

GARDEN

OCTOBER 2019
ISSUE 302

Rail

**WHY YOUR GARDEN
DESERVES A
TRAMCAR**



MOTHER NATURE

HOW TO PROTECT YOUR BUILDINGS FROM THE ELEMENTS



**SHOWCASING THE BEST NEW
PRODUCTS FROM FREELANCE
FUN TO FINESCALE EXCELLENCE**





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

Garden Railways



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

Request
your FREE
Catalogue
today!

0800 022 4473

www.dream-steam.com

Locomotives | Rolling Stock | Track | Accessories | Upgrades | Fixing kits & Washers | Chuffers | G Scale Figures | Curve Setters

BRAND OF THE MONTH: MAMOD



Mamod have been manufacturing live steam models since 1936. Based in Birmingham, Mamod continues to produce high quality steam engines as it did when it was first established by Geoffrey Malins. Although the Mamod range has expanded vastly since those early years, it still produces engines with all the passion and quality engineering that was first seen during those founding years of Mamod.

Telford	MTELGO	£452.00
MKIII	MK3	From £336.00
Saddle Tank	MST	From £336.00
Brunel	MBrunelOG	£440.00
Boulton	1351BO	From £325
Tram	1351TR	£495.00
Brunel Goods Set	BGS-CC-N	£520.00
Tender	MTDR	£38.00
Tanker	MTNK	£38.00
Goods Wagon	MGWN	£44.00
Guards Van	MGVAN	£50.00
Telford Tender	MTDR-T	£45.00



**NEW! MAMOD
ELECTRIC LOCO CHARGER
£35**

*In stock as of 08/08/19, please note these loco's may no longer be available, check stocks online or call. Please note basic range takes 4 weeks from initial order and other locomotives are in batches. Batch dates will be in product description. Locomotives in stock will state instant dispatch available.

PECO

32mm (SM32) Track

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) Track

Flexi Track - Six Pack	SL900x6	£79.00
Flexi Track - Single	SL900x1	£15.00
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	SLE95	£60.00
Left Hand Point	SLE96	£60.00
Point Motor Mounting Plate	PL8	£3.60
Metal Rail Joiners - 18 Pack	SL910	£8.00
Insulating Rail Joiners - 12 Pack	SL911	£3.10
Dual Rail Joiners - 6 Pack	SL912	£6.00

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

£29
inc. P&P

ROUNDHOUSE

In Stock Now*

Bertie	Blue, 32mm	£660
Jennie	Blue 32mm	£785
Little John	DHR Blue, Red Buffers	£602
Clarence	Brown, R/C, Insulated wheels	£1,710
Lilla Maroon	R/C Insulated Wheels 32mm	£1,809

On Order
Lady Anne Due Jan 2020
Billy Due Aug 2020
Lilla Due Aug 2020
Silver Lady Due Aug 2020
Russell Due July 2020

Please note all loco's 'on order' can be altered to your own specification requirements. Deposit of only £200 required

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 Coach (32mm/45mm)	911201BL	£55.00
Log Wagon (32mm/45mm)	911501	£55.00
Goods Van (32mm/45mm)	911101	£55.00
Guards Van (32mm/45mm)	911001	£55.00
Coal Wagon Grey (32mm/45mm)	911505	£55.00
Coal Wagon (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)	909011	£200.00

SLATERS

Festiniog Railway Ashbury First Class 4-Wheel Carriage Kit	16C01	£73.50
Festiniog Railway Third Class Ashbury 4-Wheel Carriage Kit	16C02	£73.50
Dinorwic Slate Wagon Kit	16W01	£20.00
Festiniog Railway 2 Ton Braked Slate Wagon Kit	16W03	£26.60
Festiniog Railway 2 Ton Unbraked Slate Wagon Kit	16W04	£25.40
War Department Light Railways K Class Skip Wagon Kit	16W06	£20.00
Dinorwic Quarry Slab Wagon Kit	16W08	£25.50
Dinorwic Quarry 'rubbish' Wagon Kit	16W09	£25.50
Slater's Mek-Pak	0502	£5.00
Slater's Mek-Pak Brush	0505	£3.70

DSW

Upgrade Cylinders	DSUPCYL	£72.00
Ceramic Gas Burner Set	DSUPGBS	£90.00
Three Wick Meths Burner	DSUP3WMB	£45.00
Dead Leg Lubricator	DSUPDLDL	£28.00
Steam Regulator Kit	DSUPSRK	£38.00
Small Brass Chimney Cowl	DSENSMCWL	£4.50
Brass Cab Hand Rails	DSENCH	£4.20
Brass Side Tank Hand Rails	DSENSTHR	£5.20
Brass Smoke Box Hand Rails	DSENSBXHR	£12.00
Cylinder Covers	DSENSCYV	£12.00
Brass Sand Boxes	DSENSBX	£12.50
Brass Tank Tops	DSENWTT	£9.40
Lubricating Oil	SWLUB30	£3.00
Meths Burner Wick	DSWWK6	£1.90
Curve Tipped Syringe	DSWCTS	£2.10
480 Steam Oil 500ml	DSW480SO500	£5.50
220 Steam Oil 500ml	DSW220SO500	£5.50
Solid Fuel Tablets	09001	£3.50
Water Filler Bottle	DSWWFB	£4.00
Meths Filler Bottle	DSWMFB	£3.00

Set-a-Curve

Available in 32mm and 45mm
with a wide range of Radii

£15

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



facebook

twitter

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

Call us: 01622 793 700 or send an email to sales@dream-steam.com

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

GARDEN Rail

Incorporating GARDEN RAILWAY WORLD
Issue 302 • October 2019

Publisher: Steve Cole

steve@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

Allison Mould

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

Production: Pat Price

Email patp@warnersgroup.co.uk T: 01778 391115

Advertising Designer: Amie Carter

Email amiec@warnersgroup.co.uk

Marketing Manager: Carly Dudge

Email carlyd@warnersgroup.co.uk

Columnists: Mark Braine, Ben Bucki, Mike Duffy,
Lloyd Edwards, Steve Howard, Mark Thatcher, Dave
Skertchly, Ray Waters, Callum Willcox,

Cartoon: Barbara Martin

www.warnersgroup.co.uk

©Warners Group Publications plc 2019

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,

Nerima-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 Annually)

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.garden-rail.co.uk

www.warners.gr/gardenrailrenewals

Back Issues

T: 01778 391180

subs@warnersgroup.co.uk

West Street, Bourne, Lincolnshire PE10 9PH

Contents

IN SHOP • DIGITAL • MOBILE • APP

- 4** VIEW FROM THE END OF THE PLATFORM
- 6** BLAGDON & BUTCOMBE LIGHT RAILWAY
Callum Willcox
- 16** SOMETHING ABOUT TRAMS
Mark Braine
- 22** MAKING AN ALL-WEATHER BUILDING
Dave Skertchly
- 30** CHOOSING MY RELIGION
Mark Thatcher
- 34** A FOUR WHEEL BRAKE VAN FOR HAMBLEDEN
Steve Howard
- 36** STEAMPUNK JABBERWOCK CRANE
Ben Bucki
- 38** RESURRECTING AN LGB GARRATT
Mike Duffy
- 44** YORKSHIRE GARDEN RAILWAY SHOW PREVIEW
- 46** TURNING A FALLER RAILCAR INTO A CROMPTONESQUE DIESEL LOCO
Lloyd Edwards
- 48** SCALE KINGS MAYBE?
Mark Thatcher
- 51** PRODUCT NEWS
- 58** MAILBOX/DIARY DATES
- 62** OUTSMARTING A SMART CHARGER
Ray Waters



Garden Rail: Published monthly by Warners Group Publications

Next Issue: 303

On sale: 17 October 2019



Next Month: We've a vintage theme next month with features on the Rev. Peter Denny's TVLR, a look to see how structure modelling has changed and the Editor builds a kit from the back of the cupboard.



VIEW FROM THE END OF THE PLATFORM



Putting on a show

A few weeks ago, I took part in the Hornby Open Weekend that took place in the, now empty, factory at Margate. I'd been asked by one of the directors to bring along some large-scale modelling as part of my display, and was happy to oblige with a 6ft long table full of 16mm and G scale models.

The visitors weren't your typical model railway gricers, but nearly all families and people who wouldn't normally rush to a traditional show. The chance to see inside the iconic building and also get close to the full-size railway items now stored on site had attracted a wider and more varied crowd.

This was good news as for many, this was the first time they'd seen the sort of models found in **Garden Rail**, especially with the chance to chat to someone who could explain where they came from and how much fun it is to have a small railway in your garden.

One surprise for many was the modest cost of getting in to larger scales. Mind you, when you can buy an LGB starter set for the price of a top-end OO loco, and one company has released a 4mm scale train set with a price a shade under £1000, even a single steam locomotive can look economic. I just don't mention the comments from a certain Mr Gorton that one steam loco usually find itself a friend no matter how much you intend to just have one!

At the same Hornby even was the owner of this month's feature layout – Callum Willcox. Callum is one of those who destroy the refrain that the

The most unusual visitor at Hornby was this Panther Chameleon who normally rode around on his owners hat. He seemed quite happy to swap for our box van though.



hobby is ageing, being many years younger than your Editor. A mere whippersnapper!

He's very active on social media with his own YouTube channel, and not the first to use video to publicise our hobby either. Several of our feature models have been found this way. I'm sure that traditionalists will be horrified, but nowadays, people like to show their models and it's certainly very pleasant to spend time watching

the trains go by on your computer, especially if you are supposed to be working at the time.

We've a couple of usual features this month. Ben Bucki builds a model that is as much art as engineering and fascinating because of this. More traditionally, we take a look at large scale tramway modelling. My father has had an interest in this for years and I know from reading some of the material that it's possible to build a tramcar in exactly the same way as the prototype. After all, they are generally wooden and powered by electricity, just like many of our models.

Happy Modelling. ■

Last month I showed a couple of "ugly" Isle of Man locomotives, so it seems only fair to present a beauty this time. Freshly renovated Sea Lion runs around her train at the end of the Groudle Glen Railway on July. There's not much more space in the full size cab than the Accucraft 7/8th scale version!



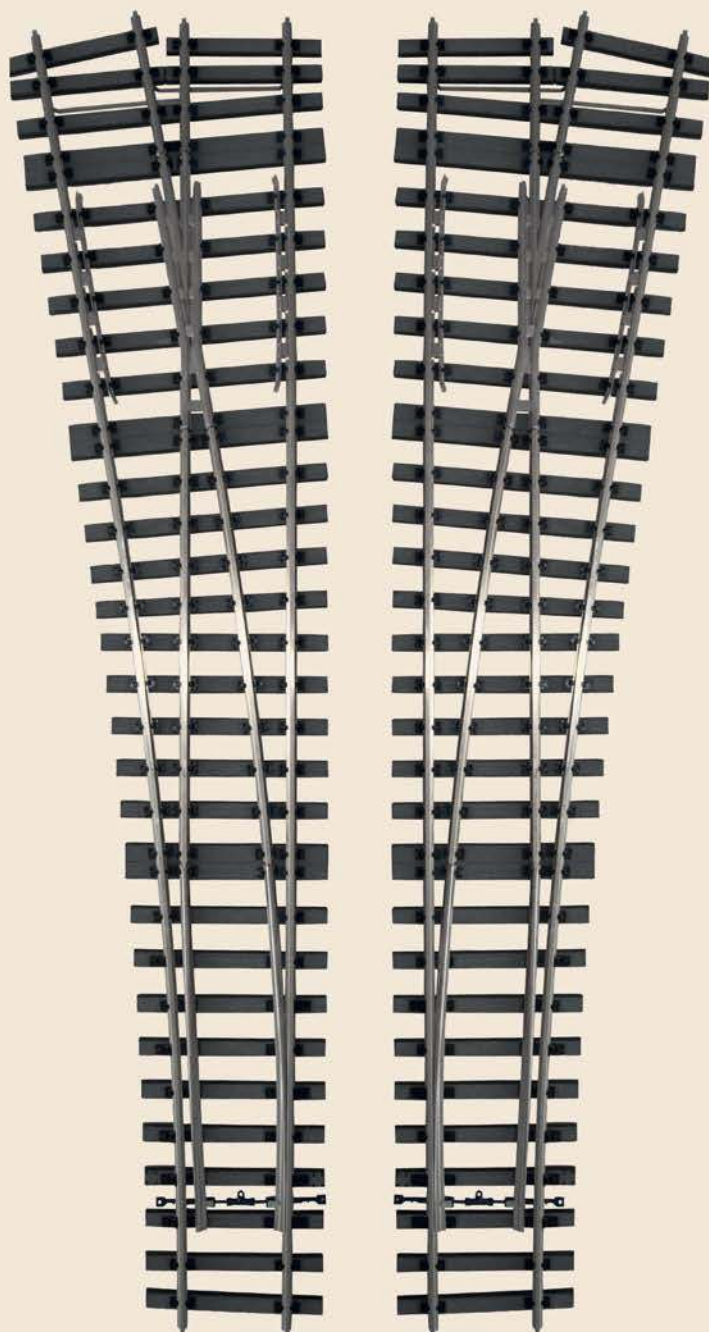
KM1 track system

now
available!

KM1

Models from Modellers!

For indoor and outdoor



Steel design sleepers



With our steel sleeper tracks, you get an interesting, prototypical, alternative to the usual wood design sleepers.

Wood design sleepers



The wood design is a good choice for all gauge 1 layouts, for indoor and outdoor use.



- prototypical structure
- realistic look without reworking
- UK made Nickel-Silver rail profile (CuNi 18)
- Rail joints made of stainless steel (4VA)
- UV stabilized sleepers (PA6)

Made of UV-stabilized polyamide, our plastic track is suitable for outdoor use and is weather proofed. It is available in the usual radii, track switches and straights up to 3 m in length. The rail profile height is 4.98 mm.

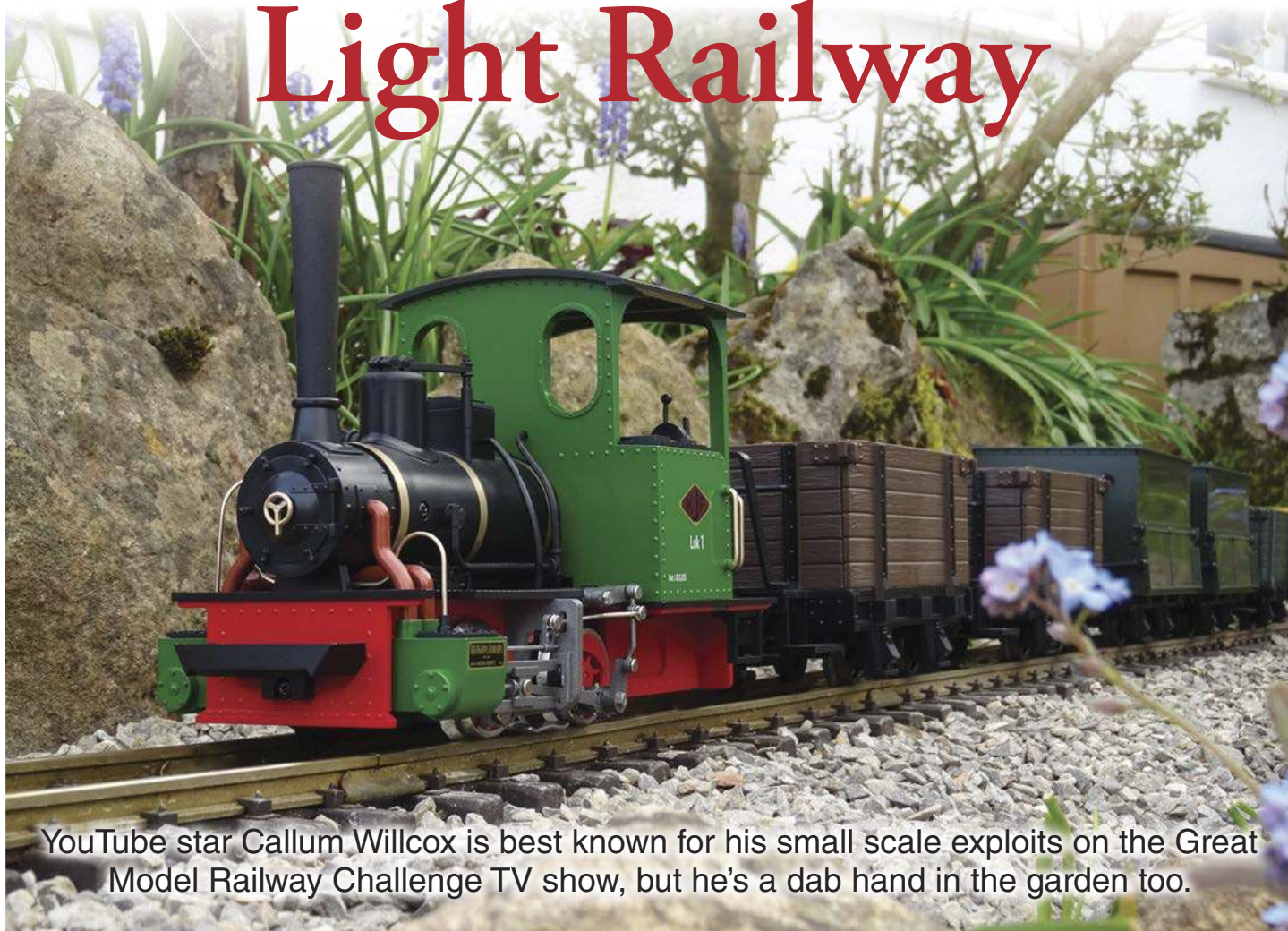
You need individual manufactured curves for your layout? Please do not hesitate to contact us.

KM1 Modellbau e. K. • Ludwigstraße 14 • 89415 Lauingen / Germany

Phone: +49 - 9072 - 922 670 • Fax: +49 - 9072 - 922 6722 • info@km-1.de • www.km-1.eu

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: KM1 Modellbau. All rights reserved.

Blagdon & Butcombe Light Railway



YouTube star Callum Willcox is best known for his small scale exploits on the Great Model Railway Challenge TV show, but he's a dab hand in the garden too.

INTRODUCTION

My first encounter with G Scale was when I was around 9 Years old. We often had family trips down to the Devon Coast, such as Seaton and Beer. On one of these occasions we came

across a model shop, called Buffers, near Axminster. At the time the store had a wide selection of LGB and other Large Scale items, with a sky track which ran around the shops walls. As you can imagine, seeing such large models in action really caught my imagination. However it would be at least another ten years, before my garden railway Story would really begin.

THE LAYOUT

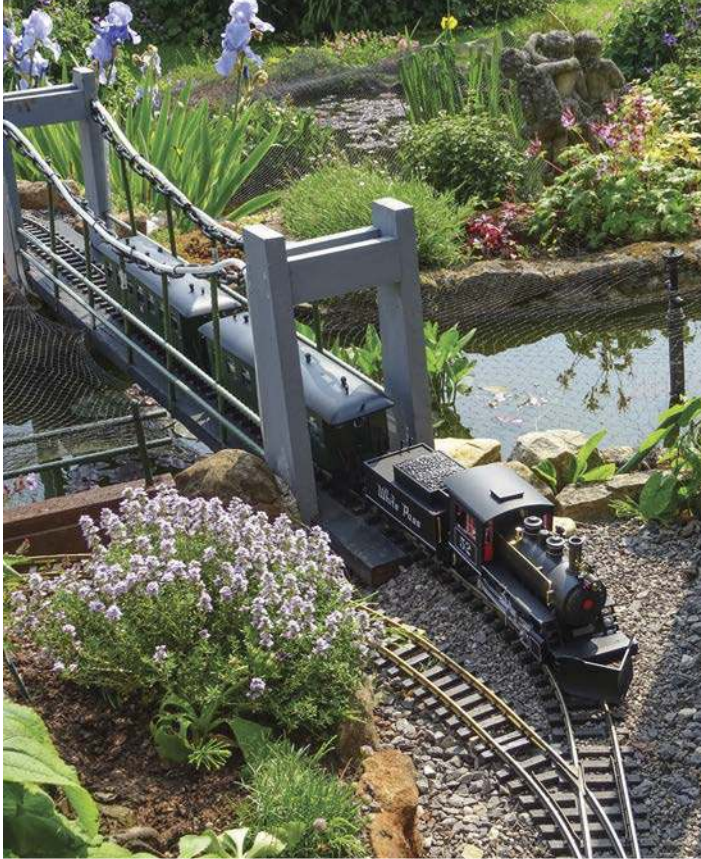
My venture into the Garden came about after experiencing a number of hot spelling during the summer back in 2015. The hot weather meant it was too hot to work on any of my 00 projects in the loft, my mind once again turned to thinking about a railway in the garden, and I started looking up LGB G scale starter sets.

After consulting the gardener (my grandfather John), I was surprised to be given the green light for a railway, in a small area near the pond. My initial idea was to build a small railway in the nearby flower bed, however when my grandfather then suggested that we should incorporate the pond our ideas really started following.

The layout originally started out as a basic loop around and over the pond,



LGB corner with an O&K loco alongside a couple of Stainz.



via a home-made suspension bridge, featuring a small station with passing loop and a pond-side siding. However, the following year an extension was adding, incorporating another part of the flowerbed, featuring a second siding, which almost doubled the size railway.

THE BLAGDON & BUTCOMBE LIGHT RAILWAY

The name Blagdon & Butcombe Light Railway or B&BLR for short, is based on two local villages, in which my grandparents grew up and meet. The villages are on shores of Blagdon Lake, which supplies water to surrounding area Bristol, and grandfather's side family have also connection played a causal roll in the lakes construction

and history. I though name would suit the garden railway well, with the pond acting as part of the lake.

Of course this is B&BLR is complete factious railway, however, after purchasing an LGB O&K 0-4-0T, turned out to have a bit of truth to it! My grandfather recalled as a boy, that were was once a narrow gauge construction railway, which was built to aid the construction of the lake. After the lake was finished, it was then briefly used by the water works to maintaining the site, before the track was removed, and the little steam engine was abandoned in a hedge row near the entrance to the lodge. He only remembers seeing it once or twice before it disappeared, during the mid-

Top Left: The Mogul crossing the suspension bridge. This is based on a scaffolding plank and has recently needed significant work as while cheap, these aren't very well protected from the elements.

Top Right: My Accucraft Caradoc passes the lighthouse. This loco has been fitted with radio control as it's a bit lively on my sharp curves to leave to its own devices.

Above: Bachmann L&B loco passing through Valley View station.

40's, most likely for scrap metal. I've tried doing some research for info on this lake railway, but so far have found nothing, but still the story is a very interesting one.



The facilities at Valley View station are a bit basic – I've been too busy to build anything bigger!



LGB Feldbahn diesel with a suitable train of short wagons circles the pond. Like most of my locomotives, this has been the star of a video my YouTube channel.

CONSTRUCTION

This was our first time at building a railway in an outdoor environment, so everything was new to us. After studying a number of forums and websites for the basics, such as track laying and general maintenance, we got started.

One condition for the build was that railway could be removed and the garden restored to its original format

if need be. This meant a concrete base would be out the question.

After a bit of testing, we found an excellent solution for laying the tracks. We first dug out a few inches of soft soil from beds, removing bulbs and other weeds from planned route as we went.

The exposed area was then covered with a weed net, before being re-filled with sand and chippings for drainage.

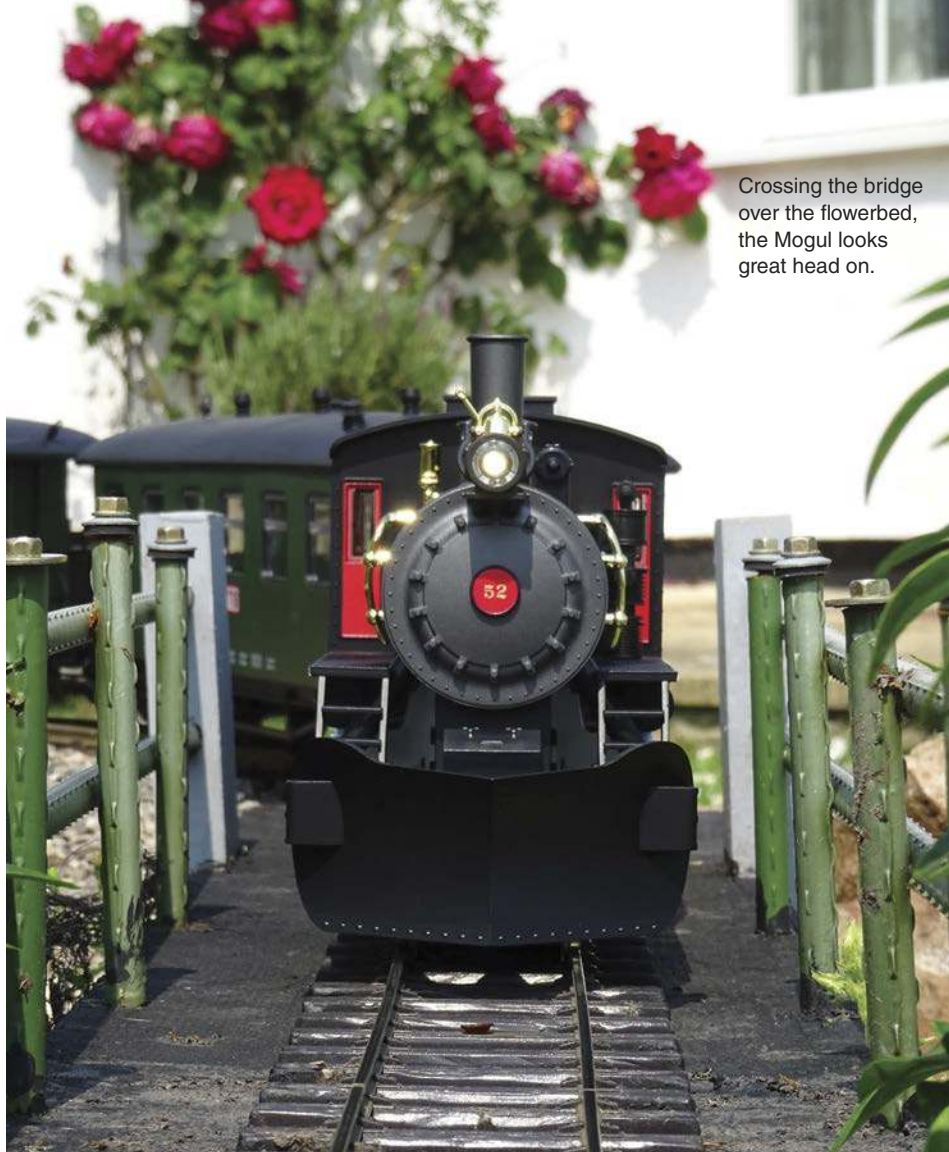
Into this we then hammered a number of wooden stakes at intervals, which were levelled and the track (a mixture of LGB, Piko and Peco) was then screwed to the top. The track bed was finally cover with loose fine chipping, acting as ballast.

EMBANKMENTS & CUTTINGS

As the flower beds on which the railway is based on is on a slight slope, a number of cuttings and embankments have had to be created to keep the running line as level as possible. One of the biggest construction projects of the build, was creating the embankment between the two bridges. This section of the flowerbed had to be raised by nearly 2ft! This was achieved by building a rockery, filled in with loose material, into which the supports for the track were hammered in.

On the other side of the pond, and

Some of the track needs regular work as despite our best efforts, the soil is home to some pretty, but invasive, plants. The chippings used for ballast have gradually compacted in the rain and need topping up, but at least this provides a solid base for the track.



Crossing the bridge over the flowerbed, the Mogul looks great head on.





on the extension this was a slightly different story, as the flowerbed, was higher than the running line. For this we dug out a number of cuttings, lining them with rocks and garden borders, before planting a number of small shrubs, to bring it all to life.

BRIDGES

The most iconic feature of the B&BLR, has to be the suspension bridge, which crosses the pond. This home-made bridge, build by my grandfather, has a span of just over 1.5 meters. The deck is an old scaffold plank, with two timber towers at either end, while the supports and railings created from plastic coated gardener's poles. Once the bridge was in position, I also added lighting, which runs along the chains and under the deck, as you can imagine, this really is a sight during late evening running.

As well as the suspension bridge, there's also a second bridge, which crosses the flowerbed in front of

My pair of LGB Stainz. All G scale layouts have to include one of these in the fleet.

"Lyn" heads to the suspension bridge with a pair of Newqida bogie coaches.



the pond. This bridge is of similar construction, all though to a more conventional bridge design.

MOTIVE POWER & ROLLING STOCK

The railway has a real mix of motive power, including battery and track-power models, as well as the recent

addition of two live-steam locomotives.

The track-powered fleet consists of a number of models from Manufactures such as LGB, Bachmann and Piko, and include locomotives such as the classic Stainz, Baldwin 2-4-2T "Lyn" and White Pass 2-6-0 Mogul.

Many of these models are sound fitted, with functions operating via track



Eamont climbs the slight gradient by the lighthouse.

The snowplough isn't really needed today as the Mogul passes the pond.



We do run in the snow though, as this picture of Konrad shows.

magnets. Battery locos consist of the Playmobil radio controlled diesel, which is very handy for quick running sessions for when young family member visit, plus the controversial Newqida 2-6-2T, which was an impulse purchase.

Live-Steam is quite a recent addition to the railway, and one that I thoroughly enjoy. My first live steam locomotive was a Regner Konrad. This little geared Locomotive is perfect for the railway, handling the LGB radius 1 curves and point-work with ease.

The second loco to join the fleet, was my Accucraft Caradoc, fitted with radio control. Being a more conventional design of locomotive, I knew it would have to be fitted with radio control, to negotiated curves and gradients on the railway. For me, this

locative has been a real game changer and my often go too engine.

As for rolling stock, like the locomotives, it's a good mix of leading manufactures, some of which has been modified to recreate a more British look. This includes a number of LGB ToyTrain open and van wagons, which have been repainted in B&BLR Grey Colours, as well as a rake of Newqida bogie coaches, which now carry a chocolate and cream livery, giving them a sort of Welshpool & Llanfair Light Railway vibe.

OVERVIEW

As my first venture into garden railway, I feel the layout has turned out quite well. As with many first attempts, there have been things I've

Our Regner Konrad has proved to be perfect for the railway, handling the LGB radius 1 curves and point-work without R/C.



Garden Rail Resource

Buffers Model Railways

Colston Cross, Axminster, Devon,
EX13 7NF

www.buffersmodelrailways.com

Please mention **Garden Rail**
when contacting suppliers.

learned along the way, but there's always been a friendly and helpful community to point me in the right direction and improve on things.

The construction of the layout has been documented on my YouTube Channel SDJR7F88, and features a number of other videos relating to the subject, as well as many of my other model railway antics. ■

The suspension bridge can be illuminated with some light ropes at night.



ANYTHING NARROW GAUGE

www.anythingnarrowgauge.co.uk • 01409 255510 / 07711 387621 • anythingnarrowgauge@googlemail.com

Shop: 6 Bank House, Chapel Street, Holsworthy, Devon EX22 6AR (10:00 to 16:00 Tuesday to Saturday)

Roundhouse

All Locomotives in stock
FREE UK DELIVERY

Jennie: Black, Deep Brunswick Green, Victorian Maroon... from £785*
Little John R/C: Deep Brunswick Green, Victorian Maroon... £602*
Bulldog R/C: Black, Deep Brunswick Green... £634*
Hercules R/C: Black... £550*
HBKD2 0-4-0: Diesel Chassis kit... £140*
HBKD3 0-6-0: Diesel Chassis kit... £160*

Pre-lined locomotives

Billy R/C: Victorian Maroon Lined... £1585*
Hercules R/C: Victorian Maroon Lined... £590*



Peco SM32, G45 & G1 Track

NEW SM32 Buffer stop kit £5.00*
SM32 SL60012xflexi track £109.50*
SM32 ST60530" radius curves £48.94*
SM32 ST60738" radius curves £48.94*
SM32 60" radpoints L,R,Y £47.50*
SM32 38" radpoints L&R £46.70*
G-45 SL9006xflexible 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



NOW IN
STOCK

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 UK DELIVERY on all new locos *PRICES MAY VARY

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



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

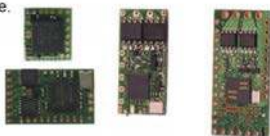
An on-board battery and R/C receiver frees your locos and trains; no more time wasted cleaning track and pickups. Run your layout without track power - no need to insulate turnouts and no messy wiring.

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 here.



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 your needs.



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.



OMNI radio
12 Function
handsets now
available for DCC,
DC and live steam.



Home of Peter Spoerer
& Timpdon Electronics

TEL: 01254 814675

Email: sales@fosworks.co.uk

Website: www.fosworks.co.uk

Our compact long-range 2.4GHz handsets start at just £58 and can control any of your models



Our Cobra speed controllers (ESC) are packed with features including adjustable inertia, 3 power curves and one button set up, for super smooth and silent high frequency control from 3.6v to 28v and up to 100W Power. Works with ALL makes of radio control and all brushed motors. From £29.50

We offer everything you need to radio control your model and add sound, including the very best quality DCC sounds. We can also carry out the conversion for you, including live steam.

Where we provide a kit for you to install, it is Plug and Play as far as possible and fully tested before we send it to you.

Mylocosound
Only £59

Very effective and popular choice for all 55 x 33 x 11 mm types of model. Steam, diesel, electric and Light diesel available.



Call me, Steve Foster on 01254 814675 for advice on all of the above, or see our website.





THE GAUGE ONE MODEL RAILWAY ASSOCIATION



Just imagine the thrill, spectacle and sound of a large scale 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, GIMRA — the 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. GIMRA layouts are regularly featured at major exhibitions nationwide - check our website events list for details.

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

GIMRA Membership (GR)

PO Box 363, Trimdon Station, TS29 6YU

Tel: 07547 804142

Email: gimra.membershipofficer@gmail.com

Website: www.gimra.com

John Sutton Books & Models

Specialist in Industrial and Narrow Gauge Railways

I sell a wide range of new and secondhand railway books and models, particularly related to narrow gauge and industrial railways

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

Just arrived in stock

Roundhouse New Diesel Hercules in 3 colours

Accucraft Kerr Stuart Wren in 4 colours

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 availability

66 Carhorse Lane, Brockhill, Redditch, Worcestershire B97 6SZ

Tel: 01527 67696 - Mob: 0779 8924575

www.johnsuttonbooksandmodels.co.uk

johnsutton3@sky.com

ALL ABOARD - For Model Train Sales

Friday 27th September & Friday 18th October 2019

Thornaby Auction Rooms at 10.30am



Friday 27th September sale includes further G Gauge LGB, Atristo Craft, USA train and other manufacturers, locomotives, rolling stock and accessories including part two of a Single Owner Collection.

Friday 18th October sale will include a good selection of G Gauge including ex shop stock (watch this space for further details). Also featured will be a Large Scale Clayton Steam Wagon and American part built logging locomotives, plus our usual good selection of other gauge model railway locomotives, rolling stock and accessories.

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**

Items always wanted for our Vintage & Modern Monthly Train Auctions

Vectis Auctions

Fleck Way, Thornaby,
Stockton on Tees
TS17 9JZ

Oxford Office

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

Vectis

ACCUCRAFT UK LTD

LIVE STEAM & ELECTRIC LOCOS AND ROLLING STOCK FOR GARDEN RAILWAYS

AVAILABLE SOON! ACCUCRAFT'S TWO NEW GENERIC LOCOMOTIVES IN 1:19 SCALE

Talgarth the tank engine and Sabrina the saddle tank are on their way! Both are freelance locomotives with design inspirations from Manning Wardle aimed at providing a robust, entry level model which is easy to maintain and operate. Although the design is still outside-framed it now has the sophistication of simplified Walschaerts valve gear and slide valve cylinders for a smoother performance and enhanced delivery of power. As before, we will also be offering the power unit (complete with boiler) as an ideal starting point for those who might wish to scratch-build their own body in 1:19 or even 1:13.7 scale.

The locomotive is internally gas fired with a centre flue boiler. The model is gauge adjustable from 32mm ('O' gauge) to 45mm ('1' gauge) and has insulated wheels as standard. The axles run in bronze bearings and all the rods and valve gear are manufactured from stainless steel. The cab roof flips up and over sideways to give access to the cab controls. The boiler is fitted with a water gauge. The model is built from stainless steel, copper and brass. The model will be available black, green and red and the power unit (black only).

UK pre-order RRP £1050.00, post-delivery £1095.00.



I.O.M. 'E' Van



I.O.M. 4 Wheel Coaches



L&B Howard Van



L&E Bogie Van



1:13.7 KS Wren 0-4-0ST



1:19 'Dolgoch' 0-4-0T



I.O.M. 'Mona' 2-4-0T



1:32 'Victory' 0-6-0T



1:32 BR Mk1 Coaches



1:32 Oil Tanker



1:32 Mineral Wagon



1:32 7 Plank Wagon



For details of our complete range of models visit our website – www.accucraft.uk.com
ACCUCRAFT UK LTD, UNIT 4, LONG MEADOW INDUSTRIAL ESTATE,
PONTRILAS, HEREFORD, HEREFORDSHIRE, HR2 0UA
TEL: 01981 241380



IP Engineering (uk) Ltd

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



New !

Ffestiniog 16mm Scale No 15 & No 16 Bogie Coach Kits

No 15



16 mm scale Ffestiniog No15 & No 16 Bogie Passenger Coach

This coach runs today on the railway it is built to 16 mm scale and is one of the most detailed kits we have made to date.

The kit is as always laser cut ply construction with brass balcony rails cast door handles cast metal couplings, brass wheel bearings and steel wheels and bogies the kit is complete all that is required is paint, glue and time. The model is available in either 32 mm gauge or 45 mm gauge please state when ordering.

£100.00 each



No 16



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



Jackson's Miniatures

www.jacksonsminiatures.com



The Jackson's Miniatures 'Superior' top up bottle is purposely designed for use with live steam locos. It isn't a converted plant spray. Treat yourself and your loco to the best!

Available with either a large (947ml) or small (640 ml) bottle - **£14.50** each including postage & packing. (Overseas postage charged at cost)



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, Peacemars, Gillingham, Dorset SP8 4EU

tel: 01747 824851

e-mail: info@jacksonsminiatures.com



Home of The Garden Railway

since 1987

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



Join Today!

12 Months of Full Membership Now!

4 Quality Journals and more (worth £20)
Society Calender, free Insurance* plus much more!

www.gscaleociety.com



The Yorkshire Garden Railway Show 2019

Saturday 28th September - Back at Elsecar this year

Elsecar Heritage Centre, Wath Road, Elsecar
S74 8HJ

(from M1 Junction 36 - follow Elsecar Heritage signs)



30+ Traders

Live Steam
Layouts

Refreshments

Adults £5 - Accompanied Under 16s Free!

Saturday 28th September 10:00 - 16:30



A percentage of profits
will be donated to Yorkshire Air Ambulance



The Yorkshire Group of 16mm Narrow Gauge Modellers Limited
www.yorkshire.16mm.org.uk

KENT GARDEN RAILWAYS

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



Available from stock



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



Kerr Stuart 'Wren' 0-4-0T 1:13.7 Scale (7/8th) 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



WD Hunslet Live Steam 4-6-0T-black 32mm £1950.00



'MONA' IOM Live Steam 2-4-0T - Ailsa Green 45mm £1550.00



Manning Wardle 2-6-2T Live Steam Manual Southern Yeo £1850.00



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



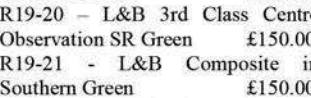
R19-24 IoM 'E' Van - Maroon and Cream or Green and cream £80.00



W&L Pickering coaches brake or composite in chocolate and cream £180.00



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

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.



1:19 Sabrina 0-4-0ST and Talgarth 0-4-0T Featuring simplified Walschaerts valve gear and slide valve cylinders,

gauge adjustable. An ideal starter loco with anticipated delivery late 2019. Pre-order price £1050 rising to £1095.



LGB



27631 Coca-Cola® Diesel £391.00
43359 Coca-Cola® Van £147.00



24141 FRR Loco KJF £293.00
22222 "Emma" Steam loco £225.00



23131 Grizzly Flats Chloe £324.00
30431 Grizzly Flats Coach £89.00



28444 RhB Class Ge 4/4 II "Rhaetia Donation Appeal" Electric with mfx/DCC sound £977.00



26844 IVK Steam Loco, 99 1568-7 with mfx/DCC Sound £879.00



28445 "RhB Club" Class Ge 4/4 II with mfx/DCC sound £879.00

PIKO



38501 Clean Machine GE-25Ton Track Cleaning Locomotive - battery powered £186.00



37230 DR BR95 £725.00



37440 DB BR103 Electric £480.00



37575 BR118 Diesel £395.00



37582 DR BR131 Diesel £411.00



In stock items



Darjeeling B - Darj blue and radio control £2145.00



Jennie - basic series - black £750.00



Hercules - 16mm Battery loco with radio control £550.00



Little John - 16mm Battery loco with radio control - Yellow with striped buffer beam £602.00

PECO



SM32
SL-600 flex track - 12x36" £103.00
SL-E691 Small R/H point £47.00
SL-E692 Small L/H point £47.00
SL-E695 Medium R/H point £47.00
SL-E696 Medium L/H point £47.00
SL-E697 8' Radius Y point £47.00
SL-810 SM32/G1 joiners (24) £4.15

G45
SL-900 flex track-box 6x36" £83.00
SL-995 right hand point £60.00
SL-996 left hand point £60.00
SL-910 rail joiners (18) £4.15

Gauge 1
SL-800 Flextrack-box 12x36" £113.00
SL-E895 R/H Turnout £91.00
SL-E896 L/H Turnout £91.00

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

www.kgrmodels.com

Something About -Trams



We feature garden railways, but should we see more garden tramways? Mark Braine thinks we should and provides a guide.

Of all the branches of our garden railway hobby one, namely trams, seems to have been strangely overlooked in recent years. In a decade trams have rarely featured in the pages of **Garden Rail**, this is a shame as trams have a charm all of their own.

The mainstream garden railway hobby is well served by ready-to-run models, kits and lots of “how to do it” articles which ensure that the newcomer to the hobby is well served, and the many fine layouts featured in the magazine reflect the resources available.

During the 1950’s and 1960’s modellers of trams built to our garden scales were numerous and well documented: the 3/4” scale (1:16)

garden trams of Richard Elliot, Peter Hammond, Leo Taylor and the like, with the well known George Oakley in 5/8” scale, often featured in *Model Railway News*, *Model Railway Constructor* and other model rail periodicals of the day. Today, most tramway modelling is small scale and located indoors, which is a pity, as the garden, as we all know, offers an opportunity to work in the larger scales.

Long term readers of **Garden Rail** might remember “Out of Africa” in issue 247 (March 2015) describing the Arcadia Government Railway, my extensive 16mm/ G45 garden railway here in France. This remains active.

However, I also run trams, both on this and an indoor tramway, 1:24,

running on approximately 40 feet of G45 track. This has been made possible by the fact that my models are battery powered, the overhead wiring system, although modelled, is purely cosmetic. That way, the models get to stretch their legs outside in addition to running on the pure tramway.

Whilst it is true that there isn’t much ready- to-run equipment, Bachmann, under the brand ‘Lilliput’ market a 4 wheeled saloon tram, both those and LGB examples can sometimes be found on eBay. These are built to 1:24 and 1:22.5 scales respectively.

Moreover, it is entirely possible to create trams by scratch building and run them on standard 32mm or 45mm track. My intention is to show how feasible

this really is, and it is entirely possible to create a robust model, using easily obtainable materials and simple tools.

So, although having established the paucity of commercial offerings in large scale, we cannot overlook the excellent OCCRE kits of various prototypes, in laser cut plywood, with numerous metal detailing parts, making up into several European 4 wheel prototypes, including one British model, an LC open top 'B' class (the full sized original is at the National Tramway Museum, Crich).

These kits are the same 1 2/4th scale as my scratch-built models, and are designed to run on the same 45mm gauge track system.

These are not cheap, but are high quality with a skill level required in construction similar to some of the, IP laser cut coach kits. The models are unpowered, but motorising chassis are available (24v) of the Playmobil/Piko variety are available from OCCRE at extra cost. These kits are well worth a look, check with Hobbies Ltd of Norwich, who are the British agents for OCCRE. Hobbies, of course, are a long established woodworking/modelling company who today market a wide variety of models.

But we've established that we would prefer to create our own models in the heroic tradition of scratch-building haven't we? Don't be put off by this concept, as it can be little more complicated than putting together a good quality wood kit. It is also highly rewarding to know you've built a unique model from raw materials.

It is perfectly feasible to create a freelance model, but to do so it will be necessary draw a sketch plan of the general arrangements, and be perhaps inspired by a "real life" example, without slavishly recreating full size. Sometimes, in the garden scales, it is the impression that counts.

My Number 12 is such a car, inspired by the kind of tram which once ran in the North East of the UK. It follows no prototype, yet somehow captures the atmosphere.

Over the last 4 years, I have built several other examples based on real life prototypes. Even then, some licence is necessary, as we garden railway modellers know, instinctively that strength of construction, operational durability, and

Freelance 'Newcastle' style car no.12 running in the garden in France



Grimsby and Immingham no.1 running on the French garden line.

the lack of easily lost, fragile detailing parts are the key to successful long term operation in the garden.

The best source of tram plans is undoubtedly Terry Russell, trading as Terry Russell Trams. I have been buying tram parts and plans in smaller scales from Terry since 1963-and ordering from Australia, too-and can vouch for the quality of his products (usual disclaimer).

Terry lists several hundred plans for numerous tramway prototypes and although I specify 12/4th scale, he will adapt the plans to any scale you may request.

In the second instalment of this article, I shall outline the process of a step by step construction of a tramcar in this scale, using simple tools and materials.

Firstly, it might be of interest to review some of the 'mixed bag' of trams that I have built. Already mentioned is the North-east inspired Number 12. This was the first model constructed, using a plan I drew myself-thus there are some quirky features!

Next, is Grimsby & Immingham Electric Railway Number 1. This was one of the last 'first generation tramways' to close, succumbing in 1961 (the street section in Grimsby was abandoned earlier, in 1956). Always operated by the railways, firstly the Great Central, which built it to serve the docks it had created at Immingham.

Always an interurban tramway (with some railway characteristics), it became part of the LNER at the grouping in



Leeds Railcar no. 602

1924, and finally, British Railways in 1948, who operated it until closure. An unrelated, but perhaps more important detail is that Grimsby is my wife's home town, and she remembers being taken by her grandfather on the final run in 1961.

No excuses, then!

Number 1 is one of the original trams,

in their day the longest first generation trams in the UK. It is powered, like all my models, by a single Mabuchi type motor in one bogie. The components, motor, gears and wheels are sourced from IP Engineering and have proven to be very reliable; the trucks being fabricated from aluminium strip bolted together, faced with dummy truck sides from 3mm MDF. MDF is an important source material in the fabrication of these trams and I will return to this in more detail.

The 3rd tram, using a Terry Russell drawing is the revolutionary (for 1953) Leeds railcar Number 602. Powered by advanced control methodology, using cardan shaft driven inside frame trucks, it remains Britain's most modern 1st generation tram. It lives today at Crich museum, sadly a static exhibit in the Exhibition Hall there.

Constructional procedure is similar to the Grimsby tram and it is similarly powered by an IP motor. I should mention at this stage, that all models are glazed with real glass, as I feel only this can replicate the real thing, I source



Freelance Crossbench car no.5



Left: Belgian 'Vicinal'
car no.10483
(Brussels area)

Above: Brussels
modernised 4 wheeler
car no. 9057

mine from a picture framer who is only too pleased to use up the off-cuts! Glass adds strength, rigidity and overall weight to the model, thereby enhancing its running characteristics. Most of these trams weigh in at 6 – 12 lbs in weight, depending on prototype.

The next two models are Belgian prototypes. First Number 10483 an SNVC (Vicinal) "N" Class metre gauge Brussels area tram, originating in the 1950's. It is a metre gauge prototype (where 45mm track helps – enabling standard and metre gauge trams to run together on the same tracks.)

This is nowhere more apparent in Brussels Number 9057, a rebuilt 4 wheel tram of 1960. Several of these still exist in the Woluwe Tram Museum in Brussels and these were an attempt to re-body older cars. Their 4 wheel

chassis, despite a new modern body, ensured a lively ride!

A further freelance car, a cross bench four wheeler is, again, created from MDF, the intricate parts necessary are a challenge to cut from MDF! Its prototype is vaguely Manx (although 4 wheeled) or possibly a Portuguese Brill type car, even with its skeletal build, the weight is considerable which aids running.

In addition, there is a works car, freelance, but similar to those which once operated in Melbourne, Australia; its purpose in real life was to flush with water the often unmade streets, or in more modern times, to "flush out" the track grooves and point mechanisms. Its main claim to fame is a "water tank" fabricated from a piece of plastic drainpipe!

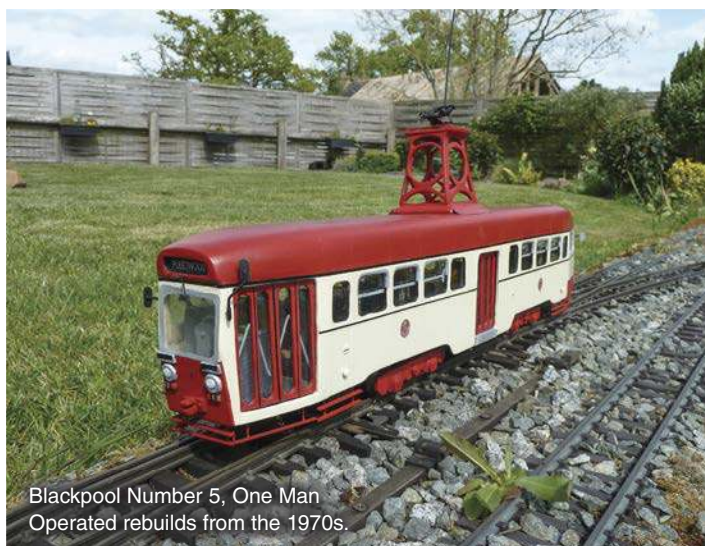
The most recent model, just

completed is an extremely long Blackpool Number 5, one of their celebrated rebuilds in the 1970s, creating 13 one-man-operated trams to reduce crew costs (especially in winter when the tram service is sparse).

These were rebuilt English Electric "railcoaches" from the 1930's and, using a 1970's Government "OMO" bus grant, were created at low cost. They gave sterling service for nearly 20 years and undoubtedly "saved" the tramway during a difficult period. Two exist today, one kept at Blackpool, the other (in store) at Crich Museum.

One of the problems with these cars, a feature replicated on the model, is that although greatly lengthened to accommodate a front entrance, the bogie centres remained as originally installed in the "railcoaches". Hence, after several years the ends began to droop and the bodies started to work loose, contributing to their demise in the 1980's.

Works car 5W, a freelance water carrier based on an Australian tram.



Blackpool Number 5, One Man
Operated rebuilds from the 1970s.

Bachmann/Lilliput 4 wheeler. This car extensively modified with IP Engineering based chassis and battery conversion. Included here for comparative purposes- the only 'commercial' model I own.

This model is extremely heavy, weighing in at over 14lbs, but still within the capabilities of the single motor. It runs well, both on the indoor tramway and the outside track also.

A word about power: as already explained, these are battery trams, the overhead, although used, is for appearance only. No speed control is fitted, a simple on/off/reverse DPDT switch suffices; the weight and sheer mass of the bodywork gives a tram-like steady speed.

IP motors are designed to run on 3-4 volts, a low voltage, but the torque of these motors is enough to give adequate traction. On the outside track, the trams operate around a large circuit and can be left unattended, to circulate steadily. Inside, a 40 feet run gives sufficient space for an out and back operation, with direction changes at each terminal.

Here then is, I hope, suitable raison d'être to give tramway modelling a try: there is much in common with



railcar building in say, 16mm scale and you will have the pleasure of creating something unique to you – there a lot of similar looking railways out there (including my own) using proprietary components – why not try something different?

I will examine building methods, both for the trams themselves and their infrastructure, such as overhead next month.

Of course, it is perfectly feasible, as mentioned at the beginning, to run these battery powered models without any overhead wires at all on your garden layout, just like some modern battery powered trams, such as those in Birmingham. ■

Garden Rail Resource

Hobbies Ltd

Units 8B – 11, The Raveningham Centre, Beccles Road, Raveningham, Norwich NR14 6NU
www.alwayshobbies.com

IP Engineering

Spilsby Road, New Leake, Lincolnshire, PE22 8JT
www.ip-engineering.com

Terry Russell Trams

23 Thorn Den, Cowfold, Horsham, RH13 8AG
www.terryrusselltrams.co.uk

Tramway and Light Railway Society

TLRS Membership Secretary, 29 Kennaway Road, Clevedon, Somerset, BS21 6JJ
www.tramwayinfo.com

Please mention **Garden Rail** when contacting suppliers.

On the indoor tram layout, a depot view with works car 5W.





ELLIS CLARK TRAINS

Unit 1 Toller Court
Shortbank Road, Skipton
North Yorkshire BD23 2HG

WANTED

VISIT our
O GAUGE &
LARGER gauge
SHOWROOM

LOOKING TO SELL YOUR COLLECTION?

WE HIGHLY VALUE YOUR MODELS

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

GET IN TOUCH

ellisclarktrains.com

01756 701451

ellis@ellisclarktrains.com

CONTACT ELLIS OR ALBERT



Making an all-weather building



Finding that buildings require a lot of storage space Dave Skerchly continues his quest for the perfect all-weather building.

Crash, bang, rumble rumble, “what’s that Dad?” rumble rumble “it’s an old tram station” rumble crash wobble. We hurtled off the old wooden decked Rother bridge. Dad had been looking forward to the twisty road between Rye and Camber Sands and had his foot on the floorboards. Never mind that the old Austin ten was

loaded up with 3 adults, 3 excited boys, picnic food sufficient to withstand a short siege and two equally excited dogs, one of whom was, I recall, a rather large, rather smelly Old English sheepdog called Fluff. This was my introduction to the Rye and Camber Tramway, but it was to be fifty years before my questions were finally answered.

It was chaos on the Vale of Weedol Tramway while local Government contractor Invidious PLC got on with construction of the new station at Llatireggub. Is that a corpse we can see in the skip?

Revelation was delivered in a rather small, Roneo printed booklet with murky photos, furthermore this literary gem was also my introduction to Colonel Stevens and his cheapskate railways. The first station building on the Vale of Weedol Tramway was a model of that very tram station. It was scaled from a murky screened print, and the corrugated iron recreated with corrugated cardboard on a hardboard core.

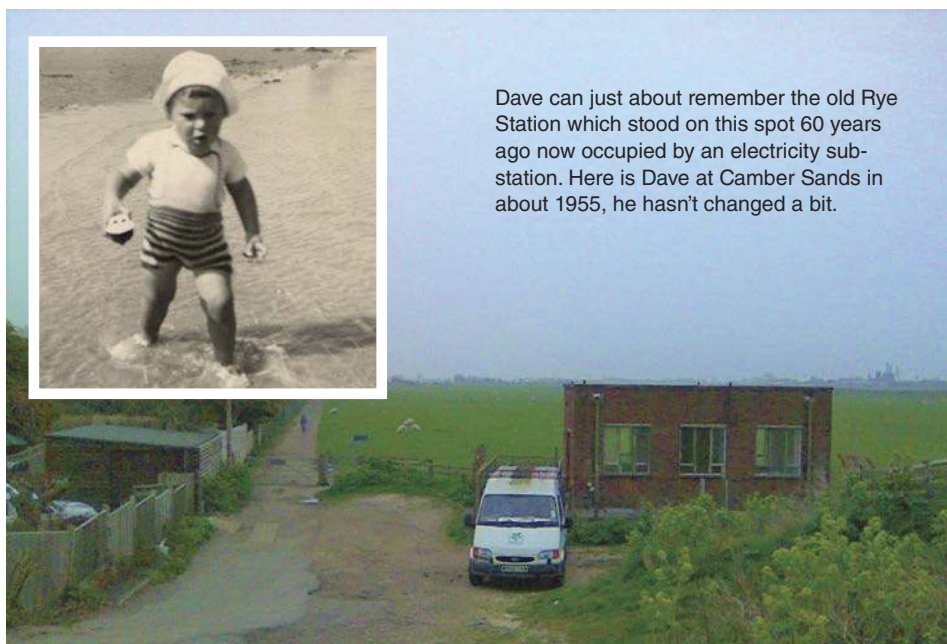
With just two buildings my storage capacity was exhausted, and it was evident that larger buildings would in future have to remain outside. Despite examining the late and sainted Peter Jones’s brave efforts at weatherproofing



The first ever Llatireggub station was inspired by Dave’s childhood holidays with his family at Camber Sands and seeing the long since demolished Rye Station.



Dave can just about remember the old Rye Station which stood on this spot 60 years ago now occupied by an electricity sub-station. Here is Dave at Camber Sands in about 1955, he hasn't changed a bit.



plywood buildings by scorching them with a blow torch, there seemed to be no option but weatherproof materials. The buildings would have to be sufficiently rugged to resist the wildlife, including next door but one's notorious Tom Cat (see GR passim).

The parts were drawn out on hardboard to make what is called in the industry a "soft" tool which is not intended to last. It took a while to get used to doing everything in mirror image and reverse texture. There were endless modifications where I forgot to make things in reverse but with persistence I succeeded.

I rather wanted to achieve a model building which had a wall texture approximating to one which is built using quite large granite or slate blocks with rounded edges. A full-scale example from a barn near Coniston in the Lake District illustrates the effect I wanted. I created the lines of pointing using a small glue gun which formed a raised line which would become a depression in the surface of the part once moulded.

In retrospect I think I could have been more ambitious and gone for even finer blockwork. The surfaces were filled with low cost interior grade filler and water-



The parts were drawn out on hardboard. Notice the modifications where Dave forgot to draw them back to front.

Above: Applying the glue using a small glue gun to the lines of pointing between the blocks. In retrospect these could have been even finer defining even smaller blocks.



Left: Having applied the glue lines to simulate pointing, the surfaces were filled with low cost interior filler and low-cost water-soluble emulsion paint. A polyvinyl alcohol release agent was also applied.



Above: The first off part was poor, there seemed to be lots of things wrong. Dave tried filling the defects, but it was no good the pattern and part had to be remade.



Dave worked out that for his full programme he would require 11 roofs. A roof section sized to match the largest planned building was made up from slates cut from mounting card stuck to hardboard and cast in silicone rubber.

soluble emulsion paint which dissolves in water. A polyvinyl alcohol release agent Llewellyn Ryland RA10 from MB Composites which is also water-soluble was applied.

This is not an instructional article but if you decide to have a go it is important to read the health and safety data provided by the supplier. Wear blue nitrile gloves from easy Composites when handling resins and note that it is vital to measure the correct ratio of resin and hardener, too much hardener or too large a mix and the resin will catch fire, too little and it will not cure. I use a digital kitchen scale to measure out the materials, but not Pauline's scale from the kitchen you understand.

The resin and hardener are mixed in the base of polypropylene milk bottles. The filler is a silcate so wear a face mask when mixing and ideally, work outside. The moulded part will have sharp edges so wear heavy gardening gloves and by the way it is well worth wearing a face mask and safety glasses when trimming and cutting.

Right: This is not an instructional article but if you decide to have a go it is important to read the health and safety data provided by the supplier. Dave uses a digital kitchen scale to measure the resin and hardener which are mixed in the base of polypropylene milk bottles.



A layer of resin was applied to the tool and allowed to partly cure. Another layer containing filler, was applied then three layers of glass fibre and resin. The patterns/tools did not survive.



The completed sections were bonded together with exterior adhesive, and reinforced with strips of glass fibre and resin.



The first attempt at a part was poor, there seemed to be lots of things wrong. I tried filling the defects, but it was no good the pattern and part had to be remade.

This time a layer of resin was applied to the tool and allowed to partly cure

The chimney pots were made from two pieces of plastic tube with grooves machined around the top edge glued into a piece of scrap glass fibre laminate.





Patterns for the door and window were made up from plywood and free coffee stirrers. Tools were cast from silicon rubber for the doors and windows.

then another coat of resin containing Fillite silicate filler powder from MB Composites, was applied. Three layers of 600 gsm glass fibre and General laminating resin with 1-2% MEKP catalyst from Easy Composites were then applied. The parts came out reasonably well with just a little extra filling.

For my full building programme I would require 11 slate roofs so I decided to invest in a silicone rubber tool. A roof section, which was sized to match the largest planned building, was made up from mounting card slates stuck to hardboard. The roof pattern was filled with thinned filler, taking care to ensure there was no loss of slate definition. It was then sealed with sanding sealer and painted with grey primer.

The mould was cast using CS25 Condensation Cure Rtv Silicone Rubber from Easy Composites although I prefer Polycraft GP-3481-F Silicone rubber from MB Fibreglass which is softer and a pretty pink colour. The roof sections were made from the now standard laminate of resin/filler and 3 plies of glass fibre.

The completed sections of the building were trimmed and bonded together with exterior grade adhesive from Kingfisher International Products but bought from B&Q hardware stores

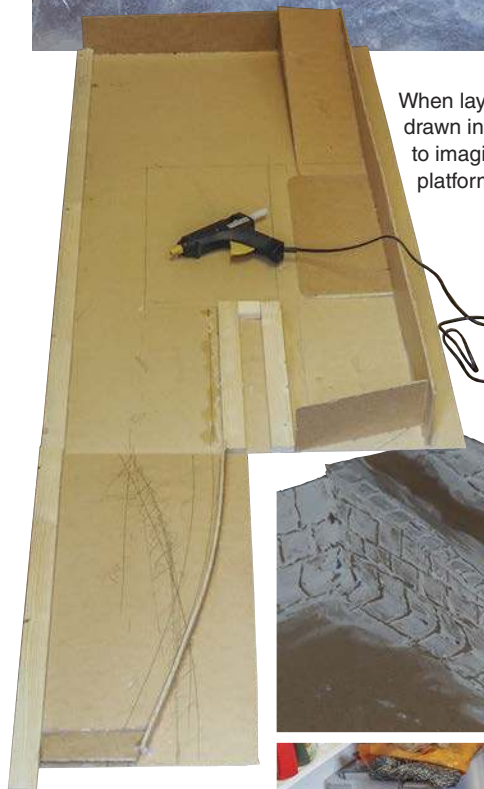
The glass fibre was finished with damp proof silicone paint and finished with Dave's own mix of exterior paint. The dried paint was rubbed back with a scouring pad.



The double door to the booking hall is modified from a pair of door mouldings, Dave needed eight windows and three doors for the station building.



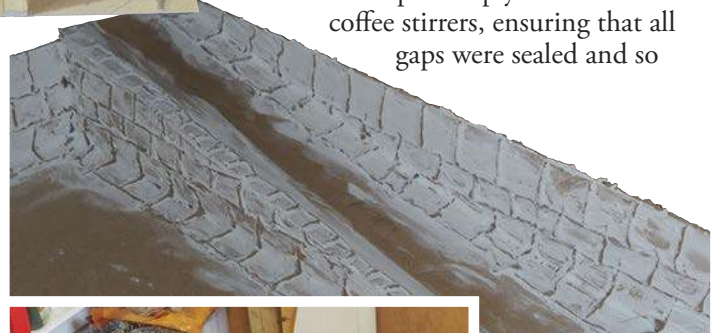
The quaint edge of the canopy was cast using polyurethane resin into a plasticine mould laid on a sheet of aluminium. The brackets too were cast into plasticine moulds.



When laying out the station platform pattern, it had to be drawn in reverse which can be mind blowing. A good trick is to imagine it upside down. Work starts with building up the platform edges and the solid block walls.

and then the joints reinforced with strips of glass fibre laminate.

I found I had to make made 8 windows and 3 doors for the station building alone so tools were required. Patterns for the doors and window were made up from plywood and free coffee stirrers, ensuring that all gaps were sealed and so



Above: The solid block retaining walls are designed to match the retaining walls of other features on the railway. The kerbstones and platform edges are to the smaller pattern used for the station building.

The platform laminated from glass fibre and ready to be remoulded.

the mould came out well. I should have observed real buildings more carefully. My windows are wider than they are tall, like modern windows whereas the old windows were taller presumably to aid the alignment of the sliding sash.

I had intended to make the windows and doors from translucent polyurethane resin which would simulate glass however I found he only had opaque materials in stock and was not in the mood to spend more money. The opaque polyurethane was Xencast P2 from easy composites although a clear resin such as Water Clear Polyurethane Casting Resin also from easy composites which would be better but eyewateringly expensive.

I wanted a canopy on my station even though canopies are quite rare on the narrow gauge. That quaint edge was cast in polyurethane in a plasticine mould laid on a sheet of aluminium. The brackets too were cast in plasticine moulds.

The glass fibre was finished with damp proof silicone paint. I had problems getting a grey exterior paint of the right shade and eventually had to mix my own based on a light grey exterior paint and added black acrylic. The paint dried very dark and then lightened over several days. Frustratingly I still didn't not get the right finish until I started to try and rub off the old paint using a pan scourer. I stopped for a cup of tea and when I returned I had exactly the effect I required entirely by accident.

Laying out the station platform tool was again done in reverse. A good trick is to imagine it upside down or even lie underneath it when the neighbours

The foundations for the platforms are made from breeze blocks, bricks and the odd bit of wood.



are not looking, to check that the orientation is correct.

The platform edges and block walling edges were added from scrap materials and then detailed using the glue guns, the small one for the smaller blocks to match the station building and the large one to match the retaining wall blocks. The retaining walls are designed to match the sandstone walls of the bridge design described in **GR294** Feb 2019. The cleaned up platform was painted again with silicone paint, then finished either with sandstone coloured masonry paint or my mixture of exterior paint. The blocks on the platform edge were again scoured to emphasise the texture.

Wooden blocks to hold down the station building were screwed through from underneath

The foundations for the platforms were made up from breeze blocks, bricks and the odd bit of wood which will no doubt rot in time but by then the platform should be well bedded in.

The platform was installed, the

building screwed down and the tracks carefully adjusted levelled and ballasted and I think it looks great. So now for the detailing, but that as they say is another story.

So as I sit on my rustic park bench outside the Sheep Shearers arms I can sip at my pint of Fine Auld Phagbutt and consider just what other wondrous projects I can now make to fill the newly vacant space in my storage shelves. ■

Garden Rail Resource

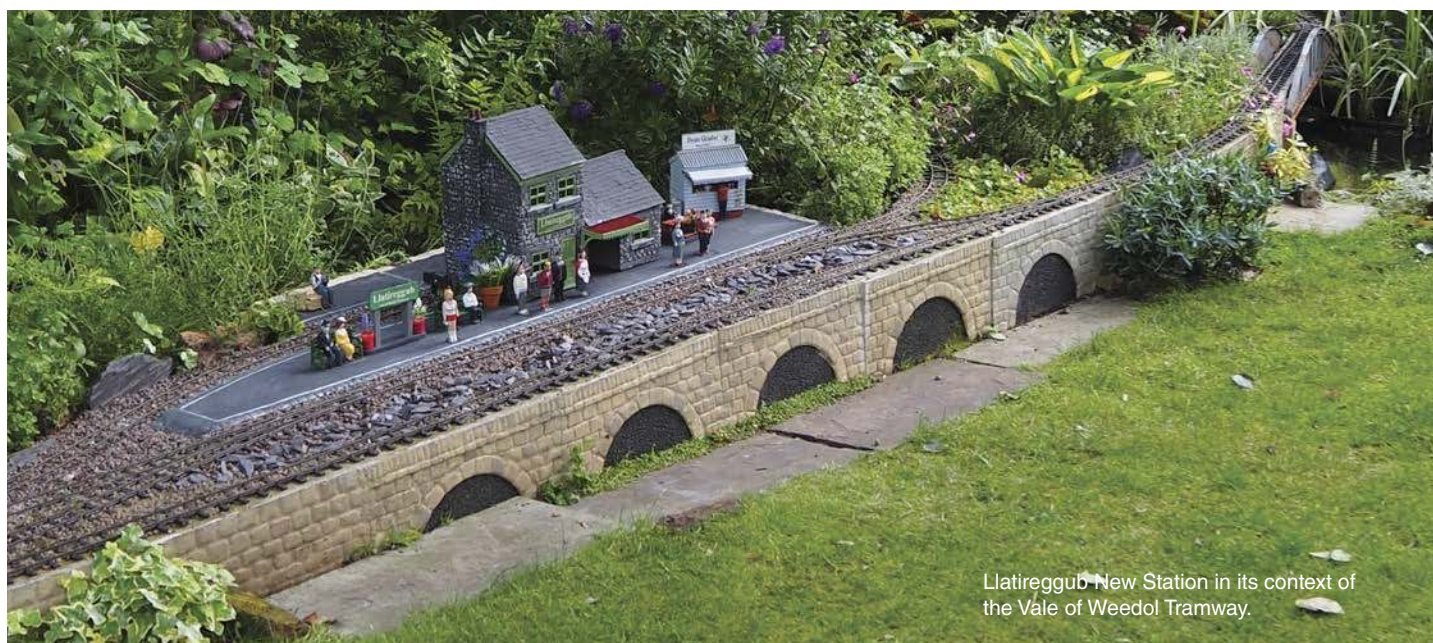
Easy Composites

Unit 39, Parkhall Business Village,
Park Hall Rd, Stoke-on-Trent ST3 5XA
www.easycomposites.co.uk

MB Fibreglass

Units 17 & 20 Abbey Business Park,
Mill Road, Newtownabbey BT36 7EE
www.mbfiberglass.co.uk

**Please mention Garden Rail
when contacting suppliers.**



Llatireggub New Station in its context of the Vale of Weedol Tramway.

Starter Sets



PK37151 GE25t Diesel Industrial Starter Set

Locomotives



PK37222 DR BR24 Steam Locomotive III
(Analogue-Smoke)



PK37240 DR BR50 Steam Locomotive
(Analogue-Smoke)

PK37241 DR BR50 Steam Locomotive
(Analogue-Sound/Smoke)



PK37308 DB VT98 Diesel Railcar III



PK37525 DB BR360 Diesel Locomotive IV



PK37543 HSB BR199 Diesel Locomotive V



PK37575 DR BR118 Diesel Locomotive IV



PK38207 D&RGW 2-6-0t Saddle Tank 31
Steam Locomotive



PK99719D 2019 G New Items Leaflet FREE
PK99709D 2019 G Scale Catalogue £3.95



PK38226 Union Pacific Mogul 1211 Steam Loco
(Analogue-Sound/Smoke)



PK3827 Santa Fe Mogul Steam Loco (Ana-
logue-Sound/Smoke)



PK38503 Santa Fe GE 25t 427 Diesel Loco
(Battery Powered RC)



PK38504 Union Pacific GE 25t 825 Diesel Loco
(Battery Powered RC)



PK38505 PRR GE 25t 924 Diesel Loco
(Battery Powered RC)



PK38506 MOW GE 25t Track Cleaning Loco
(Battery Powered RC)

Coaches



PK37660 DB Bpmz 2nd Class Coach IV



PK37661 DB Avmz 1st Class Coach IV



PK38648 Union Pacific Wood Coach



PK38649 Union Pacific Wood Combine

Wagons



PK37743 DB Eaos Gondola IV



PK37751 DBAG Flat Wagon with 20'
Containers Load VI



PK37924 DB VTG Tank Wagon with
Brakemens Platform IV



PK37925 DR Simson Box Wagon with
Opening Doors IV



PK38763 D&RGW Bulkhead Stake Wagon



PK38764 US Army Flat Wagon with Humvee
Load



PK38765 VWBX Flat Wagon with VW Beetle
Car Load



PK38766 CR Bulkhead Stake Wagon



PK38887 Santa Fe Ore Wagon 2508



PK38888 PRR Ore Wagon



PK38889 Union Pacific Ore Wagon



PK38890 Mighty Hauler Ore Wagon



PK38891 D&RGW Rib Side Hopper Wagon



PK38892 Union Pacific Offset Side Hopper
Wagon



PK38893 Happy Easter Hopper Wagon 2019



PK38895 Santa Fe Warrior Chief Reefer
Wagon 180412



PK38896 Santa Fe Wood Caboose 611217



PK38897 Christmas Wood Caboose 2019



RAILS OF SHEFFIELD

railsofsheffield.com

Corporate members of

**National
Railway
Museum**

WANTED

CASH OR EXCHANGE

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

BUY · SELL · EXCHANGE · ANY GAUGE · ANY AGE

RAILS OF SHEFFIELD VALUE YOUR SECOND HAND COLLECTION VERY HIGHLY

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

FULL COLLECTIONS PURCHASED / UK & WORLDWIDE COLLECTION AVAILABLE

**TOP
GUARANTEED
PRICES
PAID**

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

**FAMILY
BUSINESS
FRIENDLY
SERVICE**



WE ALSO BUY RAILWAYANA

SIGNAGE AND TOTEMS

AND MORE...

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

21-29 Chesterfield Road - Sheffield - South Yorkshire - S8 0RL - UK - Tel: (0114) 255 1436 - Fax: (0114) 255 5982

Email: info@railsofsheffield.com

Web: railsofsheffield.com

[railsofsheffield](https://www.youtube.com/railsofsheffield)

[railsofsheffield](https://www.facebook.com/railsofsheffield)

[railsofsheffield](https://www.instagram.com/railsofsheffield)

[railsofsheffield](https://www.tiktok.com/railsofsheffield)

CAMBRIAN 16mm Narrow Gauge

Cambrian Models is now Cambrian Model Rail Limited. There is a new website with fully integrated online shop. Postage from £1.50.

Loco and rolling stock parts: Rivets, nuts/bolts, handwheels, headlights, coach doorhandles and more...

N43 Coach Door Handles (12) £2.70 N44 Nuts and Bolts £2.70 N45 Brake Handwheels etc £2.10 N42 Centre Buffer (pair) £3.60 N41 Loco Headlight £3.00

Bogies, axleguards, brake gear: Five types of bogie, loco, coach & wagon axleguards; and brakegear.

N41 Talyin Axleguards (4) £3.00 N45 set of 4 Brakeshoe £2.40 N410 Glyn Valley type Brakegear (2) £3.00 N426 Simple Loco Axleguards (4) £4.20

Wheels: Loco and rolling stock wheels.

NW3 24mm Curly spoke (4) £3.00 NW5 21mm Spoked Loco (6) £3.10

Signal parts: Signal parts, signal ladder and brackets.

N51 Signal Ladder (200mm) £2.40 N53 Signal Bracket (2) £3.00

See the website for details or send C5 SAE for catalogue

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

WILSON LOCOMOTIVES

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



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



FROME MODEL CENTRE

Service and quality the way it should be

Established since 1986

QUALITY MODELLING PRODUCTS

We Stock All Popular Brands & More!

Here at Frome Model Centre we offer our customers one of the largest and most diverse ranges of railway modelling products under one roof! We are proud sellers of locomotives, rolling stock, track & accessories in all gauges/scales.

This Month We are Offering Our Customers £35 OFF the LGB G Gauge - 50 Years of LGB Steiff Teddy Bear Wagon!

Pre Order Your **PIKO 108** Releases!



Was £165
NOW £130

This is a model of a gondola loaded with a Steiff Teddy Bear.
The original Steiff Teddy Bear is 23 cm / 9-1/16" long made of soft and cuddly plush, and it wears the LGB anniversary logo on its chest. The side doors can be opened. The car has metal wheel sets.

....Hurry, this offer is for a limited time only!

To take advantage of these fantastic offers, please contact us or pop in store!

While Stocks Last - Offers Cannot Be Used In Conjunction With Each Other - Offers Valid Until October 2019

We offer fantastic prices on both brand new and second hand items, check out a few of the items we offer below:

Locomotives & Rolling Stock	Accessories
38855 - Piko Union Pacific Ore Hopper £55	36110 - Piko Standard Pickup Shoes (2) £6
38890 - Piko Mighty Hauler Ore Wagon £64	10020 - LGB Retailer £23.99
38861 - Piko Great Northern Boxcar £77	10260 - LGB Insulated Rail Joiners £4.99
37953 - Piko DB Wekave Van with Opening Doors III £130	50560 - LGB Double Station Light £38.99
37944 - Piko DB Esso Tank Wagon Brake Platform IV £97	10310 - LGB Track Buffer With Lights £19.99
38502 - Piko Blue Goose GE-25T Industrial Diesel Loco £200	67370 - LGB Bogies Passenger (2) £18.50
48570 - LGB RHB Type Haik-V Sliding Wall Boxcar £180	98200 - LGB Train Harlequin StartSet £134
43813 - LGB RHB Covered Goods Wagon Ep V £135	67419 - LGB Metal Solid Wheelsets (2) £23
42430 - LGB Tipper Wagon Red £91	64407 - LGB Standard Coupling Set £7.99
94063 - LGB Building Block Flat Wagon £44.99	51920 - LGB Hip/Hip Home Signal £115
40552 - LGB Tank Car DR EP 111 £81	
43521 - LGB HSB Baggage Wagon £115	

Service & Repair - Second Hand - Technical Advice

FROME MODEL CENTRE
1-2 Catherine Street
Frome, Somerset, BA11 1DA
TEL: 01373 465295
Fax: 01373 451468
Email: sales@frome-model-centre.com



OPENING HOURS
Tues-Sat: 10am - 5pm
Sun & Mon: Closed



www.fromemodelcentre.com

E&OE



TEE
Publishing Ltd

**SPECIALIST BOOK
SUPPLIER SERVING THE
MODEL ENGINEER**

TOPIC OF THE
MONTH

LBSC'S LOCOMOTIVES



Live Steam
Locomotive Construction
L.B.S.C.'s famous 4-4-0
VIRGINIA

FAMOUS 4-4-0 VIRGINIA
by LBSC
£12.95 +£2.88 p&p

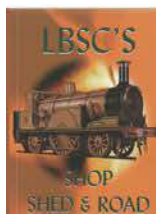
INTRODUCING "BAT AND OWL"
by LBSC
£6.95 +£2.20 p&p



MONA - A SIMPLE 0-6-2
TANK ENGINE

**MONA A SIMPLE 0-6-2 TANK
ENGINE** by LBSC
£5.95 +£1.75 p&p

PRINCESS MARINA
by LBSC
£4.95 +£1.75 p&p



LBSC'S
SHOP
SHED & ROAD

SHOP SHED AND ROAD
by LBSC
£15.95 +£2.88 p&p

HOW TO BUILD "EVA MAY"
by LBSC
£4.95 +£2.20 p&p



GIRTON
A Southern 4-4-0
for Gauge One

HOW TO BUILD "GIRTON"
A SCHOOLS CLASS
LOCOMOTIVE FOR GAUGE 1
by LBSC
£3.95 +£1.75 p&p

by LBSC

UK postage only. Overseas please enquire.

WE ALSO STOCK BOOKS COVERING:

- Boilermaking • Casting & Foundry Work
- Clockmaking • Electric Motors
- Garden Railways • Marine Modelling
- Hot Air Engines • In Your Workshop
- Lathe Work • Model Engineering
- Model Steam Locomotives
- Model Steam Road Vehicles
- Standard & Narrow Gauge Railways
- Tractors & Stationary Steam Engines

SEE OUR WEBSITE FOR FULL DETAILS

ORDER NOW

www.teepublishing.co.uk

f TEEPublishingLTD CALL 01926 614101 @TEEBookshop



**MIDLANDS
MODEL
ENGINEERING
EXHIBITION**

**THURSDAY 17th to SUNDAY 20th
OCTOBER 2019**

WARWICKSHIRE EVENT CENTRE

www.midlandsmodeleengineering.co.uk

Choosing my religion

Mark Thatcher chooses to build a 1/19th scale 16mm Welsh Methodist chapel from Model-town

They say, never talk about religion or politics, so apart from the vague homage to the band, REM, I am not going to.

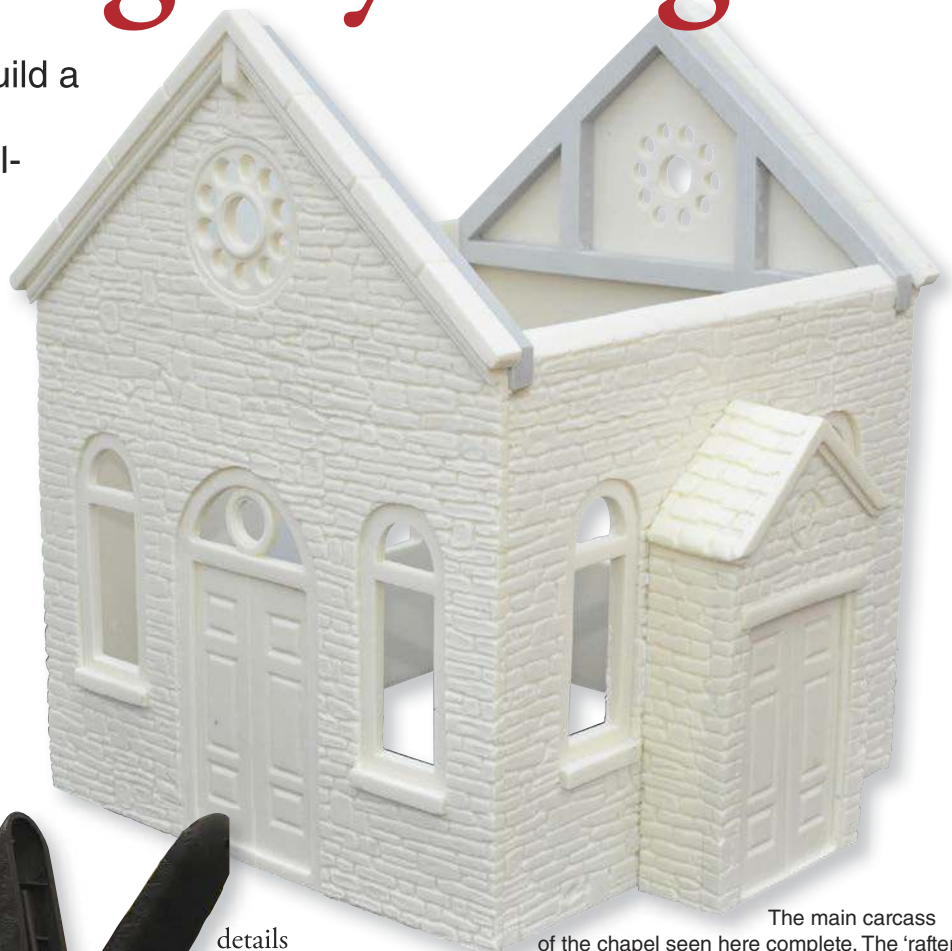
Instead I'll talk about building and painting this model of a Methodist chapel made by Modeltown. There are around 1600 Methodist churches and chapels dotted around the UK, so there are plenty of pictures and information to gen up on. These chapels often were located in remote areas with very small congregations, so they did not need to be big buildings. Also, in my experience, I find them quite austere. They are frugal, almost primitive structures to my mind, and certainly there is not much stained glass to be seen. That possibly would have been seen as a frippery.

LOTS OF ARCHES

So, at first glance, this looked like a very nice kit, with lots of nice deep mortar lines, and in-built mould

details like the circular windows near the apex of the roof on the end sections. As well as receiving the basic four walls and two roof sections, I also received a one-piece vestibule moulding. This could be incorporated into the building as a second side entrance (but covering the middle window) on the side walls, or added over the main entrance door (covering it up), or indeed left off completely. This did present me with a quandary, as I wanted to keep the feel of this building as simple as I could. I certainly did not want to cover up the main entrance on the front elevation, just to replace it with another entrance. What swung it for me, was I noticed

Placing this roof support at exactly the right location is critical to the build, otherwise the roof will not fit correctly.



The main carcass of the chapel seen here complete. The 'rafter' formers create a ledge that the two roof sections will locate on, later in the construction process.

moulded into the vestibule, was a highly detailed Methodist symbol. So I opted on adding this vestibule to the right hand side of the building, when viewed from the front where the main door is located. There are a lot of really nice arched windows to paint in this kit, and also provided is a generous amount of plastic glazing material which has faux leading printed onto the surface. So, I broke my normal rule and did indeed glaze this model as the glazing was too nice not to use.

Building the four walls first, after gluing them together, I inserted the mouldings of the rafters into each end of the building. These serve two purposes. They add strength to the overall construction and they also provide a 'shelf' for the roof sections to sit on. I clamped these components so they set square and true. They need to be, as if they sit too proud, the roof will not fit flush to the capping stones on the wall sections.





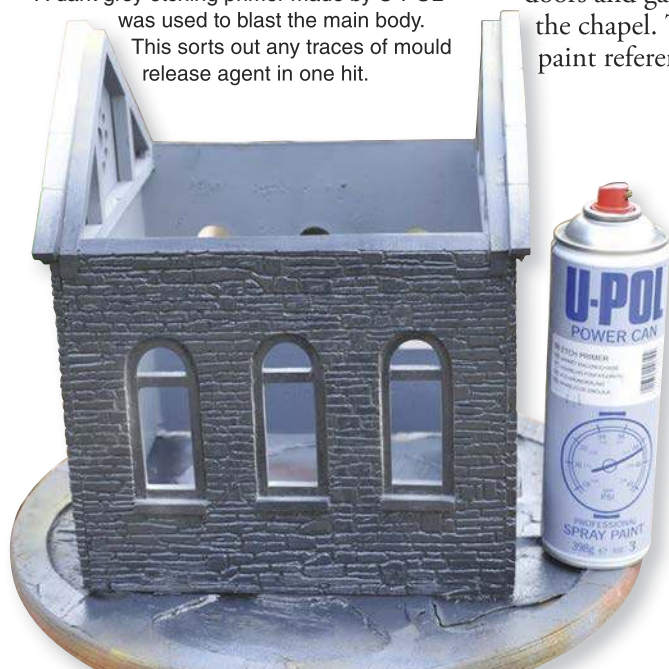
Left: The building ready for the paint shop. Note the low-tack masking tape added to where the roof will abut to the main building.



Right: The interior was simply and quickly sprayed with a coat of Halford's grey primer.

Before painting the building I did mask off the sections of these that the roof would be eventually bonded to, as I wanted a paint-free surface for the glue to grab onto. I dusted a coat of grey primer inside the chapel, and used a dark grey (almost black) etch-based primer for the exterior. As I said earlier, I wanted a real dark looking stone effect, so just sponged over some dark grey onto the walls, just picking the odd stone out here and there with some lighter grey. I did however want to

A dark grey etching primer made by U-POL was used to blast the main body. This sorts out any traces of mould release agent in one hit.



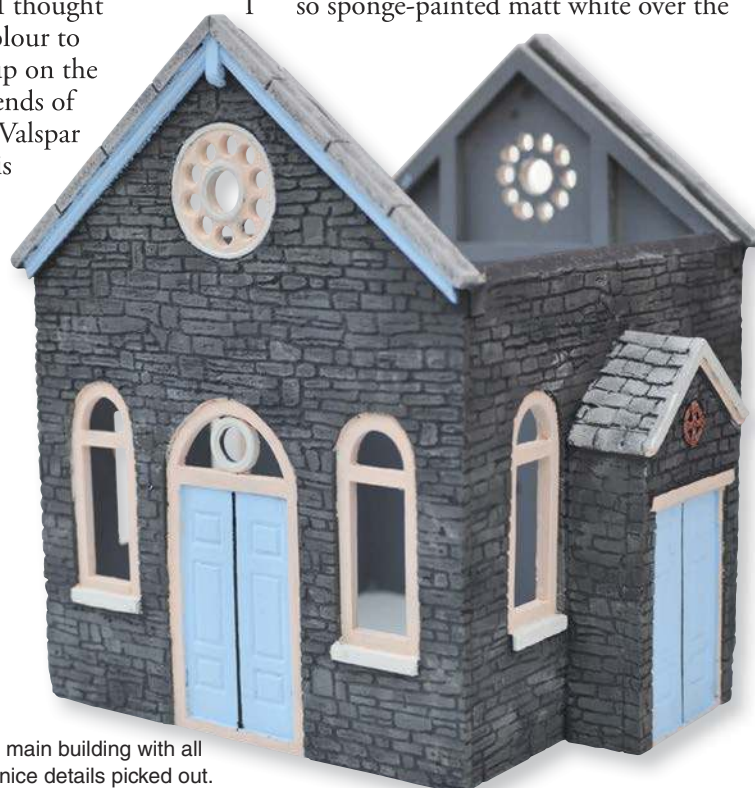
brighten things up when it came to the colours featured elsewhere. It's almost like the painter took one look at this foreboding structure and thought that it needed cheering up a bit!

WEDGWOOD BLUE

John Wedgwood, of the famous family of potters (Stoke-on-Trent, not Hogwarts obviously) was an active Methodist, so in recognition of this, and as I also happen to like Wedgwood blue jasperware, I thought would use this colour to brighten things up on the doors and gable ends of the chapel. The Valspar paint reference is

actually called 'Something Borrowed' and isn't quite Wedgwood blue, but it's close-ish! I used the colour 'Faded In time' for the windows, and matt white for the window sills. There was quite a lot of painting on this kit, which I achieved in one long four-hour stint, and I think this task was made easier by clear delineations on the mouldings between the windows, doors and stonework.

When it came to painting the roof, I wanted to create a weather-worn look so sponge-painted matt white over the



The main building with all the nice details picked out.

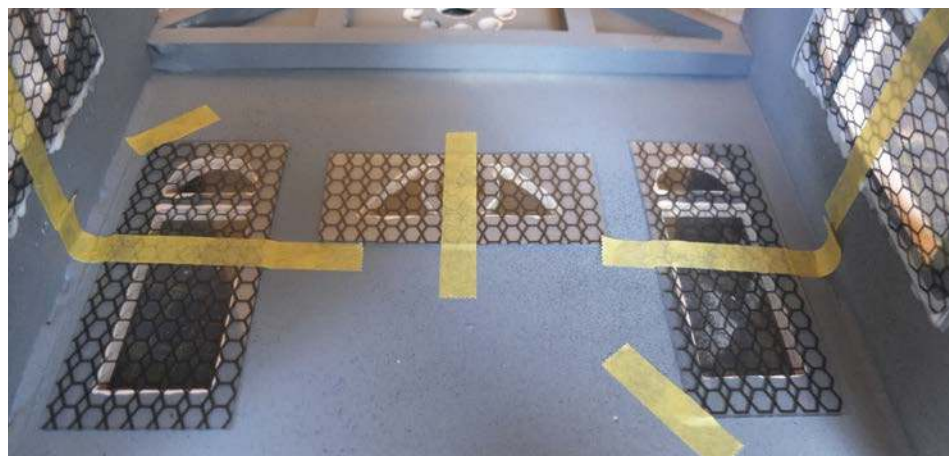


Left: The mixing and matching of light and mid-grey on the roof to create a weather-worn effect.



Right: Quite a lot of masking tape was used in the creation of this model.

Below: Fitting the glazing with nice faux lead.



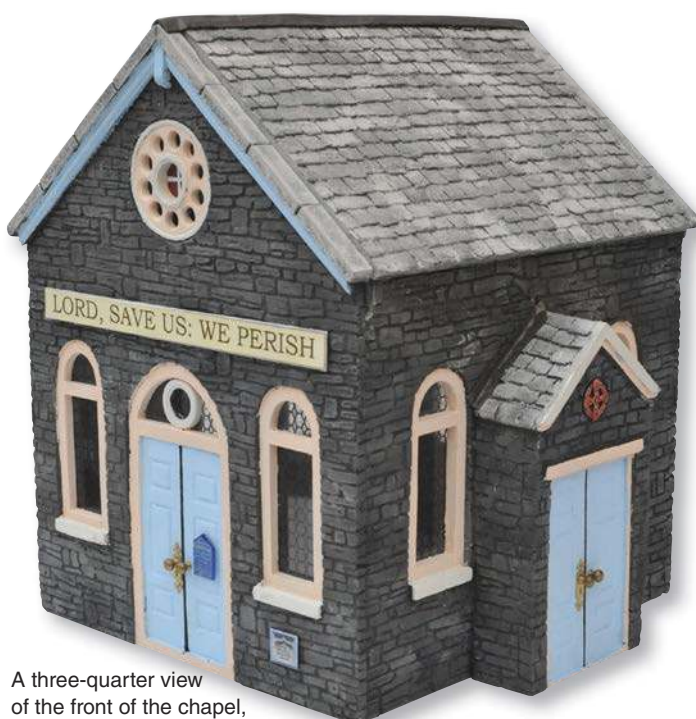
dark grey undercoat, then whilst the white was still wet, sponged in some mid grey. I generally work diagonally over the roof so that the tiles don't look too uniform in their appearance. I did not over think this process, and had to work pretty quickly before the paint dried. I also used a ton of my favourite low-tack masking tape from Tamiya. It is not cheap, but comes on a dispenser and I find this tape invaluable for masking awkward areas (*Editor: Cheapskates like me buy the refills as they are cheaper*). It allows you to cut in with a paint brush, comes off really cleanly, and the end result is usually very good.

It comes in three widths: 6, 10 and 18mm.

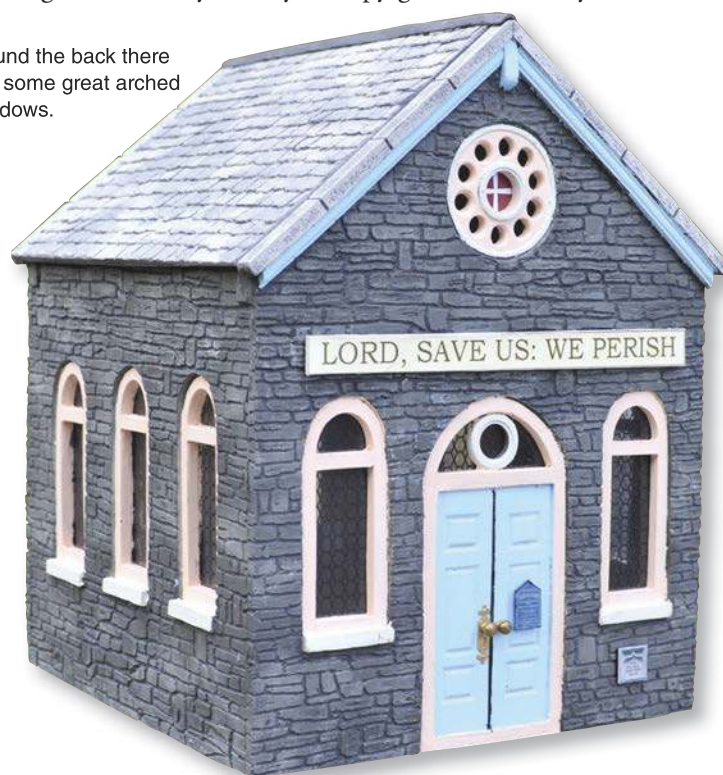
As I said earlier, I generally do not add glazing to the buildings I make and review, as if used in anger on the line, it will get very grubby, sometimes go brittle, sometimes fade and even fall out. Also I don't like the reflections from the windows during the summary

photo-call. I made an exception to the rule here though, thanks to the nice faux lead glazing which is included. Modeltown provide a generous supply of this in the kit. After placing the glazing *in situ*, and holding it in place with masking tape, I used a 'dries-clear' glue to secure it into position. You can buy 'canopy glue' favoured by model

Round the back there are some great arched windows.



A three-quarter view of the front of the chapel, revealing both entrances.





Above: The front elevation carries most of the extra detail as that is where the eye will be drawn to on this model.

Left: The printed glazing does a good job of replicating leaded glass windows.

Right: Real lead leading was used on the apex of the roof and over the vestibule roof.



Details abound: the 18mm-diameter moulded-in Methodist emblem, the church sign and added door knobs, the Methodist emblem to the round windows, the chapel foundation stone (it looks 3D but actually isn't).

aircraft modellers. They use it to secure the see-through cockpit canopies on scale aircraft.

LIFTING MY SPIRITS

The final two jobs were to secure the roof sections in place and hide the join at the apex of the roof. The sections were a tight fit, and I did end up filing a couple of millimetres off each end to achieve a snug fit. They sit on the 'rafter' formers previously installed, but also have to sit flush with the capping stones present on the chapel's end walls. It was an easy job to do this, and the only time I needed to use my file in anger throughout this construction.

A length of 'L' shaped plastic strip was supplied in the kit. This is common to most of Modeltown's offerings. However on this occasion I wanted to model a lead bead running the length of the roof. I have in stock some real lead on a roll. This came from a friend who had it in stock for years and was going to throw it out. The lead comes can be cut with a scalpel and has a sticky back to it, making it perfect for this

application. As well as leading the roof, I also added some more lead across where the vestibule roof joins the stonework. I think it is quite effective and it is very malleable so can be worked into whatever surface it is applied to.

So, now it was time to add the final details, printed signs, emblems and embellishments. I added two round Methodist symbols to the high round windows at each end. These were scaled by my wife on Photoshop as were the other signs: the blue sign on the vestibule door and the date inscription to the right of that. The religious inscription was researched online and did exist. This was also made on Photoshop.

I added door knobs and locks to both doors. These are doll's house shop finds, and a little over-scale at 1/12th, but provide a fair representation of the real thing. Finally I picked out the Methodist emblem that was moulded in above the vestibule door. This was no mean feat as it only measures 18mm in diameter. This emblem in itself embodies the lengths and attention that

Modeltown goes to in order to create buildings that not only look right, but *feel* right too. Their range carries some very finely moulded components, but they also capture the essence and flavour of the real thing sublimely. Painting that emblem really lifted my spirits as I saw it ping to life. I had hardly even noticed it before. How on earth they can mould a detail that small, yet with so much crispness out of resin simply astounds me.

I loved constructing this kit and also making it my own. And you don't have to have a Welsh-themed garden railway either to make use of this chapel, as they abound everywhere. The northernmost chapel in the UK is located at Portessie, just to the west of Fraserburgh in Scotland; the southernmost is in Penzance. So you see, there really is no excuse not to add this great model to your own railway! ■

Garden Rail Resource

Modeltown

6 Station Road, Halton Holegate,
Spilsby, Lincolnshire, PE23 5PB
www.modeltown.co.uk
Welsh Methodist chapel kit,
unpainted - £65.00 + P&P

Please mention **Garden Rail**
when contacting suppliers.

A Four wheel Brake Van for Hambleden



Steve Howard personalises the Accucraft Isle of Man model.

I liked the idea of a full brake for my Hambleden Valley Railway and the Accucraft IoM 'E' Van seemed to fit the bill very well.

However, those that know me know never like to run anything straight out of the box with an identical model being seen over and over again on different layouts. Since I don't actually model the Isle of Man railway, I was not concerned that the brake would not be a true reflection of that railway, so made a number of changes to the model.

First for the chop, literally, was the block under the buffer beam for the chopper coupling. Accucraft model the Isle of Man stock to 15mm to the

foot. To achieve a balance between true scale and the required buffer height, the chopper coupling is mounted on a block below the buffer beam that I feel seriously detracts from the model. Hambleden Valley is modelled in G scale at 13.5mm to the foot and all coupling heights are set to 25mm above the top of the rail.

The coupling height on the coach is set through a combination of 'W' iron height and wheel size. Conveniently, Accucraft has mounted the W irons on spacers between these and the coach floor. These were removed and the W iron screwed directly to the coach floor. The 32.5mm diameter Accucraft wheels

were replaced with smaller 24.5mm diameter steel wheels.

A combination of the smaller wheels and removing the spacers lowered the coach body sufficiently to enable the removal of the block under the buffer beam and to mount the chopper coupling in the correct place on the beam. Accucraft had already made two pre-drilled pilot holes in the beam to facilitate this.

I wanted to change the roof from a very smooth satin finish in a plain grey colour, presumably to represent a steel roof, to a white painted canvas roof. This has been done for other stock on my railway and the process is very straightforward.

A piece of white cotton cloth, in my case, a piece of an old white shirt which was first ironed to smooth it out and remove any creases covers the roof. It



This spacer piece was removed from under the 'W' irons.



'W' irons screwed directly to coach floor without the spacers and the block for the coupling under the buffer beam has been removed.

was cut about an inch larger all round than required.

The roof was separated from the coach body by removing a small bolt at the top of each end and gently prising it away. The long edges of the roof have very small plastic pins that fit into the top of the coach sides so be gentle with it and try not to break them.

Next the plastic roof top was sprayed with 3M photo mount spray adhesive. This is a very fine adhesive, but don't use other types of spray adhesive as some of them are very thick and can make a real mess.

The cotton fabric was stretched across the glued surface and any wrinkles were smoothed out from the centre towards the edges. The roof was turned over and using a sharp knife or scalpel and a steel rule, the fabric was trimmed to leave about 1cm all round. After a quick pass of the 3M spray along the edge, the cloth was folded over and pressed down and held for a minute until it stayed in place. Excess overlapping material at the corners was



trimmed back with a knife to allow the material to lay flat at the corners.

To represent metal strips covering what would be joins in the canvas, two pieces of 2mm wide, 60 thou Plastikard strip were cut to the width of the roof and fixed down with superglue to divide the roof into three equal sections. When all was dry, the roof was lightly over-sprayed with matt black from a car aerosol until the desired level of sooty roof colour was achieved.

Two 2mm holes were drilled in the roof above the guards compartment and a GRS lamp top and ventilator were fitted. Also, a piece of 1.5mm brass wire was bent and inserted into the roof to make a grab handle. On the brake end of the coach, three GRS coach steps and a brass handrail were fitted. Before refitting the roof, the sides of the coach were masked off and both the ends were sprayed matt black and weathered with track colour.

The lamps on the ducket roofs were carefully prised off and discarded and the remaining roof piece was covered with a small piece of 10

GRS Coach steps and brass handrail. The complete end colour was changed from the original maroon to matt black.

Garden Rail Resource

Accucraft (UK) Ltd

Unit 4 Long Meadow Industrial Estate, Pontrilas, Herefordshire, HR2 0UA
www.accucraft.uk.com

Garden Railway Specialists

6 Summerleys Rd, Princes Risborough HP27 9DT
www.grsuk.com

Please mention Garden Rail when contacting suppliers.



Close up of new roof covering, lamp & ventilator over the guards compartment and the lamp removed from the ducket roof.

thou Plastikard to cover the rectangular hole left by removing the lamps.

The roof was re-affixed to the body, carefully locating the plastic pins in the sides and refitting the two end bolts.

The lower of the two footboards was removed as these foul the platform edges on my layout and I prefer the look of only one footboard in keeping with other coaches on my layout.

Finally the coach was lightly weathered with a few passes from an airbrush of track colour across the underframe and lower side panels

So a few simple mods and you have a coach that is different from the rest of the crowd, unless of course you are modelling the Isle of Man. ■



Steampunk Jabberwock crane

A flight of fantasy built by Ben Buckl.

I'm slowly developing a collection of stock for a planned garden railway; something simple to loop around the garden whilst I'm sat with a G+T of an evening. I did however want a theme of some sort, and after leaning towards something science fiction (see the railcar I built, back the March issue, for a hint of how things might have originally turned out) I decided to return instead to something I was working on a few years ago, a model inspired by "Alice's adventures in Wonderland" and "Through the Looking Glass" by Lewis Carroll.

I had my interest in the books re-ignited both through reading them for my foster daughters, and through a sculpture show I got involved with. Knowing I was a fan, back in 2015 my friend Clare asked me to, "come up with something Steampunk- maybe an interpretation of the Jabberwock" for an "Alice"-themed arts trail she was organising at Rydal Hall in the Lake District.

For those who might not have come across Steampunk before, basically it's a kind of Victorian-themed science-fiction which is often characterised by implausible technology, airships, chaps in top hats, women in goggles, clockwork automatons, much polished brass, and lots of imagination. It encompasses cosplay, jewellery making,

sculpture, art, all sorts, and I'm an enthusiastic follower of it.

To cut a long story (of much hammering, nailing, scrounging of materials, sawing, swearing, and sleepless nights) short, I ended up 8 months later with a massive, by my usual standards, 2/3rds scale sculpture of a semi-derelict, steam-powered crane on caterpillar tracks, which looked suitably monster-like when viewed from the front.

I'd reckoned during research that rail-mounted breakdown cranes with their long necks and projecting stabilising feet looked quite dragon-esque; however, practical reasons stopped me doing a rail-crane for the full sculpture in the end.

Come 2019, after several years stored in the loft, my frankly, hastily built proof of concept model for the Railway Jabberwock was in a bit of a state, so I decided that it would be better to start again. In any case, whilst Steampunk often pays lip service to such trifling concepts as "practicality" and "plausibility" the concept model (inspired by the DeWinton vertical boiler locomotives) didn't look at all right to me now.

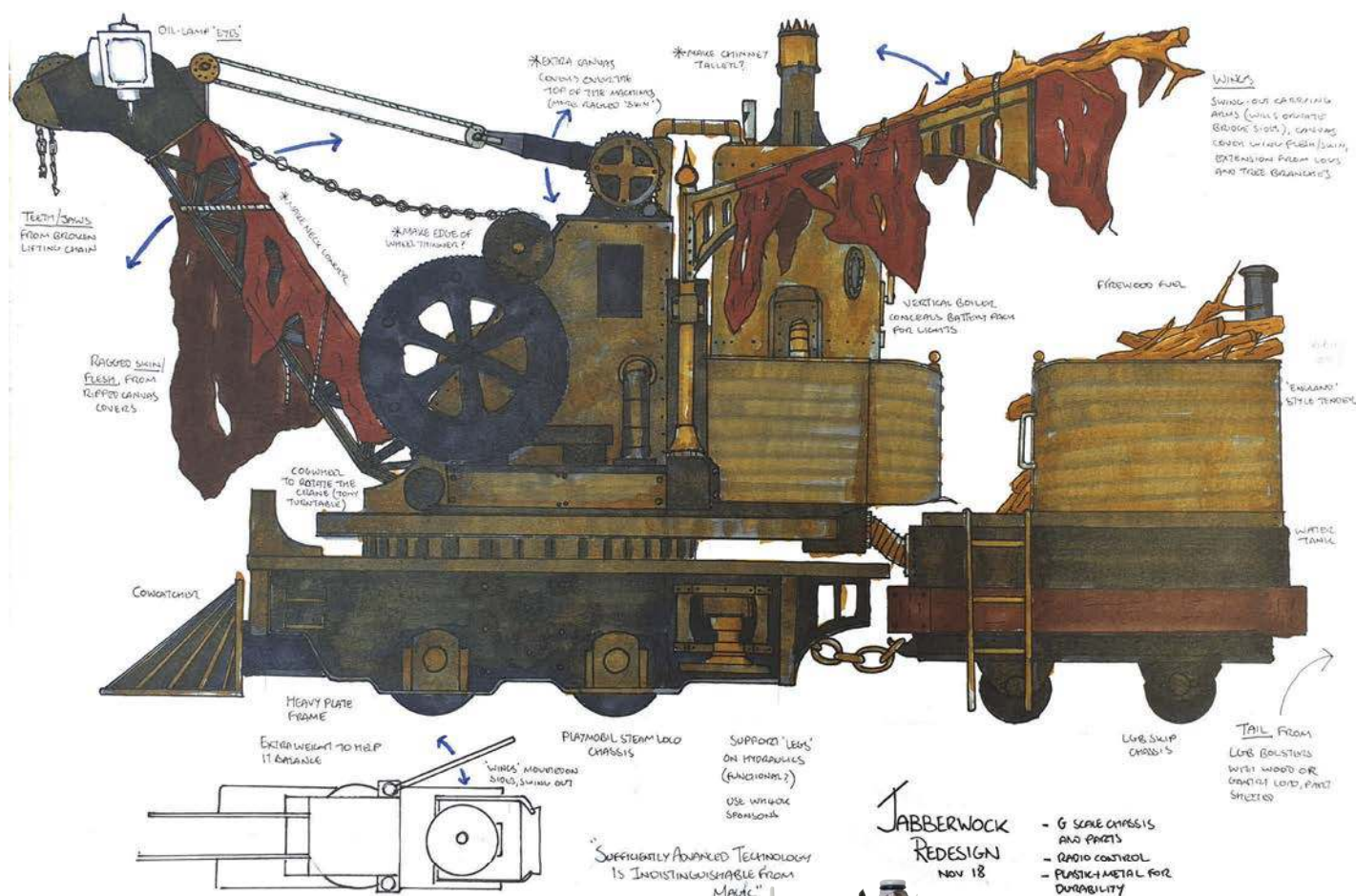
For this new model, the inspiration would come from a vertical-boiler steam crane at a museum in Scotland; still implausible as a narrow gauge

prototype, but from an arty point of view I wanted to channel slightly the tall, top-heavy looks of an Emmett cartoon. I spent an enjoyable month or two using this as a distraction from more serious projects, and at the end I had something that better resembled my initial ideas for the Rydal sculpture.

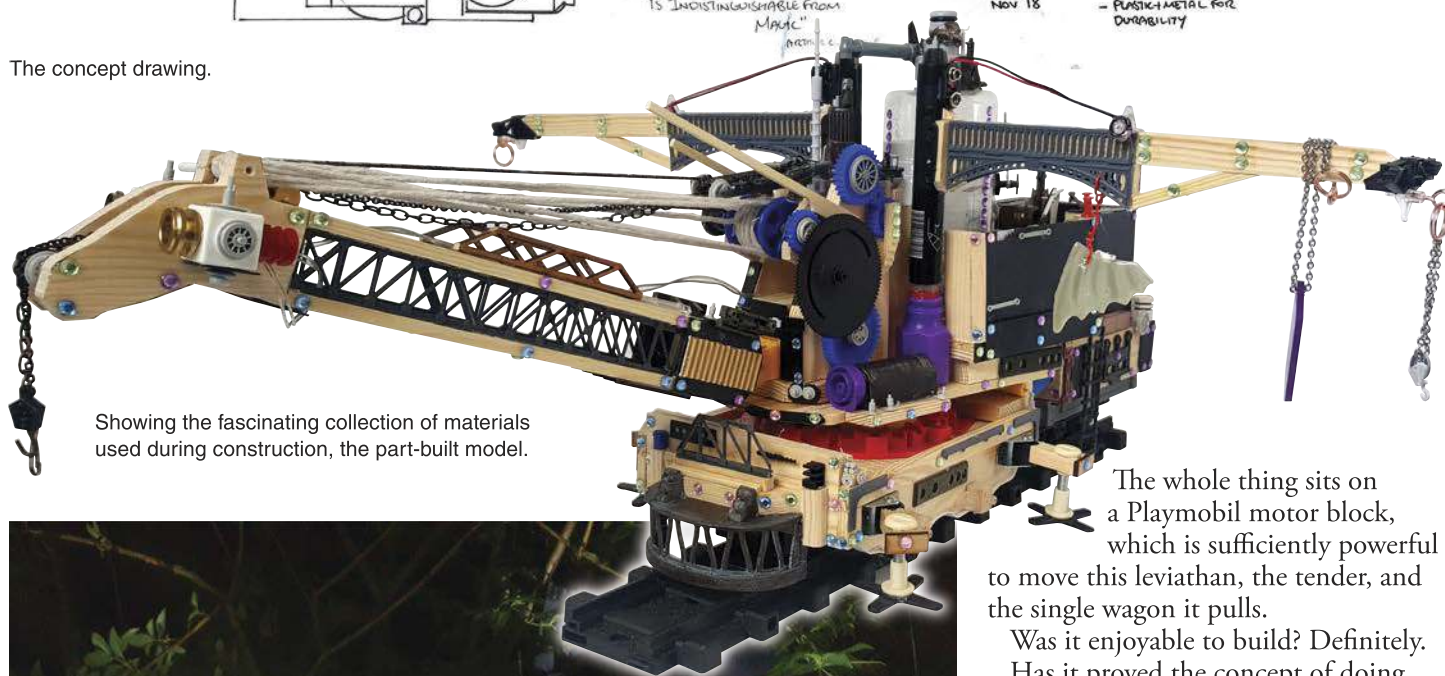
One important element this time was to make it a bit less blatantly monsterish, if that makes sense. The Rydal sculpture, and the early designs which led to it, varied between being actual cranes, to things much more bio-organic.

This time I wanted something rather more obviously a slightly derelict crane-locomotive which, when viewed from certain angles, looked subtly like a monster. As with the full-sized sculpture the ragged remains of tarpaulins would give the impression of skin, two (prototypically unlikely) side jibs would give it wings, side stabilisers would be a bit leg-like, and the long neck with it's oil lamps would resemble a head.

The accompanying pictures should give a good indication of build, following my usual methods of creating a fairly solid base from plywood and repurposed household items, then gluing on as many random bits of plastic, broken toys, model-kit components, and electrical/plumbing gubbins as I can find lying around.



The concept drawing.



Showing the fascinating collection of materials used during construction, the part-built model.



The whole thing sits on a Playmobil motor block, which is sufficiently powerful to move this leviathan, the tender, and the single wagon it pulls.

Was it enjoyable to build? Definitely.

Has it proved the concept of doing a garden railway inspired by the "Alice" books? Well, currently under construction is a slightly-unhinged build of a Double Fairlie, the "Lion and the Unicorn", purposely built to resemble two separate designs of locomotives that are pulling in opposite directions, and a mobile Afternoon Tea carriage to accompany it... ■

At night, with the work-lights on, the model certainly has the look of a dragon about it.



Resurrecting an LGB Aster Garratt

Mike Duffy bought a new locomotive that seemed like a bargain, but found out it needed more than a little work.

I was being good. Sitting with my daughter in a wedding planners shop and listening to the pounds being liberated from my wallet by my daughter, my wife and my daughter's future mother-in-law. Then it happens. My phone starts making a noise. The ladies looked towards me with a silent order to ignore the call. Next, I get text message and then a Facebook notification. At this point, No.1 daughter says, "You better get that dad, it's going to be important, maybe a loco or something." The problem with bringing your children up in a home filled with sarcasm is they get very good at it.

I thought, it could be something else, after all, the call wasn't from a close friend. Elliot had left messages and voicemails so I thought I better ring him.

"Mate you need to log onto Facebook now, a guy's selling an Aster!" I cut Elliot off mid sentence. "I'm in a wedding planners show with my daughter several other women who like spending my money matey, I don't have Aster cash any more, not after today."

Elliot said the magic words that broke the spell. "It's a grand."

What? Were? When?

It seems a seller has an Aster Garratt for sale for the princely sum of £1000. Or nearest offer.

Now I've been accused of many many things in my lifetime but not of being stupid. So I looked at the advert, then I put my poker face on and walked back into the shop. No.1 daughter looks straight at me. "It's a train isn't it dad?" Future mother-in-law looks suitably abashed. "Oh you get used to this", my daughter tells her.

"Well, actually it is sweetie."

Jenny (wife2.1) says, "How much, and can you afford it?" Future mother-in-law must be wondering what her son will be getting in to.

I decided that honesty was best policy, because I'm terrible at poker. "It is Jenny. It's an LGB Aster Garret for £1000."

This next bit is why I love this woman. "Have you got one? Can you afford it?" To which the honest answer is, no I haven't got an Aster Garret. As for the money, well that's what the rainy day fund is for isn't it?

So I messaged the seller who lives in Portsmouth to see if I could buy it. No offers, not at this price.

After a hour he replied yes, but it's sold as seen. It hasn't run in years. It did run. Now it didn't. He's selling it for a mate.

Given the price of any Garratt for sale normally, I think I can risk it. I'm thinking two new motors and a Massoth XLS sound chip. Maybe a few bit and bobs. So £300 on repairs should do the job.

After a nervous four days, the parcel arrived. I realised I'd paid a guy on Facebook £1000 on the value of four



The loco as delivered.

photos. The voices in my head went in to overdrive. It could be a con. It could be anything. But the postman delivered a large wooden box with a single sheet of brown paper wrapped around to protect it.

On inspection I was relieved to see a Garratt. I was more relieved to put it on the test track and hear the sound unit kick in. The lights worked. The flickering firebox worked as well.

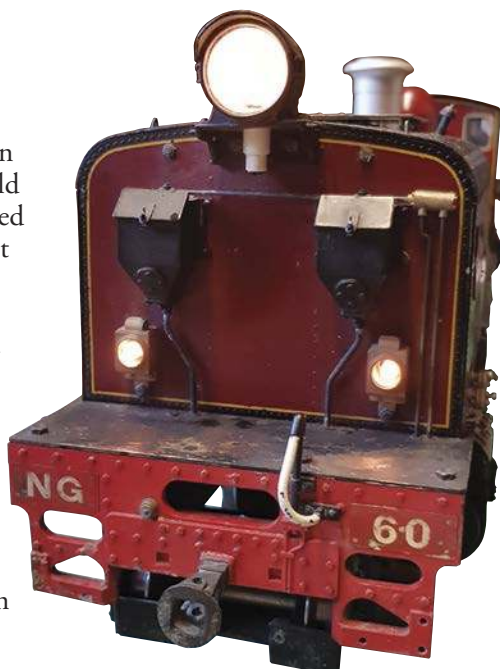
Unfortunately not much more worked. The rear motor block tried to move but it was clear to me this was going to be more of a resurrection than a repair job.

The salty air had started to attack the metal loco. Blisters of corrosion were evident. The previous owner had tried to cover this up with matt paint liberally applied all over the running plate and chassis.

The front buffer beam had been damaged and the cow catcher was glued on, as was the cab roof which came off in my hands when I lifted it off the track. I had one of those moments. What the heck had I done? My wife asked the same thing when she saw it. "It's going to need a few bits isn't it." Yes dear...

The first job was to ring my favourite LGB specialist, P+S Hobbies in York and say I was bringing the locomotive over.

While waiting for a day to nip over I searched Modell-land, an on-line retailer in Germany who stocks a lot of the older LGB parts. Luckily for me they listed quite a lot of the Asters



The sad front end damage visible.

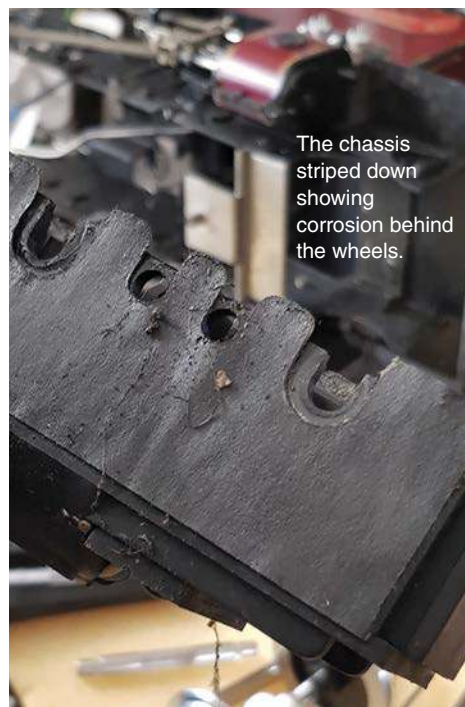
parts too. Not all of them but a sizeable amount. After a good look at what I had, and what was available, I placed an order.

The date arrived to go see Paul Lamming at P+S and I headed off with a big box in the car. It turned out to be a full day. Paul's a mind of information and his knowledge of parts was my saviour.



Corrosion on the chassis underneath.

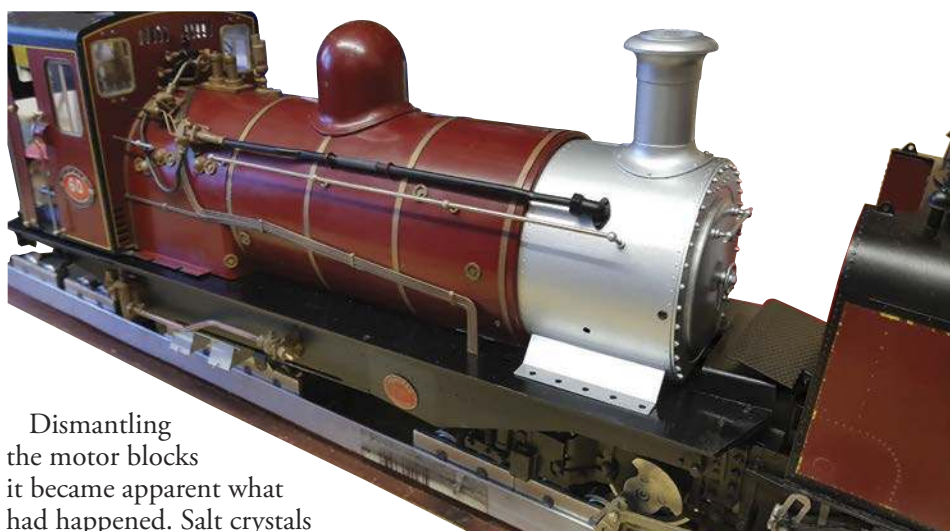
We striped the Garratt down. The original sound unit is staying, as is the original chip, yes it was factory fitted MTS.



The chassis striped down showing corrosion behind the wheels.



On Paul's workbench.



Dismantling the motor blocks it became apparent what had happened. Salt crystals had formed in the motors, gears and bearings jamming it up. Bodged repairs hadn't helped and it looked like the model had been left in a damp place.

With Paul's help we rebuilt the front motor block. A new Mallet gearbox, Mallet gears, Crocodile axles for the extended counterweight to fit onto. New wheels as well, the chrome was falling off. I replaced the skates and pick up bullets as well. We striped and cleaned the rear motor block replacing the skates and bullets on that too.

Otherwise it was good. Mechanically, Paul suggested cleaning off the running plate/chassis and respraying it. I agreed and what a difference it made. We rebuilt

Trimline tape is supplied on a roll of several different widths. A wide range of colours is available – try model boat suppliers to buy it.

The front end after a session with the Trimline tape.



the model and I took it home to refurbish it.

I used LGB smoke fluid and cotton buds to get rid of the grime build up. It lifted the colour and it looks better. I decided to repaint both end chassis to match Paul's work on the boiler chassis, and this is when I dropped a clanger.

I used low tack masking tape on the tanks/coal bunker while spraying. Unbeknown to me the smoke fluid had

loosened the lining on the front tank and after removing the lining tape I realised my mistake. A few choice words were used.

Talking to a few friends, I was advised to get some Trimline lining tape. Once it arrived I watched a few on-line videos and decided

I couldn't make things



Garden Rail Resource

Modell-Land

Hauptstraße 17, 29389 Bad Bodenteich, Germany
www.modell-land.de

P&S Hobbies

4 Walmgate, York YO1 9TJ
www.pshobbiesandmodelshop.co.uk

Please mention **Garden Rail** when contacting suppliers.

Chassis repainted, boiler cleaned up, it's starting to look as good as new.

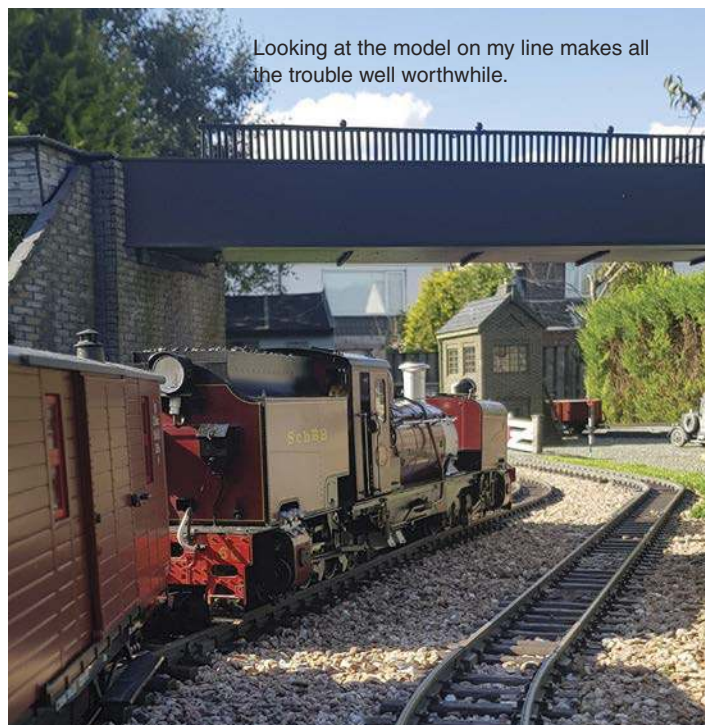
any worse. I removed all the remaining bits of lining left on the front end and following the advice I cut the lining too long. Instead of cutting down onto the tape and into the paintwork, I lifted the tape up to a sharp craft knife. And it worked!

I was surprised how well it went. A light waft over with some satin aerosol varnish sealed it all.

Meanwhile the bits from Germany finally arrived. A new front buffer beam. New brass badges for the buffers. I had decided against using the cow catcher as supplied, instead I ordered two extra rear tank steps and bolted them on. It was all coming to get her rather nicely. A new crew were fitted in the cab. New cab roof hooks were fitted with suitable bolts and I think we are there.

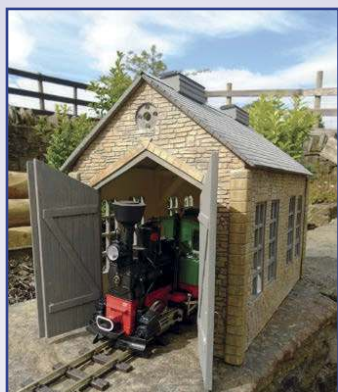
The cost? All in £1230 - And yes I'm happy with that! ■

Looking at the model on my line makes all the trouble well worthwhile.



MODELTOWN

www.modeltown.co.uk



UK's leading manufacturer of resin figures and building kits
Visit our secure online shop where all major cards are accepted

Beechholme, 6 Station Road, Halton
Holegate, Spilsby PE23 5PB
Tel: 01790 612237

www.modeltown.co.uk

**Garden Rail
OUTLET**

www.gardenrailoutlet.co.uk
sales@gardenrailoutlet.co.uk
023 8084 0834



Check the website for our latest Special Offers

Decoders ♦ Cables ♦ Rail Clamps ♦ DCC Systems & Accessories
Rolling Roads ♦ Lighting ♦ Speakers ♦ Spare Parts ♦ and more...



**24
GHz**

Massoth

50

1GB

30

BOLE LASER CRAFT

Web: www.bolelasercraft.com Phone: 07900 995164

Beech Forest Station

A laser cut 1/20 kit of a typical Australian wooden station building suitable for any impoverished light railway in the world.
Birch plywood and vacuum formed HIPS construction.

Price £80

58 cm long
27 cm wide
22 cm tall



**WE WANT
YOUR
Model
Railways**



We will buy almost any Railway Collection, large or small. All gauges will be taken, in any condition. We always give an honest price and will collect and dismantle any layout.

Telephone: **01302 371623**

Mobile: **07526 768178**

or email: anoraksanonymous@googlemail.com

FREE



IP Engineering Wagon

**WHEN YOU SUBSCRIBE FOR
JUST £9.99 A QUARTER**

**A Garden Rail subscription brings with it
the following benefits:**

- FREE UK delivery
- Save over £13 every year
- Get your magazine before it's on sale in shops

2 EASY WAYS TO SUBSCRIBE

ONLINE: WWW.GARDENRAIL.CO.UK

Click on 'subscribe' and enter promo code GDR/OCT19

CALL: 01778 392465 (QUOTE: GDR/OCT19)

Terms & Conditions: Only available to UK subscribers.

South African Railways 'NG-Y-1' Hopper Wagon Laser Cut 16mm Scale Kit

NEW



A highly detailed kit which combines our proven hidden slot and tab construction with new 3D printed components for easy construction of even the most exacting features

32mm or 45mm gauge*

MDF: £100.00 / PLY £110.00 (All prices + Postage)

*Requires wheels, bearings and couplings to finish



E-mail: davidwilliams42@btinternet.com • Facebook: @ResurgamRollingStock



MIDLANDS MODEL ENGINEERING EXHIBITION

THE SHOW FOR MODEL ENGINEERS



**THURSDAY 17th to
SUNDAY 20th
OCTOBER 2019**

Thursday - Saturday 10am - 5pm
Sunday 10am - 4pm

**WARWICKSHIRE
EVENT CENTRE**

...more than just an exhibition -
it's an experience...

**Meet over 35
clubs & societies.
See nearly 1,000
models. Learn
from the experts
in the workshops &
lectures. Buy from
over 50 specialist
suppliers.**



BOOK YOUR TICKETS NOW

ADMISSION PRICES	ONLINE TICKETS*	FULL PRICE TICKETS**
Adult	£9.50	£10.50
Senior Citizen	£8.50	£9.50
Child (5-14 yrs)	£3.00	£4.00

* Tickets are available via our website at discounted prices until midnight Tuesday 15th October 2019.

** 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 a ticket by phone. Last admission 1 hour before closing.

SPONSORED BY

THE MAGAZINE FOR MODEL ENGINEERS
**ENGINEERING
in Miniature**

EXHIBITION LINK BUS
from Leamington Spa Railway
Station (not Sunday).

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

FREE SHOW GUIDE
upon entry to the show.

**GROUP DISCOUNTS: 10+ enter code GRP10 on website.
Lecture programme, exhibitor list & bus timetables online.**

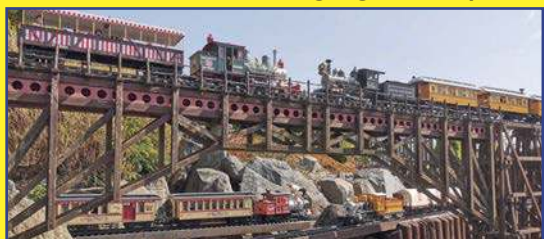
www.midlandsmodelengineering.co.uk

Organised by Meridienne Exhibitions Ltd
All information subject to change, correct at time of printing.



B&B Trawsfynydd, Snowdonia

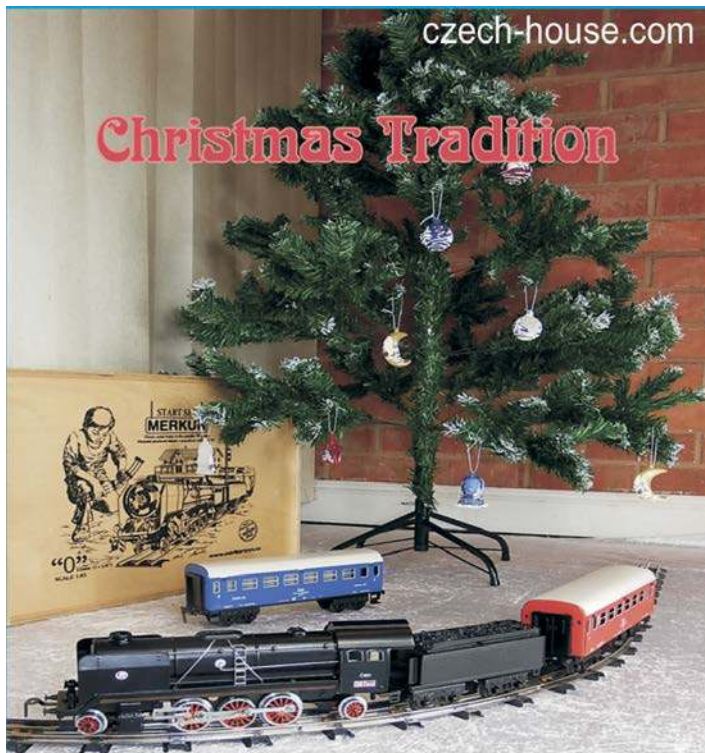
En-suite converted farm buildings
Extensive G-scale garden railway based on the
Denver & Rio Grande railroad
Central for narrow-gauge railways



Tel: 01766 540397 • www.oldmillfarmhouse.co.uk

czech-house.com

Christmas Tradition



**Choo Choo Train
Under Every
Christmas Tree**

The Yorkshire Garden Railway Show – Sunday 28th September

After a year away, the Yorkshire show returns to the Elsecar Heritage Centre in Barnsley. As well as the railway exhibition, visitors will find an interesting variety of craft workshops, artist studios, antique centres and a full-size steam railway.



Elsecar Heritage Centre, Wath Rd, Elsecar, Barnsley S74 8HJ

Below: Roche Junction



Mount Dowd and Dixon Green and Saed-y-Parc



Useful Links

www.yorkshire.16mm.org.uk/Yorkshire16mmShowhomepage.html

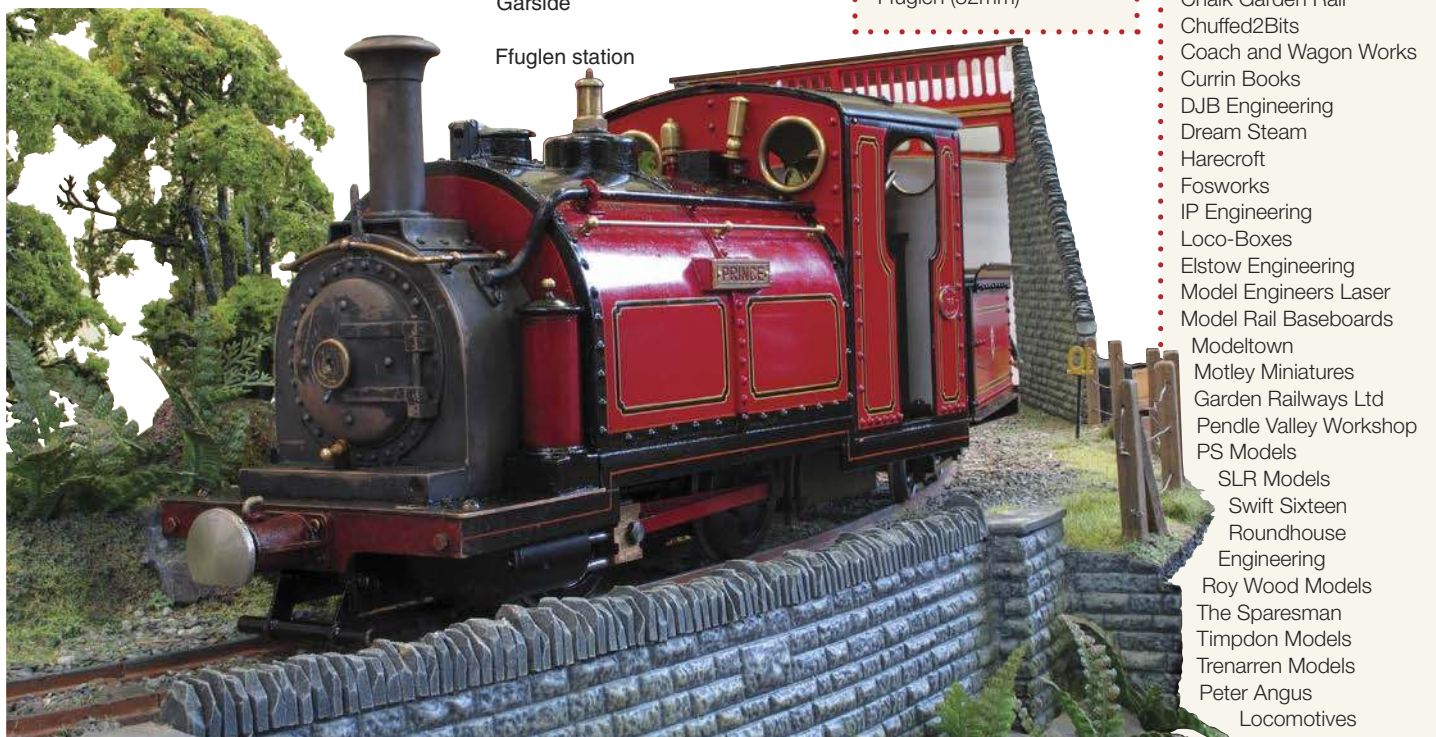
www.facebook.com/yorkshire16mm/

Please mention **Garden Rail** when contacting suppliers.



Garside

Fuglen station



Layouts

Mount Dowd and Dixon Green and Saed-y-Parc (32mm)
Roche Junction (45mm)
Garside (32mm)
16mm Association Modular Layout
Fuglen (32mm)

Trade

Anything Narrow Gauge
Atropos
Berry Hill Works
Black Cat Bridges
Bole Laser Craft
Brandbright
Brunel Models
Chalk Garden Rail
Chuffed2Bits
Coach and Wagon Works
Currin Books
DJB Engineering
Dream Steam
Harecroft
Fosworks
IP Engineering
Loco-Boxes
Elstow Engineering
Model Engineers Laser
Model Rail Baseboards
Modeltown
Motley Miniatures
Garden Railways Ltd
Pendle Valley Workshop
PS Models
SLR Models
Swift Sixteen
Roundhouse Engineering
Roy Wood Models
The Sparesman
Timpdon Models
Trenarren Models
Peter Angus
Locomotives

'Hercules'



- * Fitted with a high-powered motor and worm gear drive with chain drive to rear axle.
- * Working head lamp.
- * Gauge adjustable between 32mm and 45mm.
- * Full 2.4GHz radio control - Stop, start and speed in both directions using the Roundhouse 'Locoglyde' ESC.
- * Fitted with insulated wheels as standard.
- * Excellent running time.
- * Available in any standard Roundhouse colour.

**Other
Roundhouse
battery
diesel locomotives
available...**



'Merseysider'



'Little John'



'Darjeeling NDM-6'



'Bulldog'



'Harlech Castle'

Roundhouse Eng Co Ltd.
Unit 6-10 Churchill Business Park, Churchill Rd, Wheatley, Doncaster,
South Yorks, DN1 2TF
(01302) 328035, mail@roundhouse-eng.com, www.roundhouse-eng.com



northpiltonworks.com
Call: 02030 062564

BRAND NEW RANGE
QUALITY LASER CUT KITS
7/8th Scale Bogie Wagons

North Pilton Works
16mm Scale Garden Railways .com



16mm Scale Range
Full range of **BUILDINGS, ACCESSORIES**
and **ROLLING STOCK** kits in 16mm Scale



Bogie Platform
Bogie Open
Bogie Box Van
Bogie Box Guard
2 AXLE From £30 From £55



3 Laurel Drive, Rugeley Road,
Burntwood, Staffordshire, WS7 9BL

Custom Battery Packs built to specification

Small Loco G 0/1

Gauge 3



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

SUBSCRIBE TO

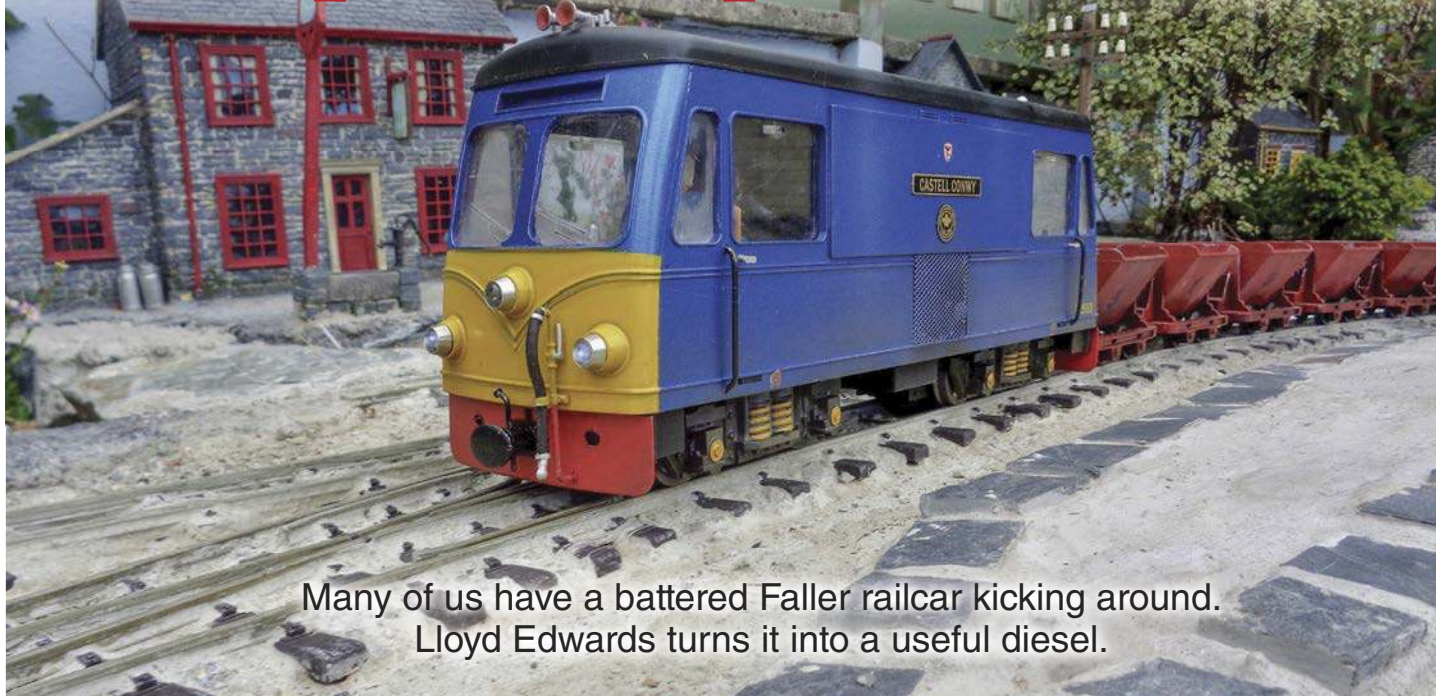
**GARDEN
Rail**

today from just
£9.99
per quarter!

www.brmm.ag/gardenrailsubs



Turning a Faller railcar into Crompton-esque diesel loco



Many of us have a battered Faller railcar kicking around. Lloyd Edwards turns it into a useful diesel.

It all started with a red plastic Faller railcar body, rough scale 1:24, spotted on eBay. I bagged this relatively cheaply and decided to make it work for the the Duloe Light Railway.

When we have tea outside we like to run a loco on the line whilst admiring the garden. It's a simple pleasure that is oddly fascinating. We have some very good diesel locos for the job, pride of the fleet being the Mamod Boulton, a great strong loco that is often out on the line in the evening.

Sometimes in life we want a change though; a U-Turn, another wind direction, after all it could become a boring line to watch, if we let it.

Modelling is an art form and carried on a breeze of whimsy, the direction we take is often random and inspired by many aspects. That's why I like a read of this magazine, to take inspiration from what others are up to.

I have many hobbies but the stable one is modelling, particularly 16mm garden rail modelling. This small project

lasting no more than five evenings is just a ditty as I'm busy with other things right now. As small piece of model art to be shared.

The painting canvass was started for me, with the red plastic body in hand. Now all I had to do was cobble some bogies together and wire it all up. Adding detail and painting it would take it from a toy to a model.

The bogies were the hardest part as I wanted to keep the costs down. An eBay trader under the name "phillseddy" - another small one man band cottage industry, makes power bogies at a very good price. These have metal frames and wheels with a good, strong motor.

I thought two motors would help drive and these were duly ordered along with Swift Sixteen's detail parts, namely side frames for the bogies, driver and vacuum parts.

What I do like about simple projects like this, is they use the spares that normally rattle around the workroom drawers. I mean I often open a draw



The drive units from "phillseddy" on eBay. They are designed for 4-wheel diesels, but with the edition of a pivot, they work well under a bogie diesel.

Inside the body, you can see the motor behind the driver and the simple power supply. Bit of a birds nest with the LED light though.

look at a useful part and put it back? A year in and I start to think shall I give it away? Can I use it on what I have? If the answer is no to these questions, then having the item seems a little sad. This kind of project eats the parts bin and clears out draws which is all very positive in my books.

The bogies arrived, made for a small 0-4-0 shunter. Metal sides and metal wheels, good value for what they are and the work involved. I added hardwood centres to each bogie to fix a pivot bolt through. A small springs slide over the bolts, then they were bolted to the plastic body floor.

I did have to cut out curved holes for the motors to poke up inside. This weakened the floor some, so I glued in some alloy extrusion to strengthen it back up.

Next, a Tamiya RC car manual speed controller was soldered onto a good quality 4.8V battery pack. LED R/C car lights to add interest to the front along with Mamod buffer beams. These were braced behind with thick ABS plastic.

I did add some ABS to the front window frames to cut away from the rail car look. Also I filed the side window frames and panelled both sides loosing the central door. I did want a Crompton-style diesel look after all.

As I was keeping the costs down I found old car-touch-up paint and sprayed the model. When we make



things on the cheap there can be compromise and we are not always pleased with the end result. I say this as the blue was not quite BR blue and 'in hindsight,' it would have been better to buy the correct paint. Worry not too much, we can always fiddle or re-paint later on after we have had a play.

The side frames from Swift Sixteen were simply glued on and add lots of interest to the model. I was lucky with the wheel spacing on these and very pleased with the results.

Now the interesting part to share. I had a 'head wobble' with the loco rather like someone's gesture with agreement. It was annoying as the side to side oscillation would not stop. I set it off on the track and a bump stated the side to side wobble but it seemed to carry on and on!

The bogies pivot on a bolt but sit on a small spring over the bolt to allow all-angle-bogie movement, for bends and bumps in the track. It took me half an

hour to stop this. When I tightened the bolt and thus the spring, it then came off the track on tight bends or uneven places. The answer was, to tighten up enough but not too much and to always have one bogie tighter than the other. I just thought this might be useful to share to anyone else making their own Bo-Bo loco or railcar if they get a similar 'head-wobble on.'

Conclusion, it's good to cobble a loco together bringing in random parts to make something acceptable and often unique. I wanted a cheap project and it still stood me in 150 pounds. I mention this as it just goes to show that when you look around the shows and think, "why is that so expensive?" Well, the answer is that it adds up.

I also think that the time in the cottage industry is often at a reduced rate. When we make things on small runs or smaller quantities it all takes so much time. So, I'm grateful to the Cottage industry we have where I can buy detail parts or power bogies etc. Yes they seem expensive but they are not, when you work it all out.

Grateful for the parts, grateful for the interest in sharing and grateful for this hobby. ■



Garden Rail Resource

Swift Sixteen

10 Waun Road, St Dials, Cwmbran,
Gwent, NP44 7JN
www.swiftsixteen.co.uk

Please mention **Garden Rail**
when contacting suppliers.

Working in the quarry to reduce the spoil heap hauling Tri-ang skip wagons and definitely looking more Crompton than railcar with its yellow warning panel and a dodgy shade of BR Blue!

Scale Kings Maybe?

Mark Thatcher drops in on Silver Crest Models to check out their latest releases.



GWR 1366 Pannier tank in 5" gauge.

I have known of Silver Crest Models since they launched in 2010. In that time their range has grown from a Gauge 3 Britannia locomotive to many other models now embracing Gauge 3, 3 ½", 5" and 7 ¼" gauges. I am fortunate enough to own the very first Gauge 3 Britannia they produced (although purchased second hand), plus their class 14XX models in both Gauge

3 and 5" gauge, both of which sport the GWR livery. So, yes, I was already a convert and when Jon Spalding, their MD, offered me a guided tour of his set-up I took him up on this generous offer.

When Jon launched Silver Crest Models, he had many irons in the fire and ideas for this new venture. He had even created a 1/6th scale prototype

model of a Tiger tank! But as the company established itself, it was clear that the main driving force was going to be the production of reasonably-priced high quality live steam engines.

Of course 70000 'Britannia' was the obvious choice to launch the 'Kingscale' range of models. The BR Standard Class 7, as it was also known, was designed by Robert Riddles for use by British Railways for mixed traffic duties. Fifty-five were constructed between 1951 and 1954. These were built at Crewe Works, before the publication of the 1955 Modernisation Plan which mooted the move to diesel motive power and the electrification of some main lines.

The first batch of these Britannia models sold out very quickly. Much of the success of this was down to the solid partnership that Jon formed with expert model engineer, Mike Pavie. Mike is well-known and highly respected in model engineering circles and his bespoke steam models are legendary and command a tidy sum indeed.

However, Jon approached his own

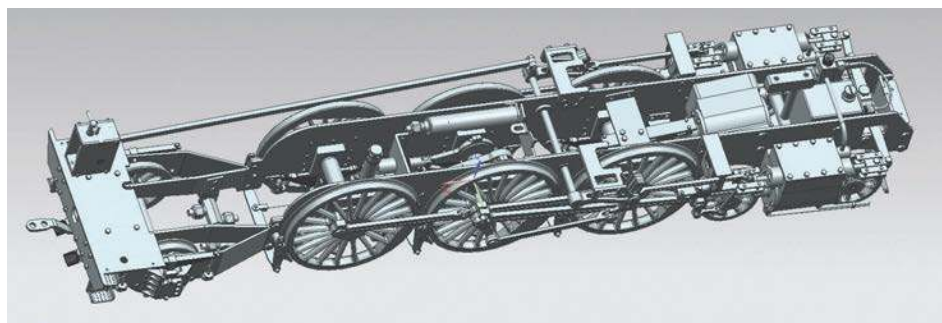
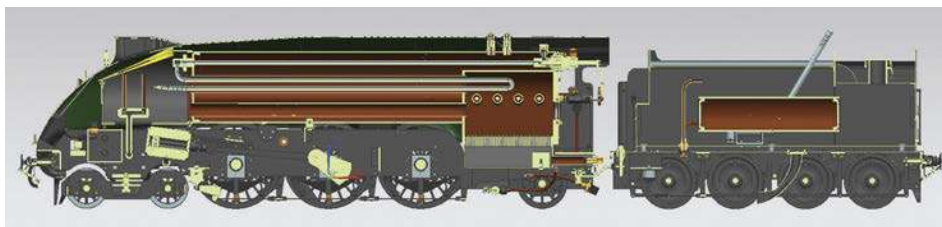
Silver Crest Models operate out of an idyllic spot in the Northamptonshire countryside.



Hot off the press, the first pictures of the new LNER A4 Gresley Pacific in Gauge 3 with three cylinders and correct conjugating gear.

engineering challenge with a new focus. Rather than producing bespoke models, Jon intended to put Mike's engineering prowess and design skills to use but then produce the models in limited batch runs. These models would be inevitably made in China. This process not only means that each model has had Mike's input, but they are now more affordable too. For instance, Kingscale's Gauge 3 14XX 0-6-0 locomotive retails for a modest £2495.00. This is pretty good value when compared with the price of 16mm RTR locos from the Roundhouse and Accucraft stables, and a great starter loco for the Gauge 3 modeller into the bargain.

It is not as straight forward to



replicate this class 14XX in other scales, as drawings and parts do not naturally scale up, but Kingscale have done just that and this model is available in 5"

and 7 1/4" gauges for £4,995 and £9,995 respectively.

And, as if there is not enough variety there, the company has also moved to 3 1/2" gauge and produced a most delightful model of 'Duchess' class mainline loco, named 'The Duchess of Hamilton'. This is a four cylinder coal-fired model with a silver-soldered copper boiler. For those with a penchant for the larger scales, then there is a class 45XX and a Standard 4 class in the 5" range to tempt you also. And if you want a seriously big boy's toy then you can hop up to 7 1/4" and grab the 14XX or their 'Evening Star' in 5" gauge – a very imposing model.

I have personally worked with Chinese factories in the past, and it is fair to say they have had mixed reviews. But certainly over the last decade, quality has dramatically improved. There were a few small teething problems with the first batch of 'Brits', but these were soon resolved, and certainly today, all the models coming from this manufacturer are first rate. My own models have performed flawlessly and the only issue I had was with the washers perishing on the manual water pump in the tender and on the steam whistle on my Britannia. In any case, when each model hits the shores of the UK, they are personally inspected and tested by Mike Pavia before they are sent to the customer.

So, are they worth the money and who buys them? Certainly if you visit one of the many model engineering clubs' track days or a Gauge 3 Society's open day, there is a high chance that you will see a Kingscale product on the track.



An overview of their showroom, as exciting as a sweetshop is to a child!



Centre stage, Kingscale's 5" gauge 'Evening Star', priced at £13,995

Initially there may have been a view taken by some of the more dyed-in-the-wool model engineers that if it is not hand-built then it is chequebook modelling, but the truth of the matter is that not all of us (me included) have the sufficient time, skills or equipment to build one of these models. Some engineer-built models can take decades, so this range allows folk who want to get up and running quickly to do so.

When I mentioned this to Jon he replied that he has actually sold models to those very model engineers, who have a long-term project on the bench, but wanted something to steam in the meantime. I personally see no stigma to buying RTR off the shelf. After all, coming up from live steam in 16mm there are lots of companies who sell RTR models without any complaints.

The other thing to consider is, to equip a workshop with lathes, presses and pillar drills will see you forking out a considerable amount of cash and unless you have amazing boiler-making skills, you will probably end up spending between four and six grand for a 5" boiler, for example. So taking all that into account, then yes, I think they are good value, if, albeit, a considered purchase. I am also sure however that many of these fine models do end up under glass as shelf queens too. Nothing wrong in that.

I could not comment on these as investment pieces, but Silver Crest do offer a buy-back service on certain selected models (usually the first 10 or so of each batch), provided they have not been steamed, and the second hand page on their website shows some models that are available due to customers moving up to a larger scale. So there clearly is a buoyant market that Kingscale are reaching.



The 7 1/4" 1466 in GWR livery



The 3 1/2" gauge 'Duchess of Hamilton' is Kingscale's first foray into this scale

After a great guided tour we did as all good folk do and repaired to the hostelry. This is often where a pint loosens lips and I did indeed get my scoop of the day from Jon. The next model not yet announced until now is an LNER A4 in Gauge 3 no less! This looks like being a super engine and a sneak preview picture has been included

in this article. Remember you read it here first in **Garden Rail!**

So what's next on my shopping list? Well they have a Gauge 3 coal-fired Britannia for sale and I have always wanted to learn to coal-fire a model... ahem. ■



A 5" gauge Jubilee 'Galatea'



The 3 1/2" Gauge Britannia prototype.

Garden Rail Resource

GardenRail Resource

Silver Crest Models Limited
Bragborough Hall Business
Centre, Welton Road, Braunston,
Northamptonshire, NN11 7JG.
www.kingscalelivesteam.co.uk

Please mention **Garden Rail**
when contacting suppliers.

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

RESURGAM ROLLING STOCK 1:19 South African Railways 'NG-Y-1 Ballast Hopper Wagon

These magnificent vehicles were originally constructed for the project to upgrade the Avontuur Branch and were considered a miniaturised version of their 3ft 6in Gauge equivalent.

Two batches were built by Hudson (SA), the first in 1968 and the second in 1976, and featured variable side discharge doors and were braked on both bogies. Whilst they were often seen in large block trains behind double headed 'NG15s', they were marshalled into smaller rakes as required, sometimes being cut into other regular services for operational convenience.

Many of these eminently useful vehicles have survived, with some having made their way to the UK, being found on the Ffestiniog & Welsh Highland, Lynton and Barnstable and Vale of Rheidol Railways.

The new kit is highly detailed and features Resurgam

The new kit is highly detailed and features Resurgam's proven 'hidden slot and tab' construction. This is complimented by a number of 3D printed parts, for the internal hopper bays and the various vacuum brake components, making for simple and easy construction; the vacuum pipe stands are also included in this kit. Whilst ideal for those modelling SAR or one of the preserved lines



mentioned, they would look at home on all but the very smallest of freelance operations.

It will be available to view on the Resurgam Rolling Stock stand, at the Exeter Garden Railway Show on the 26th of October.

- Laser Cut MDF or Plywood
 - Hidden Slot and Tab Construction with 3D printed parts for easy accurate construction
 - Available for 32 or 45mm Gauge (Please State When Ordering)
 - Requires wheels, bearings, couplings and decals to complete.
- Endon Valley Custom Decals will be producing a suitable set of decals.
- Prices (All Prices + P&P)
MDF: £100.00
Plywood: £110.00



Resurgam Rolling Stock

www.facebook.com/ResurgamRollingStock
E-mail: davidwilliams42@btinternet.com

BACHMANN USA

G scale 'Eggliners'

For 2020, Bachmann have announced two new paint schemes for their Eggliner Motive Power line. For those not familiar with these models, an Eggliner is a self-powered car that runs on DC track. It has a can motor with all-wheel drive and knuckle couplers.

There is a polarity selector switch so you can choose NMRA Standard or Large Scale polarity.

The Police (Item No. 96286) and Fire Rescue (Item No. 96287) Eggliners will also feature flashing roof lights along with operating headlights and marker lights. They should be arriving late 2019.

MSRP of \$249.00

Bachmann USA

1400 East Erie Avenue, Philadelphia, Pennsylvania 19124, USA
www.bachmanntrains.com



PAUL FLETCHER

Vinyl lining

Paul is able to supply custom vinyls for the Mamod steam tram and the Roundhouse Clarence. These vinyls are computer designed and self adhesive as used on full size traction units

Prices:

Mamod - £16 a set

Clarence - £20 a set

Other sets can be custom made at similar prices on request, just send him an e-mail.

Paul Fletcher

hemlockvalley@btinternet.com



S & B MODELS

G Scale Bench

Bench in a classic, elegant design with decorative cast ends.

Choice of either green or brown seats

95mm Long • 23mm Wide • 50mm Tall

Sold in Pairs (2 green, 2 brown or 1 green and 1 brown)

Price: £8

S & B Models

www.ebaystores.co.uk/S-and-B-Models



JAMES HILTON CUSTOM MODEL RAILWAYS

Hudson Hunslet 24hp in 16mm

After the success of his run of 7/8ths scale Hudson Hunslets James Hilton has now announced plans for a 16mm model to be produced in 2020, the slightly later design 24hp Hudson Hunslet.

James specialises in designing custom models using CAD, laser cut and 3D printed plastics and etched metal combined with traditional model making and scratchbuilding techniques.

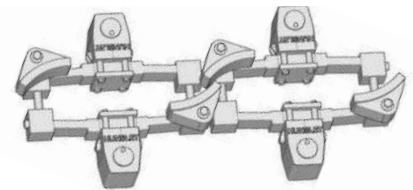
These models will be handmade at his workshop in North Wales and will feature 32mm gauge Slaters wheels of the correct size and pattern, compact gear-head motor and Delrin chain drive to both axles, like the prototype.

Control will be by a Deltang based radio control system with both receiver



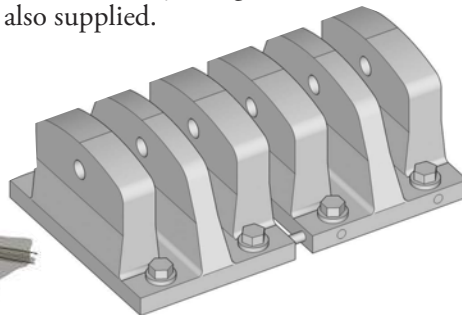
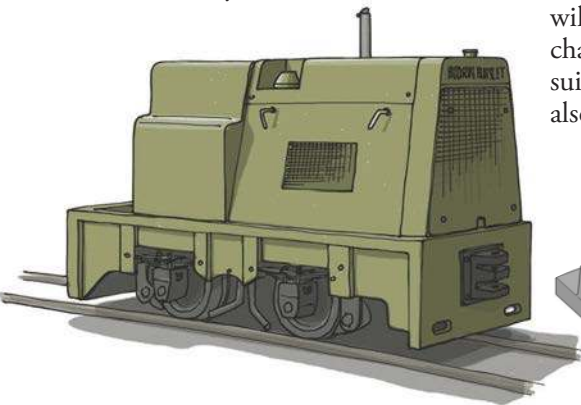
7/8th Hudson Hunslet

and transmitter supplied and bonded. Power will be from an onboard rechargeable battery and the model will feature a hidden on/off switch and charge socket on the underside with a suitable battery charger also supplied.



The batch in 2020 will be strictly limited, each model is anticipated to cost £750, but a firm price will be provided to all customers once their individual specification is made.

Expressions of interest can be made to: enquiries@jameshilton-cmr.co.uk
James Hilton Custom Model Railways
www.jameshilton-cmr.co.uk



THE AIRBRUSH COMPANY

Lifecolor primers

High pigment contents offering maximum

coverage. Suitable for brush or airbrush.

This set includes 6 x 22ml bottles of LifeColor water-based acrylic primers, ideal as a base to enable subsequent

layers of LifeColor acrylic paint to adhere to a surface.

LifeColor are water soluble acrylic colours for modelling and hobby. LifeColor is excellent for paint brushing or airbrushing on plastic, resin, metal, vinyl, wood, cloth and ceramic.

This set includes (6 x 22ml):

- BC01 Primer Panzer Dark Grey
- BC02 Primer Red Brown
- BC03 Primer Olive Drab
- BC04 Primer Tank Interior
- BC05 Primer Burned Base
- BC06 Primer Panzer Yellow

Price:

£22.50 per set.

£3.70 per 22ml pot.



The Airbrush Company Ltd

79 Marlborough Road (East), Lancing
Business Park, Lancing, West Sussex
BN15 8UF
www.airbrushes.com

BOWATERS MODELS

16mm rolling stock kits

New from Bowaters:

BMB-106 Bowaters Paper Railway 20
Ton Coal Wagon

BME-007 Bowaters Paper Railway
Hudson Hunslet 'Victor'

BMH-011 Welsh Highland Railway
Observation Coach 'Glaslyn'

These are scale kits coming complete
with bogies in the gauge of your choice

(32mm or 45mm) and Accucraft
couplings where appropriate.

All kits include postage to mainland
UK only with shipping to other
countries being at cost.

Please note, these are sold as advanced
scratch aids and will require some
details to complete them although they
are designed to be run as is for those
who wish to do so.

The images shown are of the first
prototypes and as such do feature errors

that have since been corrected.

The models are available now except
for Glaslyn which will be available at
Exeter.

Prices:

Glaslyn £130

Victor £160

Coal Wagon £55

Bowaters Models

www.bowatersmodels.co.uk



GARDEN RAILWAYS LIMITED

Regner in-line filter for water or gas

This inline filter has been developed
by Regner for their servo controlled
water pump and their steam powered
water pump and protects the pump
from impurities in the water.

Regner have found they are having
to service these pumps quite often and
the cause of failure is water quality, so
fitting one of these before the pump
will ensure the pump is kept clean.



The filter can also be used in a gas
line keeping the gas jet clear. The
filter bowl unscrews to replace the
filter core. These are the same filters
available for hand rolled cigarettes and

there are four included in the pack.
Thread size M5x0.5 the filter is 33mm
long and 23mm deep.

Regner WGL-Filter 20222

Price: £22.00

Garden Railways Limited

3 Plaw Hatch Close, Bishop's
Stortford, Hertfordshire, CM23 5BL
www.gardenrailways.co.uk



19 Station Road, Thorpe on the Hill, Lincoln, LN6 9BS
Telephone 01522 681989

NEW & RESTORED MODELS

Stationary engines, Mamod, Wilesco, SVS marine engines, MSS Locos, LGB Garden Rail, new & secondhand Mamod, Wilesco, Hornby Rocket spares available. I have large stocks of LGB, please enquire on new and secondhand. Obsolete spares can be made to order.

Send 4 x 1st class stamps for price list

SEE OUR NEW IMPROVED WEBSITE

www.tonygreensteammodels.co.uk

Email: tgsm1@btinternet.com



MANUFACTURER OF QUALITY
RESIN MODELS FOR 16MM

10 Waun Road
St Dials, Cwmbran,
Gwent, NP44 7JN



'Swift Sixteen' is an exciting new enterprise that offers high quality products in resin, brass and other mediums, for the 16mm garden railway modeller/enthusiast.

01633 485305
rdbush@ntlworld.com



Made in Wales

www.swiftsixteen.com



01904 611761
01723 377020



www.pshobbiesandmodels.co.uk

THE SHOP WITH THE STOCK IN STOCK!

North Yorkshire's Largest Premier Dealer for LGB & Massoth
FREE FITTING & Programming on all LGB and Massoth Decoders
Massive stock of parts and spares available for LGB
DCC Conversions a Speciality. Quick Service. Ring for details

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

Garden Rail Digital Library

Access 164 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.

Boxes, cradles, loco support & locos!

We have boxes, cradles, rolling roads, layout boards, plastic, customised - & so much more!

From our comprehensive range, we supply boxes & cradles, gas can adaptors, coal, charcoal, lighters, batteries, steam oil, motion oil, blowers, multi tools, the rain water filter station, 'Superior' filler bottles & much more

Just standard sizes?

No, we make any size box you want at no extra cost!!

We are proud to announce the new Darjeeling 'A' class in 16mm scale from Elbow Engineering, all being built in England

We still have a few Darjeeling 'A' class locos available. Gas fired - £2350, 32 or 46mm Gauge. Various Numbers & colours. Coal bunker and saddle tank options. Hidden burner in the cab.

G42 Garratt - just one left in the first hatch!

www.Loco-Boxes.co.uk 01223 864029

Malc's Models

Stockist of:

ACCUCRAFT • ARISTOCRAFT
BACHMANN • SPECTRUM • LGB
LILLIPUT • PIKO • SCENECRAFT

Open Mon-Sat 10am-5pm
Closed Weds & Sun

2-4 Pelham Street,
Ilkeston, DE7 8AR
Tel: 07786 896807
www.malcsmodels.co.uk
malcolmgrubey@btinternet.com

**MANUFACTURES OF LIVE STEAM
LOCOMOTIVE KITS IN GAUGE 1**

**BARRETT STEAM
MODELS LTD.**
WALSALL

Scale,
10mm : 1ft

New kits GER J65, LMS 2P with axlepump, LMS Royal Scot & rebuilt as coal fired, GW72xx plus numerous detail casting & spare parts, catalogue £3 or see website for more details

www.barrettsteammodels.co.uk Tel no. 01922 685889
Works:-47a Coronation Rd, Pelsall, Walsall, WS4 1BG

AirFramed

Bespoke Glass Display Cases
www.airframed.co.uk

OO gauge, O gauge, Gauge 1 and Gauge 3 cases with mirrored or clear back wall.

Prices start from £35 plus P&P

Please call Nigel Julian on 07971 741478 or 01332 781795
Email: nigel@airframed.co.uk

DJB Model Engineering Ltd

Visit our web site for full details of all our products including castings, steam fittings, whistles, Loco kits and RTR models

Find us on Facebook

**"Eleanor House" Sibthorpe Hill
Tuxford Newark Notts NG22 0PJ**

Phone: 01777 871047

E-mail:
pbailey262@btinternet.com
www.djbengineering.co.uk

Harecroft

True 16mm Scale Models and Detailing Parts
www.harecroft.co.uk

Wood Valley Works

Quarry Rolling Stock

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

SM32 Gauge Only

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

16mm Narrow Gauge Modellers

Run your own narrow gauge railway in your garden!

Join Today!
by Direct Debit or Credit Card :
01778 392016 www.16mm.org.uk

MAXITRAK.COM

The best of model rail and road

PAY MONTHLY

5" Quarry Hunslet 'Alice'

Painted Kit £3995
Ready to Run £4480
Minimum 8ft radius

Back by popular demand!

10/11 Larkstore Park, Lodge Road, Staplehurst, Kent, TN12 0QY Tel : 01580 893030 Email : info@maxitrak.com

AC-12 CAB FORWARD

Gauge One Live-Steam, Butane fired ...

Sold out from factory, we have the last one in stock!

MBV SCHUG Neustrasse 18 D-54340 Detzem / Germany
Phone +49 6507 802326 Fax +49 6507-802327 www.accucraft.de

We speak english!

MyLocoSound £59

Light Diesel now with Simplex

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 7¼" 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

Spoerer products now at Fosworks of Blackburn
01254 814675 E-mail sales@fosworks.co.uk

GRAND RAFFLE

Accucraft
7/8ths
Bagnall
Live Steam
Engine -
Worth £1250



£2
per ticket

3 for £5

Purchase tickets online www.rheidolrailway.co.uk or call 01970 625819

Timpdon MODELS

Timpdon Coaches



For the ones not familiar with our coach range, they're available as a kit or as a finished ready to run model – which are proving very popular.



It's now becoming quite common for people to re-order more stock, telling me (and hopefully others within earshot) how pleased they've been with their purchase. In fact over the years we've only had one complaint – that they were too cheap! (I offered to rectify this for just that one customer, but he immediately withdrew his comment).



They are available as a tiny one compartment, right up to the four compartment bogie version. A Parcel Van, Guard's Van and Composite Coach compliment the passenger coaches perfectly so you can make a train to suit your line.



Of course they all have real glass (even in the little windows of the guard's duckets) and the hard-wearing nylon wheels make for smooth running.



Kit: Not too hard to make, with easy to follow illustrated instructions. Everything's included.

Pre-Made: Available in either maroon or green.



Visit the website to see the full range and click on the pictures for a clearer view. Be warned though, my photography skills are pathetic and the colours really do match across the range – just not in the pictures.

See this and more at: www.timpdonmodels.co.uk

ADVERTISERS' INDEX

Accucraft UK Ltd	13
Airframed Glass Display Cases	56
Anoraks Anonymous	41
Anything Narrow Gauge	11
Barrett Steam Models Ltd	56
Bole Laser Craft	41
Cambrian Model Rail Ltd	29
Czech House Ltd	43
DJB Model Engineering Ltd	56
Dream Steam Ltd	2
Ellis Clark Trains	21
Fosworks	11
Frome Model Centre	29
Garden Rail Outlet	41
Garden Railway Specialists	63
Gauge 1 Model Railway Association	12
Gaugemaster Com	27
Harecroft	56
Hatton's Model Railways	60 & 61
I P Engineering	14
Jackson's Miniatures	14
John Sutton Books And Models	12
Kent Garden Railways	15
Km1 Modellbau	5
Loco-Boxes	56
Malc's Models	56
Maxitrak Ltd	56
Mbv Schug	56
Meridienne Exhibitions Ltd	43
Micron Radio Control	11
Modeltown	41
My Loco Sound	57
North Pilton Works	45
Old Mill Farmhouse	43
P & S Hobbies & Models	55
Rails Of Sheffield	28
Resurgam Rolling Stock	43
Roundhouse Engineering Co. Ltd	45
Strikalite	45
Swift Sixteen	55
Tee Publishing Ltd	29
The Assoc 16mm Narrow Gauge Modellers	56
The G Scale Society	14
The Yorks Group 16mm Narrow Gauge Modellers Ltd	14
Timpdon Models	57
Tony Green Steam Models Ltd	55
Trackshack	64
Vale Of Rheidol Railway Ltd	57
Vectis	12
Wilson Locomotives	29
Wood Valley Works	56



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

RAILCARS

Referring to your "View from the End of the Platform" column in this month's Garden Rail. I enclose a photograph of my model of the NATS Wickham railcar used on the Isle of Man. Completed in June last year, it was scaled from photographs

obtained from the Internet.

Having a small garden layout, 14' x 5' 3", I am restricted to small rolling stock. I had intended to model the IOM "Cabbage" but decided that with only a couple of suitable bogie coaches it would be too large for my layout.

Having just completed a motor coach, I find that this struggles on my layout's

two foot radius curves. I hope that it will run better at a friend's get together on his good sized garden railway next weekend.

Neil Helsby

Editor: I knew that NATS railcar would make a nice model!



A LOW COST SIGNAL BOX

I could not find a suitable signal box kit at GRS and can not afford a Brunel Models version.

Looking through my old bound volumes of *Model Railway News*, I

located a suitable set of drawings which I scaled up to 1:32 for Gauge 1.

All of the wood and ply was from off-cuts in the spares box and the doors and windows came from a Postman Pat coach.

The steps came from another model passed on from the grandchildren.

Railings are made up from cooking sticks from Waitrose.

So the only cost to date has been the ivory spray paint from the local art and craft shop.

Painting to be completed later, and I hope to locate suitable brick and tile paper next time we see a dolls house shop.

John Perkin

Editor: Windows from a Postman Pat coach, railings from cooking sticks – I never cease to be amazed by ingenuity of Garden Rail readers.



DIARY DATES

Date: 28th Sept
Event: The Yorkshire Garden Railway Show
Venue: Elsecar Heritage Centre, Wath Rd, Elsecar, Barnsley S74 8HJ
Organiser: The Yorkshire Group of 16mm Narrow Gauge Modellers Ltd

Date: 12th October
Event: GIMRA Trade Show and AGM
Venue: Statfold Barn Railway, Ashby Road, Tamworth, Staffordshire. B79 0BU
Organiser: The Gauge One Model Railway Association
Web: www.g1mra.com

Date: 17-20 October 2019
Event: Midlands Model Engineering Exhibition
Venue: Warwickshire Event Centre, A425, Southam Road, Leamington Spa, CV31 1XN
Organiser: Meridienne Exhibitions Ltd
Web: www.meridienneexhibitions.co.uk
Times: 10am – 5pm (Thurs-Sat) 10am-4pm (Sun)
Admission: Adult £10.50 Senior £9.50 Child £4.00 (on-line booking discount available)
Exhibitors: See website for full details
Additional info: Free parking, refreshments

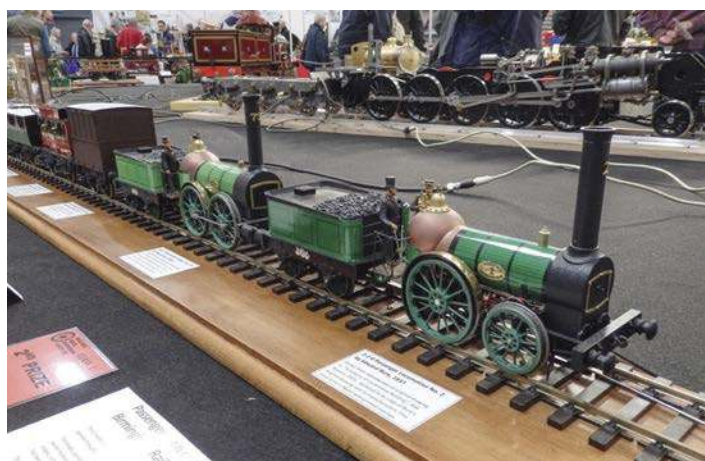
Date: 26 October 2019
Event: Exeter Garden Railway Show
Venue: The Matford Centre, Matford Park Road, Marsh Barton Ind Estate, Exeter, EX2 8FD
Organiser: South Devon Garden Railway Group Limited
Web: www.exetergardenrailwayshow.com
Times: 10:30am – 4:30pm
Admission: Adult £7 Concessions £6 Child free
Exhibitors: 25 layouts and 40 trade stands. See website for full details
Additional info: Being all on one level the venue is wheel chair friendly and there is an excellent restaurant on site.

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 the Contents page.

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.

Preview: Midlands Model Engineering Exhibition



The MMEE is established as one of the leading model engineering exhibitions and the second longest running show of its kind in the UK. At four days in duration it is a comprehensive and full exhibition for everyone to enjoy.

Over 45 of the leading suppliers to the Model Engineering world will be present. The exhibition showcases hundreds of models from nearly 40 societies and clubs.

There are also a wide range of outside attractions to see, like the well regarded 5" gauge outdoor track, operated by the Coventry Society of Model Engineers and the Polly Owners Group. The magnificent Fosse Way Steamers will also return with a varied display of model traction engines. There will also be a full programme of demonstrations and lectures focusing on foundry work, gear cutting, 3D

printing, 3D modelling and an EDM machine to name a few topics – full details will be published in September on the event website.

The exhibition remains focussed on the core model engineer modellers who have a real passion for what they do - whether they be new to the hobby or experienced and acknowledged modellers.

For more details, see: www.midlandsmodelengineering.co.uk ■



SELL YOUR SECONDHAND LOCOS & ROLLING STOCK FOR CASH

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

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



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

Mr A Manning, Ipswich

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

Mr P Shaddock, Portsmouth

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

Mr D Spottiswoode, Kilmarnock

ALL brands purchased including:



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

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

17 Montague Road, Widnes WA8 8FZ

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

*Same day payments apply for collections received Monday to Friday before 2pm. Any collections received after 2pm will be paid on the next working day. Please note: In the unlikely event that we revise our offer price for your collection, you will be paid after responding to our offer.

For full Terms and Conditions, visit hattons.co.uk/preownedterms

O Gauge Class A3 & A4 Locomotives

Hatton's has teamed up with Heljan to produce O Gauge models of the Gresley Class A3 & A4 locomotives as well as accompanying Gresley Teak coaches in a variety of liveries.

We have been working in conjunction with the National Railway Museum to ensure that these iconic locomotives are brought to life in O Gauge so people can have a piece of the National Collection in their own home.



3D printed samples shown

Each locomotive will measure around 50cm in length and weigh in excess of 2kg.

Variations available to order

Class A3 4-6-2 - £750

- H7-A3-001** 2750 "Papyrus" in LNER Grass green
- H7-A3-002** 4472 "Flying Scotsman" in LNER Grass green
- 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
- H7-A3-007** 60103 "Flying Scotsman" in BR green with late crest



Class A4 4-6-2 - £750

- H7-A4-001** 2509 "Silver Link" in LNER silver
- H7-A4-002** 4468 "Mallard" in LNER Garter blue - Record Breaking condition
- H7-A4-003** 4468 "Mallard" in LNER Garter blue - As Preserved
- H7-A4-004** 4489 "Dominion of Canada" in LNER Garter blue
- H7-A4-005** 4464 "Bittern" in LNER Garter blue
- H7-A4-006** 60007 "Sir Nigel Gresley" in BR express blue
- H7-A4-007** 60012 "Commonwealth of Australia" in BR green with early crest
- H7-A4-008** 60009 "Union of South Africa" in BR green with late crest
- H7-A4-009** 60008 "Dwight D Eisenhower" in BR green with late crest



For more information check out our website at: www.hattons.co.uk/recordbreakers

Outsmarting a smart charger

Dead batteries? Ray Waters explains how he resurrected a set.

Double Fairlie 'Eric The Earwig' emerges from Moelwyn Tunnel

When I went to get out the battery 'tow truck' for our electric Double Fairlie it had been left turned on and I hadn't used it for months. No surprise then that the batteries were completely flat and nothing happened when I tried the loco.

What really worried me was connecting up my "smart charger" and finding it wouldn't recharge the batteries. Phrases like 'deep discharge', and 'unrecoverable power pack' rattled through my head. However, it seemed worthwhile to have a go at resurrecting the Nickel Metal Hydride batteries, and the following is the straightforward tale of what I did it.

To start with the battery wagon switch was set for "charging", with a spare charging plug in the wagon socket and a voltmeter used to carefully measure the battery pack voltage. When doing this measurement care had to be taken to ensure the voltmeter probes didn't short circuit the batteries. I got a reading of 0.3 volts from a pack that should have been giving around 14 volts.

Now, I knew my smart charger was capable of charging different numbers of batteries. In my simplistic way, I reasoned it must measure the

residual voltage of a normally discharged battery pack, and perhaps the current it's supplying, to work out how to fully re-charge the pack. Therefore, again simplistically, if I'd connected the charger to a pack with an output voltage of 0.3 volts it wouldn't bother to try to re-charge it.

I decided to use an old, simple, power supply to try to get some charge into my dead battery pack. With any luck I would then be able to use my smart charger to complete the recharging process.

Not wanting to damage either of my chargers, I cut one wire of my charging lead and inserted an ammeter which allowed me to monitor the charging current that, according to the writing on the back of my smart charger, should be up to 500mA.

The old charger allowed me to select 2, 5, 8, 12, or 15 volts. I started with 2 volts and worked my way up through the stages. At each stage the charging current rose initially (but never above 500mA) and then after a few minutes fell away. When I'd finished I re-plugged in my spare charging plug and



The battery tow vehicle with test plug inserted (Photo: Brenda Waters)

used the voltmeter to confirm I was now getting volts from the battery pack.

Finally came the big moment: trying the smart charger. To my relief I got the normal light sequence from the charger light (flashing reds and greens followed by a steady red that confirmed charging was taking place).

After a few hours the green "fully charged" light came on; however, I thought it wise to let the pack rest for a bit and then re-connected the smart charger. It took a couple of hours for the charge light to turn green, so I repeated the process one more time.

I'm happy to report that our battery electric Double Fairlie has now done numerous laps of our track.

Quite "smart" really, except that it wasn't really "smart" to leave the truck turned on in the first place! ■



Garden Railway Specialists

Gauge 3 (64mm) the largest practical scale in which to build a scenic garden railway, and with a scale of 1:22.5, it is very compatible with G45 and other narrower gauges.

GRS offer a large range of rolling stock options for Gauge 3, mostly in kit form but also ready to run. Currently we can offer three R-T-R Collett coaches in GWR or early BR livery; -

G3782 Corridor 3rd Diag. C77 **£1299.00**

G3780 Brake Composite Diag. E159 **£1299.00**

G3781 Corridor Composite Diag. E155 **£1299.00**

(any mix of 4 of the above for **£4996.00**)

Examples of our Coach kits include two SR (ex LSWR)

coaches **SG1640** 51ft 1st/3rd **£379.50**, and

SG1641 51ft Brake 3rd **£399.50**



Also the ubiquitous LMS Stove Passenger brake van

CMD1625 **£331.40**

Freight stock is also well represented in our range and currently includes; -

DG1809 GWR Conflat **£78.58**

CM201 GWR furniture container **£41.95**

CM206 Insulated container **£39.50**

CMD1889 Lorient M **£99.42**

DG1857 LMS 12 ton ventilated Plywood Van **£124.50**

CMD1885 LMS 20 ton Brake Van **£159.95**

DG1861 LMS 6w Milk Tanker **£149.75**

CMD1891 LMS 12t Cattle Wagon **£99.42**

CMD1897L LMS Palethorpes Van **£292.03**

DG1808 LNER 13t Mineral Wagon **£95.00**

CMD1896 RCH Oil Tanker **£149.75**

CMD1895 SR (ex LSWR) Brake Van **£140.43**

This range represents a snapshot of our current Gauge 3 stock, new models are always in preparation, old ones are often improved and re-introduced, please check our website for the latest developments

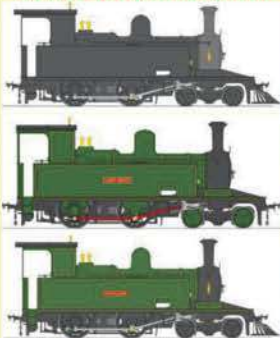
Garden Railway Specialists Ltd

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

Accucraft Live Steam Locomotives
Booking Now
 Dates and prices may vary
NEW ANNOUNCEMENTS!



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! Tallylyn 0-4-2ST Due
 Early 2020 or later, estimated
 price £1650, 32 or 45mm
 gauge, available in TR Green,
 Indian Red or Black.



NEW! Lawley Beira/SAR 4-4-0
 tender, due late 2020 or later,
 estimated price £2950,
 available in Beira Green, SAR
 Green and SAR Black.



In Stock. 7/8ths Bagnall 0-4-0
 ST Man. £1250, R/C £1550



In Stock Exe, Taw or Yeo
 electric only, £1550



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

TRACKSHACK *Live Steam Garden Railways*

NEW! New Live Steam Locomotives from Accucraft
Booking Now

Both are freelance locomotives with design inspirations from Manning Wardle aimed at providing a robust, entry level model which is easy to maintain and operate. They now have the sophistication of simplified Walschaerts valve gear and slide valve cylinders for a smoother performance and enhanced delivery of power



Talgarth 0-4-0T Booking Now -
 Delivery expected 3rd Quarter
 2019 or later.



Sabrina 0-4-0ST Booking Now
 - Delivery expected 3rd Quarter
 2019 or later.
 Talgarth and Sabrina new
 prices - Manual Control: £1050,
 Radio Control: £1350 *for pre-*
orders only, if ordered when in
 stock Man. £1095, R/C £1395.
 (Note: Blue not available on
 production locos).

Roundhouse Diesel Locomotives

All Roundhouse Diesel locomotives are now built to order with approx. 11 weeks delivery



NEW! Hercules 0-4-0D Radio
 control £550



Little John 0-4-0D R/C Battery
 electric, £602
Merseysider R/C £755, with
 sound £875

Harlech Castle 0-6-0D R/C
 Battery electric £919, with
 sound £1055, FR yellow band
 additional £40

Darjeeling NDM6, 0-4-0D, R/C
 battery electric £1252, sound
 £1355

Bulldog 0-4-0D R/C Battery
 electric £634

Roundhouse Live Steam
Booking Now



Darjeeling Garratt with 2.4GHz
 R/C, Nov 2019, £3875



Silver Lady 0-6-0T Mar 2020
 Manual £1700, R/C £1915



Katie 0-4-0ST April 2020
 Manual £1345, R/C £1585



Fowler 0-6-2 tender, Apr 2020
 Manual £1625, R/C £1850



Lilla 0-4-0ST April 2020 Manual
 £1575, R/C £1799

Clarence 0-4-0 Tram May
 2020, Man £1565, R/C £1700

Leek & Manifold 2-6-4T May
 20 Manual £1800, R/C £2020

WD Alco 2-6-2T May 2020,
 Manual £1900, R/C £2130

Lady Anne 0-6-0T July 2020
 Manual £1410, R/C £1595

Russell 2-6-2T, Jul 2020, Man.
 £1725, R/C £1895

Billy 0-4-0T August 2020
 Manual £1345, R/C £1585



David Lloyd George
 0-4-4-0T Double Fairlie Radio
 Control Only.
 £4100 Aug/Sept 2020
Darjeeling B 0-4-0ST Sept
 2020 Manual £1930, R/C £2145

Basic Series – Bertie, Millie &
Sammie, all £660.

Jennie, 0-4-2 tender loco.
 £785.

All built to order delivery approx.
 11 weeks delivery.

Accucraft Ready To Run
Rolling stock



NEW! IOM Pairs half brake
 bogie coach 2019 or later,
 pre-order now£175



L&B Bogie brake van in Light
 Grey Data Only, in stock.....£85



L&B Bogie Open Wagon in SR
 Brown, in stock.....£80



L&B Open wagons, SR brown,
L&B Grey.....£55



L&B Box vans, SR brown, L&B
 grey, SR brown data only. £60



L&B Brake Vans, W&L grey
 livery, light or GW Grey data
 only.....£75



IOM coach, compo only, in
 stock.....£150



L&B coaches, 2 types in
 stock.....£150



IN STOCK! L&B 'Howard' van, Aug
 2019, or later, SR Brown 4
 numbers, L&B Grey data only..£100



Arriving soon, date or £ may vary
Pre-Order now!



IOM 'G' Van, early or late livery, or
 data only, available with or without
 portholes. 2019 or later, pre-order
 now.....£80

Peco SM32, G45 & G1 Track

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.....£4.92
 Gauge 1 1 x 3' flexi track.....£10.50
 Gauge 1 12 x 3' flex track ..£112.00
 Gauge 1 points L or R£84.50

- Clear live stock levels!
- Unbelievably fast dispatch!
- Legendary rapid low cost UK delivery!
- Free delivery on orders over £200!
- Award winning customer service!
- Fast, easy to use website!



We constantly compare our prices
 to ensure that you get the best deal
 at Track-shack.com

FREE UK DELIVERY on all orders over £200. Smaller orders no more than £4 per shipment. For quality customer service and delivery, ring Jane or Neil on 0330 0885759 (UK local rate) or shop at www.track-shack.com Whilst we carry good levels of stock many locos sell out before they arrive, to avoid missing out we recommend you pre-order, no deposit required. 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