

REPORT ON MACHINERY.

No. 6959.6

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Date of writing Report 9 May 1916 When handed in at Local Office 10 Port of Amsterdam
 No. in Survey held at Latt Bommel Date, First Survey 19 February Last Survey 17 April 1916
 Reg. Book. 55 on the St de de Otis Tetroax yard No. 427 (Number of Visits 7) Tons { Gross 990
 Master de Boer Built at Latt Bommel By whom built J. Meyers S. B. Co when made 1916
 Engines made at Rotterdam By whom made Burgerhout Machine fabriek when made 1916
 Boilers made at Rotterdam By whom made Burgerhout Machine fabriek when made 1916
 Registered Horse Power _____ Owners Vudig en Pieters Port belonging to Rotterdam
 Nom. Horse Power as per Section 28 185 Is Refrigerating Machinery fitted for cargo purposes _____ Is Electric Light fitted Yes

ENGINES, &c.—Description of Engines

Dia. of Cylinders _____ **Length of Stroke** _____ **Revs. per minute** 85 **Dia. of Screw shaft** _____ **No. of Cylinders** _____ **No. of Cranks** _____
 as per rule 10 1/4 Material of screw shaft Steel
 as fitted _____
 Is the screw shaft fitted with a continuous liner the whole length of the stern tube _____ Is the after end of the liner made water tight
 in the propeller boss Yes If the liner is in more than one length are the joints burned _____ If the liner does not fit tightly at the part
 between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive _____ If two
 liners are fitted, is the shaft lapped or protected between the liners _____ Length of stern bush _____
Dia. of Tunnel shaft _____ **Dia. of Crank shaft journals** _____ **Dia. of Crank pin** _____ **Size of Crank webs** _____ **Dia. of thrust shaft under**
 collars _____ **Dia. of screw** _____ **Pitch of Screw** _____ **No. of Blades** _____ **State whether moenable** _____ **Total surface** _____
No. of Feed pumps _____ **Diameter of ditto** _____ **Stroke** _____ **Can one be overhauled while the other is at work** _____
No. of Bilge pumps _____ **Diameter of ditto** _____ **Stroke** _____ **Can one be overhauled while the other is at work** _____
No. of Donkey Engines 2 Duplex **Sizes of Pumps** 4 x 8 1/2 x 10; 4 x 5 x 6 **No. and size of Suctions connected to both Bilge and Donkey pumps** _____
In Engine Room Four 0' 2 1/4" **In Holds, &c.** two in No. 1 hold for bilges, one peak tank on No. 2
One in No. 2 tank 1 1/2", three in No. 2 tank 2 1/2" and 2 1/4", three in ER tank 2 1/4". In No. 4 tank 2 1/2" and 2 1/4", 3 bilge suction in
after hold 2 1/2". One in after peak tank **Is a separate Donkey Suction fitted in Engine room & size** 4 1/2" x 4 1/4"
No. of Bilge Injections _____ **sizes** 1/4" **Connected to condenser, or to circulating pump** _____
Are all the bilge suction pipes fitted with roses Yes **Are the roses in Engine room always accessible** Yes **Are the sluices on Engine room bulkheads always accessible** None
Are all connections with the sea direct on the skin of the ship Yes **Are they Valves or Cocks** Both
Are they fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes **Are the Discharge Pipes above or below the deep water line** Above
Are they each fitted with a Discharge Valve always accessible on the plating of the vessel Yes **Are the Blow Off Cocks fitted with a spigot and brass covering plate** Yes
What pipes are carried through the bunkers None **How are they protected** _____
Are all Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Yes
Are the Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges Yes
Is the Screw Shaft Tunnel watertight Yes **Is it fitted with a watertight door** Yes **worked from** top platform

BOILERS, &c.—(Letter for record)

Total Heating Surface of Boilers 33600 **Is Forced Draft fitted** _____ **No. and Description of Boilers** _____
Working Pressure _____ **Tested by hydraulic pressure to** _____ **Date of test** _____ **No. of Certificate** _____
Can each boiler be worked separately _____ **Area of fire grate in each boiler** _____ **No. and Description of Safety Valves to** _____
each boiler _____ **Area of each valve** _____ **Pressure to which they are adjusted** 192 lb. **Are they fitted with easing gear** Yes
Smallest distance between boilers or uptakes and bunkers or woodwork no bunkers **Mean dia. of boilers** _____ **Length** _____ **Material of shell plates** _____
Thickness _____ **Range of tensile strength** _____ **Are the shell plates welded or flanged** _____ **Descrip. of riveting: cir. seams** _____
long. seams _____ **Diameter of rivet holes in long. seams** _____ **Pitch of rivets** _____ **Lap of plates or width of butt straps** _____
Per centages of strength of longitudinal joint _____ **Working pressure of shell by rules** _____ **Size of manhole in shell** _____
Size of compensating ring _____ **No. and Description of Furnaces in each boiler** 2 Murray **Material** _____ **Outside diameter** _____
Length of plain part _____ **Thickness of plates** _____ **Description of longitudinal joint** _____ **No. of strengthening rings** _____
Working pressure of furnace by the rules _____ **Combustion chamber plates: Material** _____ **Thickness: Sides** _____ **Back** _____ **Top** _____ **Bottom** _____
Pitch of stays to ditto: Sides _____ **Back** _____ **Top** _____ **If stays are fitted with nuts or riveted heads** _____ **Working pressure by rules** _____ **End plates in steam space:** _____
Material of stays _____ **Area at smallest part** _____ **Area supported by each stay** _____ **Working pressure by rules** _____ **Material of stays** _____
Material _____ **Thickness** _____ **Pitch of stays** _____ **How are stays secured** _____ **Working pressure by rules** _____ **Material of Front plates at bottom** _____
Area at smallest part _____ **Area supported by each stay** _____ **Working pressure by rules** _____ **Material of Front plates at bottom** _____
Thickness _____ **Material of Lower back plate** _____ **Thickness** _____ **Greatest pitch of stays** _____ **Working pressure of plate by rules** _____
Diameter of tubes _____ **Pitch of tubes** _____ **Material of tube plates** _____ **Thickness: Front** _____ **Back** _____ **Mean pitch of stays** _____
Pitch across wide water spaces _____ **Working pressures by rules** _____ **Girders to Chamber tops: Material** _____ **Depth and** _____
thickness of girder at centre _____ **Length as per rule** _____ **Distance apart** _____ **Number and pitch of stays in each** _____
Working pressure by rules _____ **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** _____
iameter of Safety Valve _____ **Pressure to which each is adjusted** _____ **Is Easing Gear fitted** _____

If not, state whether, and when, one will be sent. In a Report also sent on the hull of the ship.



