

REPORT ON BOILERS.

No. 53 1/2

Received at London Office

Writing Report 6th 5 1919 When handed in at Local Office 6-5 1919 Port of *Bellao*
 in Survey held at *Bellao* Date, First Survey 9-12-18 Last Survey 16-4 1919
 Book. (Number of Visits 6) Gross Tons *✓* Net *✓*
 on the *✓* Built at *✓* By whom built *✓* When built *✓*
 By whom made *✓* When made *✓*
 rs made at *Bellao* By whom made *Cia Euskalduna Constr. y Rep. de Buques* When made *1919*
 tered Horse Power *✓* Owners *Mrs. Schwartz & Larange* Port belonging to *Cádiz*

LTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *Alto Hornos de Vizcaya Bellao*
 er for record 5) Total Heating Surface of Boilers *1505 1/2* Is forced draft fitted *no* No. and Description of
 rs *One single ended multitubular* Working Pressure *180 lbs* Tested by hydraulic pressure to *360* Date of test *16-4-19*
 of Certificate *38* Can each boiler be worked separately *✓* Area of fire grate in each boiler *41.25* No. and Description of
 valves to each boiler *✓* *2 Spring* Area of each valve *5.9* Pressure to which they are adjusted *✓*
 they fitted with easing gear *✓* In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler *✓*
 lest distance between boilers or uptakes and bunkers or woodwork *✓* Mean dia. of boilers *13' 0"* Length *10' 0"*
 rial of shell plates *Steel* Thickness *1 5/8* Range of tensile strength *28 to 32* Are the shell plates welded or flanged *none*
 ip. of riveting: cir. seams *DOUBLE END* long. seams *DOUBLE END* Diameter of rivet holes in long. seams *1 1/8* Pitch of rivets *4 1/2*
 width of butt straps *16 1/2* Per centages of strength of longitudinal joint rivets *91.4%* Working pressure of shell by
 plate *85%*
 Size of manhole in shell *16" x 12"* Size of compensating ring *1 1/2" x 4 1/2"* No. and Description of Furnaces in each
 2 *DOWNERS CORR.* Material *Steel* Outside diameter *3' 9"* Length of plain part *top* Thickness of plates *bottom* *9 1/2*
 19 Description of longitudinal joint *Lap welded* No. of strengthening rings *✓* Working pressure of furnace by the rules *196* Combustion chamber
 s: Material *Steel* Thickness: Sides *5/8* Back *5/8* Top *5/8* Bottom *1 1/2* Pitch of stays to ditto: Sides *8 1/4 x 1 1/2* Back *9 1/4 x 8*
 If stays are fitted with nuts or riveted heads *nuts* Working pressure by rules *180* Material of stays *Steel* Area at
 est part *1 1/4* Area supported by each stay *40* Working pressure by rules *21 1/8* End plates in steam space: Material *Steel* Thickness *1 1/8*
 of stays *1 1/4* How are stays secured *DOUBLE END* Working pressure by rules *180* Material of stays *Steel* Area at smallest part *5 1/2*
 supported by each stay *313.5* Working pressure by rules *184.5* Material of Front plates at bottom *Steel* Thickness *1 1/2* Material of
 back plate *Steel* Thickness *2 1/2* Greatest pitch of stays *14 1/4* Working pressure of plate by rules *184* Diameter of tubes *3 1/2*
 of tubes *4 1/2 x 4 1/2* Material of tube plates *Steel* Thickness: Front *1 1/2* Back *3/4* Mean pitch of stays *9 x 9* Pitch across wide
 spaces *14 1/4* Working pressures by rules *184.5* Girders to Chamber tops: Material *Steel* Depth and thickness of
 at centre *8 1/2 x 1 3/8* Length as per rule *29* Distance apart *9 1/2* Number and pitch of Stays in each *26* *4 1/2*
 ing pressure by rules *180* Steam dome: description of joint to shell % of strength of joint
 eter Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes
 of rivets Working pressure of shell by rules Crown plates Thickness How stayed

ERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to
 of Test Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler
 ter of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

*Herewith we enclose Re Boiler
 Certificate for signature*

The foregoing is a correct description,

*CIA EUSKALDUNA DE CONSTRUCCION Y
 REPARACION DE BUQUES, BILBAO* Manufacturer.

es During progress of 1915 DEC. 9, 23 = 1919 JAN 13-29 FEB 26
 rey work in shops - - - APRIL 16
 le During erection on
 ing board vessel - - -

Is the approved plan of boiler forwarded herewith *no*Total No. of visits *6*

GENERAL REMARKS

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

*The boiler has been built under special
 way and in accordance with the approved plan dated 9-7-18. The material and work-
 manship are good and the boiler has been tested to 360 lbs. sq. inch with satisfactory results.
 This boiler is intended to be fitted on vessels built by *Alto Hornos de Vizcaya* & *Compañia*
*de Cádiz**

Survey Fee ... *£ 250* : When applied for, *6-5 1919*
 Travelling Expenses (if any) *£ 8* : When received, *6-5 1919*

Committee's Minute

Signed

TUE MAR. 2 - 1920

FRI. JUN. 25 1920

FRI. DEC. 10 1920

FRI. 21 JAN 1921

FRI. APR. 8 1921

FRI. MAY. 6 1921

THU. 19 MAR 1921

004003-004008-0149

Engineer Surveyor to Lloyd's Register of Shipping.

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