

REPORT ON BOILERS.

No. 55071

30 JAN 1935

Date of writing Report 19/10/34 When handed in at Local Office 22. 10. 1934 Port of Glasgow Received at London Office 24 OCT 1934

No. in Survey held at Renfrew Date, First Survey 23-8-34 Last Survey 22/10/1934

Reg. Book. Spencer Bonecourt Waste Heat Boiler No 69/322 (No. of Visits 7) Gross 8580 Tons

Master Commonwealth & Dominion Line Ltd Built at Glydebank By whom built J. Brown & Co Ltd When built 1934

Boilers made at Renfrew By whom made Babcock & Wilcox Ltd When made 1934

Owners Commonwealth & Dominion Line Ltd Port belonging to London

SPENCER-BONECOURT BOILER No. 69/322 Description Waste-heat Manufacturers of steel Steel Co of Scotland

~~VERTICAL DONKEY BOILER~~ Made at Renfrew By whom made Babcock & Wilcox Ltd When made 1934 Where fixed - Working pressure 100 lb

tested by hydraulic pressure to 200 lb Date of test 28/9/34 No. of Certificate 19456 Fire grate area - Description of safety valves -

No. of safety valves - Area of each - Pressure to which they are adjusted - If fitted with easing gear - If steam from main boilers can enter the donkey boiler -

Range of tensile strength 28/32 Tons Description of riveting long. seams S.R.-D.B. Staps Diameter of rivet holes 23/32" Whether punched or drilled drilled Pitch of rivets 2.09 & 2.122" Lap of plating ✓ Per centage of strength of joint Rivets 79% Plates 65.7% Working pressure of shell by rules 100 lb Thickness of shell END plates 5/8" Radius of do. ✓ No. of stays to do. ✓ Diameter of stays - Diameter of furnace—Top ✓ Bottom ✓ Length of furnace ✓ Thickness of furnace side plates ✓ Description of joint ✓ Working pressure of furnace by rules ✓ Thickness of Ogee ring ✓ Working pressure of Ogee ring by rules ✓ Thickness of furnace crown plates ✓ Radius of do. ✓ Stayed by ✓ Diameter of uptake ✓ Thickness of uptake plates ✓ Thickness of tube plates TOP front 5/8" back 5/8" Mean pitch of stay tubes in nest 9 1/2" Pitch in outer vertical rows ✓

Diameter of tube holes FRONT stay 1 5/8" BACK stay 1 1/2" Working pressure of tube plates by rules over 100 lb Tubes: Material Steel

External diameter stay 1 7/8" plain 1 1/2" Thickness stay 3/16" plain 10 wg No. of threads per inch 9 Pitch of tubes 2 3/8" x 2 7/8"

Working pressure by rules over 100 lb Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 7 7/8" x 13/16" No. of rivets and diameter of rivet holes 40 - 23/32" Outer row pitch at ends equal pitches

The foregoing is a correct description,

Babcock & Wilcox, Ltd. Manufacturer.
en. Robert Paton

Dates of Survey while building

(During progress of work in shops - -)	<u>1934 Aug: 23-24-31 Sep: 28 Oct: 4-11-22</u>
(During erection on board vessel - -)	
Total No. of visits	<u>7</u>

Drawing No. 5480/1.

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, to approved plans in accordance with the Society's Rules. Materials and workmanship are good. It is intended for Mr John Brown No 541 (Mr. Port Wyndham)

23/10/34

Survey Fee £ 4/4/- When applied for 19.....

Travelling Expenses (if any) £ : : : When received 19.....

MONTHLY ACCOUNT

H. Sutherland
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 23 OCT 1934

Assigned TRANSMIT TO LONDON

CD Pat
See Gls. Rpt. No. 55340.

TUE. 12 FEB. 1935
Lloyd's Register Foundation