

Lloyd's Register of British  
and Foreign Shipping,

MIDDLESBROUGH-ON-TEES.

April 26<sup>th</sup> 1900.

The Surveyors,

Greenock.

Gentlemen,

Herewith we forward particulars  
of donkey boiler for Messrs Russell & Co. 483.  
St. Panagia (Reicard & Co. Reg. 281).  
as requested in your letter of 25<sup>th</sup> inst.

We are, Sir,

Yours faithfully,

Henry J. Russell

MARK ON BOILER.

No. 2154.

LLOYD'S TEST,

160 lbs.  
19.2.0. R.F.

GRK 351-0175

DONKEY BOILER.

Description *Horiz. built. 2 plain furnaces.*  
Made at *Stirling* By whom made *Riley Bros.*  
When made *19.2.00* Where fixed *on deck*  
Working pressure *80 lbs.* tested by hydraulic pressure to *160 lbs.*  
No. of Certificate *2154* Fire grate area *20 sq* Description of safety  
valves *direct spring* No. of safety valves *two* Area of each *4.2 sq*  
Pressure to which they are adjusted *80 lbs.* If fitted with easing gear *yes*  
If steam from main boilers can enter the donkey boiler *no* Dia. of donkey  
boiler *9.0"* Length *8.0"* Material of shell plates *Steel.*  
Thickness *1/2"* Description of riveting long seams *Lap. kettle riv.*  
Dia. of rivet holes *3/8"* Whether punched or drilled *Drilled.*  
Pitch of rivets *3 1/2"* Lap of plating *6"* Per centage of strength of  
Rivets *46.5* End. *2 1/2"* Rivetted  
Joint Thickness of shell *2 1/2"* Radius of do.  
Plates *45.0*  
Dia. of stays to do *1 1/2" x 1 1/2"* Dia. of stays *2 1/2"* Dia. of  
furnace Top *31"* Bottom *L* Length of furnace *5' 3 1/2"*  
Thickness of furnace plates *3/2"* Description of joint *weld.*  
Thickness of *6.6 back* plates *15. 1 1/2"* Stayed by *18.5 stays 1 1/2" x 4 1/2" pitch knitted*  
Working pressure of shell by rules *88 lbs.* Working pressure of furnace by  
rules *89.5 lbs.* Dia. of *tubes 3 1/2"* Thickness of *tubes* plates *2 1/2" 13 1/6"*  
Thickness of *stay* tubes *5/16"*

SPARE GEAR.

State the articles supplied:

The foregoing is a correct description,

For Riley Bros. Manufacturer.  
John G. Reicard & Co.