

REPORT ON BOILERS.

No. 11690

TUE. MAR. 29 1921

Received at London Office

Date of writing Report *10 March 21* When handed in at Local Office

10 Port of *Rotterdam*

No. in Survey held at *Rotterdam*

Date, First Survey *15 April*

Last Survey *28 Feb 1921*

Reg. Book. on the *Club Steam Steamer "ARGO"*

(Number of Visits *7*) Tons { Gross *1393.09*
Net *737.10*

Master *J.P. Johansen* Built at *Rotterdam* By whom built *Hausmann & Schepers* When built *1921*

Engines made at *Rotterdam* By whom made *ditto* When made *1921*

Boilers made at *ditto* By whom made *ditto* When made *1921*

Registered Horse Power Owners *Thunke & van der Meer* Port belonging to *Helsingfors*

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY—Manufacturers of Steel *Hausmann & Schepers*

Letter for record *S* Total Heating Surface of Boilers *12650* Is forced draft fitted *no* No. and Description of

Boilers *one SE multitubular* Working Pressure *180* Tested by hydraulic pressure to *360* Date of test *20. 8. 20*

No. of Certificate *700* Can each boiler be worked separately *yes* Area of fire grate in each boiler *36.60* No. and Description of

safety valves to each boiler *2 Spring loaded* Area of each valve *5.10* Pressure to which they are adjusted *180 lbs.*

Are they fitted with easing gear *yes* In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler *✓*

Smallest distance between boilers or uptakes and bunkers or woodwork *24"* Mean dia. of boilers *10'-10"* Length *10'-7"*

Material of shell plates *sell* Thickness *15/16"* Range of tensile strength *20-32* Are the shell plates welded or flanged *no*

Descrip. of riveting: cir. seams *D lap* long. seams *Tubed B.* Diameter of rivet holes in long. seams *1/16"* Pitch of rivets *7 9/32"*

Lap of plates or width of butt straps *16/0"* Per centages of strength of longitudinal joint rivets *80* plate *85* Working pressure of shell by

rules *107* Size of manhole in shell *12x16* Size of compensating ring *26 3/4 x 9/16* No. and Description of Furnaces in each

boiler *2 Harrison* Material *sell* Outside diameter *3'-7 5/16"* Length of plain part top *✓* bottom *✓* Thickness of plates crown *9/16"* bottom *9/16"*

Description of longitudinal joint *Welded* No. of strengthening rings *✓* Working pressure of furnace by the rules *204* Combustion chamber

plates: Material *sell* Thickness: Sides *7/8"* Back *7/8"* Top *7/8"* Bottom *7/8"* Pitch of stays to ditto: Sides *7/8"* Back *7/8"*

Top *7/8 x 8/16"* If stays are fitted with nuts or riveted heads *both* Working pressure by rules *197* Material of stays *sell* Area at

smallest part *4.14* Area supported by each stay *50 3/4"* Working pressure by rules *195* End plates in steam space: Material *sell* Thickness *2 7/32"*

Pitch of stays *15 3/4"* How are stays secured *double nuts* Working pressure by rules *234* Material of stays *sell* Area at smallest part *5.94*

Area supported by each stay *2400"* Working pressure by rules *200* Material of Front plates at bottom *sell* Thickness *2 7/32"* Material of

Lower back plate *sell* Thickness *2 7/32"* Greatest pitch of stays *15/8"* Working pressure of plate by rules *321* Diameter of tubes *3 1/2"*

Pitch of tubes *4 1/2"* Material of tube plates *sell* Thickness: Front *2 7/32"* Back *7/8"* Mean pitch of stays *9* Pitch across wide

water spaces *15/8"* Working pressures by rules *330* Girders to Chamber tops: Material *sell* Depth and thickness of

girder at centre *2 x 1/16 x 8/4* Length as per rule *2'-3 7/8"* Distance apart *0/4* Number and pitch of Stays in each *3 x 7/8"*

Working pressure by rules *200* Steam dome: description of joint to shell *none* % of strength of joint *✓*

Diameter *✓* Thickness of shell plates *✓* Material *✓* Description of longitudinal joint *✓* Diam. of rivet holes *✓*

Pitch of rivets *✓* Working pressure of shell by rules *✓* Crown plates *✓* Thickness *✓* How stayed *✓*

UPERHEATER. Type *Briggs* Date of Approval of Plan *✓* Tested by Hydraulic Pressure to *600 lbs.*

Date of Test *22-5-20* Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler *yes*

Diameter of Safety Valve *2"* Pressure to which each is adjusted *100 lbs.* Is Easing Gear fitted *yes*

MACHINEFABRIEK & SCHEEPSWERF
van P. SMIT Jr.

f. v. j. van den Meer

The foregoing is a correct description,

Manufacturer.

Dates of Survey } During progress of work in shops - - } *15/4 - 10/6 - 23/6 - 7/7 - 13/8 - 20/8 1921* the approved plan of boiler forwarded herewith *Rotterdam London office*
while building } During erection on board vessel - - - } *28/6 1921* Total No. of visits *7*

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

The boiler has been made and fitted in accordance with the approved plan Society's Rules and Secretary's letters. Material tested as required and workmanship good.

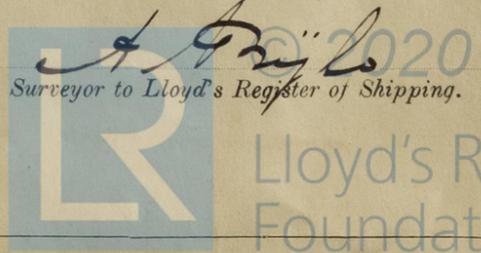
Survey Fee ... *Included in* : } When applied for, 19.....
Travelling Expenses (if any) *Ref. 1/2* : } When received, 19.....

Committee's Minute

TUE. 5 APR. 1921

Assigned

Engineer Surveyor to Lloyd's Register of Shipping.



Lloyd's Register Foundation

003252-003262-0145