

REPORT ON BOILERS.

No. 54289
14 MAR 1934

Date of writing Report 8-3- 1934 When handed in at Local Office 12.3 1934 Received at London Office
 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) Tons { Gross
 Master [Signature] Built at By whom built When built
 Boilers made at By whom made When made
 Owners Port belonging to

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 Working pressure 120
 tested by hydraulic pressure to 230 Date of test 7-3-34 No. of Certificate 19344 Fire grate area H.S. = 300 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
 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 J.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 Rivets 70.5 Working pressure of shell by rules 130.8 Thickness of shell crown plates 3/16"-3/4" Radius of do. 2'-9" No. of stays to do. none Diameter of stays Diameter of furnace—Top Turnisphure Bottom 1 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 front 27/32" Mean pitch of stay tubes in nest 10.5" Pitch in outer vertical rows 8" back 1 1/16"
 Diameter of tube holes FRONT stay 2 1/16" BACK stay 2 1/2" Working pressure of tube plates by rules F124.8, B131.8 Tubes: Material Iron
 External diameter stay 2 1/2" Thickness stay 11/32" No. of threads per inch 9 Pitch of tubes 4" x 3 1/2" plain 2 9/16" plain 2 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,
 J. 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 Federlandsche Scheeps Trog's Yard No 229.

9/3/34
 Survey Fee £ 4 : 4 : - When applied for 19.....
 Travelling Expenses (if any) £ : : When received 19.....

MONTHLY ACCOUNT

Jas. Cairns
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 13 MAR 1934
 Assigned TRANSMIT TO LONDON

TUE. 15 JAN. 1935
 Lloyd's Register Foundation
 W182-0012

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