

REPORT ON BOILERS.

No. 11354.

5.

Port of Lith

Received at London Office

MON. 26 FEB 1906

No. in Survey held at Widemouth, Berwick Date, first Survey 22nd January Last Survey 14th February 1906
 Book. (Number of Visits 2)
 Supp. on the Donkey Boiler for Messrs Gosh S.B.C. No 85 Tons { Gross 320
 Net 127
 Built at Goole By whom built Goole S.B. & R.C. Co When built 1906
 Plates made at S. Shilby By whom made G. J. Grey when made 1906
 Rivets made at do By whom made J. D. Coltham & Co when made 1906
 Rated Horse Power 71 Owners Westcombe Shipping Co. Ltd. Port belonging to Newcastle

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel

Number for record) Total Heating Surface of Boilers Is forced draft fitted No. and Description of Boilers
 Working Pressure Tested by hydraulic pressure to Date of test
 No. of Certificate Can each boiler be worked separately Area of fire grate in each boiler No. and Description of valves to each boiler
 Area of each valve Pressure to which they are adjusted
 They fitted with easing gear In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler
 Greatest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers Length
 Material of shell plates Thickness Range of tensile strength Are the shell plates welded or flanged
 Direction of riveting: cir. seams long. seams Diameter of rivet holes in long. seams Pitch of rivets
 Thickness of plates or width of butt straps Per centages of strength of longitudinal joint rivets Working pressure of shell by plate
 Size of manhole in shell Size of compensating ring No. and Description of Furnaces in each
 Material Outside diameter Length of plain part top Thickness of plates crown
 bottom bottom
 Description of longitudinal joint No. of strengthening rings Working pressure of furnace by the rules Combustion chamber
 Material Thickness: Sides Back Top Bottom Pitch of stays to ditto: Sides Back
 If stays are fitted with nuts or riveted heads Working pressure by rules Material of stays Diameter at smallest part
 Area supported by each stay Working pressure by rules End plates in steam space: Material Thickness
 How are stays secured Working pressure by rules Material of stays Diameter at smallest part
 Area supported by each stay Working pressure by rules Material of Front plates at bottom Thickness Material of
 over back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes
 Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide
 Working pressures by rules Girders to Chamber tops: Material Depth and thickness of
 Length as per rule Distance apart Number and pitch of Stays in each
 Working pressure by rules Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked
 Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet
 Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness
 Distance between rings Working pressure by rules End plates: Thickness How stayed
 Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

VERTICAL DONKEY BOILER— No. 011 Description Vertical Manufacturers of steel Colwith 100
 Made at Widemouth By whom made G. Black Sons When made 14/2/06 Where fixed in stokehold
 Working pressure 90lb tested by hydraulic pressure to 180lb No. of Certificate 593 Fire grate area 12.56 sq ft Description of safety valves Spring
 No. of safety valves 1 Area of each 7.07 sq ft Pressure to which they are adjusted 90lb If fitted with easing gear yes If steam from main boilers can
 enter the donkey boiler No Dia. of donkey boiler 4-6" Length 9-0" Material of shell plates S Thickness 3/8" Range of tensile
 strength 27-32 Descrip. of riveting long. seams Lap dth Dia. of rivet holes 13/16 Whether punched or drilled dth Pitch of rivets 2 3/4"
 Direction of plating 4" Per centage of strength of joint Rivets 72 Working pressure of shell by rules 101 Thickness of shell crown plates 9/16"
 Plates 70 Diameter of furnace Top 3-7" Bottom 3-11" Length of furnace 4-6"
 Thickness of furnace plates 1/2" Description of joint Lap dth Working pressure of furnace by rules 110 Thickness of furnace crown
 plates 3/8" Stayed by Nuts 3-6 7/8" Diameter of uptake 12" Thickness of uptake plates 3/8" Thickness of water tubes 3/8"

The foregoing is a correct description,
 Manufacturer.

Dates { During progress of work in shops - - } 1906 Jan 22. Feb 14.
 Survey { During erection on board vessel - - - }
 while building { Total No. of visits } 2.

Is the approved plan of main boiler forwarded herewith

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GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This donkey boiler has been built under special survey, the materials and workmanship are sound and good and on completion it was taken to twice working pressure & found satisfactory

G. A. Staker

This boiler has been fitted and secured in stokehold tested under steam and safety valves set to 90 lbs and the feed donkey tried and found good.

James Barclay

REMAIN

Certificate (if required) to be sent to

The amount of Entry Fee...	£	:	:	When applied for,
Special	£	2	2	21 st Feb 06.
Donkey Boiler Fee ...	£	:	:	When received,
Travelling Expenses (if any) £	:	:	16	adv. London 15/31 19.06. NR

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

Committee's Minute

TUES. JUN 12 1906

Assigned *See Minute on hwe. Rpt. No 50904*



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