

THE WARRIOR

The Newsletter from the LMS-Patriot Project
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£2

The LMS Patriot Co. Ltd. Company Registered in England & Wales No. 6502248 Registered Charity No. 112352

Royal Scot Tender Obtained for 'The Unknown Warrior'

By Andrew Laws



The LMS-Patriot Project has acquired a second Fowler tender that was originally built for a 'Royal Scot' class loco. The ex Barry scrapyard tender, has been purchased from the East Lancashire Railway at Bury, and will be stripped for a thorough assessment and will be considered for restoration and eventual use with 'The Unknown Warrior'.

The first tender which was acquired in May 2010 from Barry scrapyard was earmarked for use with 'The Unknown Warrior' but the frames were found to be severely corroded when stripped. This tender has already yielded useful parts, including 3 wheelsets, which have been refurbished at Tyseley Loco Works, six springs which have already been refurbished at Owen

Springs of Rotherham, two axle boxes and brake gear. The second tender, number 3918 will yield further axle boxes and two spare wheelsets. The other wheelset has already been used on the 42765s tender which was recently restored at the ELR and is now resplendent in LMS crimson lake livery bearing the number 13065. Tender number 3918 was originally built for LMS Royal Scot number 6131 'Planet' (the name was subsequently transferred to a 'Patriot' when 6131 was named 'The Royal Warwickshire Regiment' in 1936 and the name 'Planet' was subsequently applied to rebuilt 'Patriot' number 45545 in 1948). Tender number 3918 was then transferred to LMS 'Jubilee' number 5557 'New Brunswick' in October 1936, and later was paired →

with Fowler 4F 0-6-0s. The tender entered Barry scrapyard paired with 4F 0-6-0 number 44422 in August 1965, whose final allocation was Bristol Barrow Road. 44422 was subsequently bought and restored to working condition with another Fowler tender. 8F 48173 and tender number 3918 were later bought by a group at the Avon Valley Railway. The group later sold the tender and loco to Greg Wilson at the Churnet Valley Railway, who subsequently sold the tender to the East Lancs Railway

as a source of spares for 42765's tender which required a replacement wheelset.

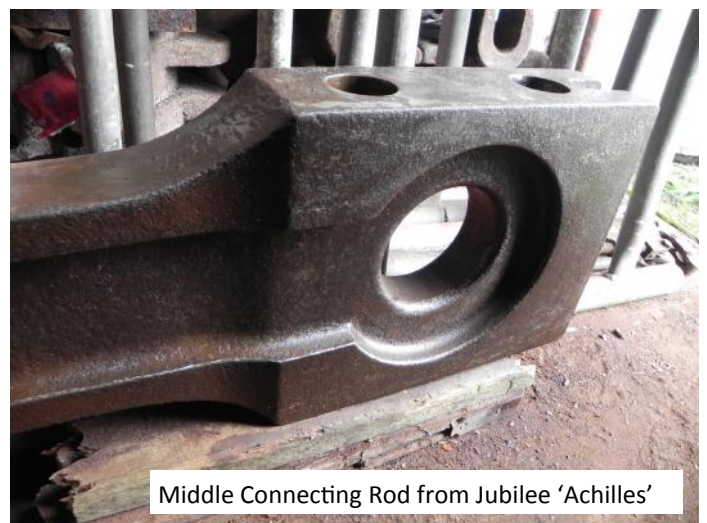
It is expected that the frames from tender number 3918 will be taken to Llangollen during September and stripped at the Llangollen Railway Works for possible use with 'The Unknown Warrior' using the wheelsets, springs and 2 of the axle boxes from the Fowler tender acquired from Barry scrapyard. A new tender tank will be built.

Engineering Update

By David Bradshaw

The next major items that will be completed are the driving wheels. Assembly of the 6'9" wheelsets has been delayed as unfortunately, as an error occurred in the machining of the keyways in three of the driving wheels and this necessitated remedial action which has only just been finished. The wheels are now at South Devon Railway Engineering where we expect them to be assembled into wheelsets by the end of the year. The material for the crank axle, the other two axles, tyres and crankpin material has all been paid for and has been waiting at Buckfastleigh for the remaining three wheels to arrive. All the items needed for wheeling are in the process of being machined. The biggest single item and cost is the machining and assembly of the axle boxes which has been contracted to Bob Meanley at Tyseley Locomotive Works who will deliver a set of boxes ready to install under the engine.

So far in the financial year beginning April 2011 we have taken delivery of 6 driving wheel springs along with 6 Tee pieces, 12 spring hangers and the associated pins to allow the springs to be fitted when the wheelsets are finished. The spring hangers and associated fittings have



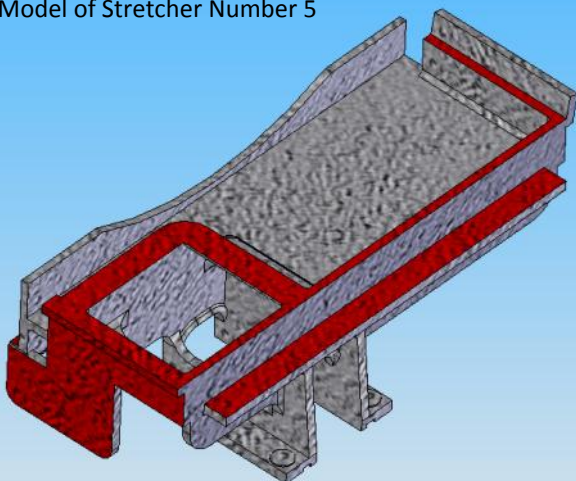
Middle Connecting Rod from Jubilee 'Achilles'

been machined and the spring hanger brackets and four of the five stretchers have been fitted to the frames along with the spring hanger brackets.

We have also bought a significant amount of motion from scrapped Jubilees (which was standard with the motion fitted to the Patriots), including a recent purchase of an inside connecting rod from the Bahamas Locomotive Society which was acquired as a spare for 45596 over 40 years ago. This rod like the outside connecting rod was formerly attached to Jubilee class engine No 45697 'Achilles'. The grant to refurbish the motion has now been received from Cadwyn Clywd – the rural development agency for Denbigshire. The final connecting rod (giving the project around 85% of the motion required) was forged by Somers Forge Ltd. of Halesowen on the 14th June and the remaining 15% of the motion will be sourced as soon as funds become available. We were delighted to find that the two front LH and RH sections of the coupling rods we have acquired originally ran under 5546 'Fleetwood' before being fitted to 45699 'Galatea'.

One of our corporate sponsors Bromborough Paints have kindly agreed to sponsor the painting of the →

3D Model of Stretcher Number 5



frames which we hope to begin in the early Autumn.

The next steps are to complete the bogie, for which we have acquired one wheelset, axle boxes and horns and have been promised the other set.

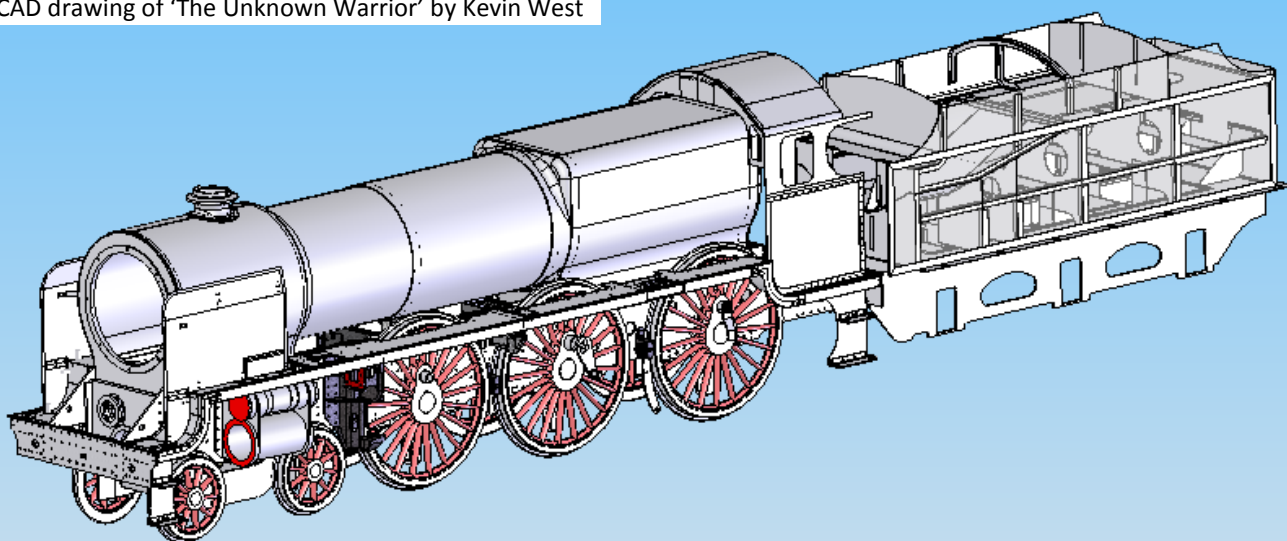
Drawings of stretcher 5 have been completed by Kevin West, Design Engineer and CAD Draughtsman for the Project, and whole raft of other drawings are currently being prepared. A pattern for the 5th stretcher is being made by Eddie Mocroft, master pattern maker at the Boro Foundry, which will enable a casting to be made – thus completing all five stretchers for the frames.

Further research is currently taking place into the manufacture of the cylinders and a decision on whether

to fabricate or cast them is expected by the end of 2012.

We have been invited to take 'The Unknown Warrior' to the Model Rail Show at Warley in November 2013 and it is our intention to have both cab and smokebox fitted to the engine by then. As many of you will know Warley is the largest model railway exhibition in the country and every year has a locomotive of some description on display. We believe it is somewhat of a coup for the Project that we were invited to display 'The Unknown Warrior' at the 2013 show. The organisers have agreed to fund the transportation of the locomotive from and back to Llangollen.

3D CAD drawing of 'The Unknown Warrior' by Kevin West



Be on the First Train Hauled by 'The Unknown Warrior'

Although the first livery to be carried by 'The Unknown Warrior' is yet to be determined by you our Membership, one thing that is certain is that the first train that will be hauled by 'The Unknown Warrior' will be at the Llangollen Railway. We expect that around 400 seats will be available on this very historic and special first train – and you could be on it!

Following a review of our fundraising strategy, we have agreed that we need to increase the number of donors to meet the £300,000 required to finish the rolling chassis, within two years. We have defined a rolling chassis as being the complete locomotive plus the smokebox but minus the boiler. At current rates of fundraising we will have raised sufficient money to do this but we also need to start work on the boiler, so the additional money raised over the first two years will go towards the boiler and tender. The money raised over the following three years will go exclusively towards the boiler.

To this end we have agreed to offer the opportunity of travelling on the FIRST train hauled by 'The Unknown Warrior' to the first 400 individuals who contribute £1500 to the project by September 2017.

To date around 100 individuals have reached this target or will do so by September 2017, consequently we are offering the remaining 300 seats on the train on a first come first served basis firstly to our existing members and then to new contributors/members. We will be contacting you shortly if you are already an existing regular donor or have donated at least £1500, to invite you on the first train. If you are not yet a regular donor, we will also be contacting you to invite you to consider becoming a regular donor, and thus by 2017 to have made at least £1500 in donations to enable you to qualify for an invitation on the first train. As places will be strictly limited on the first train, invitations will be offered on a first-come, first served basis.

Volunteer Spotlight - Gavin Shell, Events Manager

Gavin Shell is our volunteer Events Manager and works closely with the Sales and Marketing teams to arrange the events, galas and exhibitions that the Project attends. Gavin is one of the youngest members of the team has a retail background, working for a major supermarket in Nantwich, Cheshire. Gavin often attends as many events as he can and works enthusiastically on the sales stand. In April this year, Gavin gave up 8 days of his holiday to work every day on the sales stand during the hugely successful Steel, Steam and Stars 111 Gala at the Llangollen Railway.



Gavin Shell, is seen with one of our Limited Edition prints of 'The Unknown Warrior' at the South Devon Railway Spring Gala, in April.

How did you get involved with the Project?

While having an afternoon at Crewe Heritage Centre I bumped into the "Kinseys" and was unable to leave without joining! With Neil's excellent information about the locomotive and the project and Katy's persuasive techniques it was either this or leave with a sizable chunk missing from my wallet.

Why do you like Patriots?

Being only 26 I obviously don't remember them, but growing up in my "Railway home" I always liked the Philip Hawkins image, 'Birmingham New Street', above my parents' fireplace, with the image of a father with his young son admiring the Patriot, this along with the fact that there is no locomotive that looks like a Patriot in preservation was my attraction.

Why do you think lads such as yourself who are not old enough to remember steam get such enjoyment out of the hobby?

I would say the exact same reasons that every young lad in the 50s (like my father) did. It's the sound, smell and great looks of the living machine fighting to get to its destination. And living with a father like mine who took me to most heritage railways around the country and going on mainline railtours certainly helped.

As Events Manager, what do you do for the Project?

My role in the project is to contact various heritage railways around the country (I'm always looking for a reason to visit somewhere new!) I also arrange with our volunteers to attend such events to raise the profile of the project and try to get more volunteers to help out in the best way to help increase our membership to complete the locomotive for 2017.

What's your best achievement with the Project so far?

Successfully helping to raise over £3,000 this year at Steel, Steam and Stars 3 and gaining 10 new members in that 9 day stint (of which I did 8), but I plan to beat this at the next SSS event!!

What's your favourite event or gala?

For me there are two events that stand out, one is Llangollen, it's fantastic when people ask you how your progressing and you can just say come with me and I'll show you (when the sheds are open) the other is the Great Central, its galas are always full of enthusiasts who love to support the project and hear of our progress.

Where would you like to see the sales stand go to (where it hasn't yet been)?

Wow, that list for me is endless, but to go to the Bluebell Railway when it re connects with East Grinstead would be fantastic.

Would you encourage others to get involved and help out with the sales stand?

Completely, not only is it a fantastic way to raise money and probably the best way of being able to talk to people and get them to join, but it's also fantastic fun. I have made some Great Friends through the project.

What do you think they would get out of it by volunteering for the LMS-Patriot Project on our sales stand?

The knowledge of knowing that you're supporting a superb, growing project, and also get the most recent news in the project as well as at the end

of the day when the locomotive is built standing there and thinking to yourself - I was part of this!!!

Do you think there are enough youngsters or girls involved with steam generally?

While we can never have enough volunteers or new blood, everywhere I go I see so much youth in and around steam. And with the enthusiasm they show I can be happy to know steam will be "living" for a good while longer. And it's great to see ladies on footplate crews!

Where would you like to see 'The Unknown Warrior' in steam?

I have to answer this in two parts; on Heritage railways and on the Mainline. As a past volunteer at the Churnet Valley Railway on P/Way (had to stop as the LMS-Patriot Project now takes up all my spare time) I would love to see 'The Unknown Warrior' attack the Gradients up to Cauldon Lowe, and eventually to Alton Towers. And on the Mainline it would have to be an out of territory visit to the Devon Banks (being born in Devon myself!).

If you would like to volunteer on the Sales Stand please email Gavin:

gavinshell2@hotmail.co.uk or telephone Gavin on: 07875 975688



45546 'Fleetwood' is seen at Preston MPD in 1962. The front coupling rods off this very locomotive were later fitted to Jubilee 'Galatea' and have now been purchased for use on 'The Unknown Warrior'.

Boiler Appeal Launched by Pete Waterman

As you may have read in the railway press and elsewhere, we formally launched the £500,000 appeal for the boiler for 'The Unknown Warrior' at LNWR Heritage Ltd. at Crewe on 19th May. The event was attended by Pete Waterman, founder of LNWR Heritage, where the new boiler for 'The Unknown Warrior' will be assembled; Patriot Project Member and supporter Chris Hughes from BBC's Eggheads; the Mayor of Crewe, Cllr. Roy Cartlidge; Edward Timpson MP; and Dawn and Stuart Kay from the Crewe branch of the Royal British Legion.

Pete Waterman gave a guided tour of the Works to invited guests where the superb boiler work that is undertaken at Crewe could be seen.

So far the Boiler Appeal has raised around £30,000 for the copper for the Firebox. Further fundraising initiatives will be announced soon as we will need to raise funds for the boiler as well as continuing our general fundraising for the loco assembly.



Members' Day at Llangollen



Our second hugely successful Members' Day took place at the Llangollen Railway on 7th July, as the 175 of you who attended will remember. The sun shone on the day, for once during what has been a very mixed summer, which more than made up for the mostly wet 9 days of the Steel, Steam and Stars Gala in April! Despite some operational problems on the day at Llangollen with a shorter than expected rake of coaches being available, our two round trips to Carrog were

superbly hauled by 'Foxcote Manor', which was also worked a charter for its own Members later that evening. The day began with teas/coffees in the station café with the opportunity for Members to view the Corwen Exhibition in the exhibition coach in the Bay platform. George Jones, who manages the exhibition coach, reported very happily that he had never seen so many people visit the exhibition in one day! Members also got to see our 'Lost Motion' exhibition in the Robertson suite, which was put together as part of the £16,000 grant we received from Cadwyn Clywd – the rural development agency for Denbigshire. This grant is being used to pay for the

refurbishment of the motion parts which Members got to see as part of the Works tour during the middle part of the day. Progress of the assembly of the chassis could be seen during the works visit together with the multitude of newly machined parts and other second hand parts which have been acquired. During the day we raffled a replica 5551 smokebox number plate which was won by Member Ken Bradley on the day. Thanks to everybody who attended.

Membership Matters

By Richard Sant, Membership Secretary

Membership is now 707, having been boosted by a busy series of recent events each of which boosts the knowledge of the project in the eyes of the public and in turn increases membership and donations. Examples within the quarter have been South Devon Railway 4, Barrow Hill 6, Railfest at the NRM 10 and – of course – SSS3 at Llangollen 17. That is not to ignore all the other festivals the events team attend and those who enrol through the web. We have over 180 regular donors up to the end of June and expect another 3 or 4 each month. The average donation is £14.50, which with Gift Aid is just over £3500 per month. The aim is to encourage this form of regular income to reach £5000 per month or £60,000 per year. This will be a significant proportion of the build costs. We have now announced further fundraising initiatives to encourage more regular donors. Those donating £1500 will be invited to be on the first train at Llangollen to be hauled by 'The Unknown Warrior' - see page 3 - Be on the first train hauled by 'The Unknown Warrior'.

Items Wanted for Sales Stand

We are still looking for donated items for our Sales Stand. Good quality books, DVDs, model railway items, and railwayana are good money earners for the Project. Thank you to members who have donated items recently. All funds raised from the sale of donated items go directly to help building 'The Unknown Warrior'. If you have any items you want to donate, please bring these to the events that we attend, or contact Neil Kinsey (sales@lms-patriot.org.uk, telephone: 01773 832538).

Recycle for Cash

If you have any used PC inkjet cartridges, please contact us and we can arrange to send you a Freepost envelope, or you can drop off the inkjet cartridges at any of the events that we attend. Most branded types will generate cash for the Project except for Epson cartridges. Also if you have an old mobile phone that you want to recycle, please contact us.

Future Events

We will be attending the following events with our Sales Stand. Members are very welcome to come and have a chat, meet the team, and see our latest sales items. If you are interested in becoming a Member of our volunteer Sales Team, please contact **Gavin Shell (07875 975688)** or **Neil Kinsey (01773 832538)**.

Llangollen Autumn Steam Gala

Friday 31st August - Sunday 2nd September
Llangollen Railway

Maunsell Magic Gala at the Mid-Hants Railway

Friday 7th - Sunday 9th September
Ropley Station

Severn Valley Railway Autumn Steam Gala

Friday 21st September - Sunday 23rd September
Bewdley Station

Nene Valley Railway Autumn Steam Gala

Saturday 22nd September - Sunday 23rd September
Wansford Station, NVR

Great Central Railway Beer Festival

Friday 21st September - Sunday 23rd September
Loughborough Station, GCR

West Somerset Railway Autumn Steam Gala

Friday 5th - Sunday 7th October
Minehead Station

KWVR Autumn Steam Gala

Friday 12th - Sunday 14th October
Keighley Station (KWVR)

ELR Autumn Steam Gala

Saturday 20th - Sunday 21st October
Bury Station (ELR)

Remembrance Weekend Poppy Trains

Saturday 3rd - Sunday 4th November
Llangollen Railway

AGM

Saturday 10th November
Kidderminster Station Museum

The LMS-Patriot Company Limited**Building the New Royal British Legion Endorsed National Memorial Engine – ‘The Unknown Warrior’****Company Registered in England and Wales No.:** 6502248**Registered Office:** Barry Island Station Buildings, Barry Island, Vale of Glamorgan, CF62 5TH**Registered Charity No:** 1123521 **VAT Registration No:** 978 8801 48**Account Details for Direct Donations:** CAF Bank Ltd., Account no: 00092990, Sort Code: 40-52-40**Board of Directors and Trustees****Chairman:** David Bradshaw (chairman@lms-patriot.org.uk)**Company Secretary:** Richard Sant (membership@lms-patriot.org.uk)**Director:** Andrew Laws (Marketing and Publicity) (marketing@lms-patriot.org.uk)**Director:** Kevin Finnerty (Governance and Archive) (governance@lms-patriot.org.uk)**Director:** Steve Blackburn (Engineering and Quality Management) (engineering@lms-patriot.org.uk)**Director:** Richard Sant (Membership and Donations) (membership@lms-patriot.org.uk)**Director:** Neil Kinsey (Sales) (sales@lms-patriot.org.uk)**Director:** John Hastings-Thomson (Corporate and Commercial Sponsorship) (corporate@lms-patriot.org.uk)**Project Support****Treasurer and Administrator:** Claire George (treasurer@lms-patriot.org.uk)**Engineering Design Team:** Kevin West, Peter Rich, Fred James, Jack Cross**Documentary Video:** Andrew Kennedy, Oakwood Visuals**Events Manager:** Gavin Shell (events@lms-patriot.org.uk)**Marketing Support:** Kirsten Shell, Tim Beere**Sales Support:** Karen & Katy Kinsey, John Barrowdale, David and Carol Hancox, David Hughes, John Lancaster, Brian Johnson**Locomotive Assembly:** Dave Owen/Llangollen Railway plc**Project Address:**

PO Box 3118, Hixon, Stafford, ST16 9JL

Email:

Please direct your emails to the most appropriate person above.

Website:www.lms-patriot.org.uk**Newsletter:**

Designed and produced by the LMS-Patriot Project

Editor: Andrew Laws (marketing@lms-patriot.org.uk)

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