

# THE WARRIOR

The Newsletter from the LMS-Patriot Project

£2

September 2011

Issue 12

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

## Stourbridge MP Visits Boro Foundry

By Andrew Laws

As part of the 'Made in Britain' campaign Stourbridge MP, Margot James, visited the Boro Foundry, at Lye in the West Midlands, on 23rd August to survey one of the candidates shortlisted for the Made in Britain' Growing Business awards. Sponsored by Real Business Magazine, these awards recognise UK manufacturing industry.

Whilst there, Margot James inspected one of the newly machined driving wheels for 'The Unknown Warrior' and met David Bradshaw and Andrew Laws from the LMS-Patriot Project, and Bev Edwards from the Boro Foundry. Margot showed a genuine interest in the Patriot Project; she wished us well and expressed the wish to ride behind the new

'Patriot' when completed!

The West Midlands foundry is a specialised manufacturer of castings and machined parts. It is well suited for projects such as the LMS-Patriot Project because they are experts in manufacturing low volume, precision-engineered components. We have had six new driving wheels and other components—including frame stretchers and a centre bogie pin—cast by the Boro Foundry.

Other steam projects have also benefitted from the skilled workmanship of the Boro Foundry including the 82045 Steam Locomotive Trust, The 'Beachy Head' Project and the G5 Project.



Margot James MP, visiting the Boro Foundry, 23rd August .  
Photo by Bob Sweet

# Engineering Update

By David Bradshaw



Two of the frame stretchers after being cast at the Boro Foundry

One of the driving wheel webs after machining

It has been a busy couple of months, with September seeing the completion of several more castings and components.

Twelve Spring hanger brackets were cast and all four frame stretchers have been cast and machined before being delivered to the Llangollen Railway for fitting on the frames of 'The Unknown Warrior'.

Meanwhile, the first four horn guides have been cast and all six horn ties have been cast and delivered to Llangollen

As well as this, all driving wheel castings were completed during September with delivery to the South Devon Railway due in early October. All tyres and axles have already been delivered to the SDR. These have been sourced from South Africa. Crankpin material has also been delivered to the SDR.

Work on some other components has also commenced: all twelve spring hangers have been ordered, all six driving wheel springs (standard with the 'Jubilee' class with 14 leaves) have been ordered from Owen Springs, and Drawings for the six axlebox trunnions are being prepared. A number of smaller parts have been obtained and stored for the future.

## Other Items

The driving wheels have been non-destruction tested (NDT'd), have been final machined and had the keyways cut in the West Midlands. Driving wheel 5 needed remedial work prior to Non Destruction Testing and machining. Webs for the inside crank axle have been

manufactured and machined in the West Midlands and will be delivered to the SDR with the wheels. By the beginning of October all materials necessary for the assembly of the wheelsets will be with the SDR, who will commence assembly immediately.

All the tender springs have been overhauled by Owen Springs at Rotherham. The wheelsets have had the tyres turned and journals ground true at Tyseley Loco Works. Tender frame drawings are being borrowed from the London Midland Society 4F group at Bitton and new frames will be made as the existing ones are beyond economic repair. A pattern for the axleboxes has been ordered as only two of the six on the tender are repairable.

Platform steelwork drawings for the running plate are currently in preparation with anticipated completion by end of October then quotes for manufacture and fitting will be obtained. The tender tank drawings have now been completed

Overall we are on course for 'The Unknown Warrior' to be on its driving wheels by June 2012, subject of course to raising the £40,000 required for the final machining and assembly of the wheelsets. These should be at Llangollen for viewing during *Steel, Steam and Stars 3* next April.



# Patriot Project Volunteers



In the first of a new series featuring people involved with the Project, we have a chat with Neil and Karen Kinsey who live in Derbyshire. As many of you will know, Neil and Karen do the sales stand at many of the events that we attend. What a lot of people won't know is that Karen does a lot of admin on a voluntary basis and Neil is helping on the engineering side, and has already helped to make the smoke deflectors for 'The Unknown Warrior'.

Neil, what's your earliest memories of 'Patriots' in BR days?

I saw 'Lady Godiva' go past my auntie's garden.

Neil and Karen, what made you get involved with the Patriot Project?

In 2007 I wrote a letter to Steam Railway about new build projects pointing out that there were no LMS projects and that if there were I would like to see a new 'Patriot'. A couple of months later I saw the article about the Patriot Project in SR and contacted David Bradshaw straight away. Karen became involved as it is something we can share as a couple.

Neil and Karen, what's your involvement with the Project?

We are involved with sales, going to events with the sales stand. Karen keeps the records of sales and also does a lot of work ordering goods and sending out mail order sales. I have also been sending articles about the project to

my local paper The Derby Telegraph, and will continue to do so as the project progresses. I have been involved with acquiring some manufactured parts for the loco, including helping to get the smoke deflectors manufactured.

Neil, What's the best bit about volunteering for the Project?

Watching the project grow and move forward has been very rewarding, especially as it has moved at a remarkable pace. It's always good to talk to people at events.

Karen, where's your favourite sales event?

The Great Central Railway is always a great place to go. We're always made very welcome, and lots of people come to talk to us at Loughborough station.

Neil and Karen, what's been the highlight of the Project so far?

There have been quite a few but seeing the driving wheels cast and machined really gives a sense of scale of what we're doing.

Neil, where would you like to see 'The Unknown Warrior' visit on the mainline?

Derby, of course. Where the class was designed (and my home town).

If you would like to become a volunteer with the Project, please contact us either by e-mail or by post. Our contact details can be found on the back page of this newsletter.

# Sold! £250 for the Patriot Painting!



**Patriot Painting raises funds**  
Mr Dixon and his son receiving  
the painting at Llangollen

In the last Warrior newsletter, we appealed for bids for the stunning oil-on-canvas painting of 5551 'The Unknown Warrior', in lined LMS black. The painting was kindly donated to the Project by Llangollen Railway volunteer and Patriot Project Member, Jayne Cerys. We are pleased to announce that it has been sold.

The highest bid received was from Mr Dixon, and his son, who happily handed over a cheque

to the Project for £250 at the Llangollen Railway Autumn Gala. Thank you very much to the Dixon's and to Jane for donating the painting.

For those who missed out on this wonderful prize, do not despair, A3 size prints have been made available for £8, including P+P. If you are interested in purchasing a print of this beautiful painting please contact us.

## Sales and Donations Needed!

We are looking for good quality model railway items (any gauge), second hand books and DVDs for our Sales Stand. Please drop these off at any events or galas that we attend, or contact us to arrange for items to be collected. Income from the sales stand is rapidly increasing, so we are constantly looking for good items that we can sell.

Please keep your empty Canon, Dell, HP,

Lexmark, Brother, Samsung, Philips, Sharp or Xerox ink cartridges. Epson cartridges are valueless but they are still recyclable. Please also keep your unwanted mobile phones. Don't forget that broken, faulty, and locked phones still have a value and we can recycle these.

Please don't send them to us directly. If you have any of the listed cartridges, please email or contact us, and we will arrange for a FREEPOST recycling bag to be sent out to you.



# Membership Matters

By Richard Sant

Membership is now over 500, having picked up again following a slow down over the summer. We have 168 regular donors up to the end of August and expect another 4 or 5 each month. The average donation is £14.65, which with Gift Aid is just over £3000 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.

However, we will accept direct payments to our bank account (details on the back of the Newsletter) from your own bank. We will also accept membership payments by standing order. Please make reference to 'Membership' if setting up a standing order and let us know, as there has been some confusion in the past with donations and membership fees!

As you know we are trying to keep postage costs under control by emailing this Newsletter to you. If you currently receive this Newsletter via the post, and would like to receive via email, please get in touch with us. Thank you to all members who enclose

an SAE with their membership renewals as is traditional with heritage railway organisations. However, since I use C5 envelopes for reply which are quite large, I'm afraid that I have to return your SAE to you. But I'm very grateful to those who just send a second class stamp - during 2010-11 we spent approximately £4000 on postage so every little helps!

We still have a small number of Raffle Tickets available to buy before the draw at the AGM - please email or call 01889 271058. Any left will be brought to the meeting.

An additional 200 copies of the last Warrior were supplied in June by our printer - free of charge. This is Warrior #11 with the feature article about the visit by Terry Scuoler (Chief Executive of the Engineering Employers' Federation) to Llangollen Railway. This would be useful for those of you who may be members of other railway organisations, and would like to spread the word about us.

## Future Events

The Third Patriot Company AGM is due to take place at Derby Roundhouse, next to Derby Midland station, on Saturday 12<sup>th</sup> November (the day before Remembrance Sunday). Details will be posted out in due course. The historic roundhouse, which was constructed by the Midland Railway, is easily accessible from all parts of the country by train and parking is available for those of you travelling by car. Derby College now uses the Grade 11 listed roundhouse, for teaching space, events and functions. Hope to see you there! Our Sales Stand will also be at the AGM, so you can buy Christmas gifts for friends and family.

Another date for your diary is Steel, Steam and

Stars 3, organised by our colleagues at the Llangollen Railway, the Betton Grange Society. The mammoth 9-day all steam mega gala is due to take place on April 21<sup>st</sup> - 29<sup>th</sup> next year. The Llangollen home fleet will be running together with an impressive line up of 60163 'Tornado', 70000 'Britannia', the LNWR 'Coal Tank', LNWR 'Super D' 49395, 5199 and 'N2' 0-6-2T No. 1744. More info from: [www.steel-steam-and-stars.co.uk](http://www.steel-steam-and-stars.co.uk)

After the success of the 2011 Members' Day at the Llangollen Railway, the 2012 Members' Day has been provisionally arranged for Saturday June 9<sup>th</sup> 2012. Please keep this weekend free if you would like to attend next year at the Llangollen Railway!

# LMS-Patriot Project Sales Items



£55 + £4.95 P&P

£5.50 + £2.75 P&P

£6.50 + £2 P&P

£2.50 + £1.50 P&P

£6 + £1.95 P&P

£24.95 + £2.95 P&P



S, M, L, XL, XXL  
£30 + £2.75 P&P



S, M, L, XL, XXL  
£17 + £2.50 P&P



£4.50+ £1.50 P&P



£16 + £2.75 P&P



£3 + £1.95 P&P



£6 + £1.50 P&P

£8.50 + £1.50 P&P



## Collection at Nantwich Town FC

A shortage of space in the last 'Warrior' prevented us from printing this photo.

Project supporters Gavin Shell, Neil Kinsey and Derek McVety attended a football match at Nantwich Town on 23<sup>rd</sup> April, together with Patriot Project Directors Andrew Laws and Richard Sant. Thanks to Derek McVety for arranging this and the collection which took place during the match.

# Patriot Project Links up with Compass Tours

By Andrew Laws

On August Bank Holiday Monday, myself and Gavin Shell, the Events Manager for the Project, were on board the Compass Tours railtour 'The Mersey Moorlander'. It was an early start for the both of us as the tour started from Crewe just after 6am!

A class 47 diesel took us to Liverpool Lime Street, where more passengers joined the train and a second class 47 diesel hauled us to Preston. LMS Black 5, number 45231 joined the train at Preston, and we were somewhat surprised that both class 47s stayed on as well!

However, reports soon came through the train that all was not well with the Black 5. The rumours were soon verified because at

Hellifield, it had to be removed. The problem was explained as the fault of some shortcoming in the pistons which had caused excessive water consumption. We continued to Carlisle via the stunning S&C line, albeit now diesel hauled!

Kevin Melia from Compass Tours, had kindly allowed us to sell Raffle Tickets on the return journey from Carlisle. We also sold a few sales items which raised a further £300 for the Project.

We are also looking forward to some more fantastic tours including the 'Mersey Moorlander' next year as Compass Tours have generously allowed us to sell more Raffle Tickets and sales on future tours.

[www.compasstoursbyrail.co.uk](http://www.compasstoursbyrail.co.uk)

# Patriot Project Acquires Original Chimney at Derby Auction

By Andrew Laws



Patriot Project Member and supporter David Hughes attended the Sheffield Railwayana Auction at Derbyshire Cricket Club on 10th September. David was bidding for an original Patriot chimney and whistle from 45539 'E. C. Trench'. Ernest Crosbie Trench CBE (1869 - 1960) was Chief Engineer of the LNWR from 1909 to 1922 and the LMS in 1923.

We were fortunate enough to be the highest bidders for the chimney, which sold for £880 plus buyers premium but there was some stiff competition for the whistle. After an intense bidding session, it was eventually sold to another buyer for £700.

David says all is not lost, as he knows of another LNWR type whistle, the correct type for a parallel boiler Patriot. Thanks to David for attending the auction on behalf of the Project and for making a donation towards the chimney, together with another Patriot Project

supporter, who withdrew from bidding for the chimney himself and generously made a donation instead.

For mainline running 'The Unknown Warrior' will need to be built to a reduced height to fit within the 13' 1" Network Rail maximum height required for new railway vehicles. This will entail either lowering the boiler in the frames by 1½" or making a new reduced height chimney to fit within the 13' 1" limit. Depending on what is done, the original chimney that we obtained may be used on the locomotive. It will certainly assist with the making of a new pattern if needed and provide a genuine link with the original locomotives.

We hope to exhibit the chimney, which was unique to the Patriot class, at Llangollen and possibly use it as a temporary donations box at Llangollen Railway Galas. In the longer term we see the chimney being fitted to a new smokebox, complete with smoke deflectors which have already been manufactured and used as a fundraising aid for the remainder of the boiler.

## 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

A/c Details for Direct Donations: CAF Bank Ltd., A/c number: 00092990, Sort Code: 40–52–40

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### Project Support

**Treasurer and Administrator:** Claire George

**Engineering Design Team:** Peter Rich, Fred James, Kevin West, Jack Cross

**Documentary Video:** Andrew Kennedy, Oakwood Visuals

**Events Manager:** Gavin Shell

**Sales Support:** Neil, Karen & Katy Kinsey, John Hastings–Thomson, John Barrowdale, David Hancox, David Hughes, John Lancaster, and Brian Johnson.

### Locomotive

**Loco Assembly:** Dave Owen/Llangollen Railway plc

**Tender Restoration:** John Buxton/Cambrian Transport Ltd.

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## Project Sponsorship

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