only while stock lasts. Optical and technical modifications are subject to change. Our terms and conditions of business are applied. Copyright and pictures: KMI Modellbau. All rights reserved.

From the Works

Trade information on new products for the garden railway modeller... If you are a trader with any new product, then contact phil.parker@warnersgroup.co.uk Please mention Garden Rail when contacting suppliers

GARDEN RAILWAY SPECIALISTS

Project Update - 16mm scale "Alice" type Quarry Hunslet

Pilot models are due in Spring 2020 with production scheduled for 2020/1. We'll bring you photos of the pilots as soon as we receive them.

Specification:

- 1/19th Scale
- 32mm or 45mm
- Full Stephenson's Valve Gear
- Poker burner
- Water & Pressure gauges
- 20-30 min. running time (TBC)
- Manufactured by Bowande in China

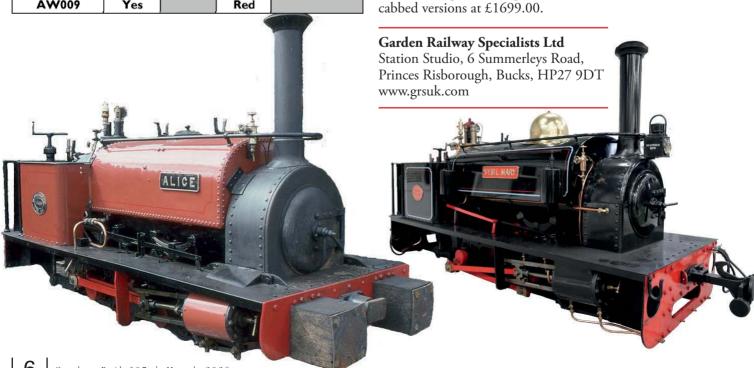


Product Code	Cabless	Cabbed	Livery	Lining Style
AW001	Yes		Black	Penrhyn
AW002	Yes		Red	Dinorwic
AW003		Yes	Green	Black/Yellow
AW004		Yes	Blue	Black/White
AW005		Yes	Red	Black/Yellow
AW006		Yes	Black	
AW007		Yes	Black	Penrhyn
AW008	Yes		Black	
AW009	Yes		Red	

Open cab Locos will be produced in Penrhyn lined Black (red/blue), and Dinorwic lined Red, with additional plain black and plain red versions ideal as a base for custom paint schemes.

Those preferring a cabbed loco will have a choice of Penrhyn lined Black, or plain Black, but also Red, Green, or Blue lined liveries based on the Britomart style.

Estimated prices are open cab Locos at £1499.00 with the



PRODUCT NEWS

HORNBY

Gauge 1 Harry Potter train set

The biggest surprise in Hornby's 100th anniversary new product announcements is that they will be marketing the Gauge 1 Harry Potter train set produced in the USA by Lionel trains.

Each set includes "Hogwarts Castle", a pair of coaches, an 73" by 50" oval of plastic track and a remote control. As well as operating the speed and direction of the model, the control activates the sound effects, including clips from the movies.

While undoubtedly a toy, those coaches remind your Editor of the Triang shorties from the 1960s, it's great fun and a lot of train for the money.

Lionel sell extra track pieces, includin pointwork, but I can't see why the model shouldn't run on normal 45mm gauge track. I suspect there will be a few modellers who add this to their layout to entertain younger enthusiasts, and others looking at it with ideas for converting the stock to other things.



APPLE TREE RAILWAY

45mm gauge enclosed motor-gearbox units

Apple Tree Railway have been producing Gauge 3 gearboxes for some years and have now developed a compact axle-hung unit with ballraces and enclosed spur gears for Gauge 1.

The design keeps out grit, stray ballast, leaves and twigs that can cause havoc with open gears. Scale speeds for 1:22.5 can approach 30-45 mph, depending on the train weight and wheel size. As an example, two units driving 30 mm wheels with a total train weight of 10kg, typically reaches scale 34 mph, with 40 mm wheels it's 45 mph.

Specification:

• Either 9V or 12V motors can be specified, giving same performance. • Gear ratio 10.8:1.

Price: £149.99 (RRP)

Release date: Autumn 2020

 Typical free running axle speed is 490 rpm.

• Body diameter is 26mm, requiring minimum wheel diameter 28mm.

• Gearbox clamped onto supplied axle using hex key.

 Axle journals designed for Slater's Gauge 1 twist-on wheels.

• Back-to-back is 40mm.

Price £40 per unit +P&P Includes axle, hex key, user instructions and test certificate.



Kent. CT9 4JX

www.hornby.com

www.facebook.com/appletreerailway/

PRODUCT NEWS

LGB 2020 RANGE ANNOUNCED.

Class IV K Meyer locomotive

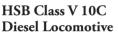
Painted and numbered as an Era III locomotive on the DR.

Two powerful Bühler motors drive all of the wheelsets, some of which are fitted with traction tyres.

The locomotive has an mfx/DCC decoder with many sound and light functions, such as headlights that

change over with the direction of travel, cab lighting, and a smoke unit with steam exhaust synchronized with the wheels.

Length over the buffers 48cm/18-7/8".



A model of the class

V 10C diesel locomotive, numbered 199 006-8, as it still is today on the HSB. The livery and lettering are prototypical for Era VI.

All of the wheelsets are driven by a powerful Bühler motor.

The locomotive has an mfx/DCC decoder with many light and sound functions.

The cab doors can be opened. Length over the buffers 29cm/11-7/16".

DRG Class 99.22 Steam Locomotive

A model of the German State Railroad Company (DRG) narrow gauge steam locomotive, numbered 99 221, in the photo grey paint scheme as originally delivered.

This is the version with an older design boiler with a feed water heater. The livery is for Era II.

All wheels are drvien by two powerful Bühler motors. The locomotive has an mfx/DCC decoder with many sound





and light functions, such as headlights that change over with the direction of travel, cab lighting, or separately controlled running gear lights.

The locomotive has a whistle and bell activated by a reed switch, sounds that will also work under analogue operation. A built-in smoke generator with steam exhaust is synchronized to the wheels as well as cylinders. The locomotive has many separately applied details including a completely detailed cab as well as doors that can be opened. The dual headlights and the large ventilation installation on the cab roof are correct for the era.

Length over the buffers 55cm/21-5/8".

Kirnitzschtalbahn Street car and trailer

This is a model of an old-timer streetcar with a trailer painted and lettered for the Kirnitzsch Valley Railroad in Saxony. The livery is for Era VI.

Both wheel sets on the motor car are driven by a powerful Bühler motor. The train has an mfx/DCC decoder with many light and sound functions – this is the first time the model has been made available with sound.

The headlights change over with the direction of travel and the running sounds will work in conventional operation. Two sound functions can be activated with built-in reed contacts. A cable to connect the trailer car electrically to the motor car is included.

Length over the buffers 70cm/27-9/16".

MPSB Diesel Locomotive

This is a model of the field railroad diesel locomotive in the MPSB (Mecklenburg-Pomeranian Narrow Gauge Railroad) Livery, for Era VI.

All wheels are powered. The locomotive has an mtc21 interface connector for the first time with an mtc21 decoder interface for adding a







Märklin 60972 or 60975 decoder.

Length over the buffers 19cm/7-1/2".

To accompany the locomotive, there is a double-pack of coaches fitted with metal wheels.

Length over the buffers together 50cm /19-11/16".

Coca Cola® Mogul Steam Locomotive

This is a model of a Mogul design oldtimer steam locomotive in a Coca Cola® livery for in Era III.

All wheels are driven and traction tires are fitted.

The locomotive has an mfx/ DCC decoder with many light and sound functions. It has a smoke generator with smoke exhaust and cylinder steam synchronized with the wheels. The headlight and running sounds will also work in analogue operation.

Length over the buffers 67cm/26-3/8". To compliment the locomotive, a range of coaches will also be available.



Chloe Steam Locomotive

For Christmas 2020, there will be a field railroad locomotive "CHLOE" presented a festive livery complete with working headlight.

A figure of a Santa Claus as a driver is included. A pair of matching 4-wheel coaches will be available.

Length over the buffers 28cm/11".

LGB Museum Car for 2020

This is a model of a box van painted and lettered as a privately owned car for the

firm Lebkuchen-Schmidt in Nürnberg. The paint and lettering are prototypical for Era IV.

The side doors can be opened and the model has metal wheelsets.

Length over the buffers 30cm/11-13/16".

The model will be available from the märklineum shop in Göppingen which opens in June 2020.

LGB models are available from your usual dealer.





ROUNDHOUSE ENGINEERING

New locos for 2021 and 2022

Roundhouse have announced their next two locomotives.

In 2021, they will be producing a Small England class and will follow up in 2022 with a Darjeeling C Class. No orders will be taken until 1st January in the appropriate year, however the projects are being worked on right now.

The Small England CAD images are early versions. For a start the tender hasn't been drawn up yet! We'll bring you updates on these projects as soon as we have the information.

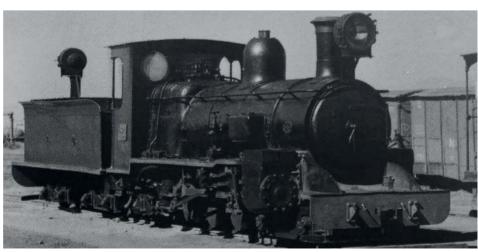
Roundhouse Engineering Co.Ltd.

Units 6-10, Churchill Business Park, Churchill Road, Wheatley, Doncaster, DN1 2TF

www.roundhouse-eng.com







PRODUCT NEWS

RESURGAM ROLLING STOCK

1:19 South African Railways NG-8-D-11 / NG-8-D-13

These 2ft gauge, wooden bodied open wagons were originally built as 'Type O' open wagons for the Otavi Minen und Eisenbahn Gesellschaft (OMEG) in former German South West Africa (now Namibia). During the early part of the First World War, Union of South Africa forces drove the Germans out and seized control of this line. What they inherited was in a badly run-down condition and with few resources available they had to adopt a 'make do and mend' approach to see what could be recovered.

As a result, 39 vehicles were refurbished with new bodywork as NG-8-D-11 or NG-8- D-13; the only difference between them being the journal sizes. Over the following years all of the rebuilt vehicles were fitted with vacuum brakes in line with standard South African Railways practice. In 1926 the Kakamas and Seymor branches were completed in the 'Union' and all of the re-built vehicles were transferred to these lines. After the Second World War the Kakamas and Seymor branches were widened to Cape Gauge and the wagons were transferred to the Avontuur branch where they were in service well into the 1970s.

The new kit is highly detailed, including both internal and external •••••



planking as well as correct pattern leaf spring bogie frames and dummy brake rigging. It also incorporates Resurgam's proven 'hidden slot and tab' construction for easy and accurate construction.

Naturally suited to SAR modellers they would make a particularly good accompaniment to the upcoming Accucraft 'Lawley', with the prototypes having most certainly worked with them on the Kakamas and Seymor Branches.

Compared to other SAR stock, these vehicles have a much shorter wheelbase and at just over 260mm long over the headstocks in model form, would make bogie wagon on any garden line.

Decals are not supplied with the kit, but a suitable decal pack with a wide choice of running numbers will be available separately from Endon Valley Decals. The builder will also have to supply wheels, bearing and couplings

Price

MDF: £40.00 Plywood: £45.00

Resurgam Rolling Stock

www.facebook.com/ ResurgamRollingStock E-mail: davidlwilliams42@btinternet. com

MODEL ENGINEERING COMPANY

16mm scale modern DHT coaches Specification:

- Length 416mm (over buffer beams)
- Width 118mm
- Height 170mm(above rail top)
- Brass construction
- Sprung bogies with gauge adjustable
- Steel wheels for 45/32mm gauges
- Photo-etched brass footplates
- Cast/machined brass brake stand/ wheel and axle boxes
- Working doors and glazed windows

• Milled aluminum DHR style "D" couplers

• LED interior Lighting

Four variants of the



F2 Coaches: £220 per pair Observation Coaches: £P250 per pair Vista Dome Coaches: £240 per pair Set of 4 coaches, 1 each of F1, F2,

Observation, Vista



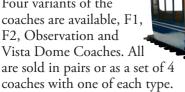
Coaches: GBP410 per set

Shipping by UPS is on actual to anywhere in the UK. These

> Coaches are also available from our re-sellers in USA and Switzerland.

Model Engineering Company

47, Sankharitola Street, Calcutta-700014, India. Www.pline.co.in/





THE TRAIN DEPARTMENT

Project Update - 16mm scale Contractors locomotive "Rishra"

We have new photographs and an updated specification for the model first announced in our June 2019 issue:

- 223mm long
- 155mm tall at chimney
- 100mm wide
- 0.5" bore cylinders with slide valves
- Slip eccentric valve gear with 85% cutoff
- All rods are bronze bushed and axles Oilite Bronze bushed.
- Stainless steel hex hardware used throughout for aesthetics and ease of servicing.
- All castings are brass except the buffer in whitemetal.

• TTD fine gas and steam valve designs

• Goodall concealed under the steam done but accessed through a hole in the top for operation.

Boiler includes a 5mm sightglass along with a 3/4" pressure gauge
Internal throttle for clean backhead

• Deadleg lubricator concealed under the cast coal load

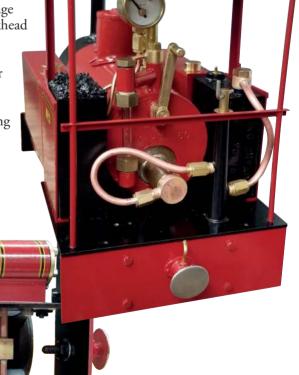
• Custom drilled hole burner for quiet operation.

It will be available in the following liveries:

Deep Bronze green- yellow lining

Blue - red lining

Red - yellow lining Black - red lining



The Train Department www.thetraindepartment.com

SUBSCRIBE TODAY! - SUBSCRIBE TODAY!



To the National Garden Railway Show, the biggest garden railway show in the world - Peterborough Arena. Saturday 4th April 2020.



5 issues of Rail for £5



2 EASY WAYS TO SUBSCRIBE!

ONLINE: www.gardenrail.co.uk

Click 'subscribe' and enter promo code GDR/MAR20

CALL: 01778 392465 (quote code GDR/MAR20)

ANYTHING NARROW GAUGE

www.anvthingnarrowgauge.co.uk • 01409 255510 / 07711 387621 • anvthingnarrowgauge@googlemail.com Shop: 6 Bank House, Chapel Street, Holsworthy, Devon EX22 6AR (10:00 to 16:00 Tuesday to Saturday)



Peco SM32, G45 & G1 Track

NEW SM32 Buffer stop kit	£5.00*
SM32 SL600 12 x flexi track	£109.50*
SM32 ST605 30" radius curves	£48.94*
SM32 ST607 38" radius curves	£48.94*
SM32 60" rad points L,R,Y	£47.50*
SM32 38" rad points L&R	£46.70*
G-45 SL900 6 x flexible track	£83.00*
G-45 48" radius points L&R	£59.50*

Stockists of Sunset Valley Railroad Pneumatics and The Train Department TTD Upgrade Valves & WeeBee Safety Valves

WANTED

GARDEN RAILWAY LOCOMOTIVES AND COMPLETE COLLECTIONS

WILL PICK UP OR ARRANGE COLLECTION BEST PRICES PAID - SPEAK TO SIMON

QUALITY WOODEN LOCOMOTIVE STORAGE BOXES

- · Fitted with interchangeable locating rail
- · Includes fire retardant protection foam

LOCOMOTIVE SERVICING BOX also available

FREE LIK DELIVERY on all new locos

*PRICES MAY VARY

PLEASE CHECK OUR WEBSITE FOR FULL STOCK AND THE LATEST SECONDHAND LIST

Putting you on the right track











- models made to any scale
- bespoke design and build service
- fully weather proof (not resin)

Brunel Models

334 Wellington Street, Long Eaton, Nottingham NG10 4JJ Call us: 07802 409 757 or Email us: enquiries@brunelmodels.co.uk www.brunelmodels.co.uk



ELLIS CLARK TRAINS

Unit I Toller Court Shortbank Road, Skipton North Yorkshire BD23 2HG



YOUR COLLECTION?

WE HIGHLY VALUE YOUR MODELS

- Full/part collections purchased
- ◆ No need for a list we travel and view/collect
- Everything purchased railways, die-cast & Railwayana
- All gauges and ages, including continental & US
- Upfront payment by cash, bank transfer or cheque
- Vast experience in purchasing large collections
- Friendly and professional service
- Specialised interest in 7mm O gauge

GET IN TOUCH

ellisclarktrains.com

01756 701451 ellis@ellisclarktrains.com



KENT GARDEN RAILWAYS

Check out the extensive listings of "in stock" items and special offers in our online shop



ACCCRAFT

Available from stock



1:19 Talgarth 0-4-0T Black, green or maroon

£1050.00



1:19 Sabrina 0-4-0ST Black, green or maroon £1050.00 Featuring simplified Walschaerts valve gear and slide valve cylinders, gauge adjustable. An ideal starter loco



1:19 'DOLGOCH' Talyllyn 0-4-0T TR green, 'Atlas Foundry' green or Crimson Lake. 32mm or 45mm (not re-gaugeable) LAST FEW £1550.00 Indian Red version now available at £1595.00.



Kerr Stuart 'Wren' 0-4-0t 1:13.7 Scale (7/8^{ths)} in black, blue, green, grey and red £1650.00



E19-1Y Baguley Drewery 0-6-0 Two rail electric - red, black, blue, or yellow Diesel £350.00 Powered chassis £250.00



R19-26 Isle of Man Pairs style Half Brake £175.00



R19-17 Isle of Man Pairs Composite – still available £150.00



R19-10 IOM 4 wheel coach Maroon and cream £90.00 R19-10G IOM 4 wheel coach Green and cream £90.00



W&L Guards Van - W&L 1 or 2, data light grey or data dark grey £75.00

R19-24 IoM 'E' Van - Maroon and Cream or Green and cream £90.00



R19-19 – L&B 3rd Class coach in Southern Green £150.00 R19-20 – L&B 3rd Class Centre Observation SR Green £150.00 R19-21 - L&B Composite in Southern Green £150.00

SR Howard Van £100.00 SR brown, 4 numbers or L&B grey data only

Pre order items



1:32 SCALE ADAMS RADIAL TANK 4-4-2T

The model is 1:32 scale for 45mm gauge track, gas-fired with a single flue boiler. The East Kent Railway version is only available from Kent Garden Railways. The anticipated UK RRP will be £1950.00 or £1995.00 for the RTR version (depending on livery), £1795.00 or £1850.00 in kit form.



1:19 'TALYLLYN' TR 0-4-2ST To be available in TR Green, Indian Red or Black and either 32mm OR

45mm gauge. £1650 with an anticipated delivery in early 2020.



Isle of Man G Van, with or without vents (portholes). Light grey with various numbers or data only £80.00



1:19 Large Quarry Hunslet
To be available in Red, Black,
Penrhyn lined black and blue.
Anticipated delivery Q3 2020 and
price £1595.00



1:19 'LAWLEY' Beira & SAR Falcon NG6 4-4-0

The museum quality model will be internally gas fired and is gauge adjustable for either 32mm ('0' gauge) or 45mm ('1' gauge) – all the parts for this are supplied with the model. Liveries planned are Beira Railway Green, SAR green or SAR black. Estimated price £2950.00 with delivery in 2020.



1:20.3 'KATHLEEN' & 'LADY EDITH' Cavan & Leitrim 4-4-0T The model is internally gas fired and has piston valve cylinders. The estimated price is £1950.00 with delivery in 2020



22061 RhB Class Ge 6/6 II Electric Locomotive with mfx/DCC Sound £1318.00



23530 RhB G 4/5 Steam Locomotive



31354 Saxon State Railroad Passenger



30323 Saxon State Railways baggage car £219.00



33521 RhB type As parlor car, 1161 -£333.00





37230 DR BR95 Steam Loco £725.00



37440 DB BR103 Electric £480.



37582 DR BR131 Diesel £411.00



In stock items
Bulldog – 16mm
battery loco with
radio Control
£634.00



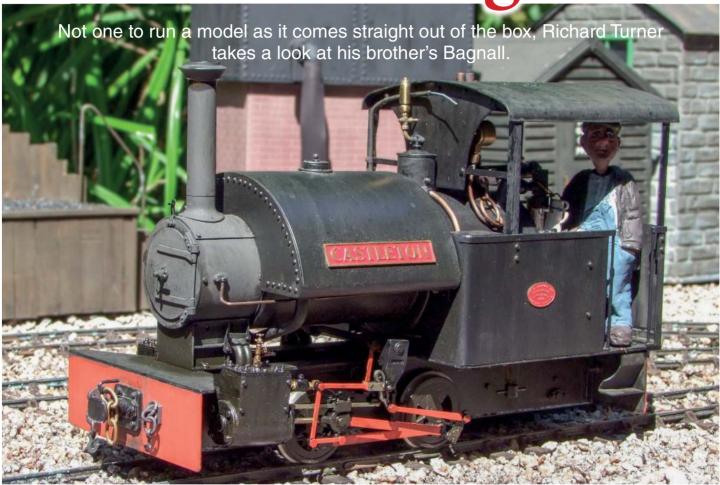


David Lloyd George - live steam 0-4-4-0 double Fairlie - 32mm Crimson Lake - radio controlled £4100.00

Kent Garden Railways, 66 High Street, St Mary Cray, Orpington, Kent BR5 3NH Telephone 01689 891668

Shop open Tuesday to Saturday 09:00 to 17:00

Personalising an Accucraft Bagnall



y brother, Dave, who now models in 7/8" scale with an .Accucraft Quarry Hunslet among other things, recently acquired an Accucraft 7/8" Bagnall locomotive, used but 'as new'. My job was to install radio control and personalise the loco to his requirements: specifically, make it represent a loco in workaday condition.

At this point I had better own up to "form" in the de-beautification of pristine locos, having committed Grievous Bodily Harm on Dave's Hunslet (GardenRail 255), as well as his Regner 'Chaloner' (GardenRail 264). These work on the fictitious Derbyshire Peakstone Quarry's railway. Set in the early 1950s, it represents a 2ft gauge line, transporting quarried limestone for transshipment to the BR(LM) Hope Valley line in North Derbyshire.

The latest victim under attack, then, was a beautiful pea green, er, Bagnall. In addition to the installation of radio control to both regulator and reverser, as well as repainting in black and weathering, Dave's requirements included attention to couplings, fitting name and works plates plus a number of cosmetic additions.

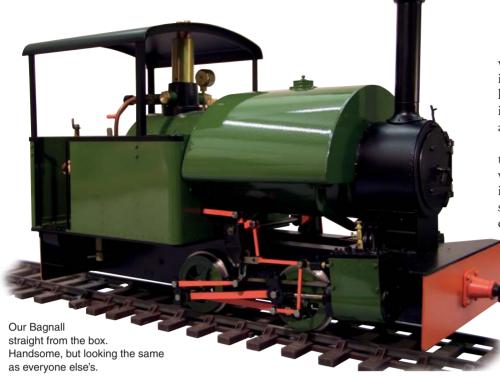
Before starting any work, we decided to steam the loco to check that it ran properly. This would also enable us to assess the efficacy of the already fitted Summerlands Chuffer (good) and the level of noise from the burner, which had been disappointingly loud on the Hunslet as bought (much quieter).

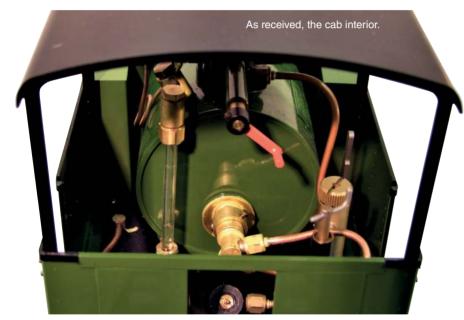
To business. The first item on the agenda was the radio control, using two metal-geared micro servos, as used on the Hunslet, and a Deltang Rx102-1 receiver, with extended aerial, from

Micron radio control. They would be powered by a pack of four AAA NiMH cells from Strikalite, and operated by the Spektrum DX5e transmitter already in use with the Hunslet. The brief was to make the radio gear as inconspicuous as possible.

I started with the regulator, copying the set-up from the Hunslet, with a dummy coal bunker housing the servo and the battery pack. The switch was fitted to the already provided mounting point in the footplate, beneath the front end of the cab side. This latter had to have the lower part of the enclosed section inside the front of it cut away to clear the switch and allow the cables to emerge.

Moving to the reverser, I found that the manual control, which on this loco operates the Walschaert's valve gear, was much stiffer than the Hunslet's reversing







valve and, sure enough, a lash-up installation showed that the micro servo had too little power. It would operate it if the loco was moved or the lever given a bit of manual assistance.

Not a lot of use then, you might think, but Dave, as well as being a wheelchair user following a spinal injury, also has limited use of his hands, so the servo assistance might make the difference between his being able to operate the reverser or not.

The final item was the receiver, and both to hide it and shield it from heat radiation from the boiler. It was housed inside the the enclosed section at the front of the right-hand cab side. To provide visual access to the receiver, necessary when binding it to the transmitter, a hole

was cut in the top, with a removable cover. The lower part of the enclosed section inside the front of the righthand cab side also had to be cut away, to allow access for the wiring. A hole was drilled near the top of the rear face of the enclosed section for the extended aerial to exit.

With work on the radio installation completed, I could now turn to the cosmetics, starting with the spectacle plate found on preserved prototype example "Sir Tom". This was cut from 24g brass sheet and fixed to the forward cab roof support angle with 12BA hex head screws.

Further study of "Sir Tom" revealed that the saddle tank, at first glance appearing to be fully welded, had in fact riveted-on end plates. Are they dummies?

A search through my accumulated remnants from previous jobs yielded enough rivets left over from the construction of the Hunslet's cab, to fit them to the front of the tank. Since Dave had paid for these, I felt dutybound to use them!

A drilling guide was made from a piece of scrap metal, clamped to the tank front and slightly undersize holes drilled for the rivets. The holes were carefully opened out until the rivets could be tapped into them with a light hammer; they were retained by cyanoacrylate (Superglue) applied to their shanks, inside the tank.

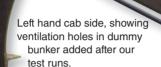
Time now to tackle the change of livery, for which the boiler would have

Our original reverser servo lash-up for testing.

CONSTRUCTION

to come off. I had already removed the pressure gauge and safety valve; now I removed the chuff pipe to gain access to the steam pipe connection inside the smokebox.

I next removed the lubricator, gas valve, burner and all associated pipework and withdrew the steam pipe. This was followed by the sight glass blow-down pipe but, haunted by



nightmare visions of misaligned fittings and broken glass, I decided that the sight glass assembly itself could remain in situ.

Removing the single screw holding the boiler to the footplate allowed it to be lifted clear. The saddle tank could

> then be slid forward and removed. With its various orifices and exposed screw threads, not to mention the sight glass(!) masked off, the boiler was now sprayed matt black (or so it said on the aerosol - actually, and fortunately, it came out semi-matt), then the cab sides and back were similarly treated.

Turning my attention to the chassis, the first item being the change of buffer/couplers. Those provided with the loco are exquisite replicas of the type on which the coupling link emerges from a slot in the buffer head but sadly, these were incompatible with the 'chain over buffer' type we use on Dave's line.

Cab sides, showing the original modifications.

The bits box yielded a suitable pair of these, although adaptor plates had to be made to convert them to the four-bolt mounting arrangement of the originals, allowing the original set-screws to be re-used (this was essential, as the rear of the gas tank is very close to the rear buffer beam).

From the parcel of accessories that Dave had sourced from Model Earth, I unearthed the safety chains that he had decided would enhance the rather bland buffer beams. These were made up and dunked in Metal Black, then mounting holes were drilled in the beams, level with the coupler centreline and 50mm apart, outside the underframe, to avoid the gas tank.

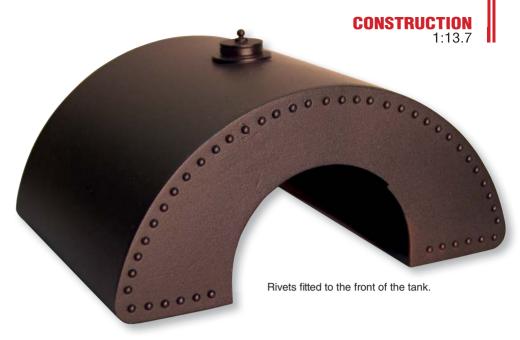
Next, the underframe and running gear were degreased and the still green wheels and cylinder cladding brush painted. To save having to weather them later, I concocted a 'dirty black' for the wheels by adding brown to Humbrol matt black enamel. The chimney, smokebox and door were now coated with a mixture of matt black and a small amount of grey.

The Model Earth lucky bag next yielded a dummy sand-box, designed to disguise the very prominent water filling plug. This was built up with a short length of copper pipe each side, bent to lightly grip the boiler sides. The assembly was then primed and sprayed matt black. While I was at it, I also cleaned up and painted the oil can and



Right hand cab side, showing extra ventilation hole. tea can ("mashing can" in Derbyshire argot), from the same source.

It was now time to start reassembly. The saddle tank was threaded over the boiler and held back against the firebox by elastic bands, then the main steam pipe was inserted into the fire tube and retained by the burner. The boiler assembly was offered up to the smokebox and the steam pipe union nut engaged with the union, but not fully tightened. The single screw under the firebox which retains the boiler was now fitted but not tightened, followed by the pipes associated with the gas system and lubricator. Once these, plus the sight glass blowdown, had been loosely connected up, the boiler



screw was tightened, followed by the pipework union nuts, not forgetting the steam pipe union in the smokebox.

Next came the cab sides, installing and checking the regulator and reverser servos and linkages as I went along, and locating the receiver in the pocket at the front of the right-hand one, threading the aerial through the hole I had made. Diligent care was taken not to trap any cables as I tightened the screws holding the cab sides in place.

The pressure gauge piping was tweaked to bring the gauge into a more authentic position and the gauge re-fitted, facing rearward.

This was followed by the safety valve and its cosmetic cover.

After a careful check round the cab interior, the cab backplate was fitted. The home-made spectacle plate, to which I had fitted the dummy whistle, again from Model Earth, was fitted to the cab roof, which was then re-fitted to the loco.

The extended aerial was now threaded through a length of close-fitting copper tubing, such that the aerial proper was exposed beyond the end of the tube. The tube was then shaped to follow the

Top Left: The batteries and original position of regulator servo.

Left: The same view of the Hunslet batteries and regulator servo.

> Right: Receiver fitted inside the right-hand cabside 'pocket'. Note aerial passing through hole in rear.

adjacent cab roof support and attached by clips in two places, so that the aerial proper was clear of any metalwork and at the same time in a reasonably protected position.

I now fitted the name plates and works-plates, from Narrow Planet, using bathroom sealant. The name, CASTLETON, is that of one of the principal towns in Derbyshire's Hope Valley, near the site of Dave's fictitious limestone quarry, and, in the era modelled, several real ones. A final bit of weathering with my Humbrol dirty black concoction completed the appearance that Dave was after (I hope!).

Time now for a test run on Dave's layout. Everything worked fine until, about ten minutes into the run, the regulator control failed to respond. Luckily the reverser did and the loco was stopped by pulling it into mid-gear. Why had the regulator failed?

As soon as I touched the cab side in which the servo was housed, I knew the answer: it was too hot to bear one's hand on it! What had worked on the Hunslet, with its dummy firebox shielding the servo from heat radiation, failed on the Bagnall with its huge, unlagged firebox.

What to do about it? Any other location low in the cab would obstruct



CONSTRUCTION





the only space available for a driver figure, or be equally exposed to heat.

Dave's ability to 'think outside the box' came to the fore. "How about putting the servo under the cab roof?" he said, "It might be cool enough there". I was somewhat incredulous at first; we were, after all, trying to keep the r/c gear hidden. The cab roof is, however, a deep semi-ellipse in section and a spare servo, temporarily stuck in place with Blu-Tac, was indeed invisible from normal viewing angles.

Although the receiver had not failed during the short test run, we doubted that it would survive a longer run on

a hotter day. Experience with those in other locos had shown that they tend to stop working at about 40°C ambient temperature, easily reached inside a black loco standing in the sun. The good news is that, unlike our cooked servo, they usually recover after cooling down.

We decided to try to provide as much ventilation as possible for the radio gear. A row of holes was drilled near the top of the inner side of the dummy bunker, which would now house just the batteries, while the right-hand cab side had a large square hole added, near the top of the enclosure housing the receiver. To allow cool air to be drawn over the receiver by convection, another hole, as big as possible, was cut in the footplate beneath the front of the righthand cabside.

Left: Receiver aerial fully installed.

Above: The larger regulator servo installed in cab roof.

repositioned regulator servo, we squeezed one in on the reverser as well; this one actually operated the lever!

Installing the regulator servo was straightforward, and as soon as I had finished the modifications, we tested the loco again.

The July day was one of the hottest of the year, with bright sunshine and a temperature in the high 20°C in the shade, but the radio and servos survived several 'full gas tank' runs.

Failure of the receiver of battery diesel 'Ajax', which had been left standing in the yard in full sun whilst we were testing the Bagnall, convinced us that the Bagnall's problem can now be considered to be cured. Fortunately, the receiver on 'Ajax' recovered after cooling

Garden Rail Resource

Accucraft (UK) Ltd.

Unit 4 Long Meadow Industrial Estate, Pontrilas, Herefordshire, HR2 0UA

www.accucraft.uk.com

Model Earth Design

58 Greville Road, Warwick, Warwickshire CV34 5PI www.modelearth.co.uk

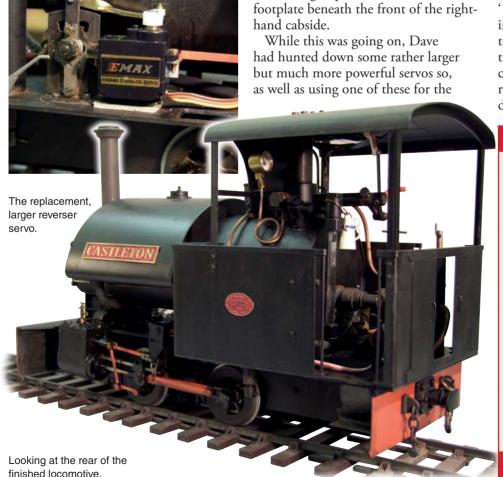
Strikalite

3 Laurel Drive, Rugeley Road, Burntwood, Staffordshire, WS7 9BL www.strikalite.co.uk

Summerlands Chuffers

www.summerlands-chuffer.co.uk

Please mention Garden Rail when contacting suppliers.



'DAVFNPORT

Live steam 16mm: 1 ft scale 0-4-0 saddle tank locomotive



Roundhouse Eng Co Ltd

Unit 6-10 Churchill Business Park, Churchill Rd, Wheatley, Doncaster, South Yorks, DN1 2TF Tel - (01302) 328035 E-mail - mail@roundhouse-eng.com

www.roundhouse-eng.com



Internal gas firing using our 'FG' type burner

Outside framed 0-4-0 chassis with Roundhouse Internal Walschaerts valve

Exhaust enhancer

Water top-up system and water gauge

Controls fitted as standard are :- steam regulator, safety valve, pressure gauge, displacement lubricator, gas regulator and reversing gear

Glazed cab spectacles

Full radio control is available for both regulator and reversing valve gear using 2.4GHz R/C

Gauge adjustable between 32mm and

Optional insulated wheels available

Available with a choice of matt black or silver smokebox, matt black or red oxide roof and bodywork in any standard Roundhouse





Specialist supplier of quality laser cut kits for 16mm garden railways

Quarry Rolling Stock







Quick and easy to assemble, these are complete kits with prices from £8









Layout your trackwork quickly and efficiently with this handy set of reversible curve inserts. Available in 32mm and 45mm gauge

48", 60" and 72" radius & more.

Ffestiniog Railway Quarrymen's Coaches

Type 2b, 2a, 1b and 1a. These are complete kits, True to scale with the correct underframes. SM32 guage only.



www.woodvalleyworks.co.uk Tel: 01270 876882 E-Mail: sales@woodvalleyworks.co.uk

Kits are complete with all parts 15 Dart Close needed to build them, except glue, paint, tools etc.

BOLE LASER CRAFT

Web: www.bolelasercraft.com

Phone: 07900 995164

SM32/45 Locomotive Kits

A range of laser cut and 3D printed sixteen millimetre scale locomotive kits. All our kits feature pre-assembled chassis so you can be confident that your model will run well.

Greenhat REV (32mm gauge) £90 Ruston & Hornsby 20DL (32mm gauge) £95 Ruston 44HP (32 & 45mm gauge) £120 Talyllyn Midlander (32 & 45mm gauge) £130

We can also supply these locomotives "Ready To Run". Please telephone or see website for details





Looking for the perfect match paint for your locomotive or wagon? We can quarantee we can do this, at a cost effective rate.



Call us now on 01745 344457

Unit 8-9 Parc Fforddlas, Fforddlas, Rhyl LL18 2QD info@auto-colours.co.uk • www.auto-colours.co.uk

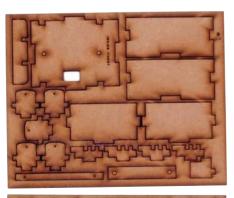
Keen, lean and very,



Mark Thatcher builds and details a 16mm 'Greenbat' loco from Bole Laser Craft













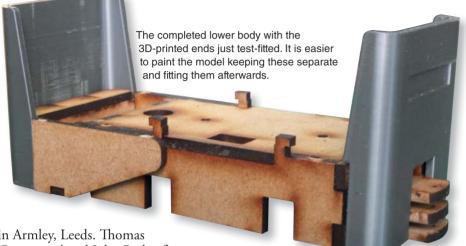
Then I spied this little model from Bole Laser Craft I naively thought that 'Greenbat' was their own description. After all, the model is green and battery powered, so it was a reasonable, if erroneous, conclusion to jump to.

I should have known this was an error on my part, as in the 1990s I used to live within a stone's throw of the Peak District and did actually stumble across the Steeple Grange Railway during one of my many motorcycle excursions to that area. The Steeple Grange Railway is located near Wirksworth in Derbyshire, and it is here that the prototype 'Greenbat' resides.

'Greenbat' was the trading name of the Greenwood & Batley Company

This photo call of the kit of bits shows that you will receive a complete kit with nothing more to add, unless you want to add rivet detail or model more detailed aspects of the prototype like the vacuum hoses or gearbox.





in Armley, Leeds. Thomas Greenwood and John Batley first set up their business in 1856. The company specialised in electric and battery-powered locomotives for use predominantly in mines, or other environments that maybe were hazardous, or where the fumes from a diesel or steam locomotive would not be practical.

Greenwood & Batley's first successful venture into locomotive building was in July 1927, when five 4hp (3.0kW) battery-electric narrow gauge locomotives were completed for Edmund Nuttall's Mersey Tunnel contract. These locomotives proved very reliable and a total of 31 G&B batterypowered locos were used on the Mersey Tunnel construction which commenced on the 3rd of April 1928. The name 'Greenbat' seems to be a generic term which embraced many varying designs of these locos over the years. The one modelled here entered service in 1961.

This model has been designed by Harry Billmore and is a faithful representation of the real thing. It is not super-detailed, but I could see looking at pictures of the actual loco that it would be a fairly easy task to add rivets and bolt heads where applicable, build the small gearbox and lever and

to add vacuum pipes, plus a front light. The driver's seat is included, as are the rather nice 3D-printed name plates and axle boxes. I also noticed that the axle boxes were, at some point in their life, highlighted in yellow on the prototype.

The body is largely made out of either 3mm MDF or plywood which has been laser cut to a good standard. Parts need easing out of the frets using a sharp knife to cut through the pips that retain them. Two 3D-printed cab ends and even the coupling hooks and three-link

chains are included. After I had started the build. Steve at Bole Laser Craft sent me replacement cab ends as they have just invested in a new 3D-printer and the results from it are better, although to be honest I thought the originals as supplied were very good anyway. But of course I used the improved ones in this build.

FOUR WHEEL DRIVE

The stand-out moment for me was when I took a look at the ready to run (RTR) motorised chassis powered by a 12V micro-motor. I have spent many hours fettling chassis kits with a variety of success and plenty of failures, so for a bodgeller like me to see this RTR chassis was a great relief.

The chassis has a tiny motor and is really well assembled around high impact plastic frames and buffer beams. All the wiring is done so all you need to do is to clip a 9V battery onto the battery terminal, throw the switch, and off she trundles in either direction.

Both axles are driven by Delrin



The location of the battery box. The prototype had a step between this and the front end of the loco. This will be modelled later.



chains running from the central motor drive, so you get a four wheel drive model which will improve traction and performance for sure. The instructions explained that with a 9V battery attached the loco should achieve a scale fixed speed of 8mph. When I tried this I felt that it was a bit too fast, but it is an easy job to get a twin AA battery box with a similar connector if you want to slow the model down.

I know from previous use of MDF that it takes paint well, but also know that plywood does not, so a quick blow over of my favoured U-POL adhesion promoter was applied to all the wooden and MDF components whilst they were still in their frets.

Once dry, I started with the battery box. This has four overlays to provide the outer edge detail to this part, as per the prototype. The battery cover will need to be painted before you add the sloping tops

Here you can see the main test assembly of 'Greenbat' prior to painting.

hide the main switch. though. I suspected these may be hinged

on the real thing.

The scratch built removable gear box cover and control unit, whilst not strictly prototypical, does

I found it a tough job to separate the parts from the frets as the securing tabs were far thicker than on Bole's Ddaullt station kit seen in the January issue of Garden Rail. After snapping the third scalpel blade I resorted to a Stanley knife for this task.

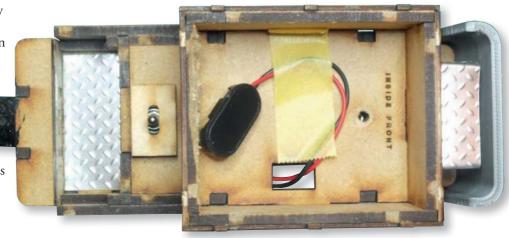
I glued the wooden and MDF parts with some really cheap craft PVA glue I found in our village shop. I ran out of glue for another project and just grabbed this as a stop gap. It is utterly brilliant; the best PVA I have used in fact! The brand is Craft Planet and it cost a whole £2 for 240ml (why not

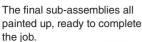
250ml I don't know) of the stuff. Also the nozzle dispenser allows just the right amount of glue to exit the bottle and it does not block up either. I went back to the shop later on and cleared their shelves of this amazing glue.

THE AVERAGE MODELLER

The body assembly is made up of what I would describe as an 'over-chassis' with solebars and buffer beams that sit over the running chassis. The two 3D-printed ends then fit on each end of this assembly. A little light filling and filing on the corners of the body helped hide any joins from the interlocking components, but really was not that necessary.

Finally the completed body locates over the running chassis to finish things off. I noticed that in real life 'Greenbat'























once had the coupling areas picked out in black, and it was far easier to achieve this by painting the separate components that made up this assembly prior to building it. I did decide to build the battery box and lower body, keeping them separate until the final assembly stage, just test-checking the fit of one to the other as I went along. One little warning: when you fit the RTR chassis to the body, make sure the wires from the motor and those to the battery terminals are looped through their securing hooks on the chassis otherwise you risk trapping them.

I must stress that this kit is not difficult for the "average modeller" to build. I have messed around with toy trains for most of my life in some form or other, but have yet to define who that average modeller is, and really wonder if they do exist. I mean even good ol' David Attenborough has never discovered the lesser-spotted average modeller.

NO WONKY NAME PLATES

With most of the assembly done it was time to turn my attention to creating some of the smaller details that were not included in the kit. A small piece of material was added to the round driver's seat to offer them a little more padded comfort, and the gearbox and front light assemblies were fashioned out of offcuts of Plastikard. Vacuum brake hoses were made by winding thin wire around slightly thicker flexible hose and adding a small nozzle and lever.

The rear of the model also had brake detail added. I scratch-built the small gearbox (which hides the ON/OFF switch) from Plastikard and added various fittings I had to hand. I also noticed from reference photographs

The faux gearbox was added which is a push fit to hide the operating switch.





The green can as per the prototype was a bit of brass tube and a cap turned down to fit on my

that latterly, there seemed to be a small engineer's platform between the front end of the loco and the battery box quickly made from scale tread plate over a wooden former. This made a nice contrast between the shiny metal and the rest of the predominantly green

Next, the various bolt heads and rivets were modelled using scale rivets from Cambrian Model Rail. I did also add extra vent detail to the gear box housing but this was not present on the prototype.

The model was finished in Halfords Vauxhall Pine Green.

The final job was to paint the rather nice included 3D-printed name plates. The background should be black, the raised letters red, and the two bolts securing the plates to the body are silver. However I tried to replicate this, I could not get red over black to work, so mine are brass over red. Sometimes life is just too short. Setting these into the body ends is made very easy as there are recesses provided in the ends for these to drop into avoiding ugly wonky plates.

CAPTIVE NUTS

Final assembly was simply to attach the battery box to the RTR chassis. When you build the battery box, the base is thoughtfully labelled to orientate the part. You will need to countersink the two holes for the screws used at this stage fit flush to the bottom of the box. These push through the pre-laser cut



The vacuum hose and directional light was added to the front.



holes in the floor and screw into two captive nuts in the RTR chassis, creating a solid and accurate fit between these two components.

As for as my own battery power, well I kept my options open. I chose to use three 1.5V AA batteries giving me 4.5 volts to run on my very small 16mm demonstration layout 'High Force' fitted in a battery box with the same clip-on PP2 connector. If I want more speed, it is an easy job to swap this battery box out for a 9 volt battery if I desired. The box was a tight fit into the battery compartment and just needed the inside of filing out by 1mm at one end.

This kit from Bole Laser Craft was a pleasure to assemble, and if you only wanted to build the kit without any of my suggested embellishments, you could have this up and running in an evening or two.

Out of the box it is very good indeed with no ill-fitting parts and excellent instructions with plenty of exploded diagrams and pictures to guide you accurately though the build process. If like me, you prefer to add a little more detail, this can be easily achieved and results in a pretty accurate representation of the real thing.

Either way, you will end up with a reliable runner and won't need to be fiddling around with your soldering iron and ammeter to get the thing to move, for an "average modeller" like me that is a real benefit.

Of course some "above average" modellers, may well just buy the RTR chassis and choose to use this as the basis for a scratch-building project of their own.

Thanks to Tim Jeffcoat, the society secretary at the Steeple Grange Light Railway for providing some

Top: Greenbat on the line at the Steeple Grange Light Railway. (Photo: John Morrissey)

Above: GB 6061 works photo is great reference shot. (Photo: Adrian Booth)

great reference pictures and also to John Morrissey and Adrian Booth for allowing me to reproduce their photographs. If you would like to delve further into Greenwood & Batley's history, Adrian has written a fascinating book: Greenwood & Batley Locomotives *1927-1980.* ■

Garden Rail Resource

Bole Laser Craft

Yew Tree House, South Street, Bole, Retford, Nottinghamshire, DN22 9EJ www.bolelasercraft.com Greenbat 16mm battery powered BEV loco in kit form - £90 Greenbat 16mm battery powered BEV ready assembled - £140 Ready to run chassis only - £40

Cambrian Model Rail Limited

PO Box 85, Greenhithe, Kent, DA10 9DN www.cambrianmodelrail.co.uk Various louvres, rivets and bolt head details

Steeple Grange Railway

Wirksworth, Derbyshire, DE4 4GE. www.steeplegrange.co.uk

Please mention Garden Rail when contacting suppliers.



G Scale New Items 2020

Starter Sets



PK37154 Circus Roncalli Battery RC Starter Set

Locomotives



PK37242 DB BR050 Steam Locomotive IV PK37243 DCC-Sound Version



PK37429 Flixtrain BR181 Taurus Electric Locomotive VI



PK37436 DB E94 Crocodile Electric Locomotive III



PK37441 DB BR103 Electric Locomotive IV



PK37510 DB BR218 Diesel Locomotive IV



PK37568 DR BR110 Diesel Locomotive IV



PK37591 DR B106 Diesel Locomotive IV PR37591 DCC-Sound Version



PK38208 AT&SF Mini Mogul Steam Locomotive 723



PK99720 2020 G New Items Leaflet FREE PK99700 2020 G Scale Catalogue £3.95

Coaches



PK37662 DB BPMZ 2nd Express Coach IV



PK37663 DB BPMZ 1st Express Coach IV



PK37664 Flixtrain Passenger Coach VI



PK37680 DR Reko Bage 3 Axle Coach IV



PK37681 DR Reko Bagtre 3 Axle Coach IV



PK37682 DR Reko Baage Coach IV



PK37682 DR Reko 3 Axle Baggage Coach



PK38650 NYC Wooden Coach 286



PK38651 NYC Wooden Coach 287



PK38652 NYC Wooden Combine 215

Wagons



PK37745 DR EAOS Gondola IV



PK37747 DB Bogie Flat Wagon w/20' Container IV



PK37752 DR Bogie Flat Wagon w/2 x20' **Deutrans Container Load IV**



PK37764 DR Res-X Bogie Stake Wagon IV



PK37795 DR Cement Silo Wagon IV



PK37926 DR 2nd Class Coach III



PK37957 DB Open Wagon III



PK37958 DR Flat Wagon IV



PK37959 DR Club Cola Box Van IV



PK38767 Texaco Bogie Tank Wagon 1971



PK38768 Christmas Flat Wagon with Pick-Up Load



PK38769 UP Bogie Flat Wagon w/Chevy Nomad Load



PK38770 PRR Bogie Stake Wagon Set (2)



PK38771 D&RGW Bogie Stake Wagon Set (2)



PK38900 CSX Rib Sided Hopper w/Coal Load



PK38902 Vintage Warbirds P51 Hopper Wagon



PK38904 Christmas Box Wagon 2020



PK38906 PRR Wooden Caboose 461221



PK38907 D&RGW Wooden Caboose 0501



PK38910 Vintage Warbirds P-38 Hopper Wagon





LONDON'S LEADING MODEL RAILWAY SHOW

DISCOVER

√ 40 LAYOUTS CHOSEN BY THE MRC IN MAJOR SCALES, GAUGES AND ERAS √ EXPERT DEMONSTRATIONS

SHOP

√100+ TRADERS / SOCIETIES √STOCK UP ON ESSENTIALS FOR YOUR HOBBY √LOOK OUT FOR COLLECTABLES, PRE-OWNED ITEMS, TOOLS, BOOKS & MORE!



Adult: £12.00 | Children(5+): £6.50

GARDEN Rail

SUBSCRIBERS £11.00

Kindly sponsored by:





SAT 10AM - 5PM & SUNDAY 10AM - 4:30PM | ADVANCED TICKET HOLDERS 9:30AM EARLY ENTRY FREE PARKING OR SHUTTLE BUS | ALEXANDRA PALACE, N22 7AY

TO BOOK - WWW.MODEL-RAILWAY-SHOWS.CO.UK | 0844 581 4972



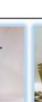


We are a small company that specialises in 3D printed kits and laser cut parts in 16mm scale, we design & print locomotives in 32mm or 45mm gauge together with a range of road vehicles & other scale models. Using Computer Aided Design (CAD) programs all kits are designed

and printed in-house, with affordable prices, the model locomotive kits come complete with the necessary 3D printed parts, along with wheels, gears & motor. As well as the locomotive kits, we also offer a custom chassis building service (inside or outside frames, steam or diesel). All we require is drawings of the chassis you would like us to

enquiries@pdf-models.com • 07875 264 075

7/8ths 18" Baldrig





Manufacturers of 16mm & 7/8ths Scale Etched Brass Kits

We currently supply five 16mm scale and six 7/8ths scale locomotive body kits to suit Accucraft & Roundhouse chassis. There are also six rolling stock kits in 7/8ths scale to compliment the locomotives.

Body kits feature half etched lines with major parts supplied pre-folded and roofs rolled for ease of construction.

All kits are supplied with the required fasteners for kit construction, a mix of lost wax brass and white metal castings and laser cut components where required.





Available From Mikes Models 3-5 Brockwell Rd, Birmingham, B44 9PF Phone: 0121 360 4521

Email: info@mikes-models.co.uk www.mikes-models.co.uk



STOCKISTS OF A WIDE RANGE OF BOOKS FOR MODELLERS AND MODEL ENGINEERS



Download our latest catalogue online www.teepublishing.co.uk

TOPIC OF THE MONTH **LATHES AND** OTHER MACHINE TOOLS



IMPROVEMENTS & ACCESSORIES FOR YOUR LATHE by J.A. Radford £13.95 +£2.88 p&p

LATHE DEVICES by Duplex £6.95 +£2.88 p&p



The Model

Engineer's

Lathe Manual LATHEWORK. A COMPLETE COURSE by Harold Hall £7.95 +£2.20 p&p

METAL TURNING ON THE LATHE by David A Clarke £14.99 +£3.32 p&p



THE COMPACT LATHE (NEW EDITION) by Stan Bray £8.95 +£2.20 p&p

THE MODEL ENGINEERS LATHE MANUAL by ET Westbury £13.95 +£2.20 p&p

UNIMAT LATHE PROJECTS by G. Wingrove £10.95 +£2.20 p&p







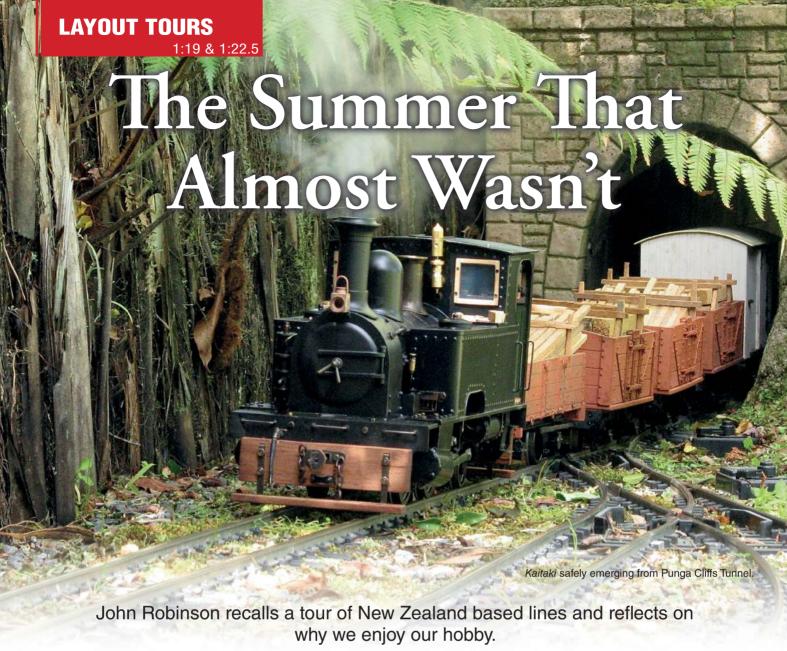
ORDER NOW

W: www.teepublishing.co.uk

T: 01926 614101 info@teepublishing.co.uk Follow us for the latest news









eading out of spring, one always hopes for another of those childhood summers of endless warm calm days, perhaps tinged with the thought that just some rain would be nice so we don't have a drought.

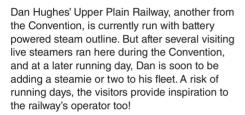
Pleasant long evenings in the garden, a train running to celebrate a day of labour in the garden, maybe shared with a mate or two and glass of something suitable. That is how summer should be and what we expect in New Zealand, Aotearoa, the Land of the Long White Cloud.

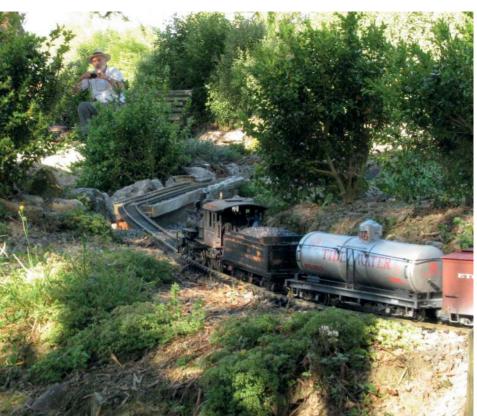
Something went wrong though over the summer of 2014. It was more like the land of the long rain cloud with a summer an Englishman would feel right at home in.

I had hoped, come the end of that summer, I'd be filled with sunny

It's not always the trains that provide inspiration, the wharf scene on Lloyd Dickens Castletown Railway, visited during the 2014 NZ Garden Railway Convention, ticks all the boxes.









Above: Warren Stringer's Moa Pass Railway is nestled under trees is the sort of please you'd love to take photos, sit back drink tea and enjoy cream scones while chatting with fellow garden railway fans; and that is just what we did during the Convention. Warren's clever layout design allows two independent loops or by switching in two short slip roads one long circuit, something to file away among the ideas for a possible extension of our railway.

Left: Brian Russell's railway provided much early inspiration and without those early days spent getting a real feel of an operating garden railway our railway wouldn't be giving the pleasure it now does. Brian is pretty much an "out of the box and run" modeller, and that in no way detracts from the pleasure his railway provides.

inspiration to scribble off some inspired words about the progress on the H&MGR (Hannah & Michelle's Garden Railway) and a good number of suitable photos to illustrate the joy of garden railways in my little corner of the world, but it was not to be. Not that there wasn't some running and a sprinkling of sunny days to enjoy but it was hard work at times.

Instead, I have spent sometime reflecting just what it is that produces

Clearly trains did not run often enough this past summer. I think the resident tunnel spiders on the H&MGR may have come off second best after Kaitaki steamed through, but only just!



LAYOUT TOURS

During a late evening steam up if there was still any of those tunnel spiders in resident they would have been well and truly steamed alive by Ian Webb's visiting Shay.

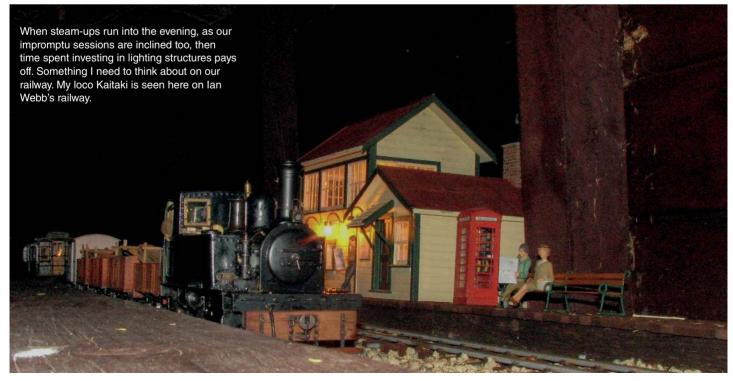
Lee and Christine Collett's Rosebrook Railway used Lee's background as a sheetmetal worker to build a layout that uses sheet metal troughs as a raised trackbed to hold the track and ballast around a mature oak tree. With planting and walling well integrated at first look you'd be hard pressed to tell the railway is running on a raised track bed. It is also a good example just how the use of minimum radius curves doesn't need to detract from the overall look if done well.





the highlights and pleasure, particularly over a summer, in this hobby of garden railways we share.

Years ago as our family embarked on our garden railway journey I started with reading issues of a suitable magazine found in the local model shop and a lot of time browsing the Internet. I formed ideas in isolation and felt I knew the direction a future railway would head. Thankfully one Saturday there were a couple of already committed garden railway chaps in the local shop and I was invited come and visit their railways. Oh did I learn a lot! I quickly ticked off some assumptions as correct and binned others after hours spent watching and driving their trains.



THE MODEL RAIL SHOW FOR LARGER GAUGES

(MIDLANDS GARDEN RAIL SHOW)

0 GAUGE, G SCALE, GAUGE 1, 16MM & MORE...

SATURDAY 14th & SUNDAY 15th MARCH 2020

Open 10am - 4pm Daily

WARWICKSHIRE EVENT CENTRE





PREVIEW OF THE MIDLANDS GARDEN RAIL SHOW 2020

We look forward to welcoming you to the 2020 Midlands Garden Rail Show. Over the years the show has grown to become one of the leading Model Railway events dedicated to Garden Railways.

We are again pleased to be able to present a diverse range of large scale layouts in various gauges. Some layouts new to the show this year include Roche Junction, Mendip Vale and Ballygornal Junction whilst old favourites Stanley Midland and the impressive Gauge One Tinplate display will also be running for your enjoyment.

As you go round the show you will see many specialist suppliers offering a vast array of garden railway products including locomotives, rolling stock, track and accessories. Make sure you try to visit them all to see the full range of products on offer.

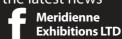
We hope you will enjoy your visit. Make sure to try the mezzanine restaurant for breakfast, lunch or tea - whilst still viewing and enjoying the action!

Tickets are available via our website in advance at discounted prices or from the venue on the day. See back page for more information.

www.midlandsgardenrailshow.co.uk

Follow us for the latest news









SATURDAY 12th & SUNDAY 13th SEPTEMBER 2020

Saturday 10am - 5pm Sunday 10am - 4pm Last admission 1 hour before closing

WARWICKSHIRE EVENT CENTRE

Over 30 layouts on show and over 40 leading manufacturers & specialist suppliers.

www.ngaugeshow.co.uk

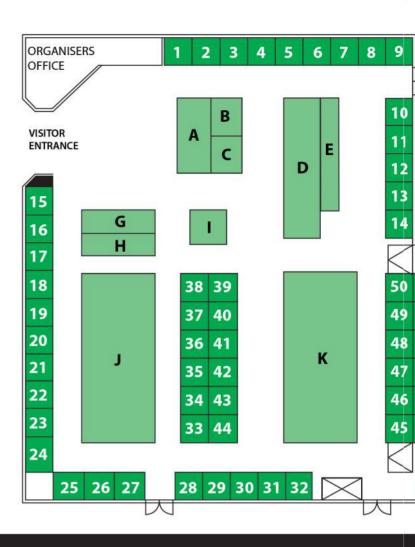


● MeridienneEx

Meridienne Exhibitions LTD

Organised by Meridienne Exhibitions Ltd





SPECIALIST SUPPLIERS

Accucraft UK

Unit 4, Long Meadow Industrial Estate, Pontrilas, Herefordshire, HR2 0UA E: info@accucraft.uk.com W: www.accucraft.uk.com Live steam and electric locomotives and rolling stock.

Stand: 27

Airframed Glass Display Cases

25 Wilmot Drive, Smalley, Ilkeston, Derbyshire, DE7 6EL T: 01332 781795 E: nigel@airframed.co.uk W: www.airframed.co.uk Manufacturer of bespoke glass display cases.

All Components

Upper Owlbury House, Upperowlbury, Montgomery, Powys, SY15 6SZ T: 01588 638678 E: allcomponents@btinternet.com W: www.allcomponents.co.uk Electronic switches, bulbs, scenic, G1 rolling stock.

Stands: 65+66

Anything Narrow Gauge

6 Bank House, Chapel Street, Holsworthy, Devon, EX22 6JAR T: 01409 255510 E: anythingnarrowgauge@googlemail.com

W: www.anythingnarrowgauge.co.uk New and second hand, live steam locomotives.

Stands: 30 - 32

Aster Hobbies

PO Box 5039, Warminster, BA12 2AX T: 01985 851221 E: asteruk@gmail.com www.asterhobbies.co.uk

Stand: 42

Barrett Steam Models

47a Coronation Road, Pelsall, Walsall, WS4 1RG T: 01922 685889 E: info@barrettsteammodels.co.uk W: www.barrettsteammodels.co.uk

Live steam locomotive kits for gauge 1.

Stands: 37+38

Blackcat Bridges

5 St Lawrence Close, Rowington, CV35 7AG T: 01564 784746 E: chris.blackcatbridges@gmail.com Aluminium bridges and turntables.

Stand: 4

Bole Laser Craft

Yew Tree House, South Street, Bole, Retford, Notts, DN22 9EJ T: 01427 848151 E: info@bolelasercraft.com W: www.bolelasercraft.com Quality laser cut building and rolling stock kits.

Stands: 39+40

Bowande Live Steam UK

POBOX 788, Rickmansworth, WD3 0NT T: 01923 350025 E: bowandelivesteam@gmail.com

Gauge One live steam models.

Brunel Models

334 Wellington Street, Long Eaton, NG10411 T: 07802 409757 E: enquiries@brunelmodels.co.uk W: www.brunelmodels.co.uk Bespoke and easy build weather proof models of buildings & infrastructure.

Stands: 35+36

Chalk Garden Rail

4 Brewhouse Yard, Gravesend Kent, DA12 2EJ T: 01474 351672 E: petercgr@btinternet.com W: www.chalkgardenrail.co.uk Specialists in large scale trains and accessories.

Stands: 28+29

Chuffed 2 Bits

24 Robins Grove, Warwick, CV34 6RF T: 01926 407784 E: sales@chuffed2bits.com W: www.chuffed2bits.com Servicing/repairing of Roundhouse and Accucraft locos plus radio control specialisation.

Stands: 25+26

Coach & Wagon Works

2 Dobles Terrace, Dobles Lane, Holsworthy, Devon, EX22 6HW T: 07538127785 E: coachandwagon@gmil.com W: www.coachandwagonworks.uk Makers of ready to run rolling stock and suppliers of scratch building materials.

Stands: 67+68

FineScaleBrass (UK)

Unit 3 Fulford Business Centre, 35 Hospital Fields Road, York, YO10 4DZ T: 0113 276 1759 E: john@finescalebrass.co.uk W: www.finescalebrass.co.uk O Gauge & Gauge 1 brass R.T.R British outline locomotives, plastic carriage and wagons.

Stand: 43

Garden Railways Specialists

6 Summerleys Road, Princes Risborough, Buckinghamshire, HP27 9DT T: 01844 345158 E: sales@grsuk.com W: www.grsuk.com Railways for the garden.

Stands: 17-22

G S Model Supplies

Unit 4a Love Lane, Burnham-on-Sea, Somerset, TA8 1EY T: 01278 788007 E: info@gssmodelengineers.com W: www.gssmodelengineers.com Suppliers of drawings, castings, fastenings and technical information to assist model engineers.

Stands: 33+34

Hafix Industrial Products

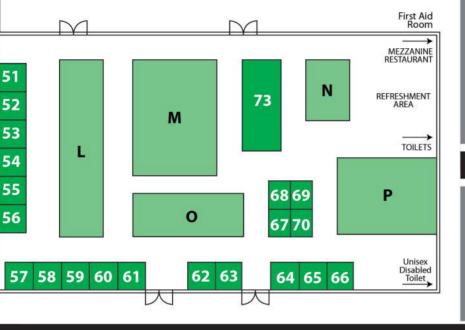
Unit 5, 1000 North Circular Road, London, NW2 7JP T: 0208 9693034 E: sales@hafixs.co.uk W: www.hafixs.co.uk The high-performance glue with a long shelf life.

THE MODEL RAIL SHOW FOR LARGER GAUGES

MIDLANDS GARDEN RAIL SHOW

0 GAUGE, G SCALE, GAUGE 1, 16MM & MORE...

Floor Plan



LAYOUTS

16mm Association Modular Layout	K
Ballygornal Junction	C
Buckinghamshire Garden Railway Society	L
G Scale Society Publicity Layout	1
Gauge One Vintage Tinplate Trains Group	Р
Hambleden Valley Railway	0
Hampton End	D
Lough Motive Power Depot	Α
Mendip Vale	М
Roche Junction	Ν
Stanley Midland - Gauge One Layout	J

CLUBS

Bromsgrove SME	Н
Coventry MES	В
Gauge One Miscellany	Е
National 21/2" Gauge Association	G

IP Engineering

Carousell, Spilsby Road, New Leake, Lincs, PE22 8JT T: 01205 270010 E: sales@ipengineering.co.uk W: www.ipengineering.co.uk Loco's and rolling stock in 16 mm scale.

Stands: 51-53

John Sutton Books and Models 66 Carthorse Lane, Brockhill, Redditch

Worcestershire, B97 6SZ T: 0779 8924575 E: johnsutton3@sky.com W: www.johnsuttonbooksandmodels.co.uk New and second hand books 16mm and G

scale models.

Stands: 10+11

Just the Ticket

Wiltshire SP4 6LF
T: 01980 610058
E: justtheticketeng@googlemail.com
W: www.justtheticketsupplies.co.uk
Traction engines and larger scale steam
locomotives and stock up to and including

15 Hillside Drive, Gomeldon, Sailsbury,

12" to the foot.

Stands: 60 + 61

Loco Boxes

2 Bannold Box Cottages, Long Drove, Waterbeach, Cambridge, CB25 9LP T: 01223 864029 E: mail@loco-boxes.co.uk W: www.loco-boxes.co.uk Locomotive and stock carrying boxes and cases, butane gas & coal supplies, layout

board fabrication.

Stands: 15+16

Malcs Models

2-4 Pelham Street, Ilkeston, Derbyshire, DE7 8AR T: 07786 896807 E: malcolmgrubey@btinternet.com W: www.malcsmodels.co.uk New and second hand G, 16mm, O, and

Stands: 1-3

Mamod

Unit 1A, Summit Crescent Industrial Estate, Summit Crescent, Smethwick, West Midlands, B66 1BT T: 0121 500 6433 E: info@mamod.co.uk W: www.mamod.co.uk Model steam locomotives.

Stand: 12

Model Earth Design 58 Greville Road, Warwick, CV34 5PJ

T: 01926 490171
E: si@modelearth.net
W: www.modelearth.net
Manufacturers and suppliers of narrow
gauge Industrial and Estate rolling stock
and diesel kits in 1:12th and 7/8th scale.

Stands: 13+14

Modeltown

188 Todmorden Road, Sharneyford, Bacup Lancashire, OL13 9UD T: 01706 877390 E: modeltown@hotmail.com W: www.modeltown.co.uk Resin buildings, figures and accessories.

Stands: 62+63

Sandringham Garden Crafts

The Old Barn, Low Farm, Cemetery Road, Hemingfield, Barnsley, S73 0QJ T: 07867124167

E: Sandringham.gc.ltd@outlook.com Manufacture & supply of concrete garden railway buildings & structures.

Stand: 64

S.M.T.F Model Shop

Brookside Garden Centre, London Road North, Poynton, Cheshire SK12 1BY T: 0161 4565126 O & G Model Railway new and secondhand.

Stands: 58+59

The Sparesman

14 Crays Hill, Leabrooks, Alfreton, Derbyshire, DE55 1LN T: 01773 605981 E: tonylegrys@hotmail.co.uk Pre owned garden railway equipment, G Scale.

Stand: 44

Sparklebright

T: 07447 012856 E: richardmaruda@msn.com Sparklebright lens cleaner.

Stand: 5

Steve Currinn Books

Trimadog Road, Porthmadog, LL49 9DY T: 07796 863249 E: stevegwc@blueyonder.co.uk New and second hand railway books.

Stands: 23+24

Tony Green Steam Models

19 Station Road, Thorpe on the Hill Lincoln, LN6 9BS T: 01522 881989

E: sales@tonygreensteammodels.co.uk W: www.tonygreensteammodels.co.uk Live steam models and spares.

Stands: 45-48

Vale of Rheidol Trading

Park Avenue, Aberystwyth, SY23 1PG T: 01970 625819 E: shop@rheidolrailway.co.uk W: www.rheidolrailway.co.uk *Large scale model railway, railway*

Stands: 55+56

themed books and gifts.

BOOK YOUR TICKETS NOW AT DISCOUNTED PRICES

All information correct @ 09.01.20 but subject to change due to circumstances beyond our control.







The Midlands Garden Rail Show - Packed with action!







THE SHOW FOR MODEL ENGINEERS



THURSDAY 15th to SUNDAY 18th OCTOBER 2020

Thursday - Saturday 10am – 5pm Sunday 10am – 4pm Last admission 1 hour before closing

WARWICKSHIRE EVENT CENTRE

Meet the clubs · See the models · Enter your work
Buy from specialist suppliers · Learn from the experts

www.midlandsmodelengineering.co.uk



.

Meridienne Exhibitions LTD

Organised by Meridienne Exhibitions Ltd



GETTING HERE When driving to the Warwickshire Event Centre please use the postcode CV31 1XN. Our venue directional signage will direct you to the visitor car park entrance which is off the Southam Road (A425). Please do not follow SatNav instructions on your approach to the venue as there is no entry for visitors at the Fosse Way entrance, all visitors must enter the site from the Southam Road entrance off the A425.

FREE PARKING Ample free parking for over 2,000 vehicles.



FREE CAR PARKING

BEAT THE QUEUES -GET YOUR TICKETS NOW!

ADMISSION PRICE	ONLINE TICKET*	FULL PRICE TICKET**
Adult	£8.00	£9.00
Senior Citizen	£7.50	£8.50
Child (5-14)	£3.50	£4.50

Children under 5 FREE

when accompanied by a full paying adult/senior

Order 10 or more tickets online to receive 10% discount - enter code GRP10.

- * Tickets are available from our website at discounted prices until midnight Tuesday 10th March 2020.
- ** Full price tickets are available on the day from the ticket office.

Please call SEE Tickets on 0115 896 0154 if you would like to book by phone or have any questions when booking your tickets.

Meridienne Exhibitions cannot process any telephone orders for this exhibition and you **must** call SEE Tickets to book tickets by phone.

If you have any general queries other than to order tickets please call 01926 614101.

Last admission 1 hour before closing.

www.midlandsgardenrailshow.co.uk





Above: Detail this good is inspiring no matter what your preferred flavour of prototype is. Ian Webb's Whits End station after dark.

Just to show it's not all about live steam, how is this for a different approach that works really well. Dean Ellicock's Scraplands Railway could be described in the current vogue term of "minimalist". Something I wouldn't have thought you could describe a railway as in a complementary fashion, and yet Dean has done just that and it works. This was a further railway visited during the Convention.

The Hydrangea Tramway, the second of Lee and Christine Collett's three railways on show at the Convention, could be anywhere in Europe you want it to be. Sitting on the opposite of the driveway from their Rosebrook Railway squeezed between the house and driveway it's a clever use of a space that might otherwise have been filled with just an annual border. Instead there is a small layout with detail to the level of a diorama.

Those chaps are now great mates and our family's railway is the better for those early visits. I continue to read a range of garden railway magazines, looking forward in particular to the third Thursday of the month, hoping Garden Rail reaches my mailbox on time!

Each time I read the postings of a "newbie" on an Internet forum asking advice, full credit to them for asking, but the best advice I could give is find some local operating railways to visit even if it means a hour or two's journey and join a local area group (G Scale Society, 16mm NGM, Gauge 1 Society etc.).

Perhaps the biggest gem of inspiration I got from those early visits was just how much more social garden railways are compared to the small-scale model railways I'd been familiar with. Not that model railway chaps are unsocial, but there is something about sitting out there in the sun, conversation drifting on and off trains with a brew in hand that garden railways have over standing





operating in the confines of even the best model railway room.

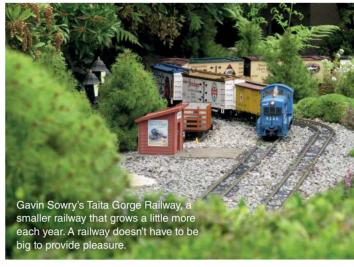
It does distress me a bit that at times that our Wellington Garden Railway Group running days are not always well supported, and I'm sure I'm are not alone in this. It's now not just the fun of seeing lots of different trains running that draws me to attend running days, it's the pleasure of the camaraderie too. Write-ups and photos in a local club newsletter never do a

running day full justice no matter how well they are written.

I think too that with our railways operating in a real growing landscape, rather than a crafted plaster landscape, there is flexibility and also freedom from rivet counting.

Certainly out in the garden there is still plenty of welcome scope to follow and model well a specific prototype, but there is also freedom to just run trains and develop something that looks right





Above: Just a few doors up the road from the Colletts Jim McIntyre has a railway built for running big, modern unit trains. To achieve the length of mainline that is needed to run these American trains Jim, like several of the railways on show at the Convention, is perfecting the use of aluminium bar as rail set into notches cut into wooden sleepers on a slightly raise timber track base. There is some fine tuning still being sorted to perfect the system, obviously not suited to track power, but Jim as is running Aristocraft/ Crest Revolution controlled battery power that is

to the railways owner. It's better to have something running of mixed origins that nothing at all. It must though make it hard for our Editor to provide a mix of articles that will cater to all tastes. For example I have no illusions that my writings appeal to everyone, in fact I'm quite happy if you read something and think "that's not how I'd do it" but from that I do hope thought that a seed is sown and you then get inspired to do it your way. I doubt I've ever really had an original idea; I just built on motivation drawn from other people's ideas.

The Wairarapa Garden Railway Group hosted to 2014 NZ Garden Railway Convention. Our conventions are rather small boutique affairs compared to either those big USA ones or a UK show for that matter. But with 10 railways to visit at the Convention that year I think it was a pretty well catered boutique.

Visiting that number of railways over two days really highlighted just how many different ways there are to have a garden railway. It wasn't just the diversity of trains but the many different ways to build the railway infrastructure that was inspiring. Again, if there is something like this within reasonable travelling distance and you don't go you really do miss out.

So I guess the overriding reflection is that it is the sharing this hobby with others that gives me the best inspiration and pleasure. I'm a relatively introverted person so I've surprised myself in just how inspired I get attending running days and just how much pleasure I feel after spending time in the company of mates with a train or two in steam when we have an impromptu steam up.

There is still a place for quite evenings just myself and a battery powered train circulating to accompany my thoughts, and a time too for running Hannah and Michelle's LGB starter set trains we started with. I hope though next summer will be a proper summer, there will be plenty of running days and lots more steam ups being shared.

As a postscript, having sorted through photos from that summer to illustrate this narrative, it appears there were a few more trains run than I thought. Perhaps it's just I wanted an excuse to share some photos; I hope you don't mind and will find at least some inspiration and pleasure from them.

The last stop on the Convention tour was Jeremy Were's red Rock Railway that is themed to steam era narrow gauge somewhere in the American mid west. His railway is a labour of love with many cubic metres of spoil imported to create rolling hillsides on what was once a flat pasture. Rather than lay track in ballast Jeremy has made his own precast concrete track base. To me it feels like a lot of work, but that's the neat thing about this hobby, there is more than one right way to build and run our railways.





Gradients too steep for your locos? No problem Martin Eady brings on the rack.

The Whiteleaf Light Railway has been described as an attempt to show in an indoor setting what a garden railway looks like. As we've shown in previous issues of Garden Rail, the layout can be reconfigured to suit each exhibition and to keep things interesting for both operators and visitors, we are always looking to add new features.

LGB manufacture a rack rail which fits on to their 45mm gauge track. Both steam and electric outline rack locos are available to operate on it. This is normally an outdoor feature, but we have constructed an indoor 1 in 4 line to demonstrate rack operation which climbs from the 2' height of the rest of Whiteleaf to an elevation of 6'.

There are few venues which can

make available a large enough space to accommodate such an extensive structure along with a layout, but for those that can, the combination offers some interesting operating possibilities. Although it is possible to build a complete circuit, most modellers prefer to have an end to end pattern and that's what we have chosen.

The length of the rack including top and bottom stations is almost 40'. This section can then be attached to the rest of the layout at a convenient point. At the Peterboriough Festival of Railway Modelling in December, the total area covered by the layout was 60' x 12', giving a run of more than 120' on a 'U' shaped configuration.

For through operation, interurban trams run from Town Square to arrive at Bryant's Bottom, where a trailer can be detached and coupled to a rack locomotive. This can then be

Top: Furka Oberalp climbing the rack. All photos by Ben Schlegel.

> Left: Wendelsteinbahn No 4 at Bledlow Ridge, the summit of the

CONSTRUCTION



At the foot of the incline, Town Square station.

Right: Seen at the Festival of Railway Modelling, Peterborough, in December 2019. You can see the rack section rising up at the back of the layout.

propelled up the gradient to Bledlow Ridge. Experience has shown it is more convenient to operate the rack as a separate section, making connections with services to the rest of the layout and avoid the shunting.

Bledlow Ridge station has two platforms so that an intensive service can be run. A resistor is built into the current supply to these roads to slow trains as they approach the terminus. It is essential to prevent overruns at the elevated location so both roads incorporate dead sections at their ends. Using diodes, these sections can only be energised in the downward direction.

Another resistor prevents excessive speed as the train descends. An analogue controller is preset to a suitable speed and operation is through a simple selector switch.

Town Square has crossovers for running round trailers, and sidings for spare stock, including light goods vehicles. A frequent tram service was operated from here to Lacey Green, which has a tram station, turning circle and depot.

An interurban service ran from Town Square to Penn St bypassing Lacey

Green. Penn St has a passing loop and several sidings. As and when required trams could be extended from here over the semi circular viaduct to Bryant's Bottom. In this way a variety of services could be operated to keep our audience entertained and our operators busy.

Normally four control positions were staffed, with analogue operation throughout. In the event of power failure radio controlled battery powered trams were run as a back up.

Whiteleaf is modular, so the same configuration may not appear again for some time. We can vary it to fit the available space, subject to a minimum length of 30′. ■





See the Whiteleaf Light Railway at the following shows:

The London Festival of Railway Modelling

21-22 March 2020 - Alexandra Palace.

Association of Large Scale Railway

8 May - Reading

(Note: The rack railway will only be at Reading)

National Garden Railway Show



10.00am - 5.00pm Saturday 4th April 2020

Peterborough Arena East of England Showground, PE2 6XE

Over 90 Traders

from nuts & bolts to live steam locos

At least 18 layouts including:

Aberwym, Albion Mill, Anglia Roads, Chale, Fen End Pit, Garden Rail, Hadley, Stonybrook, and Swale, Hampton End, Hopfields, Kew Bridge East, Lower Chaldon, Middleforth Light Railway, 16mm Modular, Portmadoc, Rhydypenderyn, Tor Halt, Upcycling Pop-up Railway

Buy National Garden Railway Show tickets online NOW and save pounds! www.nationalgardenrailwayshow.org.uk

FREE parking, Under 18's FREE entry Shuttle Bus from Peterborough BR £5.00









Putting you in ... COntro

www.micronradiocontrol.co.uk sales@micronradiocontrol.co.uk Dept GR, Uplands House Castle Howard Road Malton, YO17 6NJ

Eliminate worry about dirty track, stalls, shorts, and all the frustrations of track power.

Battery power and radio control – the future of model railways

Visit our website or send a A5 Large Letter SAE with 'GR' written on the back

An on-board battery and R/C receiver frees your locos and trains: no more time wasted cleaning track and pickups. Run your layout without track power - no need to insulate turnouts and no messy wiring.

R/C trains can operate alongside track powered locos, either direct control or DCC

Receivers and controllers operate on 2 4GHz using the popular Spektrum DSM2/DSMX protocol. Receivers have a short wire aerial. some are available with extended aerials for use in totally enclosed metal bodied locos.

R/C Receivers

The range of R/C receivers covers all scales and gauges; from N to SM32, Gauge 1 and beyond with motor currents from 0.5A to 6A. The smallest receiver, suitable for N and 009, measures 9x9.6mm. A selection is shown







All Deltang receivers have multiple auxiliary outputs for controlling lights, coupling actuators, sound modules or whatever on-board function your imagination wants to implement

Batteries

On-board batteries can be NiMH or LiPo for best size/capacity ratio. LiPo cells can be charged in the model and frequently topped up when the loco is resting. Most locos do not need the full 12V - 4V or 8V from 1 or 2 LiPo cells is usually sufficient. For space restricted installations, a single LiPo cell can be used with a small booster to give 9V or 12V





Hand-Held Controller

A range of hand-held controllers, from simple, single loco to multi-train units. All are pocket sized and available with forward / reverse on one knob or full-range throttle and separate direction control. See our web site for details. We can build bespoke controllers with knobs, switches, push buttons to match



Sound

Mtroniks or MyLocoSound sound modules can be used to complement your R/C installation. Receiver outputs control motor sound and trigger bell, whistle, horn...

MyLocoSound now with Industrial Light Diesel sounds using 100% recorded sounds.

Installation

Micron provides a complete R/C model rail installation service using Deltang R/C receivers, MyLocoSound modules and supporting components. We can install in most scales/gauges, from N through Gauge 3.

We discuss an installation specification with the customer to see what combination of products and features will best suit their needs and to estimate the installation cost. A firm quotation will be supplied after we examine the loco.

Accucraft Live Steam Locos **Booking Now** Dates and prices may vary **NEW! Large Quarry Hunslet 0-4-0ST**





Due Late 2020, blue, black, red or Penrhyn lined black livery. Manual only estimated price £1595 Book yours now!



SECOND BATCH! Dolgoch 0-4-0WT In Stock, £1595 manual only. Available in 32 or 45mm gauge, colours are Atlas Green, Indian Red or TR Red. (TR Green sold out). NEW! Talyllyn 0-4-2ST Due Early 2020 or later, estimated price £1650. 32 or 45mm gauge, available in TR Green, Indian Red or Black. Talgarth 0-4-0T & Sabrina 0-4-0ST In Stock Man. £1095, R/C £1395 NEW! Cavan & Leitrim 4-4-0T Kathleen or Lady Edith, available in lined C&L Green, GSR Grey or Satin

Black versions, 45mm gauge only. Man £1950, R/C £2250, 2020 or later. NEW! Lawley Beira/SAR 4-4-0 tender, due late 2020 or later, estimated price £2995, available in

Black In Stock. 7/8ths Bagnall 0-4-0 ST Man. £1295, R/C £1595

Beira Green, SAR Green and SAR

In Stock IOM Mona 2-4-0T, Ailsa Green only. Electric £1325 (4 weeks delivery)

In Stock Exe, Taw or Yeo 2-6-2T electric only, £1550

All Roundhouse diesel locos are built to order in 10-16 weeks

Hercules 0-4-0D Radio control battery electric £560



Merseysider 0-4-0D R/C battery electric £755, with sound £875 Harlech Castle 0-6-0D R/C Battery electric £935, with sound £1075, FR yellow band additional £40 Darjeeling NDM6 0-4-0D, R/C battery electric £1275 sound £1380 Bulldog 0-4-0D R/C battery electric

Roundhouse Live Steam **Booking Now**



NEW! Davenport 0-4-0ST US outline Nov 2020, Man £1625, R/C £1850 Fowler 0-6-2 tender, Mar 2020 Manual £1655, R/C £1885 Clarence 0-4-0 Tram April 2020, Man £1565, R/C £1700



Leek & Manifold 2-6-4T May 20 Manual £1835, R/C £2060 WD Alco 2-6-2T Apr/May 2020, Manual £1938, R/C £2173 Billy 0-4-0T June 2020 Manual £1370, R/C £1615

David Lloyd George 0-4-4-0T Double Fairlie July/Aug 2020 R/C Only £4100 Darjeeling B 0-4-0ST Aug 2020

Manual £1965 R/C £2180 Darjeeling Garratt R/C only Aug 2020, £3900

Lilla 0-4-0ST Sept 2020 Manual £1605 R/C £1835 Katie 0-4-0ST Oct 2020 Manual

£1370, R/C £1615 Lady Anne 0-6-0T Dec 2020 Manual

£1440, R/C £1625 Silver Lady 0-6-0T Jan 2021 Manual

£1735, R/C £1955 Russell 2-6-2T, April 2021, Manual £1761, R/C £1930

Basic Series - Bertie, Millie & Sammie, all £675.

Jennie, 0-4-2 tender loco. £799. All built to order, delivery currently approx. 10-16 weeks.

Peco SM32 & G45 Track

1 000 011102 0 0 10 11	uon
SM32 Buffer stop kit	£5.00
SM32 1 x 3' flexi track	£9.00
SM32 12 x 3' flexi track	£96.00
SM32 6 x 30"radius curves	£48.94
SM32 6 x 38" radius curves	£48.94
SM32 60" rad points L,R	£48.00
SM32 Y Point	£48.00
SM32 38" rad points L&R	£45.00
G-45 1 x 3' flexi track	£14.15
G-45 6 x 3' flexible track	£83.00
G-45 6 x 2' radius curves	£48.60
G-45 6 x 300mm straights	£48.60
G-45 48" radius points L&R	£66.14
G45 Buffer Stop Kit	

We also stock Accucraft rolling stock. ready for immediate dispatch.

FREE UK DELIVERY on all orders over £200. Smaller orders no more than £4 per shipment. For quality customer service and delivery, ring Neil, Pete or Harry on 0330 0885759 (UK local rate) or shop at www.track-shack.com Prices as of going to press, include 20% VAT. E&OE. TrackShack Ltd, Unit 4 Olive Court, Ramsey Road, Peel, Isle of Man, IM5 1RH. Tel: 0330 0885759 (UK local rate) Mon-Friday 0900-1630. www.track-shack.com

ALL ABOARD - For Model Train Sales

Friday 21st February, Friday 20th March & Friday 24th April 2020

Thornaby Auction Rooms at 10.30am

A good selection of G Gauge in all sales

Our next Model Train sale will be held on Friday the 21st of February 2020 and then we hold one every month of the year featuring over 600 lots. During 2019 we had a good selection of G Gauge and Large locomotives, Rolling Stock and Accessories. We are always looking for similar items for our Model Train sales.

So whether you have Gauge Z or 5" Gauge, or anywhere in between, whether it's single items to a whole collection for our specialist train sales, if you are thinking of selling why not get in touch with our friendly team and we will be

happy to talk to you about putting them into auction.

Contact: Michael Bond on 01642 750616

email: michael.bond@vectis.co.uk

Mike Delaney

on 01993 709424

email: mike.delaney@vectis.co.uk



(Prices realised)

For more information regarding forthcoming sales visit our website All Vectis sales are Room Auctions. Live internet bidding available at

www.vectis.co.uk & www.invaluable.com

Vectis Auctions

Fleck Way, Thornaby, Stockton on Tees TS17 917

Oxford Office

Unit 5A, West End Industrial Estate, Witney, Oxon OX28 1UB





Home of The Garden Railway

since 1987

Good Times with Great Friends 25 Area Groups, Help, Advice & Open Days!



www.gscalesociety.com

John Sutton Models

I sell a wide range of new and secondhand models in SM32 and G45

- Orders welcome for UK and Overseas
- Callers welcome by appointment only please

Just arrived in stock Accucraft Sabrina & Talgarth in 3 colours **IOM Bogie Braked Coach now available** Locomotive storage boxes in 3 sizes

Wanted: Your Garden Railway locomotives and complete collections. Excellent prices paid. Will pick up or can arrange collection - speak to John

Many new and second hand locos in stock check website for availabilty

66 Carthorse Lane, Brockhill, Redditch, Worcestershire B97 6SZ Tel: 01527 67696 - Mob: 0779 8924575 www.johnsuttonbooksandmodels.co.uk johnsutton3@sky.com

L.G.R.F

LLANGOLLEN GARDEN RAILWAY FESTIVAL

MAY 30TH 2020

Over 50 Traders

from the very biggest, to the very newest names in garden railways.

10 Exciting Layouts

from 16mm modular, dual gauge 16mm/45mm and larger gauges.

Ride On Railway

5 inch ride on railway on site.

Discounted Rail Tickets

enjoy a discounted ride on the nearby Llangollen preserved railway.

Saturday May 30th 2020 10am - 4:30pm Admission: £7 | Accompanied Children: Free

> For Full Details Please Visit www.lgrf.co.uk

Design and manufacture of live steam locomotives in 16mm and 7/8ths scale.







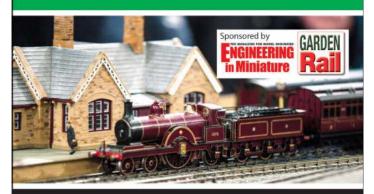
www.wilsonlocomotives.com.au info@wilsonlocomotives.com.au gustagram



THE MODEL RAIL SHOW FOR LARGER GAUGES

MIDLANDS GARDEN RAIL SHOW

0 GAUGE, G SCALE, GAUGE 1, 16MM & MORE



SATURDAY 14th & SUNDAY 15th MARCH 2020

Open 10am – 4pm Daily

WARWICKSHIRE EVENT CENTRE



A Leading Garden **Railway Exhibition**



Over 35 leading suppliers to help you create your dream garden railway including locomotives, rolling stock, track and accessories.

Admire up to 15 amazing Layouts and Club Displays.

Full restaurant facilities. FREE car parking for over 2,000 cars.

BOOK YOUR TICKETS NOW!

ADMISSION PRICES	ONLINE TICKETS*	FULL PRICE TICKETS**
Adult	£8.00	£9.00
Senior Citizen	£7.50	£8.50
Child (5-14)	£3.50	£4.50

Children under 5 FREE when accompanied by a full paying adult/senior

- *Tickets are available via our website at discounted prices until midnight on Tuesday 10th March 2020.
- ** Full price tickets are available on the day from the ticket office. e call SEE Tickets on 0115 896 0154 if you would like to book

Inspiration for planning your garden railway - see live steam, gas and coal fired locomotives.

www.midlandsgardenrailshow.co.uk

Follow us for the latest news!







DIARY DATES

Date: 29 February

Event: Model Railway Winter Showcase and AGM Venue: The Rufus Centre, Steppingley Road, Flitwick,

Bedfordshire, MK45 1AH Times: 10am to 4pm

Admission: Non-member (Family ticket) £5, Member £3

Organiser: The Gauge Three Society

Web: www.gauge3.org.uk

Date: 14-15 March

Event: Midlands Garden Rail Show

Venue: Warwickshire Event Centre, A425, Southam Road,

Leamington Spa, CV31 1XN

Times: 10am to 4pm

Admission: Adult £9.00 Senior £8.50 Child (5-14) £4.50 –

Discounted tickets are available on-line. Web: www.midlandsgardenrailshow.co.uk

Layouts: 16mm Association Modular Layout, Ballygornal Junction, Buckinghamshire Garden, Railway Society "Whiteleaf Light Railway", G Scale Society Publicity Layout, Gauge 1 Vintage Tinplate Trains Group, Hambleden Valley Railway, Hampton End, Lough Motive

Power Depot, Mendip Vale, Roche Junction, Stanley Midland.

Trade: Accucraft UK Ltd, Airframed Glass Display Cases, All Components, Anything Narrow Gauge, Aster Hobbies, Barrett Steam Models, Blackcat Bridges, Bole Laser Craft, Bowande Live Steam UK, Brunel Models, Chalk Garden Rail, Chuffed 2 Bits, Coach & Wagon Works, FineScaleBrass (UK), Garden Railways Specialists, G S Model Supplies, Hafix Industrial Products,

IP Engineering, John Sutton Books and Models, Just the

Ticket, Loco Boxes, Malcs Models,

Mamod Ltd, Model Earth Design, Modeltown, Sandringham Garden Crafts, SMTF Model Shop The Sparesman, Steve Currinn Books, Tony Green Steam Models, Vale of Rheidol Railway.

Aditional info: Free parking. Refreshments.

Date: 14 March

Event: Narrow Gauge North

Venue: Pudsey Civic Hall, Leeds, LS28 5TA

Times: 10:30am to 4:30pm

Admission: Adults: £8.00, accompanied children under 16:

£1.00

Web: www.narrowgaugenorth.org.uk

Additional Info: Layouts include the 16mm Poppleton Nursery. Hot & Cold refreshments available. Plentiful free parking. Disabled access to all areas except the stage. Proceeds to Sue Ryder Care - Wheatfields, Leeds.

SUBMISSION NOTES

Garden Rail welcomes articles submitted via posted disc, e-mail, Dropbox (or other large file sending system on-line). Please ensure that your name, e-mail address, telephone number and postal address for payment on publication are included. Send to phil.parker@warnersgroup.co.uk or to the contact address on

Articles should be submitted in MS Word or other word processing format. Please do not use fancy formatting or embed photos in the piece, these should be sent separately at the highest resolution possible and in JPEG format. Printed photos of a historic nature will be accepted. Captions for all photos should be included as part of the submission. You must own copyright to any material submitted.

Date: 21 and 22 March

Event: London Festival of Railway Modelling Venue: Alexandra Palace, London, N22 7AY Times: Sat 10am to 5pm. Sun 10am to 4.30pm Admission: Adult £13 Child £6.50 Family (2+3) £39 -

Discounted tickets are available on-line.

Organiser: Warners Exhibitions.

Web: www.world-of-railways.co.uk/information/the-

london-festival-of-railway-modelling

Aditional Info: Layouts include the G scale Whiteleaf

Light Railway

Date: 4 April

Event: National Garden railway Show

Venue: Peterborough Arena, East of England Showground,

Peterborough PE2 6XE **Times:** 10am to 5pm

Admission: £12.50 on the door (under 18's and carers admitted free), however buying in advance (online from 9th

December) will save you £2.00 per ticket.

Organiser: The Association of 16mm Narrow Gauge

Modellers

Web: www.nationalgardenrailwayshow.org.uk Additional Info: 19 layouts, in scales including 16mm to the foot, 7/8ths, 7mm narrow gauge, G, G1 and G3 running a mixture of live steam and electric powered stock. 100 trade stands including suppliers you simply don't see anywhere else as well as major manufacturers launching new products, information stands and heritage railways. Model of the Year Competition, Member to Member secondhand sales and lots more.

Date: 18 April **Event:** Quarry day

Venue: Woodseaves Garden Plants, Sydnall Lane, Woodseaves, Market Drayton, Shropshire TF9 2AS

Times: 11am to 6pm

Web: www.woodseavesminirail.co.uk

Additional Info: The Woodseaves Lake Light Railway is a 32mm gauge line with over a scale mile of track located within the grounds of a garden nursery and miniature railway. Prototypical running for the theme is preferred (quarries). Parking and other facilities are on site. Refreshments available.



Chalfont at the Midlands Garden Rail Show 2019

MyLocoSound £59

Tram Soundcard now available

For battery radio control or analogue track power or DCC. Easy screwdriver installation. £10 remote control enables adjustments without dismantling the loco. Also great for 5" and 7%" ride on locomotives.

Universal steam ... synchronised load sensitive chuff, sixteen selectable and adjustable whistles, bell, safety valve, live steam injector, "All aboard", guard's whistle, brake squeal and Westinghouse brake pump.

Universal heavy diesel ... Choice of English Electric, Modern EMD, Classic GM, Alco, Sulzer and Railcar engines, six variable horns, bell, brake release, "All aboard", guard's whistle, brake squeal, switchable turbocharger and start up sequence. Also **Light Diesel soundcard** with Klaxon and modern horns.

Universal electric ... adjustable, load sensitive motors, variable horn styles, bell, guard's whistle, brake compressor, brake release and door slams.



www.mylocosound.com

Distributed by Fosworks of Blackburn 01254 814675 E-mail sales@fosworks.co.uk





01904 611761 01723 377020



www.pshobbiesandmodels.co.uk

THE SHOP WITH THE STOCK IN STOCK!

Well its 2020 and the Digital Special offer is back as in the past we are offering Until The End of february FREE FITTING OF ALL DIGITAL DECODERS TO YOUR LOCOMOTIVES We are your one stop shop for spares updates and Repairs to your LGB & Massoth Digital Components, We carry massive stocks of spares and we offer Possibly the quickest Fix (subject to parts being still avaiable) No job to big or small no one offers better In the Uk CENTRAL STATIONS, POWER SUPPLIES, DECODERS, SWITCH MODULE, SOUND MODULES, LOCO PARTS WHEEL SETS, MOTION PARTS ,SMOKERS,LIGHTS , WE REALLY DO HAVE THE LOT IN STOCK GIVE US A CALL

> 32 Castle Road, Scarborough YO11 1XE also at: 4 Walmgate, York YO1 9TJ



Jackson's Miniatures





Did you get a Double Fairlie for Christmas? Or another live steam loco? Then you'll need one of our Superior top up bottles. Two sizes of bottle available 650ml and 950ml - at the same price of £14.50 including postage.



The 'Superior' water top up bottle - £14.50 (including UK postage & packing) Please see our web site for full details of all our garden railway products Doors and windows for scratch builders, cladding sheets for buildings

Old Fir Tree Inn, Peacemarsh, Gillingham, Dorset SP8 4EU tel: 01747 824851 e-mail: info@jacksonsminiatures.com fax: 01747 821405



THE GAUGE ONE MODEL RAILWAY ASSOCIATION

ust imagine the thrill, spectacle and sound of a real livesteam hauled express train like this one running through your garden, or perhaps a more sedate goods train hauled by a modest tank engine. Whatever your tastes, G1MRAthe oldest established large-scale and garden railway association can help you realise that dream. Benefits include our renowned quarterly Newsletter & Journal, a wide range of construction book publications, friendly local groups and trade supplier lists. G1MRA layouts are regularly featured at major exhibitions nationwide - check our website Events list for details.

For joining details please visit our website: g1mra.com, or write to:

The Membership Officer PO Box 363, Trimdon Station, TS29 6YU 07547 804142 Email: g1mra.membershipofficer@gmail.com Building a budget



fter reading through a few recent copies of Garden Rail I noticed several people were asking for information on budget radio control

systems for locomotives or special

A newcomer to G scale, I have been converting my second hand loco fleet

Standard JST The variety of plugs and sockets you will encounter. 5.1 Plug PP3 Snap Connector **DPDT Switch** Mini JST 1.25 5.1 Socket Fuse Holder 5 Amp Fuse

over the last couple of years to 2.4 GHz radio control. The size and presence of the trains was my main draw to the scale, a huge step up from N gauge!

It's been a bit of a leap into the dark without a torch at times. Is it possible to keep the cost of what can be an expensive hobby at an affordable level and not compromise on reliability?

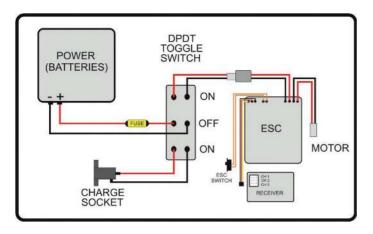
Thanks to several other members of the G scale Society who have given help and advice, I now feel able to tackle most radio control problems as they arise.

THE BASIC EQUIPMENT.

Tx - A Transmitter, usually on 2.4GHz to send the signal to the loco. The more channels the more expensive but even cheaper units should have at least 3 channels.

Rx - A Receiver which is "bound" to the Tx so it can read the signals sent to it. **ESC** - Electronic Speed Controller, this alters the speed and direction of the loco motor.

Motor - Buried deep inside the loco body somewhere, there will be a motor or two.





Modifications to the transmitter.

Battery Pack - Power for the Rx, ESC, lights, sound and anything else in the loco.

Fuse - 5-10 Amp for safety, just in case two wires touch or something goes wrong the fuse blows and breaks the circuit stopping your loco catching fire.

There are plenty of different types but a 5 Amp 20mm quick blow glass fuse will cost around 17p and a covered holder about 50p.

Switch - On-Off-On toggle switch isolate the battery pack or switch to charging mode. **Socket** - To take the plug from your battery recharger. Plugs and Sockets - Pair of Japan Solderless Terminals (IST) a standard radio control connection. PP3 9v snap connector. Micro IST 1.25mm or 2mm 2-Pin (Male and Female only if you are fitting the RC in

The super budget components. to a wagon or carriage which will trail

The budget speed control.

12v in **ESC** Switch Loco motor

Loco

motor

To Rx

behind the loco. The ones Bachmann use are 2.5mm pitch, this is the distance between the pins).

Smart Charger - A plug in unit that works out how much charge to put into your batteries without over heating or overcharging them (overcharging certain batteries can cause them to catch fire). The one I use is by Bulldog and was

That's the shopping list done. Just look for the best deals on eBay for the components, the cheapest will come from Hong Kong/China

but you will have to wait a while. If you need items quicker try Squires. They are still quite reasonable in price and are very helpful with advice, also they do

attend a lot of the model railway shows up and down the country.

I started with a Flysky FS-GT2B car hand held transmitter. This has rechargeable batteries in the handset which are charged from a USB or 5v socket, it also comes with a receiver, spare rubber hand grip, charging cable and a binding plug. Not bad for the princely sum of around £20.00 on eBay when dispatched from China. There are UK versions that will arrive quicker, but you will have to pay almost twice the price.

Once you have this setup or something similar you are then able to buy extra receivers for each new locomotive you add to your collection. The Flysky receivers are available for

ELECTRONICS

All Scales

around £5.50 each. Each receiver just needs to be "bound" to your transmitter before you start.

Remember that in practise vou can only control one loco at a time with one transmitter even though you can bind multiple receivers to one transmitter. You might cause a bit of chaos running two locos on the same channel at an open day! The receivers can also be powered without an ESC by putting a 6v battery onto the VCC channel, good for remote operation of smoke or lighting effects in buildings.

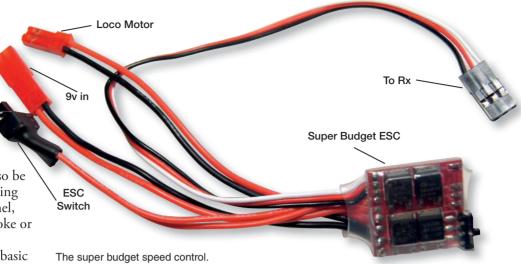
So far we are at £20.00 for our basic three channel control system.

Channel 1 (Throttle) - Trigger that is sprung to return to centre off **Channel 2 (Steering)** - A wheel that is sprung to return to centre off

Chanel 3 (Latching) - One click on -One click off

I plug Channel 2 into the ESC and then make a small modification to the handset. Undo the screw in the middle of the wheel and remove the whole thing so you can fit a fibre washer under it to hold the wheel, controlling the speed of loco, at whatever position you put it at. The washer stops the spring returning the wheel to the off position. I found a 14mm washer with an 8mm hole found in a pack from the Pound shop fits well, these are about 1.4mm thick and you might need to use two or three to succeed.

While the wheel is removed cut they take a few weeks to arrive from China. Postage is normally about 3mm off each end of the plastic stops to increase free and they are fantastic value your locos top speed. for money. Then reassemble the When the parcel handset and you are arrives you end up with a small circuit ready to go. **Batteries** Inside the locomotive with the super budget control.



Next we need an ESC to control the power to our loco. Here you have to make a choice between super budget or

Super budget will cost around £3.30 but will only work up to 9volts, fine for a small loco or shunter where speed is not important.

Budget will work with 12 - 14 volts, better for speed and more mainline style trains or large goods trains. These cost £22 -£28.00.

Full on 12v – 24v versions will cost around the £40 plus mark.

Try a search on eBy for "20A Bustophen ESC brushed speed controller for RC car truck boat" you should get quite a few results all in the £3 - £4.00 range. I usually buy three at a time as

board covered in clear plastic (25mm x 25mm x 7mm) with three cables with plugs on, two red (Female = power in, Male = Loco motor) one black (Receiver) and an on - off switch.

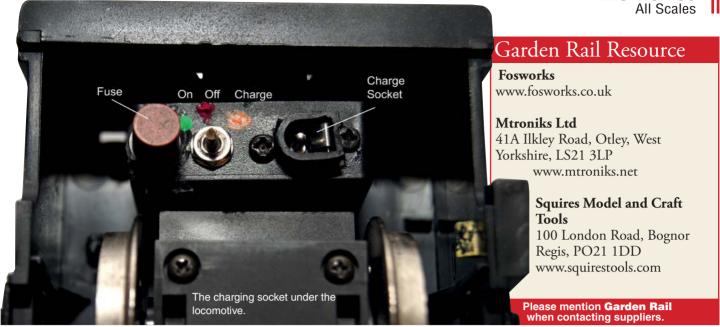
All you need now are a pair of JST plug and socket cables (£3.90 for 10 sets on eBay) and a fuse 5-10amp plus a battery pack for 9volts. I use an eight cell holder and cut an old bolt to the same length as an AA battery and placed it with 7 AA rechargeable batteries from Lidl, these only cost £2.99 for four when in stock. I have also used 9v PP3 batteries. Two of these gave 30 minutes running over my winding and sloping garden railway powering an LGB Schoema diesel.

It is important when converting your loco to battery power to isolate/cut all power pickups from the track otherwise when you power up from your batteries the voltage will move your loco and also any other one on the track nearby.

You can use any type of fuse (even standard mains plug style) I happened to have a few circular quick blow ones from an earlier project which are fairly small.

If your battery pack will remain in the loco then you will need a toggle switch and a charging socket to top things up. I use a sub miniature mini toggle switch DPDT with on-off-on capability at around 80p each. The wiring diagram shows a charging circuit for a DPDT swtich. If you use an SPDT- Single Pole - just join the three black wires near the switch.

The charging socket I use is for a 2.1 x 5.5mm jack plug, these can be obtained in pairs (plug and socket) for as little as £2.30 for 10.



BINDING YOUR TRANSMITTER AND RECEIVER.

Once everything is connected up you need to "Bind" the Rx to your Tx. Different radio systems will vary slightly in the method, but this is how I do it for mine.

- 1) Turn everything off.
- 2) Put the binding plug into the channel marked "bind".
- 3) Turn on the receiver the LED should flash quickly as it tries to find
- 4) Hold the binding button on your transmitter handset as you turn it on,

the Tx should start flashing and the receiver should stop.

That's it, turn both off and remove the binding plug, switch both back on and you should be up and running.

Once you have paid for your transmitter and charger the cost of powering other locos is quite reasonable. Super budget in a wagon/carriage or in a small loco around £10.00 plus batteries.

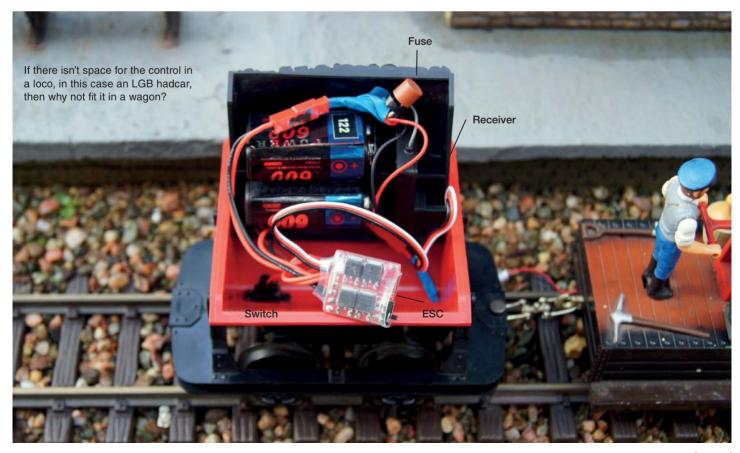
Budget will come in at about £30.00 plus batteries with onboard charging.

The extras you can add are an RC switch for lights on Ch3 (£3.00) or add a micro servo (£5.00) with some magnets

on the arm and two micro reed switches on Ch1 to give two more functions, ideal for controlling a sound card.

Alternatively you can buy a channel splitter (£18.00) from Fosworks which you can setup as latching or momentary I use one with an Mtronics large diesel soundcard (£55.00) to give engine startup (push on trigger) and two tone horn (pull on trigger) add a super bass speaker (£7.00) and you will have some serious sound!

It is down to you how much you want to spend but at £10.00 plus batteries for basic control, what a bargain!



Scratchbuilding an Upper-Class open balcony Scratchbuilding is less of an economy and more of an adventure suggests Dave Skertchly

ratchbuilding is usually associated with hours of dirty and dusty marking, cutting, sticking, painting and bolting of parts which then yield a slightly inferior quality model to one which could have been bought or made from a kit.

Sadly, this is completely true but to me there is something exciting about hunting out a drawing of my latest obsession, adjusting it to size and then cutting out that first piece of metal or wood. Those first few hours are a heady concoction of optimism and foolishness but soon to degenerate into weeks and even months of selfless toil.

A murky shot captured from an 8mm film frame of the long-ago scrapped toast rack coach which inspired this project.

Eventually the project gets completed, warts and all, and believe me I know every wart, after all I made and fixed all of them. By then I will also know every detail of the model and the history of the original to my great interest and satisfaction and own a completely original model of my favourite project.

My latest project is a pair of Glyn Valley Tramway balcony open coaches and it seems that even before starting I had fallen at the first hurdle in the authenticity stakes. There was in fact only ever one of these coaches and alas, I made a pair.

For some 30 years there had been



CONSTRUCTI

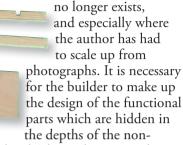
The single most important scratchbuilding skill to be mastered is to keep finger tips out of the way of the Stanley knife blade.

Company at

Shrewsbury in

1891. It was the

The basic parts were cut out and sanded to shape using a bench sander.



existent detail. This is the creative bit and I love it.

The working drawings were scaled up on a photocopier. To mark out the parts a range of low cost measuring equipment was used. It is important to keep on trying to make every cut and joint square even though things may ultimately get a bit wonky as tiny errors build up. I cut the parts from "Lite Ply" bought from the model aeroplane shop.

The basic parts were cut out and sanded to shape using a bench sander. The dummy chassis has notched cross braces and longitudinals which turned out to be a waste of time.

The sides pods were made to clip on and are retained with a pair of M3 nuts and bolts. The seat slats were

The structure coming together as details are added using free coffee stirrers. 60 The sides clip on and are each retained with nuts and bolts. Midland Railway Carriage and Wagon last of the GVT "oddities" the rest being to standard designs. I thought that rancour on the Vale of making a pair of these Weedol Tramway. Grudges carriages might make run deep in this part of mid Wales, amends for my hasty close to Aldershot as it happens. decision three decades ago. My main reference was to be the delightful drawing by Elenora Steel in The Glyn Valley Tramway by W.J. Milner. Here is the first challenge, these drawing are not engineering

It all started when I scrapped the little open bogie toast-rack coach to retrieve the eight Binnie wheels for new projects. It seems that this balsa wood lash-up was used for Llangoblin Locomotive Club outings hauled by a little 16hp Ruston Diesel, now 40 years old, which was made from a Saltford Models kit.

bitterness and

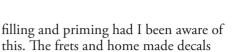
A visit to the Glyn Valley Tramway Museum at Glyn Ceiriog reminded me that I had not modelled the little open balcony third-class coach built by the

Dave took plenty of detail shots on the Lynton and Barnstable railway. They aren't exciting, but very useful.



added using coffee stirrers slit lengthways and for drawings which would this comprise many sheets of fully dimensioned blueprints. Alas the few dimensions quoted on our drawings are often wrong or contradictory especially where the original The seat slats were added using coffee stirrers slit lengthways.

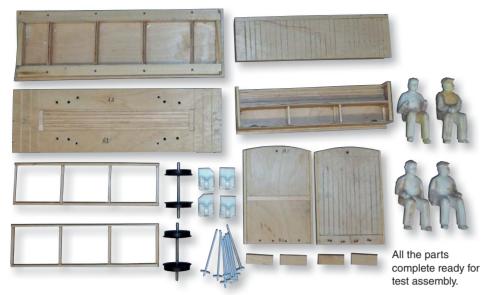




were fitted to the side pods. The wires connecting the axle boxes are a feature of Glyn Valley Tramway coaches. Were they to take braking loads or to stop things falling under the wheels? Either way they were reproduced with plastic coated garden wire.

As I sit at my trendy table outside the Sheep Shearers Prosciutto bar I sip at my glass of "bubbles" and long instead for my fine pint of Auld Phagbutt. It seems that the search for "a better class of customer" has even reached the Sheep Shearers Arms, but with any luck things will soon return to normal. I sigh and take comfort from knowing that those 30 year old grudges have at last been settled by a pair of almost authentic and not too wobbly balcony coaches.

Some of the passengers are reading Garden



The wheels were mounted on a bit of scrap wood which was adjusted with a spirit level to get the correct axle box centre and buffer height. Faced with making eight axle boxes I made a wooden pattern, took a silicone rubber mould and cast the the axle boxes from polyurethane. It was necessary to drill the mounting and bearing holes and unfortunately I did not foolproof the tools, so half were drilled upside down and had to be re cast!

The side details were made on a separate fret to avoid having to "cut in" the contrasting paintwork. The fret components were cut from coffee stirrers and glued to a copy of the plan using super glue. The completed fret was cut out carefully using the paper plan as support and then finished separately to the sides.

The Directors of the Vale of Weedol Tramway, it seems, are rather class conscious and insisted that they wanted to attract a better class of customer. One carriage was designated "Upper Class" and the other "Working Class". The Upper Class coach was loaded with top hatted gentry while in working class the

passengers are wearing flat caps. The carriages are ten seaters but even with a 50% load factor I had to make all 10 figures including the ticket collector.

The parts and figures were sealed with model aircraft sanding sealer. The seats and floors were varnished and the rest masked and primed with rattle can primer. The matchboarding was rescribed to maintain the detail.

This is the first time that I had used specialist Tamiya model enamels with my inexpensive airbrush and what a delight it was. The coating is so much denser and thinner than hobby enamels applied with a brush. I would certainly have spent more time

on the





The frets and home made decals were fitted to the side pods.





The complex structure underneath the carriage is never seen and seems pointless, but Dave knows it's there. Garden-Rail.co.uk | 307 March 2020 **| 53** |









Tel: 01543 683122 • Email: sales@strikalite.co.uk Web: www.strikalite.co.uk

CAMBRIAN 16mm Narrow Gauge

The Line Side Hut



Qualität in der Eisenbahnmodellierung!



ZillertalBahn

Email: Enquiries@thelinesidehut.co.uk

www.thelinesidehut.co.uk Tel: 07523 024 887



Over 100 4mm Wagon Kits spanning many eras are also available www.cambrianmodelrail.co.uk cmr@cambrianmodelrail.co.uk 01322 515672 2pm to 4pm PO Box 85, Greenhithe, Kent. DA10 9DN

IP Engineering (uk) Ltd

Carousell, Spilsby Rd New Leake Lincs PE22 8JT Tele: (01205) 270010 Visit our secure on-line shop at www.ipengineering.co.uk



Ffestiniog 16mm Scale Slate Wagon & Flat Wagon Kits



New to our Quarry Range is the 16 mm scale Ffestiniog slate wagon built using laser cut parts, white metal detail parts including cast axle boxes and Wheels as standard £20.00

Also new to our Quarry Range is the 16 mm scale Ffestiniog flat wagon built using laser cut parts, white metal detail parts including cast axle boxes and



Wheels as standard £15.00



All Major Credit Cards Accepted By Post, Phone And In Our Secure Online Shop







Here at Frome Model Centre we offer our customers one of the largest, most diverse ranges of railway modelling products under one roof with a helpful and friendly service provided by our experienced team!

Come and visit us here at Frome Model Centre, with product ranges across model railway, plastic kits, toys, wargamming, dollshouse accessories, crafts, tools, paints, and much more, we are sure to have something for everyone, of all ages and interests!

Model Railway Service and Repair ecialists - with over 30+ years experience

Buyers and Sellers of Second Hand Railway - with one the largest ranges under one roof!











AUGEMASTER WILLS KITS Service & Repair - Second Hand - Technical Advice

Tel: 01373 465295 E: sales@frome-model-centre.com Free Parking www.fromemodelcentre.com 1-2 Catherine Street, Frome, Somerset BA11 1DA Opening Hours: Tue-Sat: 10am-5pm 📑 🗾





Smallbrook Studio



NEW Introducing our NEW 16mm scale 1:19 Vacuum Cast Resin side tank Locomotive Kit 'ELFIN' - now with a much improved chassis and Slater's wheels - £330.00 A GI version is also available for the same price

A Body Kit complete to fit onto an LGB Stainz or your own chassis is also available for £198.00

The kit makes a simple battery powered garden railway locomotive and is complete with everything required to make the model including a new improved chassis, Slater's wheels, high torque motor, brass gears, weight and electronic speed controller but requires batteries, glue and paint. The kit comes with good, clear instructions for building

Post & Packing on all orders: UK £4.00, Europe £8.00, Rest of World £9.00. Send large C4 SSAE with large stamp for our illustrated 16mm scale price list. Payment by PayPal on our web site, by phone for all major credit/debit cards or cheque by post.

SMALLBROOK STUDIO, Smallbrook House, Gunville West, Newport, Isle of Wight. PO30 5LW

Tel: 01983 520584 • Email: smallbrookstudio@gmail.com www.smallbrookstudio.co.uk



Arben Blume, Rue des Marais, Vale, Guernsey, GY6 8AX



3D printed wagon kits - 16mm/1:19 scale. Available for 32mm or 45 mm gauge. All parts included

Fully insulated wheels with steel rims. Brass wheel bearings for smooth running



Supplied unpainted Superb detail Sprung buffers.



3 plank wagon - flat ends - £27.00 Flat wagon - £24.50

E-mail:lisiacraft@outlook.com Tel: 01484 251168 ·

AXITRAK.COM PAY MONTHLY The best of model rail and road Hunslet 'Alice' Painted Kit £3995 Ready to Run Minimum 8ft radius Back by popular demand! 10/11 Larkstore Park, Lodge Road, Staplehurst, Kent, TN12 0QY Tel: 01580 893030 Email: info@maxitrak.com









SELL YOUR SECONDHAND LOCOS & ROLLING STOCK FOR CASH

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

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



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

Mr A Manning, Ipswich

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

Mr P Shaddock, Portsmouth

through the list

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

Mr D Spottiswoode, Kilmarnock















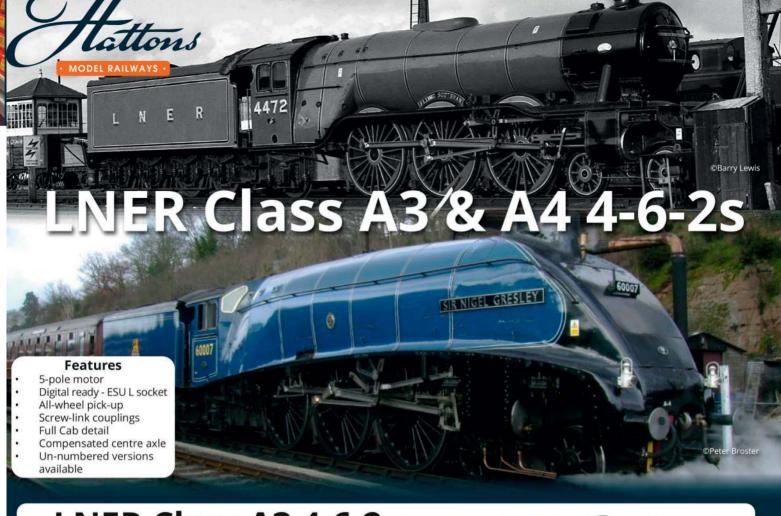


Sell yours today at www.hattons.co.uk/preowned

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

17 Montague Road, Widnes WA8 8FZ

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



LNER Class A3 4-6-2

Unstreamlined corridor tender

H7-A3-001 2750 'Papyrus' in LNER Grass green

H7-A3-002 4472 'Flying Scotsman' in LNER Grass green

H7-A3-007 60103 'Flying Scotsman' in BR green with late crest BACK IN STOCK JAN 2020

Unstreamlined non-corridor tender

H7-A3-003 2745 'Captain Cuttle' in LNER black

H7-A3-004 60072 'Sunstar' in BR Express blue

H7-A3-005 60035 'Windsor Lad' in BR green with early crest

H7-A3-006 60077 'The White Knight' in BR green with late crest

IN STOCK NOW Digital Ready: £750

LNER Class A4 4-6-2

Unstreamlined corridor tender

H7-A4-004 4489 'Dominion of Canada' in LNER garter blue **H7-A4-006** 60007 'Sir Nigel Gresley' in BR express blue

H7-A4-008 60009 'Union of South Africa' in BR green with late crest

Streamlined non-corridor tender

H7-A4-002 4468 'Mallard' in LNER garter blue

H7-A4-003 4468 'Mallard' in LNER garter blue

H7-A4-009 60008 'Dwight D Eisenhower' in BR green with late crest

Streamlined corridor tender

H7-A4-001 2509 'Silverlink' in LNER silver

H7-A4-005 4464 'Bittern' in LNER garter blue

H7-A4-007 60012 'Commonwealth of Australia' in BR green with early crest



Due in stock: Feb 2020
Digital Ready: £750

Order yours online at: www.hattons.co.uk/recordbreakers

Hattons Model Railways 17 Montague Road, Widnes, WA8 8FZ



Letters are welcomed on any aspect of large scale railway modelling. Please e-mail the Editor: phil.parker@warnersgroup.co.uk or post to The Editor, Garden Rail Magazine, Warners Group Publications, West Street, Bourne, Lincolnshire, PE10 9PH

THE G SCALE SOCIETY

It is now common knowledge that The G Scale Society is not organising its own garden railway show in 2020.

However, we are still required to hold an AGM and to this end we have agreed with The Association of Larger Scale Railway Modellers to hold this at the ALSRM Reading Show on Saturday 9 May 2020 at 1300hrs.

In addition and as part of our contribution to the day, there will be a significant G Scale presence at the show. There will be at least four and possibly five G Scale exhibits showing in the main hall.

Layouts already confirmed are: Hampden End; Dow Bridge and the Chiltern Area Group.

In addition, the G Scale Society will be occupying the 'Thames Suite' demonstrating our latest initiative in Gn15 scale and holding our Modelling Competition.

Eric E Upton

Chairman, The G Scale Society

GLUE

I think Dave Skertchly (Winter Working, GR 305) has been misled by

I was very interested to read the product news in Garden Rail Issue 306 covering the RNAD van from Resurgam models.





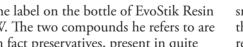
In 1994 I purchased TO 209 following the closure of the Trecwn Depot. The person I bought it from had successfully bid for 54 tons of redundant rolling stock including a Hunslet Diesel. TO 209 was in excellent condition given its age and arrived at our house on an old MoD lorry. We created a small 'railway' garden in the corner of our garden and its was our garden shed until we moved in 2005.

The powder van had undergone a refurbishment programme not long before Trecwn was closed. The chassis was built at Cravens in Sheffield in 1940 and had a teak superstructure. I think storage in the caves had provided a lot of protection and we noticed over the 11 years the corner bars started to corrode quite badly.

I'm now in touch with Resurgam to add a miniature version of my van to the fleet.

Robin Bennett

the label on the bottle of EvoStik Resin W. The two compounds he refers to are in fact preservatives, present in quite



small quantities. They're listed because they can sometimes cause allergic reactions in those with sensitive skin.

These compounds are found in a wide variety of domestic products such as cleaning materials like washing-up liquid and cosmetics, and my wife and I were told by a hospital dermatologist recently that they are amongst the commonest causes of skin reactions identified in skin 'patch' tests.

The adhesive manufacturer's Technical Data Sheet on their website says that Exterior Resin W is a 'modified polyvinyl acetate emulsion (PVAc)', so this adhesive is one of the PVA types. It's good stuff, too!

I liked Dave's snowplough design the pivot and the guiding wheels are very clever.





CHRISTMAS LIGHTS AT THE SWANAGE & SOUTHERN LIGHT RAILWAY

The family would be coming to us for Christmas and some hadn't seen the G scale garden railway yet. However December isn't really fun garden railway weather so I wanted to do something that could 'wow' the visitors without the need for full operations. Inspiration came from a Bachmann open toast-rack tram which I bought in the summer, which being illuminated makes a fine after-dark car, and is a complete train in one vehicle.

What it needed was some Christmas



After a brief hiatus, I am now back into garden railing and have nearly finished my own little line which has been constructed mainly using Filcris materials. Consequently, the excellent and well written article by Rob Golding regarding Building Bayfields was really interesting - but also a source of exasperation.

My method of construction is a tad different in that the outer Filcris rails are used with netting to form a trough into which I have put gravel and then laid the track onto it. As long as I can stop the dog jumping onto the trackbed, it seems to work well with little direct fixing of the rails other than at corners.

Nevertheless, I am still getting some distortion of track which I am beginning to believe is caused by the contraction of the Filcris because of its thermal properties. I think the construction is contracting in the cooler weather rather than the metal rails expanding.

Consequently, when Rob talks about sunlight affecting the stability of the material and advises taking care - I'd be very interested to know what steps he has taken.

Richard Jackson

Editor: I've passed this question on to Rob for comment. If any other readers have experience of Filcris, I'm sure we'd like to hear more.



lights and I discovered a vast range of different lights on the internet. I settled on a pack of 3x30 multicoloured lights from Innotree, for a very reasonable £9.

These duly arrived and due to the mouldable nature of the silver coloured wires I was able to wind one set of lights around the stanchions etc. of the tram. The power is two button batteries in a small plastic case which sat nicely on the conductor's platform, the switch remaining easily accessible.

The effect was great both standing still and in operation. I then applied more of these light sets to the garden railway. One set was strung along the station buildings and an adjacent tree, one was would round 'Christmas tree'



style on a tree opposite the station, and a third set was worked up and down the supports of a trestle bridge.

The big question was how to keep the batteries dry (the actual lights and wires are waterproof and can be used in fish tanks!). I used the plastic pouch that each set came in to house the battery case, re-sealed it and added some tape to it. I then located the pouch under a small rock or inside a waiting shelter to keep the worst of the weather off. Good job as it then chucked it down over most of Christmas but our visitors were able to admire the Christmas lights at the SSLR.

Stephen Wise







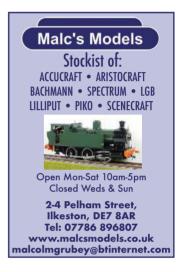
"Your temperature seems to have gone up since your last visitor Mr Smith".











Garden Rail **Digital Library**

Access 168 issues going back to 2006!



Subscribe to the Digital Library Just £8.99 per quarter or £39.99 annually.

www.warners.gr/GDRdigitalarchive or download the Garden Rail archive app.

T&Cs: This is a membership service. Once you stop your membership payments, you lose access to the digital library.

ADVERTISERS' INDEX

ACCUCRAFT UK LTD63	MALC'S MODELS	60
AIRFRAMED GLASS DISPLAY CASES. 60	MAXITRAK LTD	55
ANYTHING NARROW GAUGE13	MBV SCHUG	54
AUTOCOLOURS21	MERIDIENNE EXHIBITIONS LTD	43
BARRETT STEAM MODELS LTD55	MICRON RADIO CONTROL	41
BOLE LASER CRAFT21	MIKE'S MODELS	29
BRUNEL MODELS13	MY LOCO SOUND	45
CAMBRIAN MODEL RAIL LTD54	NORTH PILTON WORKS	60
DREAM STEAM LTD2	OLD MILL FARMHOUSE	55
ELLIS CLARK TRAINS14	P & S HOBBIES & MODELS	45
FROME MODEL CENTRE54	PDF-MODELS.COM	29
GARDEN RAILWAY SPECIALISTS 64	RAILS OF SHEFFIELD	61
GAUGE 1 MRA45	RESURGAM	54
	ROUNDHOUSE ENGINEERING	21
GAUGEMASTER COM27	SMALLBROOK STUDIO	55
GSCALE.CO.UK55	STRIKALITE	54
HARECROFT60	TEE PUBLISHING LTD	29
HATTON'S MODEL RAILWAYS56-57	THE ASS. OF 16MM MODELLERS	41
P ENGINEERING54	THE G SCALE SOCIETY	42
JACKSON'S MINIATURES45	THE LINE SIDE HUT	54
IOHN SUTTON MODELS42	TONY GREEN STEAM MODELS LTD	55
KENT GARDEN RAILWAYS15	TRACKSHACK	41
KM1 MODELLBAU5	VECTIS	42
ISIACRAFT55	WILSON LOCOMOTIVES	43
LANGOLEN GARDEN RAIL FESTIVAL 43	WOOD VALLEY WORKS	21



CASH OR EXCHANGE

WE WANT ANYTHING MODEL RAILWAY RELATED. ANY AGE, ANY GAUGE, FROM A SINGLE ITEM TO A LIFETIME COLLECTION. DISTANCE NO OBJECT. PLEASE TELEPHONE, OR EMAIL YOUR LISTS TO SECONDHAND@RAILSOFSHEFFIELD.COM

BUY-SELL-EXCHANGE-ANY GAUGE-ANY AGE

RAILS OF SHEFFIELD VALUE YOUR SECOND HAND COLLECTION VERY HIGHLY

LOCOS - COACHES - WAGONS - TRACK-WORK - CONTROLLERS - ACCESSORIES DIE-CAST - LORRIES - BUSES - PLANES - SOLDIERS - RAILWAYANA - AND MORE

FULL COLLECTIONS PURCHASED / UK & WORLDWIDE COLLECTION AVAILABLE



We urgently require collections of any size, featuring products from the following manufacturers:





Telephone our Second Hand team on: (0114) 255 1436 or email: secondhand@railsofsheffield.com







Dale O'Denby awaiting a turn on Rigmont.

Ridgmont in full flight with crowds watching the traditional 16mm modellers pastimes of running small steam locomotives and drinking tea.



ACCUCRAFT UK LTD

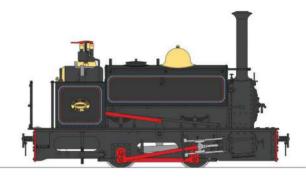
LIVE STEAM & ELECTRIC LOCOS AND ROLLING STOCK FOR GARDEN RAILWAYS

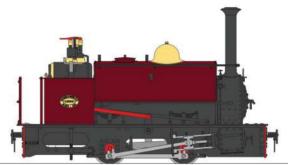
NEW FOR 2020! 1:19 SCALE QUARRY HUNSLET

As soon as we had a chance to run *Dolgoch* last March we realised that the design brief for this small locomotive had produced an almost perfect balance of performance and duration and, having instinctively avoided some of the smaller designs, the possibilities for new engines were now numerous. With Talyllyn No.1 designed and signed off we immediately redrew our 7/8ths" Quarry Hunslet as a 16mm model, a design whose characteristics will be much the same as the TR models and should prove to be a real crowd-pleaser.

The more generous proportions of the 'Large' type Quarry Hunslets will prove beneficial to the locomotive's run-time although to avoid compromising the look of the model we will only be offering it in 32mm gauge. The model is gas-fired and fitted with a water top up valve, water check valve, miniature pressure gauge; constructed of stainless

steel and etched brass with a copper boiler, the model will, as usual, be covered by our two-year warranty. The anticipated UK RRP is £1595.00 (subject to the usual provisos), available Q3 2020.



































Garden Railway Specialists

'Alice' Class Live Steam Quarry Hunslets

Pilot due in Spring 2020, Production scheduled for 2020/1.

1/19th Scale, 32mm or 45mm, Full Stephenson's Valve Gear, Poker burner,
Water & Pressure gauges, 20-30 min. running time (design to be confirmed)

Manufactured by Bowande in China - a quality maker of live steam engines
from Gauge 1 to 71/4 inch

Open cab Locos will be produced in Penrhyn lined Black (red/blue), & Dinorwic lined Red, with additional plain black and plain red versions ideal as a base for custom paint schemes. Those preferring a cabbed loco will have a choice of Penrhyn lined Black, or plain Black, but also Red, Green, or Blue lined liveries based on the Britomart style illustrated below. Estimated prices are open cab Locos at £1499.00 with the cabbed versions at £1699.00.





Product Code	Cabless	Cabbed	Livery	Lining Style
AW001	Yes		Black	Penrhyn
AW002	Yes		Red	Dinorwic
AW003		Yes	Green	Black/Yellow
AW004		Yes	Blue	Black/White
AW005		Yes	Red	Black/Yellow
AW006		Yes	Black	
AW007		Yes	Black	Penrhyn
AW008	Yes		Black	
AW009	Yes		Red	

Garden Railway Specialists Ltd

Station Studio, 6 Summerleys Road, Princes Risborough, Bucks, HP27 9DT E-mail: sales@grsuk.com Website: www.grsuk.com Tel: 01844 - 345158 Monday - Friday 09:00 - 17:30hrs Saturday 10:00 - 16:00hrs