

S.S. Kotuku
Lloyd's Register of British
and Foreign Shipping,
Newcastle

June 14 1900

The Surveyors,

Glasgow

Gentlemen,

Herewith we forward particulars
of donkey boiler for *Ross & Duncan's*
No 480
as requested in your letter of *yesterday*

We are,

Yours faithfully,

G. Lisle Hindmarsh

MARK ON BOILER.

No. *5625*

LLOYD'S TEST,

160 lbs.
G.L.H. 14.10.99

DONKEY BOILER.

No. and Description *one Vertical & cross tubes*
Made at *Glasgow* By whom made *Clarke Chapman & Co*
When made *14.10.99* Where fixed
Working pressure *80 lbs* tested by hydraulic pressure to *160 lbs*
No. of Certificate *5625* 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 *6 ft* Length *12 ft* Material of shell plates *steel* Range of tensile
strength *27.32* Thickness *13/32* Description of riveting long seams *D.R. lap*
Dia. of rivet holes *13/16* Whether punched or drilled *drilled*
Pitch of rivets *3"* Lap of plates *1 1/2"* Per centage of strength of
joint Rivets *72.3* Thickness of shell crown plates *9/16* Radius of do.
Plates *72.9*
5 ft No. of stays to do. *6* Dia. of stays *1 5/8* Dia. of
furnace Top *4-8* Bottom *5 1/2* Length of furnace *5 ft*
Thickness of furnace plates *9/16* Description of joint *D.R. lap*
Thickness of furnace crown plates *1/2* Stayed by *as above*
Working pressure of shell by rules *88 lbs* Working pressure of furnace by
rules *80 lbs* Dia. of uptake *15"* Thickness of uptake plates *9/16*
Thickness of water tubes *3/8*
1 row of 15 stays
Is the approved plan of Donkey Boiler forwarded herewith *yes*

The foregoing is a correct description,

Manufacturer.

GRK 352-0008

Length of plain part bottom *8' 10 1/2"* Thickness of plates bottom *3/32* Description of longitudinal joint *Weld.* No. of strengthening rings