

REPORT ON BOILERS.

No. 53538

-7 JUN 1933

Date of writing Report 19... When handed in at Local Office 1.6.33 Port of Glasgow.
 No. in Survey held at Annan. Date, First Survey 3/5/33 Last Survey 26/5/1933
 Reg. Book. on the Boilers No 12464 for S/S "Petworth" (Number of Visits) Tons {Gross 941.85 Net 518.39
 Master J.M. Built at Burntisland By whom built Burntisland S. B Co Ltd When built 1934
 Boilers made at Annan By whom made Cochran & Co Annan Ltd When made 1933
 Owners Port belonging to

VERTICAL DONKEY BOILER No. *one* Description *Vert. Mult.* Manufacturers of steel *Steel Works of Scotland*
 Made at *Annan* By whom made *Cochran & Co* When made *1933* Where fixed Working pressure *100*
 tested by hydraulic pressure to *200* Date of test *26/5/33* No. of Certificate *19233* Fire grate area *147* Description of safety valves *Enclosed Spring Loaded*
 No. of safety valves *2* Area of each *3.14* Pressure to which they are adjusted *100 lbs* If fitted with easing gear *yes* If steam from main boilers can enter the donkey boiler *No* Diameter of donkey boiler *5'-3"* Length *11'-9"* Material of shell plates *Steel* Thickness *1/2" & 3/8"*
 Range of tensile strength *28 to 32 tons* Description of riveting long. seams *Lap Jt.* Diameter of rivet holes *25"* Whether punched or drilled *Drilled* Pitch of rivets *2.59, 2.59, 2.575* Lap of plating *3/8"* Percentage of strength of joint Rivets *72.4* Working pressure of shell by rules *117* Thickness of shell crown plates *3/8" & 1/2"* 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 plates *1/2"* Description of joint *none* Working pressure of furnace by rules *153* Thickness of Ogee ring *1/2"* Working pressure of Ogee ring by rules *103 lbs* Thickness of furnace crown plates *1/2"* Radius of do. *2'-3"* Stayed by *Hemispherical* Diameter of uptake *13" x 19 1/2"* Thickness of uptake plates *1/2"* Thickness of tube plates front *1/8"* Mean pitch of stay tubes in nest *10.7"* Pitch in outer vertical rows *8"*
 Diameter of tube holes FRONT stay *2 1/8"* BACK stay *2 1/2"* Working pressure of tube plates by rules *F105 B110* Tubes: Material *LW IRON*
 External diameter stay *2 1/2"* Thickness stay *3/8"* No. of threads per inch *9* Pitch of tubes *3 1/8" x 4"*
 Working pressure by rules *125 lbs* Manhole compensation: Size of opening in shell plate *16" x 12"* Section of compensating ring *6" x 5 1/8"* No. of rivets and diameter of rivet holes *36 @ 2 1/2"* Outer row pitch at ends *3 1/8"*

FOR COCHRAN & CO., ANNAN, LTD.
 The foregoing is a correct description,
 E.A. Rex. Manufacturer.
 GENERAL WORKS MANAGER.

250 of HS

Dates of Survey while building: During progress of work in shops - 1933. Mar 3-10. 31. Apr 7-13. 28. May 26.
 During erection on board vessel -
 Total No. of visits 7.
 Drawing No. 19708
 Is the approved plan of boiler forwarded herewith *yes*.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) *The materials & workmanship are good. The boiler has been constructed under special survey to the order of Messrs David Rowan & Co for their contract No 960*
Burntisland Yard No 179.

This boiler has been efficiently fitted on board examined under steam & safety valves adjusted 100 lbs. Thicknesses of washers for 7/16 aft 1/4"
 E.A.R.

(The Surveyors are requested not to write on or below the space for Committee's Minute.)

Survey Fee ... £ *4-4-0* When applied for 19...
 Travelling Expenses (if any) £ : : When received 19...

MONTHLY ACCOUNT

Committee's Minute **GLASGOW 6 JUN 1933**
 Assigned **TRANSMIT TO LONDON**

Engineer Surveyor to Lloyd's Register of Shipping.
FRL 7 SEP 1934
 See Lth. Rpt. 78 18682
 Lloyd's Register Foundation

012446 - 012459 - 0309