

REPORT ON BOILERS.

No. 54957
30 JAN 1935

Date of writing Report 13-9-34 When handed in at Local Office 15-9-34 Port of Glasgow
 Received at London Office 19 SEP 1934
 No. in Survey held at Annan Date, First Survey 26-7-34 Last Survey 11-9-1934
 Reg. Book. Boiler No 12846 Port Wynndham (Number of Visits 10) Gross 8580
 Master Annand Built at Clydebank By whom built John Brown & Co Ltd When built 1935 Tons Net 5233
 Boilers made at Renfrew By whom made Babcock & Wilcox Ltd When made 1935
 Owners Commonwealth & Dominion Line Ltd Port belonging to London

VERTICAL DONKEY BOILER— No. 1 Description Cochran Manufacturers of steel Steel Co of Scotland
 Made at Annan By whom made Cochran & Co Annan When made 1934 Where fixed _____ Working pressure 100
 tested by hydraulic pressure to 200 Date of test 11-9-34 No. of Certificate 9445 Fire grate area 22-5 sq ft Description of safety valves Spring loaded
 No. of safety valves 2 Area of each 4-9 sq ft 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 6'-6" Length 14'-9" Material of shell plates S Thickness 19/32, 15/32
 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, 2-663, 2-704 Lap of plating 4 1/4" Per centage of strength of joint Rivets 72-4 Working pressure of shell by Plates 68-2
 rules 110 Thickness of shell crown plates 1/16" Radius of do. 6'-6" No. of stays to do. none Diameter of stays _____ Diameter of furnace—Top Turnip Bottom 5'-6" Length of furnace 2'-10 1/4" Thickness of furnace side plates 1/2" Description of joint Seamless Working pressure of furnace by rules 125 Thickness of Ogee ring 27/32" Working pressure of Ogee ring by rules 101-1 Thickness of furnace crown plates 1/2" Radius of do. 2'-9" Stayed by Turnip Diameter of uptake 15" x 23" Thickness of uptake plates 9/16" Thickness of tube plates front 13/16" back 23/32" Mean pitch of stay tubes in nest 12-74" Pitch in outer vertical rows 8-88"
 Diameter of tube holes FRONT stay 2 1/16" plain 2 1/16" BACK stay 2 1/2" plain 2 1/2" Working pressure of tube plates by rules 126 B.T.P. Tubes: Material Iron
 External diameter stay 2 1/2" Thickness stay 1 1/32" plain 1 1/32" No. of threads per inch 9 Pitch of tubes 4 7/16" x 3 9/16"
 Working pressure by rules 125 Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 6" x 3/4" No. of rivets and diameter of rivet holes 36 - 27/32" Outer row pitch at ends 3-64"

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

Dates of Survey while building: During progress of work in shops - 1934 July: 26-31 Aug: 9-17, 23-24, 27-31 Sep: 6-11 Drawing No. 20314A
 During erection on board vessel - - -
 Total No. of visits 10 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.

15/9/34

The boiler is intended for John Brown & Co Ltd Yard No 541.

Survey Fee ... £ 4 : 4 : 7 When applied for 19.....
 Travelling Expenses (if any) £ : : } When received 19.....

MONTHLY ACCOUNT

Engineer Surveyor to Lloyd's Register of Shipping.
 TUE. 12 FEB 1935

Committee's Minute GLASGOW 17 SEP 1934
 Assigned TRANSMIT TO LONDON

See Gen. Rpt. No. 55340

Lloyd's Register Foundation