

STEEL STEAMER or MOTORSHIP

Received at London Office

7 JUN 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 - Now

Date of completion of report April 16th, 1943 Port of Vancouver, B. C. No. 5902

Survey held at Vancouver, B. C. Date First Survey 22nd Dec., 1942 Last Survey 6th April, 1943

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

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... 6700.52

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

Total _____

Gross Tonnage 7125.66

Register Tonnage 4247.86

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"

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 416.0

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

" to 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 Vancouver, B. C.

Launched 24th Feb., 1943 Yard No. 117

Builders West Coast Shipbuilders, Ltd.,

Owners Minister of Munitions & Supply of Canada.

Managers Messrs. Hall Bros.

(Where necessary to be entered in Reg. Book.)

Residence Newcastle-on-Tyne.

Port of Registry _____

If surveyed while building, afloat, or in dry dock _____

Whilst building and afloat.

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 3/8 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 9/16	
Frame Amidships, Angle, [or]	12x4x4x.47		" " top Angles	3 1/2 x 3 1/2 x.44	
" " Extends up to	2nd Dk.		" " bottom Angles	4x4x.50	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	One	
" " Extends up to			BA.'s. Top & Bottom	6x3 1/2 x.44	
Depth of Framing Girder	12		Margin Plate depth (excl. of flange) and thickness	40 1/2 x 9/16	
Frames in Uppermost Continuous 'tween Decks, Angle [or]	6x3 1/2 x.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 3/8 (FL 2")	
" " Third 'tween Decks, Angle, [or]			" " Gussets, spacing and scantling abaft 1/4 len. from stem	Continuous	
" " from 1/2 len. for'd. to 15% len. from Stem	15x4x4x.625		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	17 x 3/8 (FL 2")	
" " in Peaks, Angle or [8x3 1/2 x.34		Tank Side Brackets, height above base line at toe of Frame and thickness	104 1/2 x 7/16	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 At 6 1/2 Dias.		INNER BOTTOM PLATING.		
State if Frame Joggled	No		Breadth and thickness of Middle Line Strake	84 x 1/2	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes		Thickness of remainder in Holds	7/16	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes		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	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	8x3 1/2 x.48	
Height of Brackets at side above base line at toe of frame			" " in Wells, Angle [or]		
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]	12x4x4x.47	
" " 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 spacing	11/32 @ 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..... <u>One- in tween decks only.</u> ✓			Stringer Plate, breadth and thickness in way of Bridge	—	
" in 'tween Decks, Size and Spacing..... <u>6 x 6 x 5/8</u>			Thickness of Plating abreast Deck openings } in way of Wells	<u>11/32</u> ✓	
" " " " "			Thickness of Plating abreast Deck openings } in way of Bridge	—	
" in Holds " "	-		Thickness of Plating within line of openings..	<u>11/32</u> ✓	
" " " " "	-		If Sheathed, material and thickness.....	—	
Centre Line Bulkhead. <u>in Holds.</u>			Third Deck.		
Stiffeners and Spacing..... <u>12x4x4x7/16</u> ✓			Stringer Plate, breadth and thickness.....		
Plating, thickness of..... <u>on alt. frs.</u>			If Plated, state thickness.....		
	<u>5/16"</u> ✓		Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....		
Uppermost Continuous Deck.			If plated, state thickness.....		
Stringer Plate, breadth and thickness in Wells	<u>61 x 5/8</u> ✓		Poop Deck.		
" " " " " in way of Bridge			Stringer Plate, breadth and thickness.....		
<u>Welded to</u>			Plating, Sheathing, material and thickness.....		
" Angle in Wells <u>Sheerstrake</u> ✓			Bridge Deck.		
Thickness of Plating abreast Deck openings } in way of Wells	<u>9/16</u> ✓		Stringer Plate, breadth and thickness.....		
Thickness of Plating abreast Deck openings } in way of Bridge	-		Plating, Sheathing, material and thickness.....		
Thickness of Plating within line of openings..	<u>3/8</u> ✓		Forecastle Deck.		
If Sheathed, material and thickness	-		Stringer Plate, breadth and thickness.....		
Second Deck.			Plating, Sheathing, material and thickness.....		
Stringer Plate, breadth and thickness in Wells	<u>50 x 7/16</u> ✓				

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

STIFFENERS.					
Plating Thickness.	VERTICAL.		HORIZONTAL.		
	Scantlings.	Spacing.	Scantlings.	Spacing.	
	O.A.				
MIDSHIP BULKHEAD, (Upper tween decks)	Fr. 93 1/4 x 3 1/2 x .38	30"			
" " Second "	-	-			
" " Third "	-	-			
" " Holds	1 - 3/4 x 12 x 3 1/2 x 3/8	30"			
COLLISION " (in Hold)	Fr. 162 11/32 x 7 x 3 x .36	24"	3 Strgs.	6'-0"	
AFTER PEAK " "	Fr. 12 5/16 x 11/32 x 7 x 3 x .38	24"	"	"	

For record : 9 BH Coll 6 Wdk, b to 2nd dk 6 divisional W.T. BHs in 'tween deck.
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) Frs.12,40,58,66,93,106,135.
In Tween Dks:- Six divisional W.T. Bhdg. Frs.19,40,66,
As per Rule Seven(7) 93,106,135.

See page 4 NOT FOR RECORD

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Hearth Process
Algoma Steel Co., Manitoba Rolling Mills, Central Iron & Steel, Phoenix Iron Co., U.S. Steel Corp., Steel Company of Canada.
Has the Steel been tested as required by the Rules? Yes

EQUIPMENT No. 39800 ✓										LETTER a + .		ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY	Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.				lbs.
F. 5162.	1st Bower.....	77	60	lbs	-	-	-	-	-	-	68	} C.S. 'BALDT' TYPE STOCKLESS }	MULCAN	WINNIPEG 8.2.43. J. F. HIND. ✓
F. 5163.	2nd "	77	56	lbs	-	-	-	-	-	-	68		IRON	WINNIPEG 22.2.43 J. F. HIND. ✓
	3rd "												WORKS.	
	Collective Weight.	155	16	lbs							136		LTD	
F. 5134.	Stream	277	6	lbs	✓						23 3/4	- DITTO -		WINNIPEG 25.1.43. J. F. HIND. ✓

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE		Length and Size per Table 53.		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.	Diam.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.		
1628 B.	45	2 1/16	8.42	1630	13953	lbs.	-	25	1/16	NATIONAL	SHARON. PA.	TOWLINE	121 1/2	4 3/4	65.2	120	4 3/4		
1640 B.	45	2 1/16	-00-		13946	lbs.	-	25	1/16	STUD	SHARON. PA.	HAWSERS & WARPS	183	2 1/2	15.6	2090	2 1/2		
1642 B.	45	2 1/16	-00-		13960	lbs.	-	25	1/16	LINK. & CASTINGS Co.	SHARON. PA.		183	2 1/2	13.28	2090	2 1/2		
Lower Stream Chain or Steel Wire	91 1/2	5	53.22	tons	-	-	90	5	G.S.W.R.	WRIGHT'S CANADIAN ROPES LTD.	-								
SEE ALSO CONTINUATION SHEET.																			

Steering Gear, Type (Power or hand) Steam with telemotor control Alternative Means of Steering Blocks and tackle to aft warping winch.

Steering Chains (Size and Test) -- Windlass Steam 11" x 13" Boats (2 @ 20'-0" 1 @ 26'-0" 1 @ 28'-0" (Motor))

Ceiling in Holds, thickness and material 2-1/2" B.C. Fir Cargo Battens, thickness, material and spacing 1-3/4" B.C. Fir 9" Clear

Cargo Hatchways.—(Upper Deck) Steel plates and angles Thickness of Hatches 3" 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' Cross Bunker No. 6 8' x 20'

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

and/or Fore and Afters

Builder's Signature WEST COAST SHIPBUILDERS LTD.

W. S. M. Laren
General 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 tanks, peaks, deep tanks and fresh water tanks, decks and 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 side 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 & 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 head and shank were substituted, (28 tons per sq. inch minimum with usual extension). It is recommended that a suitable Notation be entered on the First Entry Certificate because of these departures from the Rules. This ship has been surveyed on behalf of the Minister of Munitions & Supply of Canada in accordance with the Hull Specification requirements which have been carried out to my satisfaction.

The amount of Entry Fee \$ **50.00** : Fees applied for, 6th April 1943 (Special notations, where part of class, to be stated.)

Special Survey Fee..... \$ **2145.00** : Received by me, ✓ 1943

Freeboard 100

Travelling Expense, if any \$ **50.00** : ✓

Owner's Rep. \$ **1000.00**

State whether the Vessel has been built under Special Survey Yes

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

FRI. 11 JUN 1943

Committee's Minute + 100 A1 Subject.

Character assigned With Freeboard.

+ L.M.C. 4.4.43

J.R. C.L.

White Mkt.

Signature K. Lenn. and J. Caldwell.
Surveyor to Lloyd's Register of Shipping.

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 seventeenth of this type to be built by the West Coast Shipbuilders, Ltd., to the order of the Minister of Munitions & Supply of Canada, and is a sistership to the West Coast Shipbuilders - Yard No.101 - "FORT CHILCOTIN" (Vancouver Report No.5764)

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

Blue print plan of the Midship Section is forwarded herewith.

Interim Certificate issued - Copy attached.

Immersed ship's side openings Certificate issued - Copy attached.

A copy of each of the following Certificates attached hereto:-

No. F-5513 for cast steel stern frame.

No. F-5998 for rudder.

No. F-5942 for steering engine, quadrant and tiller.

No. F-6003 for windlass.

Nos. F-1496, 4428, 5623, 5622, 3547, 4433, 5624, 5625, 4429, 3846, & 1273 for winches.

Nos. F-5162, F-5163 & F-5134 for anchors.

There are six divisional bulkheads in the tween decks, all watertight, no openings, except on Bhd. No.93 (between tween deck bunker and No.3 tweens) which has steel hinging W.T. doors P&S.

All tween deck bulkheads have been hose tested and found satisfactory.

PARTICULARS OF ELECTRIC WELDING (if employed) W.T. floors in D.B. tanks, margin plates to shell, tank top, frame brackets and floors. Gusset plates to tank top and frame brackets, upper deck stringer to sheerstrake. Hold bulkheads to tank top, 2nd deck closing plates to deck and shell. Seams of shell plates, strakes H. J. & K. aft of frame 3. Plate butts of shell, upper deck, 2nd deck, centre girder, hatch side girders, upper and 2nd deck hatch coamings to deck, and 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. Both of shell & deck plating etc. welded.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

Cruiser stern, Direction finding apparatus, Echo Sounder, Wireless.

Particulars of Drop Test of Cast Steel Anchors, viz:—Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower	5637 lbs.	J.F.H.	F-5162	8-2-43
2nd "	5624 lbs.	J.F.H.	F-5163	8-2-43
Stream	2044 lbs.	J.F.H.	F-5134	22-1-43

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 439.6'
(Circ. 1611) (Circ. 1703)

No. and Material of Decks Two- steel

Parts of Bottom of Vessel coated with cement or approved composition D.B. tanks cement washed and fillets on bottom shell, except in way of E & B spaces, where there is 1-1/2" cement on bottom shell, cement washed elsewhere throughout, bitumastic solution and enamel on tank top in E & B spaces. Steelwork in bilges 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 & 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, Port	S.W. 20.	390.
Double bottom, if under Boilers only, No. 5	S.W. 20.0	89.	Deep tank, Star	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	368.25	1149.	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 68

Date 12-11-42

Dates of Surveys held while building

1942. Dec. 22.

1943. Jan. 8, 11, 12, 13, 14, 15, 16. Feb. 8, 9, 10, 11, 13, 15, 16, 17, 18, 20, 21, 22,

Feb. 23, 24. Mar. 12, 15, 17, 18, 19, 23, 25, 26, 29, 30, 31.

Apr. 1, 2, 3, 4, 5, 6.

Total No. of Visits 39

Rpt. 9a.

Port of Vancouver, B. C.

Continuation of Report No. 5902

dated 16th April, 1943

on the

S.S. "FORT ENTERPRISE"

Equipment: Continuation from Third Page.

No. of Cert.	Length Fthms.	Dia.	Test		Weight Lbs.	Description	Maker	Where & When Tested
			Stat. Lbs.	Breaking Lbs.				
1607B	45	2-5/16"	215600	301840	14316	C.S. Stud Link Cable	Baldt Anchor & Chain Forge	Chester, Pa. 2-2-43 J.K. Helms.
1562A	--	2-5/16"	215600	--	180	2 Joining Shackles	Do	Chester, Pa. 8-12-42 J.K. Helms.
F6915	--	3-1/4	303320	--	--	2 End Shackles	Baker Forge Ltd.	Vancouver, B.C. 3-4-43 J. Caldwell.
F6982	--	3-1/4	Do	--	--	1 End Shackle	Do	Vancouver, B.C. 8-4-43 J. Caldwell.

J. Caldwell