

-8 SEP 1925

pt. 5b.

# REPORT ON BOILERS.

No. 44110

29 OCT 1924

Received at London Office

Date of writing Report 23-10-24 When handed in at Local Office 27.10.24 Port of Glasgow  
No. in Survey held at Annan Date, First Survey and Last Survey 17-10-1924  
Reg. Book. Motor ship "Manley" (Number of Visits 1) Gross Tons  
on the Cochran Boiler No 9288 for Fiat Stabilimento Grandi Motori, Torino, Italy Net Tons  
Master Built at Monfalcone By whom built Cant. Novati Triestina When built 1925  
Boilers made at By whom made When made  
Owners Carabick for Triest. Navigation Port belonging to Trieste

**VERTICAL DONKEY BOILER**— No. One Description Cochran Type Manufacturers of steel D. Colville & Sons Ltd.  
Made at Annan By whom made Cochran & Co. Annan Ltd When made 1924 Where fixed in Guy Roon Working pressure 100 lbs  
tested by hydraulic pressure to 200 lbs Date of test 17-10-24 No. of Certificate 16631 Fire grate area 5.75 sq ft Description of safety valves direct spring  
No. of safety valves 2 Area of each 1.78" Pressure to which they are adjusted 100 lbs If fitted with easing gear yes If steam from main boilers can  
enter the donkey boiler no Dia. of donkey boiler 3'-3" Length 9'-0" Material of shell plates steel Thickness 3/8" Range of tensile  
strength 28/32 Descrip. of riveting long. seams Double riveted Dia. of rivet holes 23/32 Whether punched or drilled drilled Pitch of rivets 2 7/16"  
Cap of plating 2 1/4" Per centage of strength of joint Rivets 73.5% Working pressure of shell by rules 171.5 lbs Thickness of shell crown plates 1 5/32"  
Radius of do. 2'-11 1/8" No. of stays to do. none Dia. of stays Diameter of furnace Top 2'-7" Bottom 2'-9 1/2" Length of furnace 2'-8 5/8"  
Thickness of furnace plates 1 1/2" Description of joint Single Riveted Cap Working pressure of furnace by rules 159 lbs Thickness of furnace crown  
plates 1 1/2" Radius of do. 17.5" Stayed by hemisphere Diameter of uptake 7 1/2" x 11 1/2" Thickness of uptake plates 7/16"  
Thickness of water tubes plates { Front 1/2" Back 1/2"

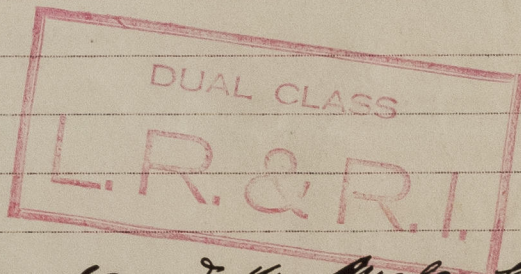
The foregoing is a correct description,  
For COCHRAN & CO., ANNAN, LIMITED Manufacturer.  
Thomas Valley

Dates of Survey { During progress of work in shops - 1924 Oct 17  
while building { During erection on board vessel - - -  
Total No. of visits 1  
Is the approved plan of boiler forwarded herewith yes.

Drawing No 14054.

**GENERAL REMARKS** (State quality of workmanship, opinions as to class, &c.) This boiler which has not been built under special survey has been examined throughout and the scantlings checked and found in accordance with the approved plan; the materials have been tested by the Society's Surveyors and the marks on the plates verified; the boiler has been tested by hydraulic pressure to 200 lbs/sq. inch with satisfactory results; workmanship good.  
This boiler is to the order of Messrs Fiat Stabilimento Grandi Motori, Torino, Italy for Motor Vessel No. 137.

Annual Survey Request.



This Donkey Boiler has been fitted on board the Motor Ship "Manley" (Yard No 137 CNT) and fitted for oil fuel (flash point above 150° F) It has been examined under pressure and found in order.

Refugation

Survey Fee ... £ 4 : 4 : } When applied for 19  
Travelling Expenses (if any) £ : : } When received 19

FRI. 4 JUN 1921

Committee's Minute

Assigned

GLASGOW 28 OCT 1924

TRANSMIT TO LONDON

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

FRI. 11 SEP 1925

Sec. Jui

Lloyd's Register Foundation

007722-007730-0294