

REC'D NEW YORK July 16 - 1920

Rpt. 4.

REPORT ON MACHINERY

No. 139

Jul No. 1807

Received at London Office

WED. AUG. 4 1920

Date of writing Report Oct 25 1919 When handed in at Local Office Oct 28 1919 Port of TORONTO

No. in Survey held at GALT, ONT. Date First Survey MCH. 18. 1919 Last Survey July 3. 19. 20 1919

Reg. Book. 31867 on the S.S. No. 6 (TIDEWATER SHIPBUILDERS) "CANADIAN TRAPPER" DANIE No 459. (Number of Visits 16 May 13 Gross 3599 Tons Net 2183)

Master J. S. Faulkner Built at THREE RIVERS By whom built TIDEWATER SHIPBUILDERS When built 1919

Engines made at GALT, ONT. By whom made GOLDIE & McCULLOCH CO LTD when made 1919

Boilers made at Montréal By whom made Dominion Bridge Co. Ltd when made 1919

Registered Horse Power 226.5 Owners Canadian Govt Merchant Marine Port belonging to Montréal

Nom. Horse Power as per Section 28 470 Is Refrigerating Machinery fitted for cargo purposes No. Is Electric Light fitted YES.

ENGINES, &c.—Description of Engines INVERTED TRIPLE EXPANSION No. of Cylinders 3 No. of Cranks 3

Dia. of Cylinders 25. 41. 68 Length of Stroke 45 Revs. per minute _____ Dia. of Screw shaft as per rule 13.76 Material of O.H.S. as fitted 14.00 screw shaft)

Is the screw shaft fitted with a continuous liner the whole length of the stern tube YES 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 5-5

Dia. of Tunnel shaft as per rule 12.4 Dia. of Crank shaft journals as per rule 13.03 Dia. of Crank pin 13.25 Size of Crank webs 25.5 x 8.75 Dia. of thrust shaft under collars 13.25 Dia. of screw 16-6 Pitch of Screw 15.9" No. of Blades 4 State whether moccable No Total surface 845

No. of Feed pumps 2 Diameter of ditto 3.5 Stroke 24 Can one be overhauled while the other is at work YES

No. of Bilge pumps 2 Diameter of ditto 3.5 Stroke 24 Can one be overhauled while the other is at work YES

No. of Donkey Engines 3 Sizes of Pumps and fuel 2-9 1/2" x 18" BALLAST No. and size of Suctions connected to both Bilge and Donkey pumps

In Engine Room 4-3" 1-3 1/2" In Holds, &c. BALLAST. Fore Peak. 1-3 1/2" No. 1 tank. 1-4" No. 2 tank. 3-4" No. 3 tank. 2-3 1/2" No. 4 tank. 3-4" No. 5. Tank. 1-3 1/2" Aft Peak. 1-3 1/2" BILGES. No. 1. Tank. 2-3" No. 2. Tank. 2-5" Number 2-3" No. 3-25" No. 4. 1-4" Tunnel wall 1-3"

No. of Bilge Injections 1 sizes 8" Connected to condensers, or to circulating pump Yes Is a separate Donkey Suction fitted in Engine room & size Yes 1-7"

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

Is the Screw Shaft Tunnel watertight Yes Is it fitted with a watertight door Yes worked from Main Deck level

BOILERS, &c.—(Letter for record S) Manufacturers of Steel

Total Heating Surface of Boilers 7275 Is Forced Draft fitted YES No. and Description of Boilers 3 S B. 3 CYLINDRICAL MULTITUBULAR.

Working Pressure 180 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 _____ Are they fitted with easing gear _____

Smallest distance between boilers or uptakes and bunkers or woodwork _____ 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 _____ Material _____ Outside diameter _____

Length of plain part top _____ Thickness of plates crown _____ 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 _____

Material of stays _____ Area at smallest part _____ Area supported by each stay _____ Working pressure by rules _____ End plates in steam space: _____

Material _____ Thickness _____ Pitch of stays _____ How are stays secured _____ Working pressure by rules _____ Material of stays _____

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 space _____ 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 _____

Diameter of Safety Valve _____ Pressure to which each is adjusted _____ Is Easing Gear fitted _____

If not, state whether, and when, one will be sent

Is a Report also sent on the Hull of the Ship?

014935-014945-0171



