

# REPORT ON BOILERS.

No. 54908

-5 SEP 1934

Date of writing Report 20-8-34 When handed in at Local Office 30-8-34 Port of Glasgow  
 No. in Survey held at Annan Date, First Survey 24-5-34 Last Survey 17-8-34  
 Reg. Book. Boiler No 12752. (Number of Visits 14) Gross Tons      Net Tons       
 on the       
 Master      Built at      By whom built      When built       
 Boilers made at      By whom made      When made       
 Owners      Port belonging to     

VERTICAL DONKEY BOILER— No. 12752 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 125  
 tested by hydraulic pressure to 236 Date of test 17-8-34 No. of Certificate 19425 Fire grate area      Description of safety valves       
 No. of safety valves 2 Area of each      Pressure to which they are adjusted      If fitted with easing gear      If steam from main boilers can enter the donkey boiler       
 Range of tensile strength 28-32 Description of riveting long. seams J.R.L. Diameter of rivet holes 3 1/32" Whether punched or drilled drilled Pitch of rivets 2.96" 2.86" 2.14" Lap of plating 4 3/4" Per centage of strength of joint 67.7 Working pressure of shell by rules 135.2 Thickness of shell crown plates 1" - 1 1/32" Radius of do. 3'-6" No. of stays to do. from Diameter of stays      Diameter of furnace—Top hemispherical Bottom 6'-0" Length of furnace      Thickness of furnace side plates 2 1/32" Description of joint Seamless Working pressure of furnace by rules 152.8 Thickness of Ogee ring 1" Working pressure of Ogee ring by rules 133.3 Thickness of furnace crown plates 2 1/32" Radius of do. 3'-0" Stayed by hemisphere Diameter of uptake 15" x 22" Thickness of uptake plates 9/16" Thickness of tube plates front 1 1/8" back 1 1/8" Mean pitch of stay tubes in nest 8.25" Waste heat Pitch in outer vertical rows 6 1/2" x 4.68"  
 Diameter of tube holes FRONT stay 1 1/2" BACK stay 1 1/2" Working pressure of tube plates by rules      Tubes: Material Steel  
 External diameter stay 1 1/2" plain 1 1/2" Thickness stay 1 1/32" plain 1 1/32" No. of threads per inch 9 Pitch of tubes 3.08 x 3.25" Oil fired  
 Working pressure by rules 124.5 T.P., 129.8 T.P. Manhole compensation: Size of opening in shell plate 16" x 12" Section of compensating ring 2'-4" dia. x 3/8" No. of rivets and diameter of rivet holes 36 - 3 1/32" Outer row pitch at ends 3.9"

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

W. A. R. A. Manufacturer.

Dates of Survey while building { During progress of work in shops - 1934 May: 24, 29 June 5, 8, 14, 21, 28 July: 5, 10, 12, 26, 31 Drawing No. E 31529.  
 { During erection on board vessel - Aug: 9, 17  
 Total No. of visits 14 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 Aktie Hakskov Skibsværft

30/8/34

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

MONTHLY ACCOUNT

Committee's Minute GLASGOW 4 SEP 1934  
 Assigned TRANSMIT TO LONDON

Jas. Cairns  
 Engineer Surveyor to Lloyd's Register of Shipping.  
TUE 4 DEC 1934  
See 6 p.m. 2.6.  
9481

Lloyd's Register Foundation