Rpt. 1.

W/5636

STEEL STEAMER ~~or MOTORSHIP~~.

Received at London Office

State if Report has been sent on the Freeboard of the Vessel Yes

State if Report is sent on the Machinery of the Vessel Yes

Date of completion of report 12th April, 1943 Port of Vancouver, B. C. No. 5900

Survey held at Victoria, B. C. Date First Survey 12th Oct., 1942 Last Survey 31st March, 1943

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Steel Single Screw Steamer "FORT WRIGLEY"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) C.S.S. with T.O. closed State Type of Erections ——

TONNAGE under Tonnage Deck 6703.11

Do. of space or spaces between Tonnage Dk. and Upper Dk. ——

Total ——

Gross Tonnage 7128.00

Register Tonnage 4250.28

REGISTERED DIMENSIONS. FEET.

Length 424.6

Breadth 57.2

Depth 34.9

CLASS *100 A1 with Freeboard corresponding to a Summer Mld. Dft. of 26'-10" — State if with freeboard condition of Class: Yes

FEET.

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) — L 416.00

Breadth (greatest moulded) — B 56.88

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) — D 37.33

Depth to 2nd Deck - 28.58'

1st Longitudinal Number (L × D) = 15529

2nd Numeral L × (B + D) = 39191

Framing Depth "d," at middle of length. See Sec. 3 (1d) — 25.08

Proportions—Depth to Length — Uppermost continuous deck to top of keel — 11.14

Do. Long Bridge to top of keel — ——

Draught Moulded — 26.86'

Built at Victoria, B.C.

Launched 3rd Feb., 1943 Yard No. 26

Builders Messrs. Victoria Machinery Depot Co. Ltd.

Owners Minister of Munitions & Supply of Canada.

Managers George Nisbet & Co., (Where necessary to be entered in Reg. Book.)

Residence Glasgow.

Port of Registry

If surveyed while building, afloat, or in dry dock Building and Afloat.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Inches in Ship.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	30	
" " from 3/5 length amidships to Collision bulkhead	27	
" " in peaks	24	
SIDE FRAMING. Frame Amidships, ~~Angle,~~ [~~or [~~	12x4x4x.47	
" " Extends up to	2nd Deck	
Reversed Frame Amidships, Angle	- - -	
" " Extends up to	- - -	
Depth of Framing Girder	12	
Frames in Uppermost Continuous 'tween Decks, Angle ~~[or [~~	6 3½ .50	
" " **Second 'tween Decks,** Angle [or [	- - -	
No.1 Hold(Frs.135-162) [	15x4x4x.625	
" " ~~Third~~ " " " "	- - -	
No.2 Hold(Frs.106-135) [	12x4x4x.625	
" from ½ len. for'd. to 15% len. from Stem	- - -	
" **in Peaks,** ~~Angle or [~~	8 3½ .34	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	⅞ At 6½Dias.	
State if Frame Joggled	No	
Are the scantlings and arrangements in the **Panting Area** in accordance with the Rules and/or as approved?	Yes	
Are the scantlings and arrangements in way of the **Bottom Forward** in accordance with the Rules and/or as approved?	Yes	
SINGLE BOTTOM. Floors, Depth and thickness at mid-line in Holds		
Height of Brackets at side above base line at toe of frame		
Middle Line Keelson, on Floors, Angles, [or [		
" " " Through Plate or Intercoastal Plate		
" " " Foundation Plate on Floors		
" " " Flat Plate Keel Angles		
Side Keelsons, No. each side		
" " thickness of Intercostal Plate		
" " Angles		
DOUBLE BOTTOM. Solid Floors, thickness and spacing	.36"At 30"	
" " Are Frame and Reversed Frame joggled?	Yes	
Bracket Floors, breadth and thickness at middle line	- - -	
" " breadth and thickness at margin plate	- - -	

	Inches in Ship.	Any Departure from Approved Plans to be Noted.
Bracket Floors, Frame	- - -	
" " Reversed Frame	- - -	
" " Vertical Struts	- - -	
Centre Girder, depth and thickness amidships	43½ x .56	
" " top Angles	3½ 3½ .44	
" " bottom Angles	4 4 .50	
Side Girders, No. each side and thickness	One (BA.s. Top & Bottom	
	6 3½ .44	
Margin Plate depth (excl. of flange) and thickness	40½ x .54"	
" " ~~Vertical Angle~~ to Tank side Bracket abaft ¼ len. from stem	Welded to Tank side Brackets	
" " ~~Vertical Angle~~ to Tank side Bracket from forward ¼ len. from stem to Panting Area		
" " Gussets, spacing and scantling abaft ~~¼ len. from stem~~ Frame 144.	10½x.40"(FL 2") Continuous	
" " Gussets, spacing and scantling ~~from~~ forward ~~¼ len.~~ from ~~stem to Panting Area~~ Fr.144 to F.P. Bhd.	17"x.40"(FL 2") Continuous	
Tank Side Brackets, height above base line at toe of Frame and thickness	104¼ x .45	
INNER BOTTOM PLATING. Breadth and thickness of Middle Line Strake	84 x .48	
Thickness of remainder in Holds	.44	
Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	Yes	
BEAMS. Uppermost Continuous Deck, amidships ~~in Wells, Angle [or [~~	8 3½ .46"	
" " in way of Bridge, Angle, [or [	- - -	
Spacing	Every Frame	
Second Deck, amidships, ~~Angle,~~ [or [	9x3½x.38 12x4x4x.47	
Spacing	Every Frame	
Third Deck, amidships, Angle, [or [		
Spacing		
Fourth Deck, amidships, Angle, [or [		
Spacing		
Poop Deck, Angle, [or [		
Spacing		
Bridge Deck, Angle, [or [		
Spacing		
Forecastle Deck, Angle, [or [		
Spacing		

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PILLARS AND DECKS.

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows ... One - in tween decks only.				
" in 'tween Decks, Size and Spacing ...	6	6	5/8 on alt. frs.	
" " " " "	-	-	-	
" in Holds " "	-	-	-	
" " " " "	-	-	-	
Centre Line Bulkhead. in Holds Stiffeners and Spacing ...	12x3½x3½x.45 on alt. frs.			
Plating, thickness of ...		.30		
STRINGERS AND DECKS. **Uppermost Continuous Deck.** Stringer Plate, breadth and thickness ~~in Wells~~	61	x	.64	
" " " " in way of Bridge	-	-	-	
" " E.W. to Sheerstrake ~~Angle in Wells~~				
Thickness of Plating abreast Deck openings ~~in way of Wells~~		.55		
Thickness of Plating abreast Deck openings in way of Bridge	-	-	-	
Thickness of Plating within line of openings..		.40		
If Sheathed, material and thickness	-	-	-	
Second Deck. Stringer Plate, breadth and thickness ~~in Wells~~	50"	x	.43"	

	Inches in Ship.			Any Departure from Approved Plans to be Noted.
Stringer Plate, breadth and thickness in way of Bridge	-	-	-	
Thickness of Plating abreast Deck openings ~~in way of Wells~~		.35		
Thickness of Plating abreast Deck openings in way of Bridge	-	-	-	
Thickness of Plating within line of openings..		.34		
If Sheathed, material and thickness				
Third Deck. Stringer Plate, breadth and thickness				
If Plated, state thickness				
Fourth Deck. Stringer Plate, breadth and thickness				
If plated, state thickness				
Poop Deck. Stringer Plate, breadth and thickness				
Plating, Sheathing, material and thickness				
Bridge Deck. Stringer Plate, breadth and thickness				
Plating, Sheathing, material and thickness				
Forecastle Deck. Stringer Plate, breadth and thickness				
Plating, Sheathing, material and thickness				

SHELL PLATING.

SCANTLINGS.

STRAKES.	As in Vessel. Amidships. Breadth. Inches.	Amidships. Thickness. Inches.	Forward. Thickness. Inches.	Aft. Thickness. Inches.	Any Departure from Approved Plans to be Noted.
Flat Plate Keel	52	.78	.68	.68	
" Dblg. (if any)	-	-	-	-	
Bottom Plating, No. of Strakes Four	-	.61	.56	.52	
Bilge Plating, No. of Strakes One	-	.61	.56	.49	
Side Plating, No. of Strakes Three	-	.61	.56	.48	
Upper Deck, Sheer-strake ~~in Wells~~	84	.70	.50	.50	
Upper Deck, Sheer-strake in Bridge	-	-	-	-	
Strake below Sheer-strake ~~in Wells~~	78	.61	.50	.48	
Strake below Sheer-strake in Bridge					
Poop Side Plating					
Bridge Side Plating					
Forec'tle Side Plating					

RIVETING.

Edges. State if joggled? No. Single or Double.	Rivets. Diam. Inches.	Rivets. Spacing. cr. to cr. Inches.	Butts. No. of Rows of Rivets	Butts. Rivets. Diam. Inches.	Butts. Rivets. Spacing. cr. to cr. Inches.	Butts. Strapped or Lapped.
Double	7/8	3.3"	Butts Welded			
-	-	-	-	-	-	-
Double	7/8	3.3"	Butts Welded			
-	-	-	-	-	-	-
Double	7/8	3.3"	Butts Welded			

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) (One) (1) (Coll. on Fr.162)

" Deck next below Seven(7) (Fr.Nos.12,40,58, 66,93,106&135)

In Tween Decks Six divisional W.T. Bhds. (Frs.19, 40,66,93,106 & 135)

As per Rule Seven(7)

	Plating Thickness. Ins.	Stiffeners. Vertical. Scantlings. Ins.	Stiffeners. Vertical. Spacing. Ins.	Stiffeners. Horizontal. Scantlings.	Stiffeners. Horizontal. Spacing.
MIDSHIP BULKH'D. (Fr.93) Upper tween decks	.26	6x3½x.38	30	-	-
" " Second "	-	-	-	-	-
" " Third "	-	-	-	-	-
" " Holds	.26/.39	12x3½x3½x⅜	30	-	-
COLLISION " (in Hold) (Fr.162)	.33/.50	7x3x.36	24	3 Stgrs.	6'-0"
AFTER PEAK " " (Fr.12)	.30/.35	7x3x.38	24	2 "	6'-6"

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings. Ins.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL ~~Bar~~	Flat Plate	-	-	
STEM Upper	M.S. Fashion Plate			
(Lower-Rolled Bar	10"x2½"	(Algoma Steel Prod. Co. Ltd.)		
STERN FRAME Propeller Post	C.S.	(Appd.-Ver. Eng. Wks.		
~~Rudder~~ "	-	-	-	
Speed of Vessel	Not exceeding 12 knots			
RUDDER—Type	Semi-Balanced Streamlined			
" A × D	282	-	-	
" Diam. of head	-	9½Dia.		
" Mainpiece at top pintle	-	12Dia.		
" " heel	-	9½Dia.		
" how constructed	Built, Rivd & E.W.			
" double or single plate	Double			
" coupling, vertical or horizontal	Horizontal			

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Hearth

Steel Company of Canada, Algoma Steel Products Co., Alan Wood Steel Co., Manitoba Rolling Mills, Phoenix Iron Works, Bethlehem Steel Co., and Carnegie-Illinois Steel Corp.

Has the Steel been tested as required by the Rules? Yes

EQUIPMENT No. 39800 LETTER a ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex. Stock. Cwts. qrs. lbs.	Weight of Stock. Cwts.	Qrs.	Lbs.	Test, per Certificate. Tons.	Cwts.	Qrs.	Lbs.	Weight Required by Table 53. Cwts.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
F.4188	1st Bower	7480 lbs.	✓	✓	✓	✓	✓	✓	✓	68.0	C.S. Baldt Type Stockless	Vulcan Iron Works Ld. Winnipeg Manitoba	Winnipeg, 21/10/42, J.F. Hand
F.4187	2nd "	7480 lbs.	✓	✓	✓	✓	✓	✓	✓	68.0	C.S. Baldt Type Stockless		
	3rd "												
	Collective Weight	15650 lbs.								136.0		Vulcan Iron Works Ld. Winnipeg Manitoba	Winnipeg, 21/10/42, J.F. Hand.
F.4192	Stream	2755 lbs.	✓	✓	✓	✓	✓	✓	✓	23¾	C.S. Baldt Type Stockless		

CHAIN CABLES.

Number of Certificate.	Length and size supplied. Length. Fathoms	Diam. Ins.	Test per Certificate. Statutory. Tons	Breaking. Tons	Weight of Chain Cable. Supplied. Cwts. qrs. lbs.	Per Rule. Cwts.	Length and Size per Table 53. Length. Fathoms.	Diam. Ins.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
1616-A	180	2 5/16	1509	2046	5602 lbs.		225	2 5/16	C.S. Stud Link	National Malleable & Steel Castings, Sharon PA	Sharon, PA. 8/1/43, A.T. Gross
Iron Stream ~~Chain or~~ Steel Wire	90	Cir. 5"	-	Tons 60.5 (4½)	✓	✓	90	Cir. 5"	G.E. S.W.R.	British Rope Canadian Factory Ld.	

HAWSERS AND WARPS.

Material.	Length and Size supplied. Length. Fathoms.	Cir. Ins.	Breaking Test of Steel Wire. Tons.	Length and Size per Table 53. Length. Fathoms.	Cir. Ins.
Towline	120	4¾	77.6	120	4¾
Hawsers & Warps	2@90	2¾	18.20	2@90	2¾
"	2@90	2½	15.30	2@90	2½
"					

Steering Gear, Type (Power or hand) Steam with telemotor control (Efficient arrangement of blocks and tackle led to after warping winch.) (Alternative Means of Steering)

Steering Chains (Size and Test) - - - - - - - - - - - **Windlass** Steam - 11" x 13" **Boats** (2@20'x6.75'x2.60' 1@26'x8.00'x3.25' 1@28'x8.60'x3.75' (Motor))

Ceiling in Holds, thickness and material 2½" thk. B.C. Fir **Cargo Battens,** thickness, material and spacing (2" thk. B.C. Fir 9" Clear)

Cargo Hatchways.—(Upper Deck) Strong steel plates and angles **Thickness of Hatches** 3" thk. B.C. Fir

Size of Hatchways **No. 1** (Fwd.) 33'9"x20' **No. 2** 35'x20' **No. 3** 15'x20' **No. 4** 35'x20' **No. 5** 35'x20' x Bkr. ~~No. 6~~ 7'-11"x20'

Number of **Shifting Beams** ~~and/or Fore and Afters~~ Nos. 1, 2, 4 and 5 -- each 5. No.3 - 2. x Bkr. - 1.

VICTORIA MACHINERY DEPOT CO., LTD.

Builder's Signature per J. Kanne Shipyard Manager.

GENERAL DECLARATION. *It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel* No *(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo* No *The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).*

This ship has been constructed in accordance with the approved plans, instructions and printed Rules of the Society. The materials and workmanship are of good quality. The double bottom, peaks, deep and fresh water tanks, decks, bulkheads, tunnels, watertight doors, steering gear, hand pumps and windlass have been tested and found satisfactory. The freeboards assigned by the Committee have been marked on the ship's sides and verified. The equipment of anchors and chain cables is in accordance with the War Emergency Reduction of Equipment requirements. Regarding the anchors all the requirements of Sections 12 and 13 of the Rules for Quality and Testing of materials have been carried out except the Statutory Tests of Section 12 for which tensile tests on the materials of each head and shank were substituted, (28 tons per sq. inch minimum, with the usual extension). It is recommended that a suitable Notation be entered on the First Entry Certificate because of these departures from the Rules. The ship has also been surveyed during construction on behalf of the Minister of Munitions & Supply of Canada in accordance with the Hull Specification requirements which have been carried out to our satisfaction.

The amount of Entry Fee ..... £ $ 50.00

Special Survey Fee ..... £ $ 2145.00

Freeboard $ 100.00

Travelling Expense, if any £ $ 100.00

Owner's Rep. $ 1000.00

Fees applied for, 6th April 1943

Received by me, 19

State whether the Vessel has been built under Special Survey Yes

Certificate to be sent to New York. Date of issue 8/7/43.

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed *100 A1 with Freeboard, subject to 45 fathoms 2-5/16" diameter stud link chain cable being supplied at the earliest opportunity.

Signature D.S. Forsyth

Surveyor to Lloyd's Register of Shipping.

The Surveyors are requested not to write on or below the Committee's Minutes.

FRI. 2 JUL 1943

Committee's Minute

Character assigned +100A1 with Freeboard subject +LMC 3.43; 30.C.S.

Write Tfo.

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GENERAL REMARKS—*(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)*

This ship is the seventh of this type to be built by Victoria Machinery Depot Co. Ltd., and is a sistership to their Yard No.20 - S.S. "FORT CAMOSUN" (Vancouver Report No.5760)

Blue print of plan of Midship Section forwarded herewith.

Interim Certificate issued - copy attached.
Immersed main ship's side openings Certificate issued - Copy attached.
A copy of each of the following Certificates attached hereto.

Certificate No. F-5325 for cast steel stern frame.
Certificate No. F-5940 for rudder.
Certificate No. F-5726 for steam steering engine, quadrant and tiller.
Certificate No. F-4354 for windlass.
Certificate Nos. F-3422, F-1498, F-5586, F-5585, F-1497, F-3408, F-5587, F-5588, F-3276, F-1656 & F-3621 for winches.
Certificate Nos. F-4188, F-4187 & F-4192 for anchors.

There are six divisional bulkheads in the tween decks, all watertight having the tonnage openings closed with rivetted plates except on bulkhead No.93 (between tween deck coal bunker and No.3 tween decks) which has steel hinging W.T. doors.

PARTICULARS OF ELECTRIC WELDING *(if employed)*. All connections to double bottom tanks' margin plates, watertight floors and gusset plates; 2nd deck stringer closing plates all welded; plate butts of shell plating, tank top (part), tunnel, 2nd and upper decks, centre girder and hatch side girders; hold bhds. and tunnels' sides to tank top plating; other items of minor importance; Electrodes, complying with Section 4, paras. 1 - 9 of the Rules have been employed for manual welding and the Rules for the Application of Electric Arc Welding to Ship Construction have been complied with where applicable. Also Upper deck stringer plate to upper deck sheerstrake. Fore peak bulkhead, After peak bulkhead, and various deckhouses of welded construction.

SPECIAL NOTATIONS:—*Either as part of the vessel's class or for record in the Register Book.* Cruiser stern; Direction Finder; Echo Sounder; Wireless.

7780
6
46680

Particulars of **Drop Test** of Cast Steel Anchors, viz:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.				
1st Bower	5650 lbs.	J.F.H.	F-4188	19-10-42
2nd "	5590 lbs.	J.F.H.	F-4187	19-10-42
~~3rd~~ Stream	2010 lbs.	J.F.H.	F-4192	19-10-42

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop -- ft., R.Q.D. -- ft., Bridge -- ft., Forecastle -- ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated - - - - - - - - - - - - - - - - -

Official No. ..... Signal Letters ..... Extreme Breadth over Belting (Circ. 1611) No belting Over-all Length (Circ. 1703) 441.5'

No. and Material of Decks Two (2) steel.

Parts of Bottom of Vessel coated with cement or approved composition Double bottom tanks Nos. 5 & 6, and parts Nos. 4 & 7 adjacent to machinery spaces and peaks cemented on bottom shell, double bottom tanks Nos. 1,2,3, part 7, and 8 fitted with efficient cement fillets at bottom shell landing edges, steel work elsewhere cement washed. Steel work in bilges cement washed throughout.

~~Particulars of composition (if fitted) and of approval~~

PARTICULARS OF WATER BALLAST:— (*Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.*)

Where Fitted.		Length. Feet.	Water Capacity. Tons.	Where Fitted.		Length. Feet.	Water Capacity. Tons.
Double bottom, aft, Nos. 7 and 8	S.W.	135.0	306.	Fore peak tank,	S.W.	22.	145.
Double bottom, under Engines and Boilers,		--	--	After peak tank,	S.W.	24.	160.
Double bottom, if under Engines only, No.6	S.W.	25.0	106.	Deep tank, ~~aft~~, Port	S.W.	20.	390.
Double bottom, if under Boilers only, No.5(dry)	S.W.	20.0	89.	Deep tank, ~~forward~~, Star'd.	S.W.	20.	375.
Double bottom, forward Nos.1,2,3,&4	S.W.	188.25	648.	Other tanks, if fitted,			
Total length (if continuous) and Capacity	S.W.	368.25	1149.	(If necessary, furnish further information by sketch.)			

Order for Special Survey No. 55

Date 24-11-41

Dates of Surveys held while building

1942.- Oct. 12,15,26,27,30. Nov. 7,9,13,17,19,21,25,28.
Dec. 1,3,5,7,8,11,12,14,16,17,18,19,21,22,24,28,29,30,31.
1943.- Jan. 4,5,6,7,8,9,12,14,16,18,20,23,27,28,29,31.
Feb. 1,2,3,4,6,9,10,11,12,13,15,16,17,19,20,22,23,25,27.
Mar. 1,2,3,5,6,8,10,11,13,15,16,17,18,20,22,23,24, 25,27,29,30,31. Total No. of Visits 89

For S.S. O.F. see "Fort Hamilton" (Vct 5850)

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