

original lost at Bilbao, attached 28 APR 1926

Bilbao 6865

Rpt. 5b.

# REPORT ON BOILERS.

No. 40903

Date of writing Report 26<sup>th</sup> Feby 1921 When handed in at Local Office 26-2-1921 Port of Glasgow Received at London Office

No. in Survey held at Annan Date, First Survey 7<sup>th</sup> Jan'y, 1921 Last Survey 25<sup>th</sup> Feby, 1921

Reg. Book. Donkey Boiler No 8720 55 (ABO) RAZO (Number of Visits 8) Gross Tons } Net

Master Bilbas Built at Bilbas By whom built Cia Euzalduna When built 1926

Boilers made at Annan By whom made Cochrane & Co. Annan Ltd. When made 1920

Owners Ibarra & Co. Port belonging to Seville

**VERTICAL DONKEY BOILER** - No. 8720 Description cochrane Manufacturers of steel David Colville & Sons

Made at Annan By whom made cochrane & co. When made 1921 Where fixed  Working pressure 100

tested by hydraulic pressure to 200 Date of test 25/2/21 No. of Certificate 15715 Fire grate area 31.5 sq ft Description of safety valves Spring loaded

No. of safety valves 2 Area of each 1.77 Pressure to which they are adjusted 100 lb If fitted with easing gear Yes If steam from main boilers can enter the donkey boiler No

Dia. of donkey boiler 7'-6" Length 16'-3" Material of shell plates Steel Thickness 9/16 21/32" Range of tensile strength 28/32 Descrip. of riveting long. seams Lap DR Dia. of rivet holes 29/32" Whether punched or drilled drilled Pitch of rivets 2.88

Lap 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 29/32 1/2" Plates 65

Radius of do. 45 ins No. of Stays to do. none Dia. of stays  Diameter of furnace Top radius 78 ins Bottom 78 ins Length of furnace 50 3/4 ins

Thickness of furnace plates 9/16 29/32 Description of joint Riveted long Working pressure of furnace by rules 100 Thickness of furnace crown plates 9/16" Radius of do. 39 inches Stayed by Semisphere Diameter of uptake 2 1/2 x 25" Thickness of uptake plates 7/16

Thickness of water tube plates Front 7/16 Back 7/16"

The foregoing is a correct description.  
(Signed) Jot Cochrane & Co. Annan Ltd Manufacturer.  
J. Walley

Dates of Survey while building { During progress of work in shops - 1921 Jan 7  
During erection on board vessel - See Machinery report  
Total No. of visits 8

Drawing No 11452

Is the approved plan of boiler forwarded herewith yes

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

This boiler has been built under special survey  
The materials and workmanship are good.  
The boiler is to the order of Societade Construcccion Naval  
Bilbao ship No 20  
This boiler has now been fitted on board securely and in accordance with the Rules, the materials and workmanship are good and in my opinion the vessel is eligible to be classed with the notation of MC 3-26.  
Safety valves adjusted under steam to 100 lb per sq. in.

Survey Fee ... .. £ 4 : 4 : - When applied for, Monthly  
Travelling Expenses (if any) £ : : } When received, Account

P. J. Thomas Miller  
(Signed) Peter J. Thomas Miller  
Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute TUES. 4 MAY 1921  
Assigned See Billo 6865 attached

