

## REPORT ON BOILERS.

No. 40310

WED. SEP. 1 1920

Date of writing Report 30 Aug 1920 When handed in at Local Office 30 Aug 1920 Port of Glasgow  
 No. in Survey held at Annan Date, First Survey 18th Apr 1920 Last Survey 27 Aug 1920  
 Reg. Book. Donkey Boiler No 8357 M.S. "Linnell" (Number of Visits 16)  
 Gross 7424  
 Net 4494  
 Tons  
 Built at Annan By whom built Harland & Wolff When built 1920  
 Boilers made at Annan By whom made Cochran & Co. Annan Ltd When made 1920  
 Owners Lampert & Holt Port belonging to Liverpool

**VERTICAL DONKEY BOILER** No. 8357 Description Cochran Manufacturers of steel Steel Co of Scotland  
 Made at Annan By whom made Cochran & Co When made 1920 Where fixed Engine Room Working pressure 100  
 Tested by hydraulic pressure to 200 Date of test 27/8/20 No. of Certificate 15455 Fire grate area 16.75 sq ft Description of safety valves Two Spring Loaded  
 No. of safety valves Two Area of each 4.9 sq ft Pressure to which they are adjusted 100 If fitted with easing gear Yes If steam from main boilers can  
 enter the donkey boiler Yes Dia. of donkey boiler 5'-6" Length 14'-0" Material of shell plates Steel Thickness 7/16" Range of tensile  
 length 28' 3/4" Descrip. of riveting long. seams Lap & R. Dia. of rivet holes 5/32" Whether punched or drilled Drilled Pitch of rivets 2.5 in.  
 Up of plating 3 7/8 Per centage of strength of joint 69 Rivets 69 Working pressure of shell by rules 106 Thickness of shell crown plates 13/32"  
 Radius of do. 33 1/2 in. No. of Stays to do. ✓ Dia. of stays ✓ Diameter of furnace Top Radius Bottom 57 1/2 in. Length of furnace 39 3/4 in.  
 Thickness of furnace plates 1/2" Description of joint Butt & Long Working pressure of furnace by rules 100 Thickness of furnace crown  
 plates 1/2" Radius of do. 28 1/2 in. Stayed by Hemisphere Diameter of uptake 13" x 19 1/2" Thickness of uptake plates 1/2"  
 Thickness of water tube plates 7/16" B. 7/16"  
 The foregoing is a correct description,  
 For COCHRAN & CO., ANNAN, LIMITED Manufacturer.  
E. W. W. W.

Dates { During progress of work in shops - { 1920: Apr 1, 9, 16, 23, 30 May 7, 14, 21, 28 Jun 4, 11 July 30 Aug 6, 13, 20, 27  
 Survey { During erection on board vessel - - {  
 while building {  
 Total No. of visits 16

Drawing No 11541

Is the approved plan of boiler forwarded herewith Yes.

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

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

This boiler has been fitted on board in an efficient, tried under steam and found satisfactory.

Survey Request Form

91732

attached

Survey Fee ... £ 2 : 2 : } When applied for, ... 10  
 Travelling Expenses (if any) £ : : } When received, ... 10

Peter W. G. &amp; J. H. S. L. L.

Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

GLASGOW

31 AUG 1920

GLASGOW

10 JAN 1922

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Assigned

TRANSMIT TO LONDON

See Ser. Rpt 41636

Lloyd's Register  
Foundation