

REPORT ON BOILERS.

No. 10718^a
SAT. 20 MAR 1909

Received at London Office

Writing Report 18/3. 1909 When handed in at Local Office 19 Port of Hamburg
 in Survey held at Flensburg Date, First Survey 30th July 1908 Last Survey 10th March 1909
 Book. 32 on the Steel S. S. "Buffalo" (Number of Visits 13) Tons { Gross 6632
H.C. Janssen Built at Flensburg By whom built Flensburger Schiffbau Ges. When built 1909
Flensburg By whom made Flensburger Schiffbau Ges. when made 1909
Flensburg By whom made Flensburger Schiffbau Ges. when made 1909
 Registered Horse Power 620 Owners Deutsche Amerika Petroleum Ges. Port belonging to Hamburg

LTITUBULAR BOILERS ~~MAIN, AUXILIARY OR~~ **DONKEY.** — Manufacturers of Steel Kefer, Janssen & Co.
 er for record S Total Heating Surface of Boilers 1201 sq. ft. Is forced draft fitted no No. and Description of
 ers 1 Single ended multitubular Working Pressure 180 lbs Tested by hydraulic pressure to 360 lbs Date of test 11.12.08
 of Certificate 108 Can each boiler be worked separately yes Area of fire grate in each boiler 37.3 sq. ft. No. and Description of
 y valves to each boiler 2 Spring loaded Area of each valve 8.25 sq. in. Pressure to which they are adjusted 180 lbs
 they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler no
 Closest distance between boilers or uptakes and bunkers or woodwork 26" Mean dia. of boilers 11' 0" Length 11' 8"
 Material of shell plates Steel Thickness .94" Range of tensile strength 28-32 tons Are the shell plates welded or flanged —
 Grip. of riveting: cir. seams lap, dbl. riv. long. seams dbl. batt. try riv. Diameter of rivet holes in long. seams 1.2" Pitch of rivets 7.7"
 of plates or width of butt straps 17.4" Per centages of strength of longitudinal joint rivets 111.8% Working pressure of shell by
181.1 lbs Size of manhole in shell 11.8 x 15.75" Size of compensating ring 8.6" x 27" plate 84.7%
 ler 2 Morrisons Material Steel Outside diameter 42.9" Length of plain part top 6" Thickness of plates crown .6"
 Description of longitudinal joint welded No. of strengthening rings none Working pressure of furnace by the rules 220.7 lbs Combustion chamber
 tes: Material Steel Thickness: Sides .625" Back .6" Top .625" Bottom .1" Pitch of stays to ditto: Sides 7.5 x 7.5" Back 7.7 x 7.7"
7.8" If stays are fitted with nuts or riveted heads nuts & heads Working pressure by rules 221.3 lbs Material of stays Steel Diameter at
 smallest part 1.5" Area supported by each stay 32.29" Working pressure by rules 232.2 lbs End plates in steam space: Material Steel Thickness 1.03"
 ch of stays 15" How are stays secured dbl. nuts & wash. Working pressure by rules 210.5 lbs Material of stays Steel Diameter at smallest part 2.75"
 ea supported by each stay 113.29 in. Working pressure by rules 272.7 lbs Material of Front plates at bottom Steel Thickness 1" Material of
 ver back plate Steel Thickness 1" Greatest pitch of stays 17" Working pressure of plate by rules 251.8 lbs Diameter of tubes 3.25"
 ch of tubes 4.4" Material of tube plates Steel Thickness: Front 1.03" Back .9" Mean pitch of stays 8.8" Pitch across wide
 ter spaces 14.4" Working pressures by rules 200 lbs Girders to Chamber tops: Material Steel Depth and thickness of
 der at centre 9" x 1.41" Length as per rule 34" Distance apart 7.5" Number and pitch of Stays in each 3-8.77"
 orking pressure by rules 231.6 lbs Superheater or Steam chest; how connected to boiler — Can the superheater be shut off and the boiler worked
 arately — Diameter — Length — Thickness of shell plates — Material — Description of longitudinal joint — Diam. of rivet
 les — Pitch of rivets — Working pressure of shell by rules — Diameter of flue — Material of flue plates — Thickness —
 stiffened with rings — Distance between rings — Working pressure by rules — End plates: Thickness — How stayed —
 orking pressure of end plates — Area of safety valves to superheater — Are they fitted with easing gear —
 Thickness of Safety valve adjusting washers:
 Wash.: 3/8" Port: 13/32"

The foregoing is a correct description,
Flensburger Schiffbau-Gesellschaft Manufacturer.

Dates { During progress of 20/7, 3/8, 28/8, 29/8, 17/9, 7/10, & 4/12.08 Is the approved plan of boiler forwarded herewith yes
 Survey while — work in shops —
 building { During erection on 20/12.08, 27/12, 14/1, 23, 30, & 10/2.09 Total No. of visits 13
 board vessel —

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. This Boiler has been con-
structed under Special Survey, its Materials and Workmanship
are first class, and it is eligible for a vessel classed **R.I.M.C.**
in the Society's Register Book, Working Pressure 180 lbs.

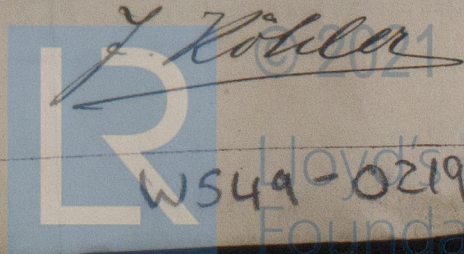
Survey Fee ... £ : — When applied for, 19
 Travelling Expenses (if any) £ : — When received, 19

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

Committee's Minute

Assigned

FRI. 26 MAR 1909



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 Foundation