

REPORT ON BOILERS.

No. 58882

Date of writing Report 28. 9. 37 When handed in at Local Office 27. 5. 37 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 27. 5. 37 Last Survey 20-9-1937
 Reg. Book. on the BOILERS N^o 13614-5 for the M/V CAPE TOWN CASTLE (Number of Visits 15) Gross Tons { Net Tons
 Master J. M. Built at Belfast By whom built Harland & W. of Belfast N^o 986 When built 1937
 Boilers made at Annan By whom made Buchanan & Co. Annan Ltd. When made 1937
 Owners Union Castle Mail S.S. Co. Ltd. Port belonging to London

VERTICAL DONKEY BOILER— No. Two Description vertical Manufacturers of steel Buchanan & Co. Ltd.
 Made at Annan By whom made Buchanan & Co. Annan Ltd. When made 1937 Where fixed Working pressure 100
 tested by hydraulic pressure to 200 Date of test 20-9-37 No. of Certificate 20037-8 Fire grate area 374¹/₂ Description of safety valves High lift
 No. of safety valves 2 Area of each 3.14¹/₂ 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 8'-0" Length 18'-9" Material of shell plates S Thickness 9/16" 1/16"
 Range of tensile strength 28-32 Description of riveting long. seams WR Lap Diameter of rivet holes 29/32" Whether punched or drilled drilled Pitch of rivets 2.906. 2.886. 2.742 Lap of plating 4 1/2" Per centage of strength of joint Rivets 64.8 Working pressure of shell by rules 104 Thickness of shell crown plates 1" 8 1/2" Radius of do. 48" No. of stays to do. Diameter of stays Diameter of furnace—Top Bottom 7'-0" Length of furnace Thickness of furnace side plates 5/8" Description of joint Seamless Working pressure of furnace by rules 124 Thickness of Ogee ring 1" Working pressure of Ogee ring by rules 117 Thickness of furnace crown plates 5/8" Radius of do. 42" Stayed by hemisphere Diameter of uptake 21 1/2"-25" Thickness of uptake plates 9/16" Thickness of tube plates front 2 3/32" back 13/16" Mean pitch of stay tubes in nest 13.44" Pitch in outer vertical rows 9"
 Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules F102.3117 Tubes: Material Iron
 External diameter stay 2 1/2" Thickness stay 1 1/32" No. of threads per inch 9 Pitch of tubes 4 1/2" x 3 9/16"
 Working pressure by rules 125 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 28" dia x 27/32" No. of rivets and diameter of rivet holes 36 @ 29/32" Outer row pitch at ends 3.949"

FOR COCHRAN & CO., ANNAN, LTD.
 The foregoing is a correct description.

W. J. H. Manufacturer.
 WORKS MANAGER

Dates of Survey while building During progress of work in shops- 1937 May: 27 June: 8-17 July: 8-15-30 Aug: 5-10-17-27-27 Drawing No. E. 35100
 During erection on board vessel - Sep: 2-9-16-20
 Total No. of visits 15
 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 boilers have been constructed under special survey.

The boilers will be sent to Belfast to be fitted in the vessel.

28/9/37 These boilers have been efficiently installed & fastened on the stands on the tank top. The safety valves were adjusted under steam accumulation tests were satisfactory.

Charles H. Hunter
 Belfast
 9/2/38.

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

MONTHLY ACCOUNT

Committee's Minute GLASGOW 23 SEP 1937
 Assigned TRANSMIT TO LONDON

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 Engineer Surveyor to Lloyd's Register of Shipping.
 FRI. 22 APR 1938
 See Bel 16/12/28
 015348-015354-0046