

## REPORT ON BOILERS.

No. 38287.

Received at London Office WED. - 6 NOV 1918

Port of Glasgow

No. in Survey held at Annan Date, First Survey 23/8/18 Last Survey 1<sup>st</sup> Nov. 1918

on the Donkey Boiler No 7911 for Standard Vessel A. Type. (Number of Visits 8) Gross Tons Net

Built at Chepstow By whom built W Finch & Co. When built 1918

Boilers made at Annan By whom made Cochran & Co., Annan, Ltd. When made 1918

Port belonging to

**VERTICAL DONKEY BOILER**— No. 7911 Description Cochran Manufacturers of steel The Glasgow Iron Steel Co

Made at Annan By whom made Cochran & Co When made 1918 Where fixed In High Arch Working pressure 100

Tested by hydraulic pressure to 200 Date of test 1/11/18 No. of Certificate 14508 Fire grate area 3 1/2 sq ft Description of safety valves ✓

No. of safety valves 2 Area of each 3 1/2" Pressure to which they are adjusted 100 lb If fitted with easing gear ✓ If steam from main boilers can enter the donkey boiler ✓

Dia. of donkey boiler 7' 6" Length 16' 3" Material of shell plates Steel Thickness 3/32 & 1/16" Range of tensile 28,200

Length 28 1/2' Descrip. of riveting long. seams S. R. Lap Dia. of rivet holes 29/32" Whether punched or drilled drilled Pitch of rivets 2 1/2"

Top of plating 4 1/2" Per centage of strength of joint ✓ Rivets 69 Working pressure of shell by rules 103 Thickness of shell crown plates 1/2 & 29/32"

Radius of do. 45" No. of Stays to do. 4 Dia. of stays ✓ Diameter of furnace Top Radius Bottom 78" Length of furnace 50 3/4'

Thickness of furnace plates 9/16 & 29/32" Description of joint ✓ Working pressure of furnace by rules 100 Thickness of furnace crown plates 9/16"

Stays 9/16" Radius of do. 39" Stayed by Hemisphere Diameter of uptake 18 1/4" x 28 1/2" Thickness of uptake plates 9/16"

Thickness of water tubes Plates

Front 15/16"

Back 25/32"

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

Dates During progress of work in shops - 1918. Aug 23-30. Sept 6-13. Oct 4-18. 28 Nov 1.

Survey while building During erection on board vessel - - -

Total No. of visits 8

Drawing No 11165

Is the approved plan of boiler forwarded herewith Yes.

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

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

This boiler has now been fitted on the 45" War Apple  
examined under steam and safety valves adjusted to 100 lbs per sq"

Survey request form

No. C1547 attached

John D. A. Connors  
Wpt. Wm

3/11/19

Survey Fee ... £ ✓ : When applied for, ..... 19.....

Travelling Expenses (if any) £ : : When received, ..... 19.....

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

Committee's Minute GLASGOW 5 NOV 1918

Assigned TRANSMIT TO LONDON

FRI. NOV. 7 1919