

THE MIKADO MESSENGER

No. 8 October/November 2014



2007 PRINCE OF WALES

Building Britain's Most Powerful Steam Locomotive

Prince of Wales's frames are seen beyond those of Tornado at Darlington.



David Elliott



Welcome

...to edition No. 8 of *The Mikado Messenger*. The Messenger aims to provide a monthly bulletin of news about

the construction of No. 2007 *Prince of Wales*. Support that the project to build new Gresley class P2 No. 2007 *Prince of Wales* continues to grow. The frames have been skated over to one side of the works to allow *Tornado's* frames to be rolled in on the pit road, ready for the latter's intermediate overhaul.

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Editor of *The Mikado Messenger*

THE BOILER CLUB – Following the success of The Founders Club, which was designed to get the P2 Project to the point of cutting No. 2007's frames, we have decided to

establish The Boiler Club to fund the construction of *Prince of Wales's* boiler. We set an initial target for The Founders Club of at least £100,000 from 100 'Founders' but due to the overwhelming generosity of our supporters we actually raised £450,000 from 360 donors. It is our desire to leave No. 2007 *Prince of Wales* debt free upon completion and therefore our aim is to raise at least £600,000 for The Boiler Club from 300 supporters each donating £2,000 to the project (in up to 40 payments of £50 by standing order).

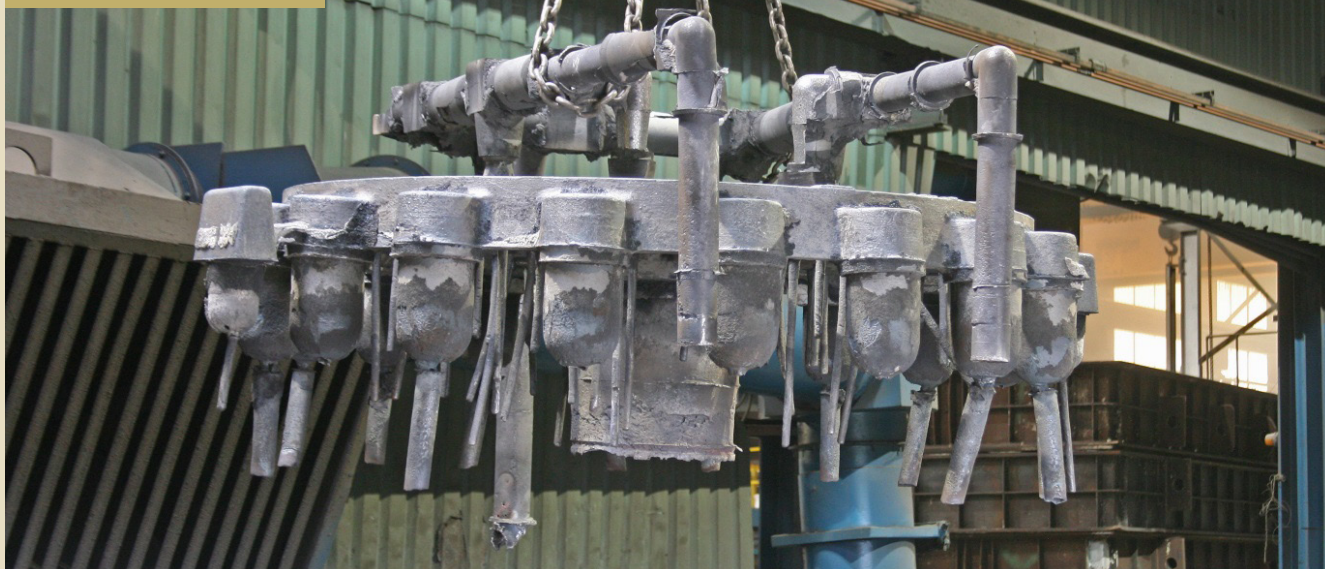
Special benefits for members of The Boiler Club:

- Opportunity to buy a ticket (seat already reserved) on No. 2007's first main line train
- Reasonable access to No. 2007 at all times
- Opportunity to buy exclusive Boiler Club badge
- Opportunity to join one of the teams building No. 2007
- First choice of other components to sponsor
- Special limited edition version (signed/numbered) of the first official painting of No. 2007 *Prince of Wales* with No. 60163 *Tornado*
- Special Boiler Club day with *Tornado*

NEWS BRIEFS

● **FRAMES** - Since the frame plates have been set up at Darlington in July, work has continued with riveting the frame doubler plates to the main frames. This is one of the few places where hot riveting is used on *Prince of Wales*. The doubler plates also share bolts with frame stays and brackets and are welded at on the

The final driving wheel is removed from the mould at WCCP.



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top and bottom edges to prevent water entering between the plates which could cause rust to force the plates apart.

● **WHEELSETS** - Orders have been placed with WCCP for all 20 wheels and all the wheels have been cast. The first coupled wheel has successfully complete fettling and NDT and is ready for proof machining. Timken have offered some useful sponsorship which has enabled the order for the roller bearings to be placed.

● **RESEARCH** - As part of the design process we are researching the history of the original P2s and No. No. 2001 *Cock O'the North* in particular. We have already discovered a significant amount of unpublished material but are sure that there is a lot more out there. If you have any documents relating to or photographs of P2s we would be delighted to hear from you – even more so if you have first-hand experience of the P2s before they were rebuilt in 1943/44.

For more information on the project to build Gresley class P2 No. 2007 *Prince of Wales* please visit www.p2steam.com, email enquiries@p2steam.com or follow us on Facebook, Twitter and LinkedIn.

● **WORKS MANAGER** - we are seeking an experienced steam locomotive engineer to join our team in Darlington in the role of Works Manager. This critical role will lead the team of staff and contractors to actually build Gresley class P2 No. 2007 *Prince of Wales*. The successful applicant



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Some of the many castings for frame stays, horn guides and wheels at William Cook Cast Products.

will be familiar with steam locomotive overhaul and maintenance, have project management experience and be used to leading teams. If interested please send letter of application and CV to enquiries@p2steam.com.

● **PRESENTATIONS** - If any railway society – or indeed other interested group - would like a presentation on the project they should contact us at enquiries@p2steam.com.

● **VOLUNTEER** - As ever we are looking for more volunteers. It takes a lot of people to both keep *Tornado* on the main line and also to build *Prince of Wales*. There is always so much more that we can achieve with the right volunteers with the right skills and can-do attitude. Please email enquiries@p2steam.com if you think you can help.

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DEDICATED DONATIONS

The Dedicated Donations scheme is now open. In addition to being able to sponsor one or more of the 18 spokes of the 6ft 2in driving wheels for either £600 (or £25pm for 24 months) supporters have the option to sponsor a range of different components from a 'Drag box wing plate LH rolling and profiling' at £50 to a '6ft 2in driving wheel casting and proof machining' at £12,000 (or £200pm for 60 months). Supporters who subscribe to the scheme will have their names inscribed on the official roll of honour at Darlington

Locomotive Works listing the components sponsored, receive a certificate recording the sponsorship and copy of the drawing of the component. New components available for sponsorship will become available as construction progresses. The panel illustrates some of the parts available - perfect gifts for Christmas!

Contact dedicated.donations@p2steam.com to make your selection.

Sample Dedicated Donations List

Item Number	Component Location	Item	Price £'s	Monthly Cost	Duration in Months
PS0003	Frames	Main frame plate RH - rolling and profiling	£2,400.00	£100.00	24
PS0009	Frames	Rear outer (Cartazzi) frame plate LH rolling and profiling	£600.00	£25.00	24
PS0015	Frames	Doubler for frames over front of firebox RH rolling and profiling	£300.00	£12.50	24
PS0031	Frames	Spring casing for double buffer LH pattern	£1,200.00	£50.00	24
PS0033	Frames	Spring casing for double buffer RH pattern	£300.00	£12.50	24
PS0036	Frames	Leading coupled horn block LH casting	£1,800.00	£75.00	24
PS0042	Frames	Combined frame stay and 4 spring hanger brackets poly pattern	£900.00	£37.50	24
PS0046	Frames	Driving horn block LH machining	£900.00	£37.50	24
PS0058	Frames	Trailing coupled horn block LH machining	£900.00	£37.50	24
PS0071	Frames	Frame stay and firebox support machining	£600.00	£25.00	24
PS0075	Frames	Combined brake hanger bracket and firebox support RH poly pattern	£300.00	£12.50	24
PS0083	Frames	Frame stay between in and outer rear frames RH machining	£600.00	£50.00	24
PS0097	Frames	Cartazzi hornblock leading LH machining	£600.00	£25.00	24
PS0105	Frames	Cartazzi hornblock trailing RH casting	£600.00	£25.00	24
PS106	Frames	Cartazzi hornblock trailing RH machining	£600.00	£25.00	24
PS0111	Coupled wheelsets	Leading RH coupled wheel casting and proof machining	£12,000.00	£200.00	60
PS0112	Coupled wheelsets	Driving LH coupled wheel casting and proof machining - (Per Spoke)	£600.00	£25.00	24
PS0121	Coupled wheelsets	Cartazzi wheel LH casting only	£3,000.00	£100.00	30
PS0125	Tender	Tender frame plate RH machining and drilling	£1,800.00	£75.00	24
PS0126	Tender	Leading intermediate LH tender wheel casting only	£3,600.00	£100.00	36
PS0207	Frames	2 x 1 1/4" Cartazzi horn stay bolts and nuts LH	£150.00	£150.00	1

*NB. Combinations of over 1000 nuts and bolts are available to sponsor

Please note that this is not a comprehensive list and there are many more components available to sponsor upon request.

All enquiries should be emailed to dedicated.donations@p2steam.com or telephone 07984 653235 outside office hours for more information.