

# REPORT ON BOILERS.

No. 14488.

Received at London Office

14th AUG. 5-15

of writing Report *H. 8* 1915 When handed in at Local Office *H. 8* 1915 Port of *Lith*

in Survey held at *Lith* Date, First Survey *April 5th. 1915.* Last Survey *July 16th. 1915*

Book. *28* on the *Donkey Boiler for Ss "Albuera"* (Number of Visits *10*) Gross *3460.*

er *J.R. Ridland.* Built at *St. Marys* By whom built *Ansam & Co.* Tons Net *2259.*

nes made at *Hunwick* By whom made *Kincaid & Co.* When built *1902*

ers made at *—* By whom made *—* When made *1902*

stered Horse Power *—* Owners *Chr. Salomon & Co.* Port belonging to *Lith*

LTITUBULAR BOILERS ~~MAIN~~ ~~AUXILIARY~~ OR DONKEY. Manufacturers of Steel *Colville & Co.*

er for record *S* Total Heating Surface of Boilers *5327* Is forced draft fitted *no* No. and Description of

rs *One Lith Enma* Working Pressure *100 lbs* Tested by hydraulic pressure to *200 lbs* Date of test *16.7.15*

Certificate *729* Can each boiler be worked separately *✓* Area of fire grate in each boiler *22 1/2* No. and Description of

valves to each boiler *one opening valve* Area of each valve *7.94 sq"* Pressure to which they are adjusted *100 lbs per sq"*

they fitted with easing gear *yes* In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler *no*

distance between boilers or uptakes and bunkers or *Saddleback* *10"* Mean dia. of boilers *9-3* Length *9-0*

of shell plates *S* Thickness *3/32* Range of tensile strength *28-32* Are the shell plates welded or flanged *no*

of riveting: cir. seams *lap single* long. seams *lap double* Diameter of rivet holes in long. seams *1"* Pitch of rivets *3 1/2*

plates or width of butt straps *4 5/8* Per centages of strength of longitudinal joint *66* Working pressure of shell by

*103* Size of manhole in shell *16x12* Size of compensating ring *in 1/2* No. and Description of Furnaces in each

*2 Plain* Material *S* Outside diameter *31"* Length of plain part *top 5-9 bottom 5-9* Thickness of plates *top 3/32 bottom 3/16*

tion of longitudinal joint *Welded* No. of strengthening rings *—* Working pressure of furnace by the rules *104* Combustion chamber

Material *S* Thickness: Sides *7/8* Back *7/8* Top *7/8* Bottom *5/8* Pitch of stays to ditto: Sides *10 1/2* Back *10 1/2*

*0* If stays are fitted with nuts or riveted heads *Nuts* Working pressure by rules *100* Material of stays *S* Diameter at

part *1.45"* Area supported by each stay *109 sq"* Working pressure by rules *101* End plates in steam space: Material *S* Thickness *3/4*

stays *8x14 1/2* How are stays secured *A.N.W.* Working pressure by rules *101* Material of stays *S* Diameter at smallest part *3.49*

ported by each stay *2560* Working pressure by rules *141* Material of Front plates at bottom *S* Thickness *3/4* Material of

back plate *S* Thickness *3/4* Greatest pitch of stays *14"* Working pressure of plate by rules *131* Diameter of tubes *3 1/4*

tubes *4 3/8 x 4 1/2* Material of tube plates *S* Thickness: Front *3/4* Back *1/16* Mean pitch of stays *9x13 1/2* Pitch across wide

aces *14"* Working pressures by rules *103* Girders to Chamber tops: Material *S* Depth and thickness of

centre *5 1/2 x 1 1/2* Length as per rule *22"* Distance apart *10"* Number and pitch of Stays in each *1*

pressure by rules *120* Superheater or Steam chest: how connected to boiler *—* Can the superheater be shut off and the boiler worked

by *—* Diameter *—* Length *—* Thickness of shell plates *—* Material *—* Description of longitudinal joint *—* Diam. of rivet

*—* Pitch of rivets *—* Working pressure of shell by rules *—* Diameter of flue *—* Material of flue plates *—* Thickness *—*

ed with rings *—* Distance between rings *—* Working pressure by rules *—* End plates: Thickness *—* How stayed *—*

pressure of end plates *—* Area of safety valves to superheater *—* Are they fitted with easing gear *—*

The foregoing is a correct description,

*H.C. Hawthorn & Co. Limited* Manufacturer.

During progress of *1915 April, 5-21-28-29 May 10-14 June 10-22* Is the approved plan of boiler forwarded herewith *yes*  
work in shops *July 12-16.*  
During erection on board vessel *—* Total No. of visits *10.*

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

*This boiler has been built under special survey. The materials and workmanship are sound and good. It is stated the boiler will be fitted on board the vessel at a first convenient opportunity.*

*This donkey boiler has now been satisfactorily fitted and secured on board the above vessel.*

Fee *£ 2 : 2* When applied for *H. 8 1915*  
Travelling Expenses (if any) *£* : : When received *18-11 1915*

*M. G. Foster*  
*Swansea 8-12-15*

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

Committee's Minute TUE. 14 DEC. 1915

TUE. APR. 11 1916  
FRI. OCT. 1919

TUE. APR. 20 1920

Lloyd's Register  
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