

REPORT ON BOILERS.

No. 54289

14 MAR 1934

Date of writing Report 8-3-34 When handed in at Local Office 12-3-34 Received at London Office 12-3-34 Port of Glasgow

No. in Survey held at Annan Date, First Survey 10-11-33 Last Survey 7-2-1934

Reg. Book. on the (Number of Visits 16) Gross Tons Net Tons

Master [Signature] Built at [Signature] By whom built [Signature] When built [Signature]

Boilers made at [Signature] By whom made [Signature] When made [Signature]

Owners [Signature] Port belonging to [Signature]

VERTICAL DONKEY BOILER— No. 12609 Description Cochran Manufacturers of steel S. C. of S. land

Made at Annan By whom made Cochran & Co. Annan When made 1934 Where fixed H.S. = 300 Working pressure 120

tested by hydraulic pressure to 230 Date of test 7-3-34 No. of Certificate 19344 Fire grate area [Signature] Description of safety valves [Signature]

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

Diameter of donkey boiler 5'-6" Length 14'-0" Material of shell plates 8 Thickness 15/32", 17/32"

Range of tensile strength 28-32 Description of riveting long. seams D.R.L. Diameter of rivet holes 27/32" Whether punched or drilled drilled Pitch of rivets 2.687", 2.725" Lap of plating 4 1/4" Per centage of strength of joint 70.5 Rivets 68.6 Working pressure of shell by rules 130.8 Thickness of shell crown plates 7/16"-3/4" Radius of do. 2'-9" No. of stays to do. none Diameter of stays [Signature] Diameter of furnace—Top Turnisphure Bottom [Signature] Length of furnace 2'-6 3/8" Thickness of furnace side plates 1/2" Description of joint none Working pressure of furnace by rules 144.8 Thickness of Ogee ring 3/4" Working pressure of Ogee ring by rules 124.7 Thickness of furnace crown plates 1/2" Radius of do. 2'-4 1/2" Stayed by Turnisphure Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 1/2" Thickness of tube plates 2 1/16" Mean pitch of stay tubes in nest 10.5" Pitch in outer vertical rows 8"

Diameter of tube holes FRONT 2 1/16" BACK 2 1/2" Working pressure of tube plates by rules F124.8.8/31.8 Tubes: Material Iron

External diameter 2 1/2" Thickness 1 1/32" No. of threads per inch 9 Pitch of tubes 4" x 3 1/2"

Working pressure by rules 125 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 6" x 1 1/16" No. of rivets and diameter of rivet holes 36-27/32" Outer row pitch at ends 3 5/8"

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

Dates of Survey while building: During progress of work in shops— 1933 Nov-10-17 Dec-1-8-12-20 Drawing No. 19940 A

During erection on board vessel— 1934 Jan-5-12-19-25 Feb-2-8-16-20-28 Mar-7

Total No. of visits 16 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 in accordance with the approved plan, and the Society's Rules and requirements, the materials and workmanship are good.

The boiler is to the order of Nederlandse Scheeps Treg's Zand No 229.

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

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

Committee's Minute GLASGOW 13 MAR 1934

Assigned TRANSMIT TO LONDON

TUE. 15 JAN. 1935

Lloyd's Register Foundation

W182-0012