

S. J. Hornhead

DONKEY BOILER.

For the S.S. *Harland & Wolff 165° Sea*
Description... *upright - 4 cross tubes*
Made by... *Clark Chapman at Gateshead*
When made *22/12/83* Where fixed... working
pressure... *90* Tested by hydraulic pressure to... *180*
No. of Certificate... *1542* Fire grate area... Description of safety
valves... No. of safety valves... area of each...
If fitted with easing gear... If steam from main boilers can enter the donkey
boiler... *Steel* dia. of donkey boiler... *6-0* Length... *13-6*
description of riveting... *Ø Lap* Thickness of shell plates... *1/2*
dia. of rivet holes... *7/8* Whether punched or drilled... *7/8* pitch of rivets... *3 1/4*
Lap of plating... *4 5/16* per centage of strength of joint... *73*
Thickness of crown plates... *5/8* stayed by... *10 Stays 2" dia*
Dia. of furnace, top... *4-5 1/2* bottom... *5-1 1/4* length of furnace... *6-6*
Thickness of plates... *1/2* description of joint... *Single Caps*
Thickness of furnace crown plates... *1/2* stayed by... *as above*
working pressure of shell by rules... *101 lbs* Working
pressure of furnace by rules... *90* dia. of uptake... Thickness of plates
7/16 thickness of water tubes... *3/8*

John Brockle

Engineer Surveyor to Lloyd's Register of
British and Foreign Shipping.

Newcastle

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