

REPORT ON MACHINERY.

No. 1186

Received at London Office 10/2/20
 of writing Report 27 Jan 20 When handed in at Local Office 19 Port of Stockholm
 in Survey held at Saltsjö-järda, Skm. Distr. Date, First Survey 15 March 1918 Last Survey 24 Jan 1920
 Book. (Number of Visits 13)
 on the Tons } Gross
 Net
 ster Built at Landskrona By whom built A.B. Öresundsvarvet no 5 When built
 ines made at Stockholm By whom made A.B. de Lavals Ångturbin when made 1919
 lers made at By whom made when made
 istered Horse Power Owners Stockholm Redningsb. Söca Port belonging to Stockholm
 ft Horse Power at Full Power 1100 Is Refrigerating Machinery fitted for cargo purposes Is Electric Light fitted

GINE ENGINES, &c.—Description of Engines 2 de Laval Geared Steam Turbines No. of Turbines Two
 eter of Rotor Shaft Journals, H.P. 110 m L.P. 110 m Diameter of Pinion Shafts First gears 126 m Second gear 212 m
 eter of Journals First gears 16 m Distance between Centres of Bearings Second 1020 m Diameter of Pitch Circle First pinions 135.95 m Second pinions 238.14 m
 eter of Wheel Shafts First gears 150 m Distance between Centres of Bearings First gears 360 m Diameter of Pitch Circle of Wheel First gears 1034.61 m Second gears 1579.68 m
 h of Face First gears 180 m Diameter of Thrust Shaft under Collars 218 m and abast of collar 260 m Diameter of Tunnel Shaft as per rule
 Second gears 300 m (but the thrust does not transmit any twisting moment, being placed ahead of main gear wheel)
 of Screw Shafts Diameter of same as fitted Diameter of Propeller Pitch of Propeller
 of Blades State whether Moveable Total Surface Diameter of Rotor Drum, H.P. 765 m L.P. 950 m Astern 850 m
 eness at Bottom of Groove, H.P. L.P. Astern Revs. per Minute at Full Power, Turbine 3600 Propeller 75

Particulars of Blading.

H.P.				L.P.			ASTERN.		
EXPANSION	HEIGHT OF BLADES.	DIAMETER AT TIP.	NO. OF ROWS.	HEIGHT OF BLADES.	DIAMETER AT TIP.	NO. OF ROWS.	HEIGHT OF BLADES.	DIAMETER AT TIP.	NO. OF ROWS.
17 to 22 m	487 m	1	30 m	980 m	1	17 to 22 m	872 m	1	
45 to 50 "	815 "	1	50 "	1000 "	1	45 to 50 "	900 "	1	
21 "	786 "	1	76 "	1025 "	1	33 to 39 "	889 "	1	
30 "	795 "	1	110 "	1060 "	1	69 to 75 "	925 "	1	
30 "	795 "	1	150 "	1100 "	1				
21 "	786 "	1							
30 "	795 "	1							

nd size of Feed pumps
 nd size of Bilge pumps
 nd size of Bilge suction in Engine Room
 In Holds, &c.
 Bilge Injections sizes Connected to condenser, or to circulating pump Is a separate Donkey Suction fitted in Engine Room & size
 l the bilge suction pipes fitted with roses Are the roses in Engine room always accessible
 l connections with the sea direct on the skin of the ship Are they Valves or Cocks
 ey fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Are the Discharge Pipes above or below the deep water line
 ey each fitted with a Discharge Valve always accessible on the plating of the vessel Are the Blow Off Cocks fitted with a spigot and brass covering plate
 pipes are carried through the bunkers How are they protected
 Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times
 Bilge Suction Pipes, Cocks, and Valves arranged so as to prevent any communication between the sea and the bilges
 Screw Shaft Tunnel watertight Is it fitted with a watertight door worked from

ERS, &c.—(Letter for record) Manufacturers of Steel
 Heating Surface of Boilers Is Forced Draft fitted No. and Description of Boilers
 Working Pressure Tested by hydraulic pressure to Date of test No. of Certificate
 each boiler be worked separately Area of fire grate in each boiler No. and Description of Safety Valves to
 boiler Area of each valve Pressure to which they are adjusted Are they fitted with easing gear
 leest distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers Length Material of shell plates
 kness Range of tensile strength Are the shell plates welded or flanged Descrip. of riveting: cir. seams
 seams Diameter of rivet holes in long. seams Pitch of rivets Lap of plates or width of butt straps
 centages of strength of longitudinal joint Working pressure of shell by rules Size of manhole in shell
 of compensating ring No. and Description of Furnaces in each Boiler Material Outside diameter
 th of plain part top Thickness of plates crown Description of longitudinal joint No. of strengthening rings
 bottom
 king pressure of furnace by the rules Combustion chamber plates: Material Thickness: Sides Back Top Bottom
 h of stays to ditto: Sides Back Top If stays are fitted with nuts or riveted heads Working pressure by rules
 erial of stays Diameter at smallest part Area supported by each stay Working pressure by rules End plates in steam space
 erial Thickness Pitch of stays How are stays secured Working pressure by rules Material of stays
 eter at smallest part Area supported by each stay Working pressure by rules Material of Front plates at bottom
 kness Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules
 eter of tubes Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays
 h across wide water spaces Working pressures by rules Girders to Chamber tops: Material Depth and
 ness of girder at centre Length as per rule Distance apart Number and pitch of stays in each
 king pressure by rules Steam dome: description of joint to shell % of strength of joint Diameter
 kness of shell plates Material Description of longitudinal joint Diameter of rivet holes Pitch of rivets
 king pressure of shell by rules Crown plates: Thickness How stayed

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