

REPORT ON BOILERS.

No. 11504

Received at London Office

FRI. NOV. 19 1920

Date of writing Report *6 Nov 1920* When handed in at Local Office *19* Port of *Rotterdam*
 No. in Survey held at *Rotterdam* Date, First Survey *25 April 1916* Last Survey *25 May 1917*
 Reg. Book. *(Number of Visits 10)* Gross *2014*
 on the *Boilers Nos: 580-581 now placed in 5/8 MARS DIEP.* Tons Net *1177*
 Master *A. B. ten* Built at *Capelle 70 April* By whom built *A. Verhulst - Zaan* When built *1920*
 Engines made at *Amsterdam* By whom made *Verhulst - Co* When made *1920*
 Boilers made at *Rotterdam* By whom made *Burgervhout's Machinefabriek* When made *1916-17*
 Registered Horse Power *223.9* Owners *Holl Vrachtv. Mij* Port belonging to *Rotterdam*

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel *Gelmerdijkse Hutten*

(Letter for record *S*) Total Heating Surface of Boilers *4020 sq ft* Is forced draft fitted *no* No. and Description of Boilers *2 S.E. multitubular* Working Pressure *180* Tested by hydraulic pressure to *270* Date of test *25.5.17*
 No. of Certificate *683* Can each boiler be worked separately *Yes* Area of fire grate in each boiler *69 sq ft* No. and Description of safety valves to each boiler *2 Spring loaded* Area of each valve *5.94 sq in* 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 *no D.B.*
 Smallest distance between boilers or uptakes and bunkers or woodwork *9 1/2 in* Mean dia. of boilers *14' 5 1/4 in* Length *19' 6 3/8 in*
 Material of shell plates *S.M.* Thickness *1 1/4 in* Range of tensile strength *20.5-23* Are the shell plates welded or flanged *no*
 Descrip. of riveting: cir. seams *double lap* long. seams *thru-bolt* diameter of rivet holes in long. seams *1 5/16 in* Pitch of rivets *8 9/16 in*
 Lap of plates or width of butt straps *19 1/4 in* Per centages of strength of longitudinal joint rivets *94.5%* Working pressure of shell by rules *191 lbs* Size of manhole in shell *12 1/2 x 16 in* Size of compensating ring *29 1/2 x 33 1/2 in* No. and Description of Furnaces in each boiler *3 Horizontal* Material *S.M.* Outside diameter *47 1/4 in* Length of plain part *top 27 1/2 in bottom 27 1/2 in* Thickness of plates crown *5/8 in bottom 5/8 in*
 Description of longitudinal joint *Welded* No. of strengthening rings *1* Working pressure of furnace by the rules *105* Combustion chamber plates: Material *S.M.* Thickness: Sides *1 1/16 in* Back *1 1/16 in* Top *1 1/16 in* Bottom *2 7/32 in* Pitch of stays to ditto: Sides *7 7/8 x 7 7/8 in* Back *7 1/2 x 8 1/4 in*
 Top *7 7/8 x 7 7/8 in* If stays are fitted with nuts or riveted heads *with nuts* Working pressure by rules *102* Material of stays *S.M.* Area at smallest part *1/4 x 7/8 in* Area supported by each stay *60 1/2 sq in* Working pressure by rules *89* End plates in steam space: Material *S.M.* Thickness *1 1/16 in*
 Pitch of stays *7 7/8 x 7 7/8 in* How are stays secured *clamped* Working pressure by rules *107* Material of stays *S.M.* Area at smallest part *5.94 sq in*
 Area supported by each stay *256 sq in* Working pressure by rules *234* Material of Front plates at bottom *S.M.* Thickness *2 7/32 in* Material of Lower back plate *S.M.* Thickness *2 7/32 in* Greatest pitch of stays *13 3/32 in* Working pressure of plate by rules *353* Diameter of tubes *3 1/2 in*
 Pitch of tubes *4 1/32 x 4 1/32 in* Material of tube plates *S.M.* Thickness: Front *2 7/32 in* Back *2 7/32 in* Mean pitch of stays *4 3/8 x 4 9/8 in* Pitch across wide water spaces *14 3/16 in* Working pressures by rules *105* Girders to Chamber tops: Material *S.M.* Depth and thickness of girder at centre *1 1/8 x 8 1/16 in* Length as per rule *3 1/2 in* Distance apart *7 7/8 in* Number and pitch of Stays in each *3 x 7 1/16 in*
 Working pressure by rules *100* Steam dome: description of joint to shell *✓* % 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 *✓*

SUPERHEATER. Type *✓* Date of Approval of Plan *✓* Tested by Hydraulic Pressure to *✓*
 Date of Test *✓* Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler *✓*
 Diameter of Safety Valve *✓* Pressure to which each is adjusted *✓* Is Easing Gear fitted *✓*

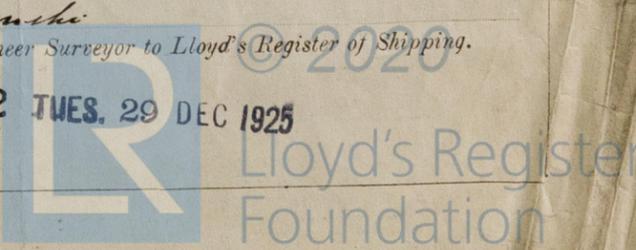
The foregoing is a correct description,
 BURGERHOUT'S MACHINEFABRIEK & SCHEEPSWERF,
J. Burgervhout Manufacturer.

Dates of Survey *25/4-10/5-16/6-4/7-23/8-19/9-29/10-1916* Is the approved plan of boiler forwarded herewith *Yes*
 while building *12/4-27/5-1917* Total No. of visits *10*

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) *The boilers have been made in accordance with the Society's Rules, approved plans as Secretary's letters, material used as required and workmanship good. The boilers are true copies of boiler 579, Rotterdam Rep No: 10966. They have been sold to Verhulst - Co Amsterdam and now placed in*

Survey Fee ... *160.00* : : When applied for, *10/11/20* *5/8, 1 hour duty*
 Travelling Expenses (if any) £ : : When received, *15/11/20*

Committee's Minute *FRI. NOV. 26 1920*
 Assigned *FRI. AUG. 11 1922 TUES. 29 DEC 1925*
TUES. 23 DEC 1924
TUES. 15 SEP 1925
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