

Lloyd's Register of British  
and Foreign Shipping,

April 21<sup>st</sup> 1899

The Surveyors,

Middlesbro'

Gentlemen,

Herewith we forward particulars  
of donkey boiler for Messrs Richardson Ducks  
S/S N° 503

as requested in your letter of 17<sup>th</sup> inst.

We are,

Yours faithfully,

G. B. Vaux  
per Surveyors

MARK ON BOILER.

No. 5387

LLOYD'S TEST,

180 lbs.

DONKEY BOILER.

Description *Vertical Horace Patent*  
Made at *S. Shields* By whom made *M. Straker*  
When made *11-98* Where fixed .....  
Working pressure *90* tested by hydraulic pressure to *180<sup>lbs</sup>*  
No. of Certificate *5387* Fire grate area ..... Description of safety  
valves ..... No. of safety valves ..... Area of each .....  
Pressure to which they are adjusted ..... If fitted with easing gear .....  
If steam from main boilers can enter the donkey boiler ..... Dia. of donkey  
boiler *7'-6"* Length *14'-6"* Material of shell plates *Steel*  
Thickness *1/2"* Description of riveting long seams *lap S.R.*  
Dia. of rivet holes *1* Whether punched or drilled *drilled*  
Pitch of rivets *2 3/8"* Lap of plating *4 1/4"* Per centage of strength of  
Rivets *70.0*  
joint Plates *82.0* Thickness of shell crown plates *1/2"* Radius of do.  
*3'-3 1/2"* No. of stays to do. *5 ph* Dia. of stays ..... Dia. of  
furnace Top ..... Bottom *7-4* Length of furnace .....  
Thickness of furnace plates *5/8* Description of joint *lap S.R.*  
Thickness of furnace crown plates *5/8* Stayed by *2 ph*  
Working pressure of shell by rules *91.0<sup>lbs</sup>* Working pressure of furnace by  
rules *91.0<sup>lbs</sup>* Dia. of uptake *22"* Thickness of uptake plates *7/16"*  
Thickness of water tubes *3/8"*

SPARE GEAR.

State the articles supplied :-

The foregoing is a correct description,

MD8762-0085