

REPORT ON BOILERS.

Sld. No. 32546

Sl. No. 60186

SEP 15 1938

Date of writing Report 12.9.38 When handed in at Local Office 10.9.38 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 30.6.38 Last Survey 1-9-1938
 Reg. Book. on the S/S FULHAM IV (Number of Visits 8) Tons Gross 225 Net 225
 Master Built at Burntisland By whom built Burntisland SBC (N° 226) When built 1938
 Boilers made at Annan By whom made Buchan & Co Annan Ld (N° 14118) When made 1938
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. one Description Buchan Manufacturers of steel The Cornett Iron Co Ltd
 Made at By whom made When made Where fixed Working pressure 100
 tested by hydraulic pressure to 200 Date of test 1-9-38 No. of Certificate 20256 Fire grate area 140 Description of safety valves Enclosed spring
 No. of safety valves 2 Area of each 3'14" Pressure to which they are adjusted If fitted with easing gear yes If steam from main boilers can enter the donkey boiler
 Diameter of donkey boiler 5'3" Length 11'9" Material of shell plates steel Thickness 13 1/2"
 Range of tensile strength 28-32 tons Description of riveting long. seams BR lap Diameter of rivet holes 2 5/8" Whether punched or drilled drilled Pitch of rivets 2'59". 2'98". 2'67" Lap of plating 3 7/8" Per centage of strength of joint Rivets 72.45 Plates 69.8 Working pressure of shell by rules 117 Thickness of shell crown plates 4 3/4" 3/8" Radius of do. 2'7 1/2" No. of stays to do. Diameter of stays Diameter of furnace—Top Bottom 4'6" Length of furnace Thickness of furnace side plates 1/2" Description of joint Seamless Working pressure of furnace by rules 153 Thickness of Ogee ring 4 3/4" Working pressure of Ogee ring by rules 103 Thickness of furnace crown plates 1/2" Radius of do. 2'3" Stayed by hemisphere Diameter of uptake 13'19 1/2" Thickness of uptake plates 9/16" Thickness of tube plates front 1 1/16" back 9/16" Mean pitch of stay tubes in nest 10'7" Pitch in outer vertical rows 8"
 Diameter of tube holes FRONT stay 2 1/16" plain 2 9/16" BACK stay 2 1/2" plain 2 1/2" Working pressure of tube plates by rules 1105.8/110 Tubes: Material steel
 External diameter stay 2 1/2" plain 2 1/2" Thickness stay 1 1/16" plain 1 1/16" No. of threads per inch 9 Pitch of tubes 3 1/16" x 4"
 Working pressure by rules 175 Manhole compensation: Size of opening in shell plate 16'x12" Section of compensating ring 6'x9'8" No. of rivets and diameter of rivet holes 36 @ 2 5/8" Outer row pitch at ends 3 1/16"

The foregoing is a correct description.

T. Foster Manufacturer.

Dates of Survey During progress of work in shops— 1938 June: 30 July: 7. 13: Aug: 4. 11. 19. 26 Sep: 1 Drawing No. 24057
 During erection on board vessel —
 building —
 Total No. of visits 8 Is the approved plan of boiler forwarded herewith yes

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

The materials and workmanship are good.
 The boiler has been constructed under special Survey.
 To the order of Messrs The North Eastern Marine Engineering Co Ltd Sunderland. (C N° 2929)

The boiler will be sent to Burntisland to be fitted in the vessel.

Survey Fee ... £ 4 : 4 : When applied for 19
 Travelling Expenses (if any) £ : : When received 19

MONTHLY ACCOUNT

Sld. Davis.
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 14 SEP 1938

Assigned TRANSMIT TO LONDON

FRI 27 JAN 1939

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