

REPORT ON BOILERS.

BOX CASE

No. 5719
SAT. 20 MAR 1909

Date of writing Report 19 When handed in at Local Office 19th March 1909 Port of MIDDLESBROUGH-ON-TEES.
 No. in Survey held at Stockton-on-Tees Date, First Survey 17th Feb. 1909 Last Survey 19
 Reg. Book. on the Steel Screw Steamer "Cabo Cullera" (Number of Visits) (Gross Tons) (Net Tons)
 Master Built at By whom built When built
 Boiler made at Stockton By whom made Messrs Thos Sudron & Co Ltd (No 2494) When made 1909
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. one Description Vert 4 cross tubes Manufacturers of steel J. Spencer & Sons
 Made at Stockton By whom made Thos Sudron & Co Ltd When made 1909 Where fixed Stokehold Working pressure 100 lb
 tested by hydraulic pressure to 200 Date of test 8.3.09 No. of Certificate 4238 Fire grate area 25 $\frac{1}{2}$ Description of safety valves Direct Spring
 No. of safety valves 2 Area of each 4.908 Pressure to which they are adjusted 100 If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No Dia. of donkey boiler 6'-6" Length 13'-6" Material of shell plates steel Thickness $\frac{15}{32}$ " Range of tensile strength 28-32 Descrip. of riveting long. seams Single Riv Lap Dia. of rivet holes $\frac{13}{16}$ Whether punched or drilled drilled Pitch of rivets 2 $\frac{1}{2}$ "
 Lap of plating 4 $\frac{1}{4}$ " Per centage of strength of joint Rivets 70.3 Plates 69.7 Working pressure of shell by rules 100 lb Thickness of shell crown plates $\frac{5}{16}$ "
 Radius of do. 5'-9" No. of Stays to do. 6 off Dia. of stays 1.59" Diameter of furnace Top 5'-5 $\frac{1}{2}$ " Bottom 5'-10" Length of furnace 5'-3"
 Thickness of furnace plates $\frac{21}{32}$ " Description of joint Single Riv Lap Working pressure of furnace by rules 100 lb Thickness of furnace crown plates $\frac{21}{32}$ " Radius of do. 5'-9" Stayed by as shell crown Diameter of uptake 16" Thickness of uptake plates $\frac{7}{16}$ "
 Thickness of water tubes $\frac{3}{8}$ "

The foregoing is a correct description,
 THOMAS SUDRON & CO LIMITED Manufacturer.
 R. Johnston

Dates of Survey while building { During progress of work in shops - - } 1909 Feb. 14 22 25 Mar. 1 3 5 8
 { During erection on board vessel - - - }
 Total No. of visits

Is the approved plan of boiler forwarded herewith yes

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 and in general conformity with the Rules. The materials and workmanship are sound and good, and on completion the boiler was tested by hydraulic pressure and found satisfactory.

The boiler has now been forwarded to Bilbao when it is understood it will be fitted on board.

Survey Fee ... £ 2-2-0 When applied for, Monthly 1909
 Travelling Expenses (if any) £ : : When received, 1909

Committee's Minute

TUES 27 APR 1909

Assigned

See Minute on

Bto Rpt 2953

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

Lloyd's Register
 Foundation

W469-0334