

Rpt. 1.

RECEIVED

19 AUG 1943

IN D.O.

STEEL STEAMER or MOTORSHIP

Received at London Office

18 AUG 1943

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 10th June, 1943 Port of Vancouver, B. C. No. 5921

Survey held at North Vancouver, B. C. Date First Survey 18th February, 1943 Last Survey 28th May, 1943

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

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

TONNAGE under 6701.27
Tonnage Deck....Do. of space or spaces
between Tonnage Dk.
and Upper Dk. ---

Total ---

Gross Tonnage 7127.58

Register Tonnage 4246.28

CLASS *100 A1 with Freeboard corresponding to a Summer Mld. Dft. of 26'-10"

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 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 of 2nd Deck 28.58

1st Longitudinal Number (L x D) 15529

2nd Numeral L x (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 North Vancouver, B. C.

Launched 15th April, 1943 and No. 124

Builders North Van Ship Repairs, Ltd.,

Owners Minister of Munitions & Supply of Canada.

Managers Larrinaga Steamship Co. Ltd.
(Where necessary to be entered in Reg. Book.)

Residence Liverpool.

Port of Registry

If surveyed while building, afloat, or in dry dock

Building and Afloat.

REGISTERED DIMENSIONS.

FEET.

Length 424.6'

Breadth 57.2'

Depth 34.9'

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships.....	30 ✓		Bracket Floors, Frame	- - -	
" " from 3/4 length amidships to Collision bulkhead.....	27 ✓		" " Reversed Frame	- - -	
" " in peaks	24 ✓		" " Vertical Struts	- - -	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 1/2 x .54 ✓	
Frame Amidships, Angle [or]	12x4x4x.47 ✓		" " top Angles	3 1/2 3 1/2 .44 ✓	
" " Extends up to.....	2nd Deck ✓		" " bottom Angles	4 4 .50 ✓	
Reversed Frame Amidships, Angle.....	- - -		" " One	- - -	
" " Extends up to.....	- - -		Side Girders, (No. each side and thickness.....)	6 3 1/2 .44 ✓	
Depth of Framing Girder.....	12 ✓		Margin Plate depth (excl. of flange) and thickness	40 1/2 x .54 ✓	
Frames in Uppermost Continuous 'tween Decks, Angle [or]	6 3 1/2 .50 ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	Welded to Tank side Brackets ✓	
" " Second 'tween Decks, Angle [or]	- - -		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	10 1/2 x .40 (FL 2") ✓	
No.1 Hold (Frs.135-162) ✓	15x4x4x.625 ✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	Continuous ✓	
No.2 Hold (Frs.106-135) ✓	12x4x4x.625 ✓		" " Frame 144 ✓	17" x .40 (FL 2") ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	- - -		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	Continuous ✓	
" " in Peaks, Angle [or]	8 3 1/2 .34 ✓		Fr.144 to F.P. Area	104 1/4 x .45 ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 At 6 1/2 Dias. ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	- - -	
State if Frame Joggled	No ✓		INNER BOTTOM PLATING.	84 x .48 ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes ✓		Breadth and thickness of Middle Line Strake.....	.44 ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes ✓		Thickness of remainder in Holds44 ✓	
SINGLE BOTTOM.			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 ✓	
Floors, Depth and thickness at mid-line in Holds	- - -		BEAMS.		
Height of Brackets at side above base line at toe of frame	- - -		Uppermost Continuous Deck, amidships	8 3 1/2 .46" ✓	
Middle Line Keelson, on Floors, Angles, [or]	- - -		" " in way of Bridge, Angle, [or]	- - -	
" " Through Plate or Intercoastal Plate.....	- - -		Spacing	Every Frame ✓	
" " Foundation Plate on Floors	- - -		Second Deck, amidships, Angle, [or]	9 x 3 1/2 x .38 ✓	
" " Flat Plate Keel Angles	- - -		Spacing	Every Frame ✓	
Side Keelsons, No. each side	- - -		Third Deck, amidships, Angle, [or]	- - -	
" " thickness of Intercoastal Plate.....	- - -		Spacing	- - -	
" " Angles	- - -		Fourth Deck, amidships, Angle, [or]	- - -	
DOUBLE BOTTOM.			Spacing	- - -	
Solid Floors, thickness and spacing36 At 30" ✓		Poop Deck, Angle, [or]	- - -	
" " Are Frame and Reversed Frame joggled?	Yes ✓		Spacing	- - -	
Bracket Floors, breadth and thickness at middle line	- - -		Bridge Deck, Angle, [or]	- - -	
" " breadth and thickness at margin plate	- - -		Spacing	- - -	
			Forecastle Deck, Angle, [or]	- - -	
			Spacing	- - -	

PILLARS AND DECKS.					
	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	One- in tween decks only.	✓	Stringer Plate, breadth and thickness in way of Bridge	- - -	
" in 'tween Decks, Size and Spacing....	{ 6 6 8 on alt. frs.	✓	Thickness of Plating abreast Deck openings } in way of Wale	.35 ✓	
" " " " "	- - -		Thickness of Plating abreast Deck openings } in way of Bridge	- - -	
" in Holds " "	- - -		Thickness of Plating within line of openings..	.34 ✓	
" " " " "	- - -		If Sheathed, material and thickness.....		
Centre Line Bulkhead. in Holds.✓			Third Deck.		
Stiffeners and Spacing.....	{ 12x3½x3 x .45 on alt. frs.	✓	Stringer Plate, breadth and thickness.....		
Plating, thickness of.....	.30		If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wels	61 x .64 ✓		If plated, state thickness.....		
" " " " in way of Bridge	- - -		Poop Deck.		
" " Angle in Wels E.W. to Sheerstrake ✓			Stringer Plate, breadth and thickness.....		
Thickness of Plating abreast Deck openings) in way of Wels55 ✓		Plating, Sheathing, material and thickness.....		
Thickness of Plating abreast Deck openings) in way of Bridge	- - -		Bridge Deck.		
Thickness of Plating within line of openings..	.40 ✓		Stringer Plate, breadth and thickness.....		
If Sheathed, material and thickness	- - -		Plating, Sheathing, material and thickness.....		
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wels	50" x .43" ✓		Stringer Plate, breadth and thickness.....		
			Plating, Sheathing, material and thickness.....		

SCANTLINGS.				RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>No.</i>		BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	RIVETS.		No. of Rows of Rivets	RIVETS.		STRAFFED or LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			Single or Double.	Diam.		Spacing, cr. to cr.	Diam.		Spacing, cr. to cr.
	Inches.	Inches.	Inches.	Inches.				Inches.		Inches.	Inches.		Inches.
FLAT PLATE KEEL	<i>52</i> ✓	<i>.78</i>	<i>.68</i>	<i>.68</i> ✓		<i>Double</i> ✓	<i>7/8</i>	<i>3.3"</i> ✓		<i>Butts Welded</i>			
" DBLG. (if any)	-	-	-	-		-	-	-		-	-		
BOTTOM PLATING, No. of Strakes <i>Four</i>	-	<i>.61</i> ✓	<i>.56</i>	<i>.52</i> ✓	}								
BILGE PLATING, No. of Strakes <i>One</i>	-	<i>.61</i> ✓	<i>.56</i>	<i>.49</i>		<i>Double</i> ✓	<i>7/8</i>	<i>3.3"</i> ✓		<i>Butts Welded</i>			
SIDE PLATING, No. of Strakes <i>Three</i>	-	<i>.61</i> ✓	<i>.56</i>	<i>.48</i> ✓									
UPPER DECK, Sheer-strake <i>in Webs</i>	<i>84</i> ✓	<i>.70</i> ✓	<i>.50</i>	<i>.50</i> ✓									
UPPER DECK, Sheer-strake in Bridge	-	-	-	-		-	-	-		-	-		
STRAKE BELOW Sheer-strake <i>in Webs</i>	<i>78</i> ✓	<i>.61</i> ✓	<i>.50</i>	<i>.48</i> ✓		<i>Double</i> ✓	<i>7/8</i>	<i>3.3"</i> ✓		<i>Butts Welded</i>			
STRAKE BELOW Sheer-strake in Bridge													
POOP SIDE PLATING													
BRIDGE SIDE PLATING													
FORE'C'TLE SIDE PLATING													

For record: 74H (Tall W. Bld. 6, 639 and dk.) 6 divisional W.T. Bds. in "twice deck"
Total No. of W.T. BULKHEADS in Vessel— see page 4 NOT FOR RECORD
 Extending to Upper Deck (Sec. 3) **One (1)** (Coll. on Fr. 162
 " Deck next below **Seven (7)** { Fr. Nos. 240, 58, 66,
 " { 93, 106 & 135 }
 In **Twelve Decks** Six divisional W.T. Blds. (Fr. 1
 As per Rule **Seven (7)** { 240, 66, 93, 106 and 135 }

	Casting or Forging.	Ins.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bm Upper STEM Lower - Rolled		Flat Plate - M. S. Fashion Plate 10"x22" As C. S. appd. - Vcr. Eng. Wks. Co. Ltd.		
STERN FRAME	{ Propeller Post Propeller	C. S. appd. - Vcr. Eng. Wks. - - - -		
Speed of Vessel		Not exceeding 12 knots		
RUDDER—Type		Semi-Balanced Streamlined		
" A X D		282 ✓ - -		
" Diam. of head		- 9½Dia. ✓		
" Mainpiece at top pintle		- 12Dia. ✓		
" " " heel		- 9½Dia. ✓		
" how constructed		Built, Riv ^d & E.W.		
" double or single plate		Double ✓		
" coupling, vertical or horizontal		Horizontal ✓		

EQUIPMENT No. 39800				LETTER <i>af</i>		ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK	WEIGHT OF STOCK.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY SPECIFICATION	Description of Anchor.	Makers.	Where and when tested and Superintendent.
		lbs.	Cwts. qrs. lbs.	Tons. cwts. qrs. lbs.	Cwts.			
<i>F2494</i>	1st Bower.....	<i>4963</i> <i>lbs.</i>			<i>68.0</i> ✓	<i>C.S. BALDT</i>	<i>RIVERSIDE</i>	<i>CALGARY, ALTA.</i>
<i>F2496</i>	2nd ".....	<i>4899</i> <i>lbs.</i>		<i>Ex. 5000 lbs. with 5 ft. shank</i>	<i>68.0</i> ✓	<i>TYPE STOCKLESS</i>	<i>IRON. WKS. 10</i>	<i>APRIL 1943. P.D.M. ARTHUR</i>
	3rd ".....							
	Collective Weight.	<i>15863</i> <i>lbs.</i>			<i>136.0</i>			
<i>F2498</i>	Stream.....	<i>2410</i> <i>lbs.</i>		<i>Ex. 5000 lbs. with 5 ft. shank</i>	<i>23 3/4</i> ✓	<i>C.S. BALDT</i>	<i>RIVERSIDE</i>	<i>CALGARY, ALTA.</i>
						<i>TYPE STOCKLESS</i>	<i>IRON. WKS. 10</i>	<i>APRIL 1943. P.D.M. ARTHUR</i>

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE		Length and Size SPECIFIED		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Dia.	Statury.	Break- ing.	Supplied.	Per Rule.	Length.	Dia.					Length.	Cir.		Length.	Cir.
F4201	180	2 1/2	24	24	41,800 lb	600.	225	2 1/2	H.T. STEEL	ELECTRO WELD	VANCOUVER. B.C.	✓	121 5/8	4 3/4	65.3	120	4 3/4
F4210	30	2 1/2	24	24	6,930 lb	-	-	-	STUD LINK	METAL PRODUCTS	12-5-43. LA HAMPTON	✓	20	2 3/4	15.5	209	2 3/4
A.B.O.F. 38284.J	15 off	2 1/2	24	24	854 lb	-	-	-	C.S. JOINING ANCHOR LINKS	NATIONAL MALLEABLE STEEL CASTINGS	SHARON. PA.	HAWSERS & WARPS	209 1/2	2 3/4	13.3	209	2 3/4
Wire Stream Steel Wire	9 1/2	5"	53.2	53.2	6 x 12 GSWR	-	90	5"	9 G.S.W.R	-	-	✓	-	-	-	-	-

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

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 2 1/2" thk. B.C.Fir Cargo Battens, thickness, material and spacings 1-3/4" thk. B.C.Fir

Cargo Hatchways.—(Upper Deck) Strong steel plates and angles Thickness of Hatches 3" thk. B. C. Fir 9" Clear

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 8'x20'

Number of Shifting Beams Nos. 1, 2, 4 and 5 -- each 5. No. 3 - 2. x Bkr. - 1.

and/or Fore and Afters

NORTH VAN SHIP REPAIRS LIMITED

Builder's Signature [Signature] Assistant 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, 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 material 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, (26 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\$ 50.00.

Owner's Rep. \$ 1000.00

Fees applied for, 31st May 43

Received by me, 19

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

WE ARE of opinion the Vessel should be Classed 100 A1 with Freeboard, subject to 45 fathoms of stud link chain cable of Rule weight and size being supplied at the earliest opportunity.

Signature *R. Munro and H. Gill*

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *NYK* Date of issue *22/10/43*

Committee's Minute

Character assigned *+100A1 with Freeboard subject +LMC 6.43: F.D. C.L.*

write to

Lloyd's Register Foundation

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 24th of this type to be built by North Van Ship Repairs, Ltd., North Vancouver, B. C., and is a sistership of their Yard No. 101, S. S. "FORT ALEXANDRIA", (Vancouver Report No. 5755).

The approved plans have been retained for dealing with sisterships building and to be built.

Blue print of plant of Midship Section is 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.6096 for cast steel stern frame.

Certificate No. F.6748 for rudder.

Certificate No. F6519 for Steering Engine, Quadrant and Tiller.

Certificate No. F-6603 for windlass.

Certificate Nos. F-1352, F-1276, F-6145, F-6122, F-1193, F-1411, F-6079, F-6121, F-1180, F-1181, & F-6679 for winches.

Certificate Nos. F-2497, F-2496, & F-2498 for anchors.

There are six (6) divisional bulkheads in the tween decks, all watertight having the tonnage openings (on port side only) closed with rivetted plates except on bulkhead No.93 (between tween deck coal bunker and No.3 tween decks) which has tonnage openings, 1 port and 1 starboard, with steel hinging watertight doors. On the starboard side, these bulkheads (except No.93) are framed for tonnage openings but the openings are not cut.

PARTICULARS OF ELECTRIC WELDING (if employed) Upper deck stringer plate to sheerstrake; Double bottom tank margin plates to shell, to side frame brackets, to gusset plates and to floors; Hold bulkheads to tank top; Closing plates to 2nd deck stringer plates, to shell and to tween deck frames; Plate butts of shell plating, of double bottom tank top, of centre girder, of 2nd and upper decks, of hatch side girders and of tunnels; 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.

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

Particulars of Drop Test of Cast Steel Anchors, viz:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.		HEAD				SHANK			
		Lbs.				Lbs.			
1st Bower		5750	P.D.M.	F-2497	28-4-43	1933	P.D.M.	F-2497	28-4-43
2nd "		5640	P.D.M.	F-2496	16-4-43	1954	P.D.M.	F-2496	28-4-43
Stream		1830	P.D.M.	F-2498	28-4-43	640	P.D.M.	F-2498	28-4-43
3rd "									

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 No belting Over-all Length 441.5' (Circ. 1611) (Circ. 1703)

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

Parts of Bottom of Vessel coated with cement or approved composition Nos. 5 (B.R.) and 6 (E.R.) D.B. tanks and 3 fr. spaces fwd and aft of them have 2" thk. cement on bottom shell. Remainder of D.B. tanks and bilges fore and aft cement washed throughout.

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	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. 54

Date 4-12-41

Dates of Surveys held while building

1943.
Feb. 18, 20. Mar. 9, 13, 23, 25, 26, 29, 30, 31. Apr. 1, 2, 3, 5, 6, 7, 8, 9, 10, 12, 13
Apr. 15, 16. May 1, 4, 7, 10, 11, 12, 13, 14, 17, 19, 20, 21, 22, 24, 25, 26, 28.

Total No. of Visits 40