

182 B

Rpt. 5.

REPORT ON BOILERS.

No. 52390
TUES. FEB 19 1907

Port of Newcastle

Received at London Office

No. in Survey held at
Reg. Book.

Newcastle

Date, first Survey

Last Survey

Feb. 17 1907

(Number of Visits)

on the

S/S "Sisak"

Master Linchlagh

Built at Newcastle

By whom built

Armstrong Whitworth & Co

Tons Gross 4657

Net 2970

When built 1906-7

Engines made at

Newcastle

By whom made

Wallsend Slipway & Engineering Co

When made 1906-7

Boilers made at

By whom made

when made 1906-7

Registered Horse Power

Owners Deutsche Dampfschiffahrts-Gesellschaft

Port belonging to Hamburg

MULTITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY. — Manufacturers of Steel J. Spence & Sons Ltd.

(Letter for record S) Total Heating Surface of Boilers 804 ¹² Is forced draft fitted No. and Description of Boilers 1 S. ended Working Pressure 180 ⁴ Tested by hydraulic pressure to 360. Date of test 14.12.06No. of Certificate 7394. Can each boiler be worked separately Area of fire grate in each boiler 24 ⁷ No. and Description of safety valves to each boiler 2 Spring. Area of each valve 4 ¹² Pressure to which they are adjusted 185 ¹⁰

Are they fitted with easing gear Yes. In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No

Smallest distance between boilers or uptakes and bunkers or woodwork 2 feet Ev-7 dia. of boilers 10 ft Length 10 ft

Material of shell plates S Thickness 5 ¹/₄ Range of tensile strength 28-32 Are the shell plates welded or flanged NoDescrip. of riveting: cir. seams d. r. lap long. seams d. butts Diameter of rivet holes in long. seams 3 ¹/₂ Pitch of rivets 6 ⁷/₈Exp. of plates or width of butt straps 14 ³/₈ Per centages of strength of longitudinal joint rivets 90 plate 85.9 Working pressure of shell by rules 194. Size of manhole in shell 16 x 12. Size of compensating ring McNeil No. and Description of Furnaces in each boiler 2 MonsonMaterial S Outside diameter 36 ¹/₂ Length of plain part top 19 ¹/₂ Thickness of plates crown 3 ¹/₄ bottom 3 ¹/₄Description of longitudinal joint weld. No. of strengthening rings Working pressure of furnace by the rules 194. Combustion chamber plates: Material S Thickness: Sides 19 ¹/₂ Back 19 ¹/₂ Top 19 ¹/₂ Bottom 3 ¹/₄ Pitch of stays to ditto: Sides 7 ¹/₂ x 7 ¹/₂ Back 7 ¹/₂ x 7 ¹/₂Top 7 ¹/₂ x 7 ¹/₂ If stays are fitted with nuts or riveted heads nuts Working pressure by rules 210 Material of stays S Diameter at smallest part 1 ¹/₄ Area supported by each stay 58 Working pressure by rules 200 End plates in steam space: Material S Thickness 1 ¹/₂Pitch of stays 1 ¹/₂ x 13 ¹/₈ How are stays secured d. nut Working pressure by rules 24 ⁷/₈ Material of stays S Diameter at smallest part 5.05Area supported by each stay 230 Working pressure by rules 219 Material of Front plates at bottom S Thickness 1 ¹/₂ Material of Lower back plate S Thickness 1 ¹/₂ Greatest pitch of stays 14 ¹/₂ Working pressure of plate by rules 180 Diameter of tubes 3 ¹/₄Pitch of tubes 4 ¹/₂ x 4 ¹/₂ Material of tube plates S Thickness: Front 1 ¹/₂ Back 3 ¹/₄ Mean pitch of stays 8 ¹/₂ Pitch across wide water spaces 13 ¹/₄ Working pressures by rules 203 Girders to Chamber tops: Material S Depth and thickness of girder at centre 6 ¹/₄ x 12 Length as per rule 203 Distance apart 4 ¹/₄ Number and pitch of Stays in each 2 of 4 ¹/₂

Working pressure by rules 206. Superheater or Steam chest; how connected to boiler 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 Date of test 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

Radius of do. Stayed by Diameter of uptake Thickness of uptake plates

Thickness of water tubes

FOR THE WALLSEND SLIPWAY & ENGINEERING CO., LIMITED.

The foregoing is a correct description.

M. Murray

SECRETARY.

Manufacturer.

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

Please see machinery report.

Is the approved plan of main boiler forwarded herewith

" " " donkey " " "

© 2020

Lloyd's Register Foundation

W1587-089

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

*Built under Special Survey. fitted
and examined under Steam I.Y.F.*

Certificate (if required) to be sent to
(The Surveyors are requested not to write on or below the space for Committee's Minute.)

The amount of Entry Fee...	£	:	:	When applied for.
Special ...	£	:	:	18 FEB 1907
Donkey Boiler Fee ...	£	0	0	When received.
Travelling Expenses (if any) £	:	:	:	207 2/10

B.07
24.2.07

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

Committee's Minute FRI. FEB 22 1907

Assigned



© 2020

Lloyd's Register
Foundation