

REPORT ON BOILERS.

No. 329.

Received at London Office  
Date of writing Report 23rd March 1914 When handed in at Local Office 10 Port of Bremen. SAT MAR 28 1914  
No. in Survey held at Bremen Date, First Survey 23rd April 1913 Last Survey 14th March 1914  
Reg. Book. on the Steel Sc SR GREIFFENFELS (Number of Visits 8) Gross 5852 Tons Net 3661  
Master E. F. Jackson Built at Bremen By whom built Aktien Gesellschaft Weser When built 1914  
Engines made at Bremen By whom made Aktien Gesellschaft Weser when made 1914  
Boilers made at Bremen By whom made Aktien Gesellschaft Weser when made 1914  
Registered Horse Power 520 Owners Deutsche Dampf-Schiffahrtsgesellschaft Weser Port belonging to Bremen.

MULTITUBULAR BOILERS MAIN, AUXILIARY OR DONKEY. Manufacturers of Steel Friedr. Krupp Aktien Gesellschaft  
(Letter for record 5) Total Heating Surface of Boilers 10265 sq ft Is forced draft fitted no No. and Description of Boilers 1 cylindrical multitubular Working Pressure 121 lbs Tested by hydraulic pressure to 182 lbs Date of test 3/2.14  
No. of Certificate 78. Can each boiler be worked separately yes Area of fire grate in each boiler 45.3 sq ft No. and Description of safety valves to each boiler 2 spring loaded Area of each valve 2.4 sq in Pressure to which they are adjusted 121 lbs  
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 20 in Mean dia. of boilers 144 in Length 120 in  
Material of shell plates Steel Thickness .29 in Range of tensile strength 28-33 tons Are the shell plates welded or flanged  
Descrip. of riveting: cir. seams double long. seams double Diameter of rivet holes in long. seams 1 in Pitch of rivets 6.55 in  
Lap of plates or width of butt straps 14.6 in Per centages of strength of longitudinal joint rivets 130 plate 85 Working pressure of shell by rules 132 lbs Size of manhole in shell 14.8 x 15.8 in Size of compensating ring 33.9 x 29.2 in No. and Description of Furnaces in each boiler 3, plain Material 1/4 in steel Outside diameter 32.6 in Length of plain part top 90 in Thickness of plates crown 3/4 in bottom 3/4 in  
Description of longitudinal joint welded No. of strengthening rings Working pressure of furnace by the rules 143 lbs Combustion chamber plates: Material Steel Thickness: Sides .52 Back .53 Top .52 Bottom .83 Pitch of stays to ditto: Sides 8.2 x 7.5 Back 8.8 x 7.1 Top 8.2 x 7.9 If stays are fitted with nuts or riveted heads nuts Working pressure by rules 132 lbs Material of stays Steel Diameter at smallest part 2.13 in Area supported by each stay 68.6 sq in Working pressure by rules 136 lbs End plates in steam space: Material Steel Thickness .29 in Pitch of stays 15.8 x 13.8 How are stays secured double nut Working pressure by rules 129 lbs Material of stays steel Diameter at smallest part 2.25 in Area supported by each stay 216 sq in Working pressure by rules 138 lbs Material of Front plates at bottom 1/4 in steel Thickness .88 in Material of Lower back plates 1/4 in steel Thickness .21 Greatest pitch of stays 15.3 x 6.8 Working pressure of plate by rules 123 lbs Diameter of tubes 3.25 in Pitch of tubes 4.4 x 4.5 Material of tube plates Steel Thickness: Front .88 Back .29 Mean pitch of stays 8.9 in Pitch across wide water spaces 14.4 in Working pressures by rules 125 lbs Girders to Chamber tops: Material 1/4 in steel Depth and thickness of girder at centre 2.2 x 1.01 in Length as per rule 22 in Distance apart 2.9 in Number and pitch of Stays in each 2-8.2 in Working pressure by rules 161 lbs Superheater or Steam chest: how connected to boiler Can the superheater be shut off and the boiler worked separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description, ACTIEN GESELLSCHAFT WESER Manufacturer.

Dates of Survey During progress of 1913: April 23, May 33, Oct 11, Nov 12, 1914: Jan 30 Is the approved plan of boiler forwarded herewith yes  
while building During erection on 1914: Feb 19, March 14. Total No. of visits 8.

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

See Report on Machinery.

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

G. H. C. Kemp.

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

Committee's Minute TUE. MAR. 31. 1914

Assigned



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