

# THE WARRIOR

The Newsletter from the LMS-Patriot Project

£2

October 2010

Issue 9

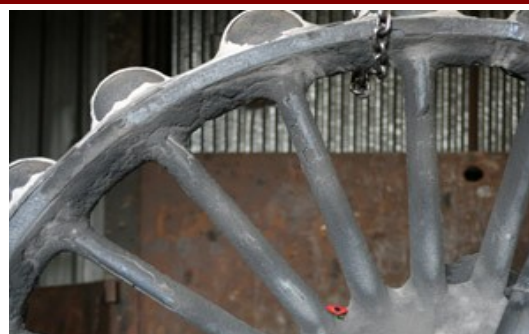
*The LMS Patriot Co. Ltd. Company Registered in England & Wales No. 6502248 Registered Charity No. 112352*

## FIRST WHEEL CAST FOR 'THE UNKNOWN WARRIOR'

Photos by Bob Sweet and Phil Croutear



It took less than 90 seconds; the clink and clunk of machinery echoed as the molten steel flowed like harnessed lava into its mammoth, 6' 9" mould. It was lined with gold but at its core it glowed a brilliant white, as amber steam shimmered around it like a deadly halo.



It would be two days before the fierce liquid heat would cool to a tarnished silver, and the mould would be cracked open to reveal the wheel within. Then the work started. The pouring risers had to be machined off and the wheel shot-blasted clean until it was a gleaming, gunmetal grey. Then it was whisked away for x-raying and heat treatment, whilst work began on the remaining five driving wheels.



By Andrew Laws

The first driving wheel for 'The Unknown Warrior', was been cast at the Boro Foundry, at Lye, in the West Midlands on 13<sup>th</sup> September 2010.

Weighing 2.5 tons after casting, the new wheel is the first of six, 6' 9" driving wheels that are being made for the new

*(Continued on page 3)*

# ENGINEERING UPDATE

by Steve Blackburn

The completed bogie bolster should be at Llangollen by the time you read this. This was the first casting that was made for 'The Unknown Warrior'. The pattern and casting were produced at the Boro Foundry in the West Midlands, where the frame plates were drilled last year, and the first driving wheel was cast.



The nearly completed bogie bolster is seen at the Boro Foundry on 15<sup>th</sup> September 2010. Further machining was due to take place before being delivered to Llangollen for fitting on 'The Unknown Warrior'. Photo by Bob Sweet.

Drawings for four of the five frame stretchers have now been completed. Details of the fifth one may be clearer on the scanned drawing which is awaited from NRM. The stretcher drawings have taken longer than we anticipated to produce, but we are now back on track and the actual manufacturing will be fairly straightforward.

New tender tank drawings are currently being produced. A visit to the SVR took place during September to view the Fowler tender from 42968. Dimensions of the coal rails have been measured so that the capacity of the tank can be increased with widened coal rails but will still be within the loading gauge. Details of frame

mounting still not clear so a further visit to the SVR is to be arranged.

Four LMS buffers have been offered to the Project from a crane at Ruddington which unfortunately has been vandalised. We have inspected the buffers and LMS markings and date stamps from the 1930s are clearly visible. The buffers will be suitable for the loco and for the Fowler tender at Barry which is missing its buffers. Originally we had planned to use a set from a class 08 diesel shunter, but when the offer came of genuine LMS buffers, we couldn't refuse! We are now waiting for the GCR (Nottingham) to give us an indication when the buffers can be salvaged.

## PATRIOT PROJECT ACHIEVES TOP TEN RESULT FOR HRA/ STEAM RAILWAY READERS AWARD

Although we didn't receive enough votes to be nominated for the final round of voting for the top three projects, we can boast the result of being in the top ten, after the first round of voting closed on August 5<sup>th</sup>.

This is an incredible result, as originally 34 Projects were nominated. The Awards are an ideal way of raising our profile, and there's no reason why we can't do better in future year as 'The Unknown Warrior' progresses.

As this issue of the Warrior went to press, votes were still being cast for the top three nominations: GWR no. 2807, Caledonian Railway no. 828, and the Bluebell Railway's 50<sup>th</sup> Anniversary celebrations.

# FIRST WHEEL CAST FOR 'THE UNKNOWN WARRIOR' CONT.

*(Continued from page 1)*

Patriot' 4-6-0. A £58,000 contract with the Boro Foundry has been placed for the driving wheel castings.

The driving wheel pattern was already in existence, having been used to cast two new driving wheels for Jubilee class loco 'Galatea'. The pattern was kindly loaned to the Project by Bob Meanley, CME at Tyseley Loco Works.

The wheel casting is another momentous milestone for the LMS-Patriot Project as we are only the second year of the construction. Thanks to the tremendous support of you, our Members, and all of our supporters, including Heritage Railway

Magazine readers we are well on the way to achieving our aim of having a rolling chassis for 2011.

The remaining five wheels are expected to be cast by the end of October. Fitting of tyres, crank axle, plain axles and crank pins will take place at the South Devon Railway, before the completed wheelsets are taken to Llangollen.

The 'Patriot' driving wheel is thought to be the largest wheel that has been cast as part of a complete set for a new steam locomotive, since steam locomotive construction ended in the UK in 1960. The engineering skills needed to undertake such a feat are very much alive in the West Midlands in the 21st century.

## LIMITED EDITION PRINT OF THE UNKNOWN WARRIOR LAUNCHED AT THE ROYAL BRITISH LEGION

The transport artist, Colin Wright, had great reason to be proud on September 6th. The signed, limited edition print of his fantastic painting of The Unknown Warrior, which is on Shed at Llangollen, was officially launched in London at The Royal British Legion Headquarters, where a framed version was presented to Stuart Gendall, the Director of Corporate Communications at the Legion.

The print, each signed by both the artist and by David Bradshaw, Chairman of the LMS-Patriot Project, is currently on sale at just £59.95 (including P&P) and, for your peace of mind, a signed certificate of authenticity will also be included. Moreover we are proud to be helping a deserving cause by donating £5 of every sale to Poppy Appeal.

Please see the Sales page for further information on how to order on of these fantastic prints.



Above: Andrew Laws, of the LMS Patriot Project, Stuart Gendall of The Royal British Legion, artist Colin Wright, and Richard Sant of the LMS-Patriot Project. The original oil painting is seen next to the framed print.

Photo by John Hastings-Thomson/LMS-Patriot Project



# THE FESTIVAL OF HISTORY AND REMEMBRANCE

The LMS-Patriot Project has loaned exhibits for the Festival of History and Remembrance at Llangollen.

The exhibition starts on November 3<sup>rd</sup>. These include the excellent photographs by Vicky Thomas following a Remembrance theme; photos of 'The Unknown Warrior' in Westminster Abbey and one of the 'Unknown Warrior' brass nameplates with the Royal British Legion crest that will be carried on the new 'Patriot'.

The exhibition is being held in the Llangollen Museum and will then be travelling around Denbighshire and North Wales, for an impressive 8 years.

The LMS-Patriot Project and Llangollen

## SPONSOR PARTS FOR 'THE UNKNOWN WARRIOR'!

£70,000 - that is the result of a fantastic response to our desperate plea: The Wheel Appeal. Thank you everyone of our members and donors who generously gave to the cause; it is because of them that we are able to now eagerly await the completion of the remaining 5 driving wheel castings.

Unfortunately the wheels alone will not be enough to set our proud engine moving and fundraising continues to enable the complete wheelsets to be assembled. We are looking for sponsorship of items to enable the wheelsets to be completed. Items that are available to sponsor include:

Plain Axle x 2 - £2000 each  
Crank Axle x 1 - £19,000  
Tyre x 6 - £3500 each  
Crank Pin x 6 - £750 each  
Axebox casting x 6 - £600 each  
Horn guides x 12 - £350 each  
Chimney pattern - £3000  
Buffer x 4 - £250 each

If you are interested in sponsoring any of these parts, please contact us.

Museum are also holding a photography competition for children with the theme 'Railways and Remembrance'. The competition is open to two age groups - for children up to 11 years old and 12 to 16 year olds. Cash prizes are on offer and the winner will be judged by Richard Sant, Secretary of the LMS-Patriot Project. Prizes will be awarded on 7<sup>th</sup> November at the Llangollen Museum.

The Llangollen Museum is situated on Parade Street in Llangollen town centre, and is open every day from 10.00am until 5.00pm in the summer and 10.00am until 4pm in the winter. Admission is free.

More information is available from:  
[www.deevalleytour.com/history](http://www.deevalleytour.com/history)

## FUTURE EVENTS

### 2010

Tyseley Open Day  
Sunday 24<sup>th</sup> October  
Tyseley Loco Works, Birmingham

Llangollen Railway Remembrance Week-end  
6<sup>th</sup>/7<sup>th</sup> November  
Llangollen Station

Churnet Valley Railway Gala  
13<sup>th</sup>/14<sup>th</sup> November  
Cheddleton

Patriot Project AGM  
14<sup>th</sup> November  
Crewe Heritage Centre

### 2011

Stafford Model Railway Show  
5<sup>th</sup>/6<sup>th</sup> February  
Stafford County Showground

National Armed Forces Day  
25<sup>th</sup> June  
Edinburgh

# MEMBERSHIP MATTERS

by Richard Sant

Membership is now over 420, having slowed down a little over the summer. We have 130 regular donors including those who started in September. The average monthly donation is £12.14, which with Gift Aid is just under £2000 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. If you want to increase your own monthly donation, then talk to your bank and send a note or email our Admin Office. We now have sufficient funds to pay for the wheel castings, but not yet for the axles and tyres. A huge thank you to all who sent a donation in response to the Chairman's letter for the Wheels Appeal in June. Member's Donations for the Wheels Appeal reached nearly £10,000 including Gift Aid which

will be claimed at the beginning of October.

As you know we are trying to keep postage costs under control by emailing this Newsletter to you, and following some concerns from members who use a dial up connection, rather than broadband, I assure you that they are quite small files. If unsure then please let us know on the member's ansaphone (01889 271058) and a hardcopy will be posted to you.

All emails on membership will be answered within 24 hours and letters within a week. Please note it can be quite a long time for a letter you might have written a few days ago to filter through the system to the Post Office Box: it may arrive the day after I've emptied it for that week. So the week starts from the day of collection.

## Appeal for Items for the Sales Stand

If you have any unwanted railway books, DVDs, VHS videos, model railway items, die cast models, or railway paraphernalia we would be happy to accept them for selling either on our eBay site or on our Sales Stand because to date we have raised over £1000 from selling items on eBay and hope to continue this excellent trend with your help.

Please contact us if you would like to donate any items, or bring them to any of the Galas and events that we attend. Unfortunately we are not able to accept any magazines because of the weight of these.

## LMS-Patriot Project joins HRA

The LMS-Patriot Project has now joined the Heritage Railway Association. This finally brings us official recognition from a respected body which will help with possible future grant applications. There will also be benefits for working members of the LMS-Patriot Project, which we are hoping to be able to offer at some point in the future.

## Raffle Tickets

By the time you read this, we should have sent you a book of 5 Raffle Tickets (£5 worth). These are being sold to raise funds for building 'The Unknown Warrior'. If you are able to buy these, or sell them to your friends and colleagues, please return the stubbs and a cheque for £5 payable to: *LMS-Patriot Co. Ltd.*, and return to our Stafford address ASAP. The draw is being held at the AGM on Sunday 14th November at Crewe Heritage Centre.

## Recycling for Cash

We are happy to accept used ink jet cartridges for recycling. We can only accept Dell, Canon, Lexmark and HP branded ink jet cartridges. Unfortunately we cannot accept Epson or laser or toner cartridges. Under the recycle4charity scheme we will receive cash for each one that is recycled. We have special FREEPOST envelopes that must be used. Please contact us to request one, or drop your ink jet cartridges off at any of the Galas and events that we attend.

# LMS-PATRIOT PROJECT SALES ITEMS

We have been building up 'The Unknown Warrior' brand and now have some fantastic new items for sale. Why not buy your Christmas gifts and support the creation of 'The Unknown Warrior'.

All proceeds from the sales of these items will go towards building 45551.

Items can be bought mail order with cheques made payable to: *The LMS-Patriot Co. Ltd.* and sent to *PO Box 3118, Hixon, Stafford, ST16 9JL.*

Selected items can also be purchased online from our sales pages: [lms-patriot.co.uk/sales.html](http://lms-patriot.co.uk/sales.html)



## The Unknown Warrior on Shed at Llangollen

Signed Limited Edition Print £55 + £4.95 P&P

Jigsaw (250 pieces) £24.95 + £3 P&P

Key ring £1.50 + £1 P&P

Mug £6 + £1.95 P&P

## 'The Unknown Warrior' Branded Items



Rugby shirts  
(burgundy)  
S, M, L, XL, XXL  
£30 + £2.75  
P&P



Baseball cap (black -  
one size fits all)  
£8 + £2 P&P



Rucksacks (black)  
£16 + £2.75 P&P



Beanie Hats £7 (black -  
one size fits all) +  
£1.75

Embroidered  
Badge £5 + £1  
P&P



Enamel Badge £4 +  
£1 P&P



## Rothbury Giftware Items featuring the Artwork of Philip D. Hawkins GRA

(available exclusively to The LMS-Patriot Project)



The New Steet design features Patriot number 45509 'The Derbyshire Yeomanry' and a Jubilee



Shap Attack design features Patriot number 5532 'Illustrious'



Heading South design features Patriot number 45511 'Isle of Man' and a Royal Scot



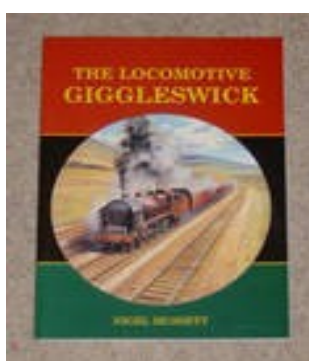
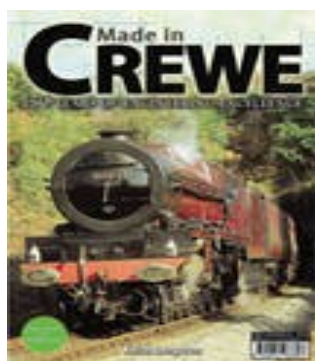
The Midlander design features Jubilee number 45688 'Polyphemus'

All available as mugs:



New Street £6 + £1.95 P&P  
Heading South £6 + £1.95 P&P  
Shap Attack £6 + £1.95 P&P  
Also available as chopping boards £13 + £3.95 P&P

## Books



Made in Crewe £6.99 + £2 P&P

British Steam Past & Present £7.99 + £2 P&P

Giggleswick £7 + £1.50 P&P



British Steam 1948-68 £7.99 + £2 P&P

Coronation Scot £15 + £2 P&P

British Steam Memories in Colour £7.99 + £2 P&P

### 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

### Board of Directors and Trustees

**Chairman:** David Bradshaw

**Company Secretary:** Richard Sant

**Director:** Andrew Laws (Marketing, Publicity and Events)

**Director:** Kevin Finnerty (Governance and Archive)

**Director:** Steve Blackburn (Engineering and Quality Management)

**Director:** Richard Sant (Membership and Donations)

### Project Support

**Treasurer and Administrator:** Claire George

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

**Documentary Video:** Andrew Kennedy, Phil Croutear/Oakwood Visuals

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

### Locomotive

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

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

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### Newsletter:

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Sub-editor and Chief Designer: Zoe McCullagh-George

Sub-Designer: Claire George

## Project Sponsorship

The LMS-Patriot Project is proud to be associated with the following sponsors who have generously supported the Project. If your Company or organisation would like to be involved with the LMS-Patriot, please contact us.



**OAKWOOD VISUALS**

