

REPORT ON BOILERS.

No. 59365

FEB -9 1938

MAY 21 1938

Date of writing Report 19 13 When handed in at Local Office 7. 2. 1938 Port of Glasgow
 No. in Survey held at Annan Date, First Survey 11. 11. 37 Last Survey 2. 2. 1938
 Reg. Book. on the BOILER No 13917 (Number of Visits 10) Tons } Gross
 Master Built at Hoboken By whom built Shantier Naval (N^o 657) When built 1938
 Boilers made at Annan By whom made Cochran & Co Annan L^d When made 1938
 Owners Port belonging to

VERTICAL DONKEY BOILER— No. one Description Vertical Manufacturers of steel Steel Co of Scotland L^d
 Made at - By whom made - When made - Where fixed - Working pressure 75 lbs.
 tested by hydraulic pressure to 150 Date of test 2-2-38 No. of Certificate 20095 Fire grate area 5.75 Description of safety valves Enclosed Spring
 No. of safety valves 2 Area of each 1.76 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 3'-3" Length 7'-6" Material of shell plates S Thickness 3/8"
 Range of tensile strength 28-32 Description of riveting long. seams VR lap Diameter of rivet holes 23/32 Whether punched or drilled - Pitch of rivets 2.28". 2.46". 2.3" Lap of plating 3 3/4" Per centage of strength of joint Rivets 73.9 Working pressure of shell by plates 68.5
 rules 169 Thickness of shell crown plates 15/32 Radius of do. 2'-11 1/8" No. of stays to do. - Diameter of stays - Diameter of furnace—Top 2'-7 1/8" Bottom 2'-9 1/2" Length of furnace 17 1/2" Thickness of furnace side plates 7/16" Description of joint electrically welded Working pressure of furnace by rules 180 Thickness of Ogee ring - Working pressure of Ogee ring by rules - Thickness of furnace crown plates 1/2" Radius of do. 17 1/2" Stayed by hemisphere Diameter of uptake 7 1/2" x 11 1/2" Thickness of uptake plates 1/16" Thickness of tube plates front 14/32 back 11/32 Mean pitch of stay tubes in nest 8.59" Pitch in outer vertical rows 8 1/2"
 Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules 144 Tubes: Material Iron
 External diameter stay 2 1/2" Thickness stay 11/32 No. of threads per inch 9 Pitch of tubes 4 1/4" x 3 13/16"
 Working pressure by rules 125 Manhole compensation; Size of opening in shell plate 14" x 10" Section of compensating ring 4" x 23/32 No. of rivets and diameter of rivet holes 32 @ 23/32 Outer row pitch at ends 3 1/2"

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

W. J. ...
 WORKS MANAGER

Dates of Survey while building { During progress of work in shops - - } 1937 Nov.: 11. 19. 30 Dec.: 10. 16. 30 (1938) Jan.: 6. 20. 25 Drawing No. E.35341
 { During erection on board vessel - - } Feb.: 2
 Total No. of visits 10 Is the approved plan of boiler forwarded herewith

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

W. J. ...
 5/2/38.

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

MONTHLY ACCOUNT

Committee's Minute GLASGOW 8-FEB 1938 1RH
 Assigned TRANSMIT TO LONDON

TUE 31 MAY 1938 Surveyor to Lloyd's Register of Shipping.

Schwan
 21938

Lloyd's Register Foundation

W167-0152