

# REPORT ON BOILERS.

No. 285. 53D.

28 DEC 1925

23-12-1925

24-12-1925

Received at London Office

Date of writing Report 15<sup>th</sup> June 1925 When handed in at Local Office 15<sup>th</sup> June 1925 Port of Malmo, Helsingborg  
 No. in Survey held at Malmo Date, First Survey 30<sup>th</sup> October, 1919 Last Survey 25<sup>th</sup> May 1921  
 Reg. Book. Suppl. No. filled onboard S/S VALENCIA (Number of Visits 12) Gross 2230.93  
 1362 on the donkey boiler for Erikstads Mek. Verkstads Yard No. 206 Tons Net 1322.97  
 Built at Malmo By whom built Erikstads Mek. Verkstad When built 1921 1925  
 Engines made at Malmo By whom made Erikstads Mek. Verkstad A.B. When made 1921 1925  
 Boilers made at Malmo By whom made Erikstads Mek. Verkstad A.B. When made 1921 1925  
 Registered Horse Power Owners Rederiaktieb. Svenska Lloyd Port belonging to Gothenburg

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Mannesmann-Rohren Werke AG, Schuy-Knauff, Luckingau, Germany.  
 Letter for record Total Heating Surface of Boilers 850 sq. ft. Is forced draft fitted No. and Description of  
 One single ended multitubular Working Pressure 100 lbs Tested by hydraulic pressure to 200 lbs Date of test 19/5/21  
 No. of Certificate 30 Can each boiler be worked separately Area of fire grate in each boiler 30 sq. ft. No. and Description of  
 Safety valves to each boiler 2. Direct springloaded Diam. 70 mm Area of each valve 5.96 sq. in Pressure to which they are adjusted Not adjusted  
 Are they fitted with easing gear Yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler No.  
 Smallest distance between boilers or uptakes and bunkers or woodwork 9' horiz. 5' vert. Mean dia. of boilers 9' 11 1/2" Length 10'  
 Material of shell plates Steel Thickness 1 1/16" Range of tensile strength 28-32 tons Are the shell plates welded or flanged No.  
 Descrip. of riveting: cir. seams db. riv. lap long. seams of equal width Diameter of rivet holes in long. seams 15/16" Pitch of rivets 3 3/8"  
 Pressure up of plates or width of butt straps 9 7/8" Per centages of strength of longitudinal joint rivets 83.5% Working pressure of shell by  
 Size of manhole in shell 19 3/16" x 15 1/2" Size of compensating ring 32" diam. thickness 3/4" No. and Description of Furnaces in each  
 2 Morisms Material Steel Outside diameter 35 7/8" Length of plain part top 141 Thickness of plates 3/8"  
 Description of longitudinal joint No. of strengthening rings Working pressure of furnace by the rules 141 Combustion chamber  
 Material Steel Thickness: Sides 9/16" Back 5/8" Top 9/16" Bottom 9/16" Pitch of stays to ditto: Sides 9" Back 9" x 9"  
 If stays are fitted with nuts or riveted heads both Working pressure by rules 123 Material of stays Steel Area at  
 Smallest part 1.50" Area supported by each stay 81 sq. in Working pressure by rules 148 End plates in steam space: Material Steel Thickness 3/4"  
 How are stays secured Riv. washers Working pressure by rules 115.5 Material of stays Steel Area at smallest part 2.79"  
 Area supported by each stay 270 sq. in Working pressure by rules 107 Material of Front plates at bottom Steel Thickness 3/4" Material of  
 Over back plate Steel Thickness 3/4" Greatest pitch of stays See plan Working pressure of plate by rules Diameter of tubes 3 1/4"  
 Pitch of tubes 4 3/8" x 4 1/2" Material of tube plates Steel Thickness: Front 3/4" Back 3/4" Mean pitch of stays 10.2 Pitch across wide  
 Working pressures by rules 106.6 Girders to Chamber tops: Material Steel Depth and thickness of  
 Length as per rule 23" Distance apart 9" Number and pitch of Stays in each one  
 Working pressure by rules as per approved plan Steam dome: description of joint to shell % of strength of joint  
 Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes  
 Working pressure of shell by rules Crown plates Thickness How stayed  
 SUPERHEATER. Type Date of Approval of Plan Tested by Hydraulic Pressure to  
 Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler  
 Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description,

Manufacturer.

During progress of work in shops - 30/10/19, 13/4, 5/6, 7/6, 8/8, 1920, 20/11/2, 21/4, 22/4 Is the approved plan of boiler retained in London yes  
 During erection on board vessel - 10/5, 19/5, 25/5, 1921 1925-12/6 approved 8/4/18 (See Gallia)  
 Total No. of visits 12 + 5

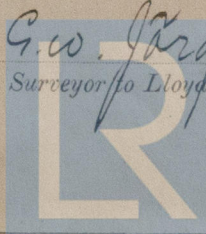
GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) This donkey boiler has been built under  
 usual conditions of Special Survey to the order of Erikstads Mek. Verkstad, Gothenburg,  
 their Yard No. 206. The workmanship is good. Material tested as per Secretary's letter  
 No. 11<sup>th</sup> February, 1915. A copy of the certificate issued in this case is enclosed.  
 Please see continuation on sheet II

Survey Fee ... £ 76.44: When applied for, 19.  
 Travelling Expenses (if any) £ : : When received, 2. 8. 19.21

Committee's Minute

Signed

Signed: G.W. Jorgensen  
 Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register  
 Foundation

W226-0079 (1/2)



steamer "Valencia" No 41362 in the Register Book Supplement.

This donkey boiler is now fitted onboard the steamer "Valencia" of Gothenburg, built by Nya Varvsaktiebolaget Öresund, Landskrona.

The boiler, which has not been used before, has been examined by me and found without deterioration or other defects. It has been fitted out with mounting etc. in accordance with the Rules and all pipes and connections have been tested.

The boiler is, in my opinion, in a good and safe working condition at a working pressure of 100 lbs per sq"

To complete Survey:- The safety valves of the donkey boiler to be adjusted under steam.

The Owner's representative states that this will be done at Gothenburg on the 28<sup>th</sup> or 29<sup>th</sup> instant.

The Gothenburg Surveyors have been advised.

Asundén

