

# THE WARRIOR

The Newsletter from the LMS-Patriot Project

£2

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Issue 10

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

## ALL SIX DRIVING WHEELS CAST

By David Bradshaw, Chairman

First of all my colleagues and I would like to thank you all for the tremendous support you have given to the project. Without that support 'The Unknown Warrior' would merely be a fanciful dream. Progress to date has been remarkable; the sixth and final driving wheel was cast in early January, the order for the casting of the six loco axleboxes was placed in mid January, the patterns for the hornguides were completed at the end of February, the bogie centre pin casting has been fitted to the frames and finally we have also acquired four genuine LMS buffers which await overhaul.

Furthermore, the Fowler tender has been dismantled and, though badly worn, is capable of restoration. This work has begun with the despatching of the springs to Owens in Rotherham and the wheelsets to Ian Riley Engineering in Bury for turning and polishing. We need to acquire four new axleboxes as unfortunately vandals had damaged them when the brass bearings were stolen at Barry. There will also be a degree of new metal in the frames as they are badly wasted in a number of places.

*(Continued on page 3)*

## GENUINE LMS BUFFERS FOR THE PATRIOT

Scrapped buffers found at Nottingham are restored to adorn The Unknown Warrior.

(See Page 7 for more.)



# SPONSORSHIP

By the end of September 2011 we will be very close to having a wheeled chassis only two years after the frames were cut. This rate of progress cannot continue unless we significantly up our game. We estimate that we will need a further £37,000 to complete the rolling chassis and a new bogie will probably cost a r o u n d £ 3 5 , 0 0 0 . The cylinders, which, following the example of the 'Brighton Atlantic' Project and replacement cylinder for 76079, we hope to fabricate will cost around £60,000 (compared to around £100,000 if they were to be cast).

So, what do we need to keep up the momentum? More sponsors, more regular donors giving a target of around £20 a month, as many grants as we can get, and we are also seeking corporate sponsorship both externally and from within the railway industry.

What else can you do to help? If you can afford it in these difficult times please consider increasing your regular donation. If you are an occasional donor please consider an additional donation.

The A1 Locomotive Trust has over 2000 Covenanters - we believe we can complete 'The Unknown Warrior' with 800 new donors. The calculation assuming an average donation of £20 a month would raise £1.68 million over the remaining 7 years of the project. The calculation for those interested is £20 x 12 months x 25% Gift aid x 800 donors x 7 years = £1.68 million.

Please do not be put off by the £20 amount, as we know some will give more and some less, but it does give an indication of what can be achieved by regular donations of small amounts. We are in the unique position of being the only LMS new build so we have no direct competition. The LMS was the largest of the 'Big Four' and appeared to have the greatest number of enthusiasts.

The project has achieved unqualified support from the Railway press, the Engineering Employers federation, the Royal British Legion etc. If you cannot afford to increase your donation, understandable in these difficult times, why not recruit a friend - this is just as valuable to the project and if you also spread the word to others you think may be interested we will continue to make progress at the current rate.

'The Unknown Warrior' will not be built without a growing base of supporters. The quicker we raise the money the quicker we will see our dream fulfilled! The target of 2018 is a special and significant anniversary - the 100<sup>th</sup> Anniversary of the Armistice which brought about the end of the Great War.

Please help us achieve this and fill the gap that exists between the 'Royal Scot' and 'Jubilee' classes with the new 'Patriot' - 'The Unknown Warrior'.

## So what can you sponsor?

- 1 crank axle at £19,000
- 1 chimney pattern £3000 each
- 6 tyres at £3,500 each
- 2 plain axles at £2000 each
- 1 axle box pattern at £1,250
- 8 loco coupled axle springs £800 each
- 6 crank pins at £750 each
- 6 loco axle box castings £625 each
- 6 tender axle box castings £400 each
- 4 loco horn guide patterns £300 each
- 12 horn guides for driving wheels £250 each
- pattern for spring hangers £200
- 12 spring hanger castings £200 each

# ALL SIX DRIVING WHEELS CAST

(Continued from page 1)

We have located a pair of second-hand coupling rods and one outside connecting rod from a Jubilee (these were standard on the two classes) and about 70% of the outside motion, also from a 'Jubilee' and hope to be able to conclude a deal to buy these shortly. We are also in discussions to acquire the forged blanks for the remaining two connecting rods.

The drawings for the running plate, splashers and drop ends will be completed shortly and these will be fitted to the frames by mid-year. We hope to be able to have two wheelsets complete by the end of July. The remaining one, with crank axle will await further fundraising.



**The first driving wheel has now been machined**

## So what's next for the LMS Patriot?

Well we are preparing to order for the pattern for the spring hangers in March with hopes that casting will begin in April; for the order for the axles, tyres and crankpins to be delivered in June and for the hornguide castings to be completed by the end of April. Also the frame stretcher casting, ordered in February is scheduled for completion by April.

## Other points of interest

The contract for assembling the wheelsets has been awarded to South Devon Railway Engineering. We have been promised a second 3'3 1/2" bogie wheelset complete with axleboxes and with that acquisition we will have ALL the wheels for the locomotive but the price has yet to be agreed for this wheelset.



**Eddie Mocroft**  
Master Pattern Maker at the Boro Foundry

## Cartridges and Mobiles Wanted

Under the recycle for charity scheme, recycling empty printer cartridges and unwanted Mobile phones can help towards our budget. 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.

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. Do not send the items directly to us, please contact us to arrange collection.

## Donated Items Wanted

We are still looking for items that we can sell on our sales stand, on our eBay site, or at the Railwayana auctions to help raise funds. If you have any books, DVDs, model railway items or Railwayana, please contact us to arrange collection, or drop items off by arrangement at any of the Sales Events that are listed. A big thank you to Bev King, John Barrowdale and Gavin Shell, who have recently donated items that we have sold.

## Raffle

The 2010 Raffle Raised around £2600. The proceeds will go directly towards helping to build 'The Unknown Warrior'. Thank you to everybody who supported the Raffle and especially to Katy Kinsey, who sold hundreds of raffle tickets at the various events we attended last year

The winning tickets were drawn at the 2010 AGM on 14<sup>th</sup> November - Remembrance Sunday, at Crewe Heritage Centre.

The winning tickets were:

No. 02070 - P. Birch - Weekend in Berwyn Station Master's cottage (courtesy of the Llangollen Railway)

No. 01939 - Mr D. Gilmore - Subscription to Heritage Railway Magazine

No. 03120 - Mr C. Duffy - £30 Railtour Voucher (sponsored by Karen Kinsey)

No. 02823 - Mr N. Wellings - £25 Sainsbury's Voucher

No. 03243 - Mrs G. Alder - Philip Hawkins Book

The 2011 Raffle will be launched soon. We look forward to your support and hope to beat last year's target.

# FUTURE EVENTS

## 2011

Great Central Railway 1960s Gala  
Loughborough Central Station (GCR)  
25th - 27th March

Belper Model Railway Exhibition  
Strutt Centre, Belper, Derbyshire  
2nd April

Ecclesbourne Valley Railway Grand Opening  
of the Duffield Line  
Wirksworth, Derbyshire  
9th - 10th April

Llangollen Railway Spring Gala  
8th - 10th April

Great Central Railway Wartime Weekend  
Loughborough Central Station (GCR)  
10th - 12th June

National Armed Forces Day (TBC)  
25th June, Edinburgh

Tyseley Loco Works Open Weekend  
Tyseley, near Birmingham  
25th - 26th June

Llangollen Railway Autumn Steam Gala  
9th - 11th Sept

Great Central Railway Autumn Steam Gala  
Loughborough Central Station (GCR)  
6th - 9th October

Tyseley Loco Works Open Day  
23rd October

Llangollen Poppy Trains  
5th, 6th November

AGM  
12th November

# MEMBERSHIP MATTERS

by Richard Sant

Membership is now over 450, having picked up again following a slow down over the summer. For 2011-12 we expect about 140/150 new members to join us and 95% of current members to rejoin. We have 132 regular donors up to the end of December and expect another 4 or 5 each month. The average donation is £12.81, which with Gift Aid is just over £2000 per month. The aim is to encourage this form of regular income to reach £5000 or £60,000 per year. This will be a significant proportion of the build costs of 'The Unknown Warrior'.

The membership scheme has now been running for 3 years and has already absorbed one increase in postal costs. There is another one - far larger - on its way and so we have decided to increase the cost of annual membership to £16 but leave joint/family and life membership at their current rates; and review every three years in the future. The increase in membership fees will start with all April members (whose membership number has /4 as its suffix) but all new numbers who join with an "old" leaflet will have that honoured for their initial year. I have looked at direct debits to supplement the use of standing orders but their cost would be prohibitive. However, we will accept direct payments to our bank account (details on the back of the Newsletter) from your own bank or your debit/credit card. We will also accept membership payments by standing order.

Donations are the main source of income for building 'The Unknown Warrior' and we are encouraging you to see if you are able to increase your standing order. A letter will go to all monthly donors by April who donate at least £5 per month and have been doing that for at least 12 months. Again no direct debits but the other

payment types are acceptable.

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 do assure you that they are quite small files. If unsure then please let us know on the Member's ansaphone and a hardcopy will be posted to you.

We attempt to respond to all emails on membership 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 PO Box: it may arrive the day after I've emptied it for that week. So the working week starts from the day of collection. I'd like to thank all donors again for their contributions and all are receipted within a month unless you have asked us not to - as this costs us a stamp we are also going to email you more widely in the future.

A small number of new monthly donors have found that their bank does not respond quickly to receiving the standing order form. Again please let us know if you think there has been a problem with your bank and we can check our records at this end.

I attended a conference held by the Institute of Fundraising recently and so have written four information sheets on higher rate Gift Aid, payroll giving, the gift of shares, and legacies. These are available for downloading from our website: [www.lms-patriot.org.uk/membership.html](http://www.lms-patriot.org.uk/membership.html),

Or on request by leaving a message on the ansaphone: 01889 271058

Or writing to the PO Box address in Stafford (see contact details on back page).

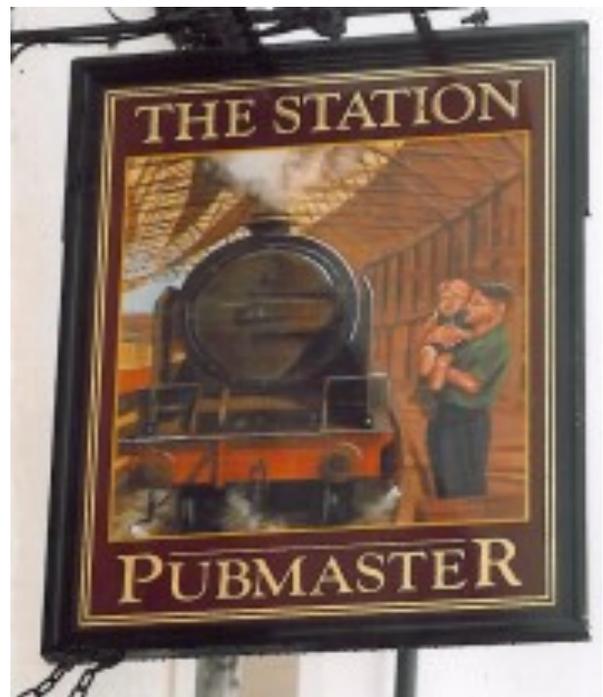
# TENDER RESTORATION PROJECT

Restoration of the Fowler tender has now begun at the Barry Railway Centre. Cambrian Transport Ltd., the Project's biggest commercial sponsor, are overhauling the ex-Barry scrap yard Fowler tender that has been earmarked for use with 'The Unknown Warrior'. The tender was originally paired with ex-LMS 2-6-0 'Crab' number 42765. Dismantling of the tender was completed during December 2010 and it appears to be in remarkably good condition for its age. A new tender body, tank and drag box will be manufactured and new axle box casings will need to be cast. A pattern already exists for

these. The tender springs have been sent to Owen Springs, in Rotherham for refurbishment to take place. Photos by LMS-Patriot Project/Oakwood Visuals.



## THE PATRIOT PUB



Member Pete Roulston has sent a photo of the pub sign at Langley Moor near Durham, photographed in 2004. It looks like the inspiration for this pub sign came from one of Philip Hawkins' pictures! Thanks to Pete for sending this in.

# GENUINE LMS BUFFERS FOR THE PATRIOT

By Andrew Laws



On a rail-mounted crane being scrapped at the GCR(Nottingham) at Ruddington a set of genuine LMS buffers was discovered. At least three of the buffers are stamped LMS, with clear 1930s dates. The diesel-electric powered rail-mounted crane was believed to have been built at Derby Works in 1947 and fitted with a set of loco buffers from an LMS loco that had been scrapped at Derby Works.

“This is a fantastic find” Steve Blackburn, Quality and Engineering Director said, “The buffers are the same pattern that would have been fitted to the Patriots”. Two of the buffers are to be restored and fixed to the

Unknown Warrior at Llangollen, while the other two are destined for the tender of the ex-Barry scrapyards Fowler currently being restored at Barry Rail Centre.

We would like to thank Alex Newcombe, Operations Director at the GCR(N), for the generous donation of the buffers to the LMS-Patriot Project. The buffers have now been taken to Llangollen and will be completely overhauled before being fitted to 'The Unknown Warrior' and its tender.

Even more so we wish to thank members Miss Smith and Miss Smith and Christopher Tasker who kindly sponsored the restoration costs of two of the buffers.



## PHOTOGRAPHIC COMPETITION AT LLANGOLLEN MUSEUM

As part of the Festival of History and Remembrance, last November, the Llangollen Museum joined with the LMS-Patriot Project to hold a photographic competition for children with the theme Railways and Remembrance. There were two age groups, 11 and under and 12 to 16 and a good number of excellent entries were received. The photographs were judged by local photographer Andrew Gale and Andrew Laws, from the Patriot Project. In the older group the first prize went to Morgan Stubbs and in the younger age group the first prize was won by Talulah Thomas, with a second prize going to Zach Price. The runners up received £10 each as it was felt that the standard of the entries was so good. The photographs were on display in the Museum alongside the LMS Patriot Project display. The display including one of our 'The Unknown Warrior' nameplates will be touring around museums in North Wales over the next few years.



## The LMS–Patriot Company Limited

Building the New Royal British Legion Endorsed National Memorial Engine – ‘The Unknown Warrior’

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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

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

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

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## 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**

