

# REPORT ON STEAM RECIPROCATING ENGINE MACHINERY.

Received at London Office 20 APR 1943

of writing Report Oct. 8th 1942 When handed in at Local Office Oct. 8th 1942 Port of MONTREAL, QUE.

in Survey held at MONTREAL, QUE. Date, First Survey 15th June Last Survey 13th September 1942

g. Book. on the steel single screw steamer "ROCKWOOD PARK" Saint John: 1st survey July 20, 1942; last survey Feb. 20, 1943. (Number of Visits 27) Gross 2877 Tons Net 1655

ilt at Saint John, N.B. By whom built St. John Shipbuilding & Dry Dock Co. Ltd. Yard No. 14 When built 1942

gines made at Lachine, Montreal, P.Q. By whom made DOMINION BRIDGE COMPANY LTD. Engine No. 2001 When made 1942

ilers made at Lachine, Montreal, P.Q. By whom made DOMINION BRIDGE COMPANY LTD. Boiler No. B1042 P1 When made 1942

gistered Horse Power H.M. the King, in right of Canada, Owners represented by the Minister of Munitions and Supply, Ottawa. Port belonging to MONTREAL

m. Horse Power as per Rule 268.81 269 Is Refrigerating Machinery fitted for cargo purposes No Is Electric Light fitted Yes

ude for which Vessel is intended Ocean going -

GINES, &c.—Description of Engines Triple Expansion 3 Cylinder Revs. per minute 72

of Cylinders 20" 31" 55" Length of Stroke 39" No. of Cylinders 3 No. of Cranks 3

ink shaft, dia. of journals as per Rule 10.99" as fitted 11.25" Crank pin dia. 11.25" Mid. length breadth 16.25" Thickness parallel to axis 6.875"

Intermediate Shafts, diameter as per Rule 10.47 as fitted 10.75 Mid. length thickness 6.875" shrunk Thickness around eye-hole 4.75"

Thrust shaft, diameter at collars as per Rule 10.99" as fitted 11.25"

oe Shafts, diameter as per Rule - as fitted - Screw Shaft, diameter as per Rule 11.78" as fitted 12.25" Is the screw shaft fitted with a continuous liner Yes

onze Liners, thickness in way of bushes as per Rule .657" as fitted .6875" Thickness between bushes as per Rule .493" as fitted .53125" Is the after end of the liner made watertight in the veller boss Yes

If the liner is more than one length, are the joints made by joining through the web thickness of the liner

Is the space between the bearings in the stern tube, is the space charged with a plastic material insoluble in water and non corrosive

Is the shaft tapered or protected between the liners

Is an approved Oil Guard or other appliance fitted at the after end of the shaft

If so, state type

Length of Bearing in Stern Bush next to and supporting propeller 51-3/8"

peller, dia. 15.75" Pitch 14.0" No. of Blades 4 Material Bronze whether Moveable No Total Developed Surface 75 sq. ft.

l Pumps worked from the Main Engines, No. 2 Diameter 3" Stroke 26" Can one be overhauled while the other is at work Yes

e Pumps worked from the Main Engines, No. 2 Diameter 4.25" Stroke 26" Can one be overhauled while the other is at work Yes

ed (No. and size 1. 8" - 6" - 15" Pumps connected to the Main Bilge Line No. and size 1. 10" - 12" - 10" How driven Steam

ost Pumps, No. and size 1. 10" - 12" - 10" Lubricating Oil Pumps, including Spare Pump, No. and size -

two independent means arranged for circulating water through the Oil Cooler - Suctions, connected to both Main Bilge Pumps and Auxiliary

Pumps;—In Engine and Boiler Room 2 - 3" - 26" 1. 10" - 12" - 10"

ump Room In Holds, &c.

Water Circulating Pump Direct Bilge Suctions, No. and size 1. 6" Independent Power Pump Direct Suctions to the Engine Room Bilges, and size 2 - 4" Are all the Bilge Suction Pipes in holds and tunnel well fitted with strum-boxes Yes

he Bilge Suctions in the Machinery Space led from easily accessible mud-boxes, placed above the level of the working floor, with straight tail pipes to the bilges Yes

ll Sea Connections fitted direct on the skin of the ship Yes Are they fitted with Valves or Cocks Valves and cocks

hey fixed sufficiently high on the ship's side to be seen without lifting the stokehold plates Yes Are the Overboard Discharges above or below the deep water line Ballast & bilge above

hey 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

Pipes pass through the bunkers No. 3 air pipe & No. 4 filling & air pipes How are they protected Sheet metal covers

pipes pass through the deep tanks Have they been tested as per Rule -

ll Pipes, Cocks, Valves, and Pumps in connection with the machinery and all boiler mountings accessible at all times Yes

arrangement of Valves and their connections such as to prevent the possibility of water passing from the sea or from water tanks into the cargo or machinery spaces, or from one rtment to another No Is the Shaft Tunnel watertight Yes Is it fitted with a watertight door No worked from -

IN BOILERS, &c.—(Letter for record S) Total Heating Surface of Boilers 3854 Square Feet

h Boilers are fitted with Forced Draft Port & Starboard Which Boilers are fitted with Superheaters Port & Starboard

nd Description of Boilers 2 Multitubular Scotch Boilers Working Pressure 200 lbs. per square inch

1 REPORT ON MAIN BOILERS NOW FORWARDED? Yes

1 DONKEY BOILER FITTED? No If so, is a report now forwarded? -

he donkey boiler be used for domestic purposes only Approved Approved

4NS. Are approved plans forwarded herewith for Shafting London Main Boilers New York Auxiliary Boilers - Donkey Boilers -

(If not state date of approval)

eaters General Pumping Arrangements Oil fuel Burning Piping Arrangements

## SPARE GEAR.

he spare gear required by the Rules been supplied Yes

he principal additional spare gear supplied Main Condenser: 25 tubes, 50 ferrules, 100 pieces of condenser tube pack-one tap for tube plate, 1 die for condenser ferrules, 1 guide pin for packing, 1 packing extrac-one ferrule driver, one tube driver. Main Engines: 3 sets of wearing segments of King tandem-king for H.P., I.P., and L.P. valve spindles. Boilers: 10 plain boiler tubes, 2 stay tubes, 2 of- dead plates, bearer plates and bridge plates, 2 safety valve springs, 1 pressure gauge, 1 tube-ander. Forced Draught: 3 baffle plates, 1 furnace door complete, 2 ash pit doors complete, 4- valves complete, 14 retarders. Superheaters: 2 header drain valves, 96 flexible unit gaskets, et of tools. Telemotor: 1 box containing assorted valve springs, packing rings, copper joints; ets of S.E. A. ring packing, 1 set of tools. Steering Engine: 1 set of brasses for main bearing, om end and crosshead, 2 piston rings; 1 buffer complete with spring, 1 set of piston rod and valve-ngle packing.

The foregoing is a correct description

DOMINION BRIDGE CO. LIMITED

R. H. Findlay, Mechanical Engineer

Manufacturer.



Lloyd's Register Foundation



