

# REPORT ON BOILERS.

No. 40356

Writing Report 13<sup>th</sup> Sept 1920 When handed in at Local Office 13. 9. 1920 Port of Glasgow.  
 Survey held at Annan Date, First Survey 13th August Last Survey 10th Sept 1920  
 on the Donkey Boiler No 8457. SS. "HITHERWOOD". (Number of Visits 5.)  
 Built at Annan By whom built Cochran & Co. Annan Ltd When built 1920  
 made at C.A. Stewart & Co. By whom made Cochran & Co. Annan Ltd When made 1920  
 Port belonging to London.

**GENERAL DONKEY BOILER**— No. 8457 Description Cochran Manufacturers of steel & Colville & Sons  
 Annan By whom made Cochran & Co. When made 1920 Where fixed Stockholm Working pressure 100  
 hydraulic pressure to 200 Date of test 10/9/20 No. of Certificate 15471 Fire grate area 22 1/2 ft<sup>2</sup> Description of safety valves spring loaded.  
 safety valves 2. Area of each 4.9 Pressure to which they are adjusted 100 lbs If fitted with easing gear yes. If steam from main boilers can  
 donkey boiler no. Dia. of donkey boiler 6'-6" Length 14'-0" Material of shell plates Steel Thickness 1/2" Range of tensile  
 28/32 Descrip. of riveting long. seams S.R. Lap. Dia. of rivet holes 27/32 Whether punched or drilled drilled Pitch of rivets 2 1/2"  
 plating 1/8 Per centage of strength of joint Rivets 66.6 Plates 68.5 Working pressure of shell by rules 105 Thickness of shell crown plates 7/16  
 of do. 39 1/2 No. of Stays to do. Dia. of stays Diameter of furnace Top Radius Bottom 66 1/2 Length of furnace 43 1/2  
 ss of furnace plates 1/2 Description of joint Riveted Ring Working pressure of furnace by rules 100 Thickness of furnace crown  
 1/2 Radius of do. 33 inches Stayed by Hemisphere Diameter of uptake 15" x 23" Thickness of uptake plates 7/16  
 of tubes plates 7/16  
 B. 13/32.

The foregoing is a correct description,  
 For COCHRAN & CO., ANNAN, LIMITED Manufacturer.

During progress of work in shops - 1920 Aug 13. 20. 27 Sep 3. 10.  
 During erection on board vessel -  
 Total No. of visits 5.

Drawing No 11644.

Is the approved plan of boiler forwarded herewith

## GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This boiler has been built under special survey.  
 The workmanship and materials are good.

This boiler has been fitted in the Stockholm of the vessel  
 & satisfactorily staged, its safety valves were adjusted  
 to 100 lbs. when the boiler was tight & satisfactory.

J. G. Mackillop.

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

Committee's Minute GLASGOW 14 SEP 1920  
 signed TRANSMIT TO LONDON

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.  
 TUE NOV. 21 1922

FRI. 8 JUN. 1923

Lloyd's Register Foundation

003181-003190-0203