

REPORT ON MACHINERY.

No. 5156^bPort of *Rotterdam*Received at London Office *THUR. MAR. 21, 1907*No. in Survey held at *Flushing & Hendrik Ids Ambacht* Date, first Survey *17 July, 1906* Last Survey *20 March 1907*
Reg. Book.2. *Sup.* on the *Steel S.S. "La Platense"*(Number of Visits *14*)Master *J. Bunney* Built at *H.I. Ambacht* By whom built *Jonker & Stans.*Tons { Gross *669.47*
Net *406.96*
When built *1906-12*Engines made at *St. Yarmouth* By whom made *Crabtree & Co. L^d*when made *1906*Boilers made at *Flushing* By whom made *Hon. Maats. de Schelde*when made *1906*Registered Horse Power *-* Owners *Company La Platense*Port belonging to *Bueno Ayres*Nom. Horse Power as per Section 28 *69*Is Refrigerating Machinery fitted for cargo purposes *no*Is Electric Light fitted *no*ENGINES, &c.—Description of Engines *See London Rpt. No. 69315* No. of Cylinders *2* No. of Cranks *2*Dia. of Cylinders *-* Length of Stroke *-* Revs. per minute *-* Dia. of Screw shaft *as per rule* Material of *-*
as fitted screw shaftIs the screw shaft fitted with a continuous liner the whole length of the stern tube *-* Is the after end of the liner made water tightin the propeller boss *-* If the liner is in more than one length are the joints burned *-* If the liner does not fit tightly at the partbetween the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non-corrosive *-* If twoliners are fitted, is the shaft lapped or protected between the liners *-* Length of stern bush *-*Dia. of Tunnel shaft *as per rule* Dia. of Crank shaft journals *as per rule* Dia. of Crank pin *-* Size of Crank webs *-* Dia. of thrust shaft undercollars *-* Dia. of screw *-* Pitch of Screw *-* No. of Blades *-* State whether moveable *-* 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 *One* Sizes of Pumps *-* No. and size of Suctions connected to both Bilge and Donkey pumpsIn Engine Room *One 2" centre suction* In Holds, &c. *All 2" - 1 in fore tank, 2 in No. 1 hold,*
*2 in No. 2 hold, 1 in after tank.*No. of Bilge Injections *1* sizes *4"* Connected to *condenser* or to circulating pump *-* Is a separate Donkey Suction fitted in Engine room of size *yes 2"*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 *yes*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.*Dates of examination of completion of fitting of Sea Connections *12 Dec. 06* of Stern Tube *12 Dec.* Screw shaft and Propeller *12 Dec.*Is the Screw Shaft Tunnel watertight *none* Is it fitted with a watertight door *-* worked from *-*BOILERS, &c.—(Letter for record *5*) Manufacturers of Steel *Hoerder & H. Verein, Thyssen & Co*Total Heating Surface of Boilers *1450* Is Forced Draft fitted *no* No. and Description of Boilers *one single ended marine*Working Pressure *130 lbs* Tested by hydraulic pressure to *260 lbs* Date of test *29/9/06* No. of Certificate *233*Can each boiler be worked separately *✓* Area of fire grate in each boiler *49 sq ft.* No. and Description of Safety Valves toeach boiler *2 Spring loaded* Area of each valve *7.07 sq* Pressure to which they are adjusted *130 lbs* Are they fitted with easing gear *yes*Smallest distance between boilers or uptakes and bunkers or woodwork *over 12"* Mean dia. of boilers *12'-4 3/8"* Length *10'-6"* Material of shell plates *steel*Thickness *13/16"* Range of tensile strength *27-32 T* Are the shell plates welded or flanged *no* Descrip. of riveting: cir. seams *lap, all riv*long. seams *all butt 5x4* Diameter of rivet holes in long. seams *7/8"* Pitch of rivets *5 13/16"* Lap of plates or width of butt straps *13 3/8"*Per centages of strength of longitudinal joint *95* Working pressure of shell by rules *133 lbs* Size of manhole in shell *12" x 16"*Size of compensating ring *Al. Seil's* No. and Description of Furnaces in each boiler *3 Morrison's* Material *steel* Outside diameter *40"*Length of plain part *top* Thickness of plates *bottom* *15/32"* Description of longitudinal joint *welded* No. of strengthening rings *-*Working pressure of furnace by the rules *155 lbs* Combustion chamber plates: Material *steel* Thickness: Sides *9/16"* Back *9/16"* Top *9/16"* Bottom *3/4"*Pitch of stays to ditto: Sides *7 1/2 x 8* Back *7 7/8* Top *7 1/2 x 8* If stays are fitted with nuts or riveted heads *riveted* Working pressure by rules *181 lbs*Material of stays *steel* Diameter at smallest part *1.22* Area supported by each stay *60.12* Working pressure by rules *162* End plates in steam space:Material *steel* Thickness *7/8"* Pitch of stays *19" x 16"* How are stays secured *5 nuts* Working pressure by rules *139 lbs* Material of stays *steel*Diameter at smallest part *2 7/8"* Area supported by each stay *308.5* Working pressure by rules *143* Material of Front plates at bottom *steel*Thickness *27/32"* Material of Lower back plate *steel* Thickness *21/32"* Greatest pitch of stays *12 1/2 x 7 7/8* Working pressure of plate by rules *136 lbs*Diameter of tubes *3 1/2"* Pitch of tubes *4 5/8 x 4 3/4"* Material of tube plates *steel* Thickness: Front *27/32"* Back *3/4"* Mean pitch of stays *see plan*Pitch across wide water spaces *14"* Working pressures by rules *130 lbs* Girders to Chamber tops: Material *steel* Depth andthickness of girder at centre *8" x 1 1/4"* Length as per rule *29"* Distance apart *8"* Number and pitch of stays in each *3-7 1/2"*Working pressure by rules *150 lbs* Superheater or Steam chest; how connected to boiler *-* Can the superheater be shut off and the boiler workedseparately *✓* Diameter *-* Length *-* Thickness of shell plates *-* Material *-* Description of longitudinal joint *-* Diam. of rivetholes *-* Pitch of rivets *-* Working pressure of shell by rules *-* Diameter of flue *-* Material of flue plates *-* Thickness *-*If stiffened with rings *-* Distance between rings *-* Working pressure by rules *-* End plates: Thickness *-* How stayed *-*Working pressure of end plates *-* Area of safety valves to superheater *-* Are they fitted with easing gear *-*

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