

REPORT ON BOILERS.

No. 9589

THU 18 JAN 1917

Received at London Office

Date of writing Report 17/1/1917 When handed in at Local Office 17/1/1917 Port of Middlesbrough
 No. in Survey held at Stockton-on-Tees Date, First Survey 17th Nov. /15 Last Survey 6th Jan'y 1917
 Reg. Book. Stockton-on-Tees
 on the Steel screw steamer "ASHLEAF" (Number of Visits (S.S.N. 505)) Tons { Gross 5768 Net 3436
 Master W. Phillips Built at Stockton By whom built Messrs Roper & Sons When built 1917
 Engines made at Stockton By whom made Messrs Blair & Co Ld (N. 1834) When made 1917
 Boilers made at Stockton By whom made Messrs Blair & Co Ld (N. E. 12) When made 1917
 Registered Horse Power _____ Owners Lane & Macandrew & Co Port belonging to London.

MULTITUBULAR BOILERS—~~MAIN~~, AUXILIARY OR ~~DONKEY~~—Manufacturers of Steel Messrs J. Spencer & Sons

Letter for record (S) Total Heating Surface of Boiler 1208 Is forced draft fitted no No. and Description of Boilers One single ended
 Working Pressure 180 Tested by hydraulic pressure to 360 Date of test 10.3.16

No. of Certificate 5623 Can each boiler be worked separately yes Area of fire grate in each boiler oil fuel No. and Description of Safety valves to each boiler 2 direct spring Area of each valve 3.98 Pressure to which they are adjusted 185

Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler yes
 Smallest distance between boilers 2'-2" External Mean dia. of boilers 12'-0" Length 10'-0"

Material of shell plates steel Thickness 15¹/₁₆ Range of tensile strength 29³/₄-33 Are the shell plates welded or flanged no
 Descrip. of riveting: cir. seams 2 R-lap long. seams 2 B-3 Riv Diameter of rivet holes in long. seams 1 1/2 Pitch of rivets 7 3/8

Width of butt straps 15 3/8 x 7/8 Per centages of strength of longitudinal joint rivets 96.0 Working pressure of shell by rules 183 Size of manhole in shell 16" x 12" Size of compensating ring 7 1/2 x 1 1/2

No. and Description of Furnaces in each boiler 2 plain (lowly) Material steel Outside diameter 40 1/2 Length of plain part 72 1/2 Thickness of plates 3
 Description of longitudinal joint welded No. of strengthening rings none Working pressure of furnace by the rules 188 Combustion chamber

Material steel Thickness: Sides 1/2 Back 1/2 Top 1/2 Bottom 3/4 Pitch of stays to ditto: Sides 9 x 9 1/2 Back 8 1/2 x 9 1/2
 Top 9 x 9 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 191 Material of stays steel Area at

smallest part 1.99 Area supported by each stay 85.5 Working pressure by rules 210 End plates in steam space: Material steel Thickness 1 1/2
 Pitch of stays 18 1/2 x 16 How are stays secured nuts & 8 x 1 1/2 washers Working pressure by rules 204 Material of stays steel Area at smallest part 3 1/2

Area supported by each stay 314 Working pressure by rules 184 Material of Front plates at bottom steel Thickness 1 1/2 Material of Lower back plate steel Thickness 3 1/2

Greatest pitch of stays 15 3/8 x 9 1/2 Working pressure of plate by rules 198 Diameter of tubes 3 1/2
 Pitch of tubes 4 3/8 x 4 5/8 Material of tube plates steel Thickness: Front 1 1/2 Back 1 3/8 Mean pitch of stays 10 5/8 Pitch across wide

water spaces 14 1/2 Working pressures by rules 188 Girders to Chamber tops: Material steel Depth and thickness of

order at centre 7 x 1 1/2 Length as per rule 26 1/2 Distance apart 9 Number and pitch of Stays in each 2 @ 9
 Working pressure by rules 188 Steam dome: description of joint to shell none % of strength of joint

Diameter _____ Thickness of shell plates _____ Material _____ Description of longitudinal joint _____ Diam. of rivet holes _____
 Pitch of rivets _____ Working pressure of shell by rules _____ Crown plates _____ Thickness _____ How stayed _____

SUPERHEATER. Type none Date of Approval of Plan _____ Tested by Hydraulic Pressure to _____
 Date of Test _____ Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler _____

Diameter of Safety Valve _____ Pressure to which each is adjusted _____ Is Easing Gear fitted _____

The foregoing is a correct description,
Geo Nettleship Manufacturer.

Dates of Survey { During progress of work in shops - - - } See accompanying Is the approved plan of boiler forwarded herewith yes
 { While building } Machinery report. Total No. of visits _____

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This boiler has been built under special survey, is of good material and workmanship and on completion was tested by hydraulic pressure with satisfactory results. The boiler has now been satisfactorily secured on board, examined under steam and safety valves adjusted

Survey Fee ... £ included When applied for, 191
 Travelling Expenses (if any) £ in entry When received, 191

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

Committee's Minute TUE. JAN. 23. 1917 FRI. - 4 MAY. 1917

