

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

1 Enc. 19 July 1895

The Surveyors,

Gentlemen,

Herewith we forward particulars
of donkey boiler for *S/S James Watt*
now named "Neptune"
as requested in your letter of —

Yours faithfully,

W. H. M.

MARK ON BOILER.

No. 4470
LLOYD'S TEST,
160 lbs.
3/12/94 A.S.

a plate of Boiler is enclosed.

DONKEY BOILER.

Description *Vertical 4 cross tube.*
Made at *9th St.* By whom made *Clark Chapman & Co.*
When made *3/12/94* Where fixed *Bunker Recess*
Working pressure *80 lb.* tested by hydraulic pressure to *160 lb.*
No. of Certificate *4470* Fire grate area *20 sq. feet* Description of safety
valves *Direct spring* No. of safety valves *one* Area of each *11 sq. inches*
Pressure to which they are adjusted *80 lb.* If fitted with easing gear *yes*
If steam from main boilers can enter the donkey boiler *no* Dia. of donkey
boiler *6-0* Length *17-6* Material of shell plates *Steel*
Thickness *1/2* Description of riveting long seams *Lap on all*
Dia. of rivet holes *1/16* Whether punched or drilled *Drill*
Pitch of rivets *3* Lap of plating *4 1/8* Per centage of strength of
joint Rivets *72* Thickness of shell crown plates *9/16* Radius of do.
Plates *72*
5 1/2 No. of stays to do. *6* Dia. of stays *1 1/8* Dia. of
furnace Top *4-8* Bottom *5-1 1/2* Length of furnace *5-11*
Thickness of furnace plates *9/16* Description of joint *Lap & fillet*
Thickness of furnace crown plates *1/2* Stayed by *shell crown stays*
Working pressure of shell by rules *87 lb.* Working pressure of furnace by *
rules *82 lb.* Dia. of uptake *15* Thickness of uptake plates *7/16*
Thickness of water tubes *3/8*

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* 1 row of main stay *1 1/8* off *12 in. 11 in.*
Lloyd's Register
Foundation

GRK 330-0231