

# REPORT ON BOILERS.

No. 40329

WED SEP. 18 1920

Date of writing Report 4/9/20 When handed in at Local Office 4.9.20 Port of Glasgow  
 Received at London Office  
 No. in Survey held at Annan Date, First Survey 2nd July Last Survey 3rd Sept 1920  
 Reg. Book. on the Donkey Boiler No. 8479 for M.V. "Seminole" (Number of Visits 8)  
 Master Barrow Built at Barrow By whom built Vickers Ltd No. 10579 When built 1920  
 Boilers made at Annan By whom made Cochran & Coy Annan Ltd When made 1920  
 Owners Anglo American Oil Co. Ltd Port belonging to Barrow

**VERTICAL DONKEY BOILER**— No. 8479 Description Cochran Manufacturers of steel Colville & Sons  
 Made at Annan By whom made Cochran & Co When made 1920 Where fixed For End of E.R. Working pressure 120  
 Tested by hydraulic pressure to 240 Date of test 3/9/20 No. of Certificate 5460 Fire grate area 26.75 Description of safety valves Double Spring loaded  
 No. of safety valves 2 Area of each 7.07 Pressure to which they are adjusted 123 lbs If fitted with easing gear yes If steam from main boilers can enter the donkey boiler No  
 Dia. of donkey boiler 7'-0" Length 16'-6" Material of shell plates Steel Thickness 19/32" Range of tensile strength 28/32 Descrip. of riveting long. seams Lap. D-R Dia. of rivet holes 3/32" Whether punched or drilled drilled Pitch of rivets 2.96  
 Gap of plating 4/32 Per centage of strength of joint Rivets 69 Working pressure of shell by rules 122 Thickness of shell crown plates 3/32" Radius of do. 47 No. of Stays to do. ✓ Dia. of stays ✓ Diameter of furnace Top Radius 72 Bottom 72 Length of furnace 48 1/2  
 Thickness of furnace plates 7/8" Description of joint Riveted long Working pressure of furnace by rules 125 Thickness of furnace crown plates 5/8" Radius of do. 36 Stayed by Hemisphere Diameter of uptake 16" x 23" Thickness of uptake plates 7/16"  
 Thickness of ~~water~~ tube plates F 1 1/32" B. 7/8"

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

Dates { During progress of work in shops - - } 1920 - July 2, 9, 30 Aug 6, 13, 20, 27 Sep 3  
 { During erection on board vessel - - }  
 while {  
 during {  
 Total No. of visits 8

Drawing No. 11989

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.

Recd  
16/9/20

C1760 attached

This boiler has now been efficiently fitted on board & its safety valves have been adjusted under steam to 123 lbs, the thicknesses of the adjusting washers being 2 3/32" F + 2 1/32" A. It is fitted for oil fuel, flash point above 150° Fahr.

John Houston.  
Barrow-in-Furness.  
21st May 1921.

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

*W. M. Chegor.*  
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute GLASGOW 7-SEP 1920  
 Assigned TRANSMIT TO LONDON

TUE. MAY. 31 1921



W488-060