

REPORT ON BOILERS.

No. 74075

Received at London Office WED. FEB. 21 1921
NEWCASTLE-ON-TYNE

1 - FEB 1921 Port of

Report 10 When handed in at Local Office
Survey held at **Hebburn**

Date, First Survey **5th Jan'y** Last Survey **21st Jan'y 1921**

the Port Forward Main Boilers Twin Screw **Adolph Woermann**

(Number of Visits) Gross Tons Net Tons

Built at **Hamburg** By whom built **Reihorst-Schiffbau** When built **1906**

made at **Hamburg** By whom made **Reihorst-Maschinenbau** When made

made at **Hamburg** By whom made **Reihorst-Schiffswerfte** no. 768 When made **1910**

Horse Power Owners Port belonging to

TUBULAR BOILERS - MAIN, AUXILIARY OR DONKEY.

record **S**) Total Heating Surface of Boilers **2174** Manufacturers of Steel **Is forced draft fitted** **yes** No. and Description of

S. E. cyl. muller Working Pressure **200 lbs** Tested by hydraulic pressure to **14 atmospheres** Date of test

certificate **✓** Can each boiler be worked separately **✓** Area of fire grate in each boiler **52.5 sq ft** No. and Description of

es to each boiler **two direct spray loaded** Area of each valve **11.3 sq ft** Pressure to which they are adjusted **✓**

itted with easing gear **yes** In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler **none**

distance between boilers or uptakes and bunkers or woodwork **18" about** Mean dia. of boilers **14' 5 1/4** Length **11.10 ft**

with **shell plates steel** Thickness **1 1/2** Range of tensile strength **27.3/32.3** Are the shell plates welded or flanged **no**

of riveting: cir. seams **treble** long. seams **quad. D.B.S** Diameter of rivet holes in long. seams **1 1/2** Pitch of rivets **10 1/4**

Rods **width of butt straps 23 1/4"** Per centages of strength of longitudinal joint **106.5%** Working pressure of shell by

opeller **5** Size of manhole in shell **15 3/4 x 11 3/4** Size of compensating ring **2' 10 5/8** No. and Description of Furnaces in each

Material **steel** Outside diameter **46.25** Length of plain part **3' 2 1/4** Thickness of plates **5/8"**

on of longitudinal joint **weld** No. of strengthening rings **✓** Working pressure of furnace by the rules **223 lbs** Combustion chamber

Material **steel** Thickness: Sides **1 1/2** Back **1 1/2** Top **1 1/2** Bottom **3/4** Pitch of stays to ditto: Sides **1 1/2 x 7/8** Back **1 1/4 x 7/8**

stays are fitted with nuts or riveted heads **nuts** Working pressure by rules **272 lbs** Material of stays **steel** Area at

part **48** Area supported by each stay **57.6** Working pressure by rules **205 lbs** End plates in steam space: Material **steel** Thickness **1"**

stays **14** How are stays secured **D.V. + W.** Working pressure by rules **208 lbs** Material of stays **steel** Area at smallest part **5.9**

ported by each stay **217.5** Working pressure by rules **213 lbs** Material of Front plates at bottom **steel** Thickness **1"** Material of

ch plate **steel** Thickness **29/32** Greatest pitch of stays **14.5** Working pressure of plate by rules **203 lbs** Diameter of tubes **3"**

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

aces **14 1/8"** Working pressures by rules **190 lbs** Girders to Chamber tops: Material **steel** Depth and thickness of

centre **9" x 1 1/16** Length as per rule **32.5** Distance apart **7 1/8** Number and pitch of Stays in each **3 of 7 1/16**

pressure by rules **195 lbs** Steam dome: description of joint to shell **none** % 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

HEATER. Type **none** 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

of Safety Valve Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description,

Manufacturer.

Is the approved plan of boiler forwarded herewith **no**
Total No. of visits **returned to owners**

During progress of work in shops - -
During erection on board vessel - -

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

Boermann Steamers Adolph Woermann - In my opinion this boiler is now so
seen in efficient condition for a working pressure of 200 lbs. Subject to the boiler
tested under hydraulic pressure and the Safety Valves adjusted 200 lbs under steam
has proceeded to Amsterdam for completion of survey, Surveyor at Amsterdam advised.

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

Committee's Minute

FRI. AUG. 19 1921

FRI. 16 SEP. 1921

Leonard Challinor 2020
Engineer Surveyor to Lloyd's Register of Shipping.

Lloyd's Register
Foundation

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