

REPORT ON BOILERS.

No. 13797

Received at London Office

JAN. 10. 1914

of writing Report 5th Jan 1914 When handed in at Local Office 19 Port of Hamburg

No. in Survey held at Flensburg Date, First Survey 3rd July Last Survey 31st Decr. 1913

of Sg. Book. Steel Co. Lr. "Schneefels" (Number of Visits 15) Gross 5826 Tons Net 5637

ster v. Freeden Built at Flensburg By whom built Flensburger Schiffbau Ges. When built 1911

ines made at Flensburg By whom made Flensburger Schiffbau Ges. when made 1913

lers made at Flensburg By whom made Flensburger Schiffbau Ges. when made 1913

istered Horse Power 530 Owners Deutsche Dampfschiff. Ges. Hansa Port belonging to Bremen

ULTITUBULAR BOILERS — MAIN, AUXILIARY OR DONKEY. — Manufacturers of Steel Fried. Krupp A.G., Essen

atter for record 3) Total Heating Surface of Boilers 1078 sq. ft. Is forced draft fitted no No. and Description of

ainers Single ended multitubular Working Pressure 120 lbs Tested by hydraulic pressure to 240 lbs Date of test 12.11.13.

of Certificate 233 Can each boiler be worked separately yes Area of fire grate in each boiler 46.72 sq. ft. No. and Description of

valves to each boiler 2 Spring loaded Area of each valve 7.29 in. dia. Pressure to which they are adjusted 120 lbs

they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no

allest distance between boilers or uptakes and bunkers or woodwork 22 in. Mean dia. of boilers 11 1/4 in. Length 10' 3 1/2'

aterial of shell plates Steel Thickness .8 in. Range of tensile strength 28-32 Tons Are the shell plates welded or flanged —

scrip. of riveting: cir. seams lap, dbl. riv. long. seams lap, riv. Diameter of rivet holes in long. seams 1 1/2 Pitch of rivets 6 3/4

of plates or width of butt straps 15 in. Per centages of strength of longitudinal joint 84.5% Working pressure of shell by

es 135 lbs Size of manhole in shell 16.5 x 12.6 in. Size of compensating ring 82.5 x 8 in. No. and Description of Furnaces in each

ler 2 plain Material Steel Outside diameter 37.4 in. Length of plain part 64.9 in. Thickness of plates .70 in.

escription of longitudinal joint welded No. of strengthening rings none Working pressure of furnace by the rules 204.5 lbs Combustion chamber

ates: Material Steel Thickness: Sides .56 in. Back .56 in. Top .56 in. Bottom .87 in. Pitch of stays to ditto: Sides 7.87 x 7.5 Back 7.87 x 7.5

stays are fitted with nuts or riveted heads heads rivets Working pressure by rules 130 lbs Material of stays Steel Diameter at

allest part 1.37 in. Area supported by each stay 59.29 sq. in. Working pressure by rules 214 lbs End plates in steam space: Material Steel Thickness .87 in.

ch of stays 15.75 in. How are stays secured dbl. rivets Working pressure by rules 199.9 lbs Material of stays Steel Diameter at smallest part 2.75 in.

ea supported by each stay 248.29 sq. in. Working pressure by rules 249.1 lbs Material of Front plates at bottom Steel Thickness .937 in. Material of

er back plate Steel Thickness .787 in. Greatest pitch of stays 13.9 in. Working pressure of plate by rules 203.1 lbs Diameter of tubes 1.25 in.

ch of tubes 4.5 in. Material of tube plates Steel Thickness: Front .937 in. Back .8 in. Mean pitch of stays 9 in. Pitch across wide

ter spaces 14 in. Working pressures by rules 120 lbs Girders to Chamber tops: Material Steel Depth and thickness of

der at centre 7.1 in. x 1.76 in. Length as per rule 27.5 in. Distance apart 7.87 in. Number and pitch of Stays in each 3-7.08 in.

orking pressure by rules 140.8 lbs Superheater or Steam chest: how connected to boiler — Can the superheater be shut off and the boiler worked

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

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

stiffened with rings — Distance between rings — Working pressure by rules — End plates: Thickness — How stayed —

orking pressure of end plates — Area of safety valves to superheater — Are they fitted with easing gear —

The foregoing is a correct description.

Flensburger Schiffbau-Gesellschaft

Manufacturer.

Is the approved plan of boiler forwarded herewith yes

Dates During progress of work in shops: 3/7, 21/8, 12/9, 3/10, 9/10, 21/10, 29/10 + 10/11

when while During erection on board vessel: 20/11, 21/11, 27/11, 8/12, 18/12, 23/12 + 31/12/13 Total No. of visits 15

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

This Boiler has been built under Special Survey in accordance with the approved plan, the workmanship and material are of best quality and in my opinion this boiler is eligible to fit on board of classed vessel. For further particulars please see Main Report on this Vessel's 1st Entry.

Survey Fee ... £ : : When applied for. 19

Travelling Expenses (if any) £ : : When received, 19

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

Committee's Minute

TUE. JAN. 13. 1914

Signed



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