

REPORT ON BOILERS.

No. 14906.

Port of Greenock

Received at London Office

TUES. NOV. 13 1906

No. in Survey held at Greenock
Reg. Book.Date, first Survey 10th Jan'y 1906Last Survey 2nd Nov 1906(Number of Visits 73)on the SCREW STEAMER BARDISTAN.Gross
Tons
NetMaster Davies Built at Greenock By whom built Scott's S.S. & Eng. Co. Ltd. When built 1906Engines made at Greenock By whom made Scott's S.S. & Eng. Co. Ltd. when made 1906Boilers made at Greenock By whom made Scott's S.S. & Eng. Co. Ltd. when made 1906

Registered Horse Power

Owners

Port belonging to

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Steel Coy of Scotland(Letter for record S) Total Heating Surface of Boilers 802 sq. ft. Is forced draft fitted no No. and Description ofBoilers one, Cylindrical, Single End. Working Pressure 100 lbs Tested by hydraulic pressure to 200 lbs Date of test 16/3/06No. of Certificate 757 Can each boiler be worked separately ✓ Area of fire grate in each boiler 30 sq. ft. No. and Description ofsafety valves to each boiler 2 Direct Spring Area of each valve 4.9 sq. in. Pressure to which they are adjusted 102 lbs.Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler noSmallest distance between boilers or uptakes and bunkers or woodwork About 10" Mean dia. of boilers 10' 0" Length 10' 0"Material of shell plates Steel Thickness 1 3/8" Range of tensile strength 28 to 32 tons Are the shell plates welded or flanged noDescrip. of riveting: cir. seams Lap, Double long. seams Lap = quadruple Diameter of rivet holes in long. seams 7/8" Pitch of rivets 4 1/2" 2 rows rowsLap of plates or width of butt straps 6 3/4" Per centages of strength of longitudinal joint rivets 80 Working pressure of shell byrules 100 lbs Size of manhole in shell 16" x 12" Size of compensating ring 28" x 36" x 1/2" No. and Description of Furnaces in eachboiler 2: plain Material Steel Outside diameter 37 1/2" Length of plain part 6' 10" Thickness of plates 9" bottom 7 1/2"Description of longitudinal joint Weld No. of strengthening rings 7 Working pressure of furnace by the rules 111 lbs Combustion chamberplates: Material Steel Thickness: Sides 1/2" Back 1/2" Top 1/2" Bottom 9/16" Pitch of stays to ditto: Sides 8' x 9 1/4" Back 9' x 8"Top 7' x 8" If stays are fitted with nuts or riveted heads Auto. Working pressure by rules 100 lbs Material of stays Steel Diameter atsmallest part 1 1/8" Area supported by each stay 74 sq. in. Working pressure by rules 100 lbs End plates in steam space: Material Steel Thickness 1 1/8"Pitch of stays 14" x 14" How are stays secured By hooks & washers Working pressure by rules 111 lbs Material of stays Steel Diameter at smallest part 1 1/8"Area supported by each stay 196 sq. in. Working pressure by rules 100 lbs Material of Front plates at bottom Steel Thickness 1 1/8" Material ofLower back plate Steel Thickness 1 1/8" Greatest pitch of stays 14 1/2" Working pressure of plate by rules 111 lbs Diameter of tubes 3"Pitch of tubes 4 1/4" x 4 1/4" Material of tube plates Steel Thickness: Front 1 1/8" Back 1 1/8" Mean pitch of stays 12 3/4" Pitch across widewater spaces 14 1/2" Working pressures by rules 149 lbs 104 lbs Girders to Chamber tops: Material Steel Depth and thickness ofgirder at centre 5 1/8" x 1 1/2" Length as per rule 27 1/2" Distance apart 7" Number and pitch of Stays in each 2: 8"Working pressure by rules 100 lbs Superheater or Steam chest: None Can the superheater be shut off and the boiler worked

separately

Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet

holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

If stiffened with rings 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. ✓ Description Manufacturers of steel

Made at By whom made When made Where fixed

Working pressure tested by hydraulic pressure to No. of Certificate 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 Length Material of shell plates Thickness Range of tensile

strength Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets

Lap of plating Per centage of strength of joint Rivets Plates Working pressure of shell by rules Thickness of shell crown plates

Radius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace

Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown

plates Stayed by Diameter of uptake Thickness of uptake plates Thickness of water tubes

SCOTT'S SHIPBUILDING & ENGINEERING COMPANY,

The foregoing is a correct description.

Manufacturer.

Assistant Secretary.

Dates
of Survey
while
building
{ During progress of
work in shops - -
{ During erection on
board vessel - - -
Total No. of visits

See accompanying report.

Is the approved plan of main boiler forwarded herewith Yes

" " " donkey " " "

© 2021

Lloyd's Register
Foundation

0400-0040

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

This Boiler has been built under Special Survey and the materials and workmanship are good.

For recommendations, see preceding sheet.

Certificate (if required) to be sent to

(The Surveys are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee...	£	:	:	When applied for.
Special ...	£	:	:	19
Donkey Boiler Fee ...	£	:	:	When received.
Travelling Expenses (if any) £	£	:	:	19

Committee's Minute

Glasgow 12 NOV 1908

Assigned

See accompanying report.

Wm R. Austin

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



© 2021

Lloyd's Register
Foundation