

REPORT ON BOILERS.

No. 40903.

Date of writing Report *26th Feby 1921* When handed in at Local Office *26-2-1921* Port of *Glasgow*
 No. in Survey held at *Annan* Date, First Survey *7th Jan'y, 1921* Last Survey *25th Feby, 1921*
 Reg. Book. *Donkey Boiler No 8720 55 (ABO) R 420* (Number of Visits *8*) Gross Tons }
 Master *Bilbas* Built at *Bilbas* By whom built *Cia Eustalduna* 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 *31.54* 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 2 1/2"* 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 *2-625 2-82 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"*
 Radius of do. *45 ins* No. of Stays to do. *none* Dia. of stays *✓* Diameter of furnace Top *radius* Bottom *78 ins* Length of furnace *50 3/4 ins*
 Thickness of furnace plates *9/16 29/32* Description of joint *Riveted* 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) *For 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 workmanships are good and in my opinion the vessel is eligible to be classed with the notation of S.S. M.C. 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*

(Signed) *Peter McGregor*
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *TUES. 4 MAY 1921*

Assigned *See Bldg. 6865 attached*



Lloyd's Register
Foundation