

REPORT ON BOILERS.

No. 57520

-7 OCT 1936

Date of writing Report 26/9/36 When handed in at Local Office 3. 10. 36 Port of Glasgow
 No. in Survey held at Renfrew Date, First Survey 25 June 1936 Last Survey 10 Sept 36
 Reg. Book. 2 on the Thimble tube boilers for Cammel Laird No 1016. (Number of Visits ") Gross Tons " Net "
 Master " Built at Renfrew By whom built Babcock & Wilcox Ltd When built 1936
 Boilers made at Renfrew By whom made Babcock & Wilcox Ltd When made 1936
 Owners " Port belonging to "

VERTICAL DONKEY BOILER—No. 73/464374 Description Clarkson Thimble Tube Manufacturers of steel Colville & Co
 Made at Renfrew By whom made Babcock & Wilcox Ltd When made 1936 Where fixed ✓ Working pressure 100 lb
 tested by hydraulic pressure to 200 lb Date of test 3-9-36 No. of Certificate 19799 Fire grate area 19804 Description of safety valves 2-1/4 dia
 No. of safety valves 2 Area of each 2.4 sq ft Pressure to which they are adjusted 160 lb If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler X Diameter of donkey boiler 5'-11 1/2" Length 16'-9" Material of shell plates Steel Thickness 13/32"
 Range of tensile strength 28-32 Tons Description of riveting long. seams D.R.-D.B.S. Diameter of rivet holes 25/32" Whether punched or drilled drilled Pitch of rivets 2 7/8" Lap of plating ✓ Per centage of strength of joint 126.4 Working pressure of shell by rules 102 lb Thickness of shell crown plates 11/16" Radius of do. 5'-6" 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 13/16" Working pressure of Ogee ring by rules 350 lb Thickness of furnace crown plates " Radius of do. " Stayed by Int Diameter of uptake 1'-4 15/16" Thickness of uptake plates 17/32" Circular front 25/32" Int diam 3'-0" Mean pitch of stay tubes in nest ✓ Pitch in outer vertical rows ✓
 Diameter of tube holes FRONT 2 3/4" Working pressure of tube plates by rules Thimble Tubes: Material S.D. Steel
 External diameter 2 3/4" Thickness 9 gauge No. of threads per inch ✓ Pitch of tubes 6.417 H.P.
 Working pressure by rules 4 3/4 x 13/16" Manhole compensation; Size of opening in shell plate 16 1/4 x 12 1/4" Section of compensating ring 4 3/4 x 13/16" No. of rivets and diameter of rivet holes 40 - 13/16" Outer row pitch at ends 3.3"

Total heating surface = 3000 sq ft.

The foregoing is a correct description,

Babcock & Wilcox, Ltd. Manufacturer.

Dates of Survey while building { During progress of work in shops - 1936 June: 25. 29 July: 29 Aug: 3. 12. 17. 25 Sep: Drawing No. 3468
 { During erection on board vessel - 1. 3. 8. 10
 Total No. of visits 11 Is the approved plan of boiler forwarded herewith yes

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been built under Special Survey, to approved plans in accordance with the Society's Rules. Materials and workmanship are good. They are intended for M^{rs} Cammel Laird & Co Ltd No 1016.

3/10/36.
These boilers have been satisfactorily installed on board and examined under steam, & are eligible in my opinion for Classification in Register book with notation of 2DB 100 lb.

J. O. Milton

Survey Fee ... £ 12-12-0 When applied for 19
 Travelling Expenses (if any) £ : When received 19

Committee's Minute GLASGOW 6 - OCT 1936

Assigned TRANSMIT TO LONDON

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

FRI 30 APR 1937

WED 4 AUG 1937

TUE 24 AUG 1937

003875-003883-0212

Lloyd's Register Foundation