

Hull Rpt No 23570

REPORT ON BOILERS.

No. 6606
THUR. 30 MAR 1911
SAT. 7 JAN 1911

of writing Report 6/1/11 19 When handed in at Local Office 11th Jan. 1911 Port of Middlesbrough

o. in Survey held at Stockton-on-Tees Date, First Survey 13th Dec. Last Survey 30th Dec. 1910

Book. 23 on the boiler for the Iron Steam Trawler "Fulmar" (Number of Visits 11) Gross 231 Tons Net 93

ter Built at Hull By whom built Cook Wilton & Gemmel When built 1899-3

ines made at Hull By whom made C. S. Holmes & Co when made 1899

ers made at Stockton By whom made Riley Bros Ltd. (N° 4226) when made 1910

stered Horse Power Owners Pickering & Haldane's S. T. Co Ltd. Port belonging to Hull.

LTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel J. Spencer Stone

er for record (S) Total Heating Surface of Boilers 1042 f Is forced draft fitted No. and Description of

ers One single ended Working Pressure 200 Tested by hydraulic pressure to 400 Date of test 30.12.10

of Certificate 4554 Can each boiler be worked separately Area of fire grate in each boiler 30 f No. and Description of

y valves to each boiler Two Spring Area of each valve 3.946 Pressure to which they are adjusted 200 LBS.

they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

lest distance between boilers or uptakes and bunkers or woodwork 5" Inside Mean dia. of boilers 11'-6" Length 9'-6"

rial of shell plates steel Thickness 1 1/2" Range of tensile strength 28-32 Are the shell plates welded or flanged no

ip. of riveting: cir. seams 2 Riv Lap long. seams 2 1/2-3 Riv Diameter of rivet holes in long. seams 1 3/16 Pitch of rivets 8"

of plates or width of butt straps 16 1/2 x 1 1/2 5 Rivets per pitch Per centages of strength of longitudinal joint rivets 97.0 Working pressure of shell by plate 85.12

203 lbs Size of manhole in shell 16" x 12" Size of compensating ring 9 in. Girders No. and Description of Furnaces in each

2 plain Material steel Outside diameter 41 Length of plain part top 5'-8" Thickness of plates crown 1 3/16 bottom 1 1/4

ription of longitudinal joint welded No. of strengthening rings none Working pressure of furnace by the rules 212 Combustion chamber

: Material steel Thickness: Sides 1 1/16 Back 2 1/32 Top 1/2 Bottom 1 3/16 Pitch of stays to ditto: Sides 9" x 7" Back 8" x 8"

9" x 7" If stays are fitted with nuts or riveted heads nuts Working pressure by rules 251 Material of stays steel Diameter at

st part 1 1/2" Area supported by each stay 63 Working pressure by rules 253 End plates in steam space: Material steel Thickness 1 3/4

of stays 16 x 15 How are stays secured nuts & 8 x 3/8 loose washers Working pressure by rules 216 Material of stays steel Diameter at smallest part 2.66"

supported by each stay 240 Working pressure by rules 240 Material of Front plates at bottom steel Thickness 1 3/4 Material of

back plate steel Thickness 1 3/4 Greatest pitch of stays 14" x 8" Working pressure of plate by rules 297 Diameter of tubes 3 1/2"

of tubes 5 x 4 1/2 Material of tube plates steel Thickness: Front 1 3/4 Back 7/8 Mean pitch of stays 10 15/16 Pitch across wide

spaces 14 1/2 Working pressures by rules 200 Girders to Chamber tops: Material steel Depth and thickness of

at centre 9 1/2 x 1 1/2 Length as per rule 2'-10" Distance apart 8" Number and pitch of Stays in each 3 @ 7"

ng pressure by rules 201 Superheater or Steam chest: how connected to boiler none Can the superheater be shut off and the boiler worked

tely 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

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

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

The foregoing is a correct description,
RILEY BROS. BOILERMAKERS LTD. Manufacturer.

During progress of 1910. 13. 18. 20. 31. Nov. 2. 8. 11. 18. 23. 29. Dec. 1. 16. Is the approved plan of boiler forwarded herewith yes

work in shops - 20. 23. 30.

During erection on board vessel - - - Total No. of visits 11

ERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built for special survey, is of good material and workmanship and on completion was tested by hydraulic pressure with satisfactory results. It is stated that the boiler will be fitted on board at Hull and boiler has now been fitted on board.

Fee ... £ 3-9-0 When ... Monthly as per

elling Expenses (if any) £ ... When received, 19...

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

ittee's Minute FRI. 31 MAR 1911 FRI. SEP. 29. 1911