

# REPORT ON BOILERS.

No. 38640.

Date of writing Report 18<sup>th</sup> April 1919 When handed in at Local Office Amman Port of Glasgow  
 No. in Survey held at Amman Date, First Survey 22<sup>nd</sup> Nov. 1918 Last Survey 17<sup>th</sup> April 1919  
 Reg. Book. Doukey Boiler No 7972. S. S. Backworth. (Number of Visits 9) Gross 2481.39  
 on the Doukey Boiler No 7972. S. S. Backworth. Tons Net 1441.97  
 Master Port Glasgow Built at Port Glasgow By whom built Dunlop Breunor & Co When built 1919  
 Boilers made at Amman By whom made Cochran & Co. Amman Ltd When made 1919  
 Owners The Robert Stanley Shipping Co Ltd Port belonging to Merchants on Tyne

**VERTICAL DONKEY BOILER** No. 7972 Description Cochran Manufacturers of steel Glasgow Iron & Steel Co.  
 Made at Amman By whom made Cochran & Co. When made 1919 Where fixed Stockholm Working pressure 100  
 Tested by hydraulic pressure to 200 Date of test 17/4/19 No. of Certificate 4684 Fire grate area 315 Description of safety valves Spring loaded  
 No. of safety valves 2 Area of each 7.06 Pressure to which they are adjusted 105 1/2 If fitted with easing gear yes If steam from main boilers can  
 enter the donkey boiler no Dia. of donkey boiler 7'-6" Length 16'-3" Material of shell plates Steel Thickness 9/16" Range of tensile 2625 lbs  
 Length 28 1/2 Descrip. of riveting long. seams Lap S. R Dia. of rivet holes 29/32 Whether punched or drilled drilled Pitch of rivets 2.82"  
 Up of plating 4 1/2 Per centage of strength of joint 69 Rivets 69 Working pressure of shell by rules 103 Thickness of shell crown plates 29/32"  
 Radius of do. 3'-9" No. of Stays to do. none Dia. of stays ✓ Diameter of furnace Top Radius Bottom 6'-6" Length of furnace 50 3/4 ins  
 Thickness of furnace plates 9/16" Description of joint ✓ Working pressure of furnace by rules 100 Thickness of furnace crown  
 plates 9/16" Radius of do. 39 ins Stayed by Hemisphere Diameter of uptake 18 3/4 x 28 1/2 Thickness of uptake plates 9/16"  
 Thickness of water tubes Plato  
Front 15/16  
Back 29/32

The foregoing is a correct description.  
 For COCHRAN & CO., AMMAN, LIMITED  
 H.C. Woodham Manufacturer.

Dates During progress of work in shops - 1918 Nov. 22 Dec 6 13 19 (1919) Jan. 10 17 24 Apr 11 17.  
 Survey while building During erection on board vessel - - -  
 Total No. of visits 9 Drawing No 11165  
 Is the approved plan of boiler forwarded herewith Yes

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.)  
The boiler has been built under special survey.  
The workmanship and materials are good.  
The boiler has been efficiently fitted into the vessel.

Survey request form  
 No 61544 attached

Survey Fee £ 2 : 2 : - When applied for, 19  
 Travelling Expenses (if any) £ : : - When received, 19

Committee's Minute GLASGOW 23 APR 1919  
 Assigned TRANSMIT TO LONDON  
 See Ex. Rpt. 17505  
 005187-005193-0494  
 Lloyd's Register Foundation