

Lloyd's Register of British
and Foreign Shipping,
3, St. Nicholas Buildings, Newcastle-on-Tyne.

1 tenon - May 1st 1895

The Surveyors,

Sunderland

Gentlemen,

Herewith we forward particulars
of donkey boiler for S.P. No 188
Messrs R.P. Austin & Sons.
as requested in your letter of yesterday

We are,

Yours faithfully,

by L Hindmarsh

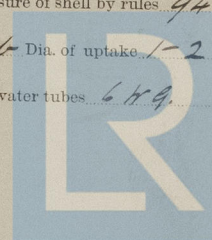
MARK ON BOILER.

No. 4544
LLOYD'S TEST,
180 lbs.
924. 19.3.95

S/S Harbington SUNDERLAND. No. 14,802

DONKEY BOILER.

Description *Lyne patent*
Made at *G. head* By whom made *Clarke Chapman & Co Ltd*
When made *19.3.95* Where fixed *Stoke New*
Working pressure *90 lbs* tested by hydraulic pressure to *180 lbs*
No. of Certificate *4544* Fire grate area Description of safety
valves *spring loaded* No. of safety valves *1* 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 *4-9* Length *11-0* Material of shell plates *steel*
Thickness *3/8* Description of riveting long seams *S R lap*
Dia. of rivet holes *3/4* Whether punched or drilled *drilled*
Pitch of rivets *2 3/4* Lap of plating *3 5/8* Per centage of strength of
joint Rivets *72.8* Thickness of shell crown plates *1/2* Radius of do.
Plates *72.4*
5 ft No. of stays to do. *3* Dia. of stays *2 x 3/8* Dia. of
furnace Top *1-10 5/8* Bottom *3-11* Length of furnace *3 ft*
Thickness of furnace plates *3/32* Description of joint *S R lap*
Thickness of *CC* furnace crown plates *1/32* Stayed by *tubes*
Working pressure of shell by rules *94 lbs* Working pressure of furnace by
rules *104 lbs* Dia. of uptake *1-2* Thickness of uptake plates *13/32*
Thickness of water tubes *6 x 9*



Lloyd's Register
Foundation

SLD955-0158