

Rpt. 5b.

REPORT ON BOILERS.

No. 5719 *Compliment*

Received at London Office

SAT. 24 APR 1909

Date of writing Report *21st April 09* When handed in at Local Office *Bilbao* 19 *1909* Port of *Bilbao*

No. in Survey held at *Bilbao* Date, First Survey *16th April* Last Survey *20th April 1909*

Reg. Book. *56* on the *Don S. Sr. Cabo Bulleri* (Number of Visits *Four*) Gross *2246* Tons Net *1506*

Master *J. Ibarra* Built at *Middleton* By whom built *R. Dixon & Co* When built *1882-12*

Boiler made at *Stockton* By whom made *J. & S. Ludlow & Co Ltd (N^o 2494)* When made *1909*

Owners *Ibarra & Co* Port belonging to *Seville*

VERTICAL DONKEY BOILER— No. Description Manufacturers of steel

Made at By whom made When made Where fixed *Fore end stbd* Working pressure

tested by hydraulic pressure to Date of test No. of Certificate Fire grate area Description of safety valves *Direct spring*

No. of safety valves *2* Area of each *4.908* Pressure to which they are adjusted *100 lbs* If fitted with casing gear *Yes* If steam from main boilers can enter the donkey boiler *No* Dia. of donkey boiler Length Material of shell plates Thickness Range of tensile strength Descrip. of riveting long. seams Dia. of rivet holes Whether punched or drilled Pitch of rivets

Lap of plating Per centage of strength of joint Rivets Working pressure of shell by rules Thickness of shell crown plates

Radius of do. No. of Stays to do. Dia. of stays Diameter of furnace Top Bottom Length of furnace

Thickness of furnace plates Description of joint Working pressure of furnace by rules Thickness of furnace crown plates Radius of do. Stayed by Diameter of uptake Thickness of uptake plates

Thickness of water tubes

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building During progress of work in shops -- During erection on board vessel --- Total No. of visits *Four*

1909:— April 16, 17, 19, 20

Is the approved plan of boiler forwarded herewith

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

This donkey boiler has now been placed on board, in the fore end of stbd hold, all the mountings & pipe connections have been made & tested under steam pressure, & were found to be entirely satisfactory. Safety valves have now been adjusted under steam pressure to 100 lbs.

I recommend that the notation NDB-09 be made in the Register book

BEJBAO WIAHO

RETAIN

Survey Fee £ 4 : 0 : } When applied for, .. 19 ..

Travelling Expenses (if any) £ 0 : 5 : } When received, *21 April* 1909

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

Ignacio de Antinabalo
Francisco Mujica

Committee's Minute **TUES. 27 APR 1909**
Assigned *NDB 09*

Lloyd's Register
Foundation
W469-0330

THE SURVEYORS ARE REQUESTED NOT TO WRITE ACROSS THIS MARGIN.

(The Surveyors are requested not to write on or below the space for Committee's Minute.)

New Donkey Boiler now fitted on board

It is submitted that
this vessel is eligible for
THE RECORD. NDB. 09-100 lbs

It is submitted that
this vessel is eligible to
remain as GLASSED,
without special
restrictions.

APR 24 1909
A.L.D.
24/4/09



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