

STEEL ~~STEAMER~~ or MOTORSHIP.

Received at London Office MAR -7 1939

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 *1st of March 1939*Port of *Copenhagen*No. *10805*Survey held at *Copenhagen*Date First Survey *22nd February 1938*Last Survey *25th February**1939*

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

M/K "Canadian Star"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

Intermediate between F.S.S. & C.S.S. State Type of Erections *Forecastle and Poop*TONNAGE under Tonnage Deck... *7272.69*CLASS ** 100 A1*State if with freeboard as condition of Class *yes*Built at *Copenhagen*Do. of space or spaces between Tonnage Dk. and Upper Dk. *✓*Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a) *L 440'0"*Launched *20th October 1938* and No. *640*Total *✓*Breadth (greatest moulded) *B 60'0"*Builders *Burmeister & Wain*Gross Tonnage *8293.01*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 39'0"*Owners *Blue Star Line Ltd.*Register Tonnage *5004.09*1st Longitudinal Number (L x D) = *17160*Managers *Union Cold Storage Co. Ltd.*2nd Numeral L x (B + D) = *43560*

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

REGISTERED DIMENSIONS.

FEET.

Length *447.2*Framing Depth "d," at middle of length. See Sec. 3 (1d) *✓*Residence *London*Breadth *60.25*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.28*Port of Registry *London*Depth *36.00*Do. Long Bridge to top of keel *✓*If surveyed while building, afloat, or in dry dock *yes*Draught Moulded *29'6 1/2"*

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	28"	✓	Bracket Floors, Frame	✓	
" " from 3/4 length amidships to Collision bulkhead	22"	✓	" " Reversed Frame	✓	
" " in peaks	24"	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	47+ .56	✓
Frame Amidships, Angle, E or F	10 3 1/2 .58	✓	duct keel 90-152	47+ .51	✓
" " in Motor Room	10 3 1/2 .44	✓	" " top Angles	3 1/2 3 1/2 .50	✓
" " Extends up to	3rd deck	✓	" " duct keel	5 5 .50	✓
" " in No. 3 & 4 lower Trid	5 3 .46	✓	" " bottom Angles	5 5 .56	✓
Reversed Frame Amidships, Angle	2nd deck	✓	single in way of duct keel	5 5 .56	✓
" " Extends up to			Side Girders, No. each side and thickness	.40	✓
Depth of Framing Girder	10"	✓	Motor Room	.44	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	9 3 1/2 .46	✓	Margin Plate depth (excl. of flange) and thickness	40+ .59	✓
" " Second 'tween Decks, Angle, E or F	11 3 1/2 .54	✓	" " Vertical Angle to Tank side	3 1/2 3 1/2 .48	✓
" " Third " 153-162 "	12 3 1/2 .56	✓	Bracket abaft 1/2 len. from stem	" " " " " " " "	✓
" " 163-181 "	13 1/2 4 .60	✓	Vertical Angle to Tank side	" " " " " " " "	✓
" " from 1/2 len. for'd. to 15% len. from Stem	11 3 1/2 .54	✓	Bracket from forward 1/2 len. from stem to Panting Area	" " " " " " " "	✓
" " in Peaks, Angle or F	10 3 1/2 .40	✓	Gussets, spacing and scantling abaft 1/2 len. from stem	.42 continuous	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8, 6 1/4 spaced	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	.42 continuous	✓
State if Frame Joggled	yes	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	47" + .45	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	25 stringers 163 to stem .48 plates, 5 200+90+12.5 shell angle 90+90+12 Fwd. Comp. Bld. beams on after body frames 2280+90+12 2 floors, stringers 36, 150N 150+12 on shell. 3 bottom shakes .28 Bottom frames 6+6+48 2 side girders 1/2 height, 40 plates.	✓	INNER BOTTOM PLATING.		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?		✓	Breadth and thickness of Middle Line Strake	55+ .54	✓
SINGLE BOTTOM.			when duct keel	80+ .50	✓
Floors, Depth and thickness at mid-line in Holds	✓		Thickness of remainder in Holds	.44	✓
Height of Brackets at side above base line at toe of frame	✓		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	✓
Middle Line Keelson, on Floors, Angles, E or F	✓		BEAMS.		
" " Through Plate or Intercoastal Plate	✓		Uppermost Continuous Deck, amidships in Wells, Angle, E or F	8 3 1/2 .54	✓
" " Foundation Plate on Floors	✓		" " in way of Bridge, Angle, E or F	✓	
" " Flat Plate Keel Angles	✓		Spacing	28	✓
Side Keelsons, No. each side	✓		Second Deck, amidships, Angle, E or F	230 90 11	✓
" " thickness of Intercoastal Plate	✓		Spacing	28	✓
" " Angles	✓		Third Deck, amidships, Angle, E or F	250 90 14.5	✓
DOUBLE BOTTOM.			Spacing	28	✓
Solid Floors, thickness and spacing	.42; 28" spacing	✓	Fourth Deck, amidships, Angle, E or F	✓	
" " Are Frame and Reversed Frame joggled?	yes	✓	Spacing	✓	
Bracket Floors, breadth and thickness at middle line	✓		Poop Deck, Angle, E or F	200 75 12.5 28" spacing	✓
" " breadth and thickness at margin plate	✓		Spacing	200 25 9 24" "	✓
			Bridge Deck, Angle, E or F	✓	
			Spacing	✓	
			Forecastle Deck, Angle, E or F	8 3 .42 27" spacing	✓
			Spacing	200 75 11.5 24" "	✓

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 Rows2		after 5x5.50	Stringer Plate, breadth and thickness in way of Bridge	✓	✓
Upper in tween Decks, Size and Spacing.....	130x130x15.25	✓	Thickness of Plating abreast Deck openings in way of Wells	.39	✓
Lower Tur. deck. 13x15	300x100x100x12	12.4x46.58	Thickness of Plating abreast Deck openings in way of Bridge	✓	✓
in Holds	381x106x106x12	12 to 43.8x101.6x101.6x20.75	Thickness of Plating within line of openings in N ^o 3.4+5 hold	.34	✓
1 Row in N ^o 1 hold.	43.8x107.6x101.6x12.3	✓	If Sheathed, material and thickness	3" pine	✓
Centre Line Bulkhead. aft.	230 90 11 to 200.90x10.5	in 56" spacing	Third Deck. from frame 43 to stem		
Stiffeners and Spacing.....	30		Stringer Plate, breadth and thickness	50x.38	✓
Plating, thickness of Trunk hatchways in N ^o 3.4+5 Tr. d.			when fully plated	80x.34	Motor room
STRINGERS AND DECKS.			If Plated, state thickness	3" pine	✓
Uppermost Continuous Deck.			Fourth Deck.		
Stringer Plate, breadth and thickness in Wells	84 1/2 x .67	✓	Stringer Plate, breadth and thickness	✓	✓
" " " " in way of Bridge	✓		If Plated, state thickness	✓	✓
" Angle in Wells	6 6 .70	✓	Poop Deck.		
Thickness of Plating abreast Deck openings in way of Wells	.59	✓	Stringer Plate, breadth and thickness	36x.37	✓
Thickness of Plating abreast Deck openings in way of Bridge	✓		Plating, Sheathing, material and thickness	.26; 2 1/2 oregon	✓
Thickness of Plating within line of openings	.42	✓	Bridge Deck.		
If Sheathed, material and thickness	2 1/2 oregon	✓	Stringer Plate, breadth and thickness	✓	✓
Second Deck.			Plating, Sheathing, material and thickness	✓	✓
Stringer Plate, breadth and thickness in Wells	84 1/2 x .43	✓	Forecastle Deck.		
			Stringer Plate, breadth and thickness	36x.38-.36	✓
			Plating, Sheathing, material and thickness	.34	✓
				.50 under windlass	✓

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		No. of Rows of Rivets.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.	Inches.	Inches.	
FLAT PLATE KEEL	53 1/2	.90	.83	.82		2	1 1/8 4 1/2	✓	4	1 1/8 4 1/2	Lapped
where duct keel	53 1/2	1.08				✓	✓	✓	✓	✓	✓
" Date (if any)											
BOTTOM PLATING, No. of Strakes A.B.C.D.	81	.67	.78	.59	A.B.C. = .78 to Coll. Bulkhead	2	7/8 3 1/2	✓	4	7/8 3 1/2	Lapped
BILGE PLATING, No. of Strakes E	71	.67	.62	.56		2	7/8 3 1/2	✓	4	7/8 3 1/2	✓
SIDE PLATING, No. of Strakes F.G.H.I.	76	.65	.61	.60		2	7/8 3 1/2	✓	4	7/8 3 1/2	✓
UPPER DECK, Sheer-strake in Wells L	73	.77	.50	.48	72x.77	2	1 4	✓	4	1 4	✓
UPPER DECK, Sheer-strake in Bridge	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
STRAKE BELOW Sheer-strake in Wells K	74	.71	.50	.48	71x.71	2	7/8 3 1/2	✓	4	7/8 3 1/2	Lapped
STRAKE BELOW Sheer-strake in Bridge	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
POOP SIDE PLATING	✓	✓	✓	.40		single	3/4 3	✓	2	3/4 2 5/8	Lapped
BRIDGE SIDE PLATING	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
FORECASTLE SIDE PLATING	✓	✓	.42	✓		single	7/8 3 1/2 3/4 3	✓	2	3/4 2 5/8	Lapped

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)

Deck next below

As per Rule

7

✓

7

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks	.26	150x.75x9	30"	✓	✓
" " Second	.30-.33	180x.75x10	30"	✓	✓
" " Third	✓	✓	✓	✓	✓
" " Holds	.44, .37, .30	230x.90x11.5	26 to 30"	✓	✓
COLLISION " (in Hold)	.56, .42, .38	250x.90x12.5	24	✓	✓
AFTER PEAK "	.50, .32, .30	230x.90x12.5	24	✓	✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	casting	15"	Strömberg	✓
STEM, Upper part	steel plate	15"		✓
Sole port Propeller Post	Forged	as per	Shank work	
upper port Rudder	casting	plan	Krieger A.G.	
Speed of Vessel		15 1/2 knots		✓
RUDDER—Type				
" A x D		505	Burmester &	
" Diam. of head		11 7/8	Wain. Copenhagen	
" Mainpiece at top pintle		15" diam x 1" thick.		✓
" " heel		0	Mannesmann Tube	
" how constructed		side plates	Mannesmann, Komator	
" double or single plate coupling, vertical or horizontal		double .44"		✓
		horizontal		✓

STEEL.

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

Colvilles, Aug. Thyssen-Witte, The Lanarkshire Steel Co. The Steel Company of Scotland, Guthrie & Co., Glasgow, Carnegie Steel Co., Appleby-Frodingham Steel Co. Doncaster, Lang. Causton & Co.

Has the Steel been tested as required by the Rules?

yes

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.)

A Sister vessel, Messrs Brunner, Mann & Co. yard No 641 is under construction and the plans forwarded with Gen. Report No 10746 should be returned to this office.

PARTICULARS OF ELECTRIC WELDING (if employed)

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book *Cruiser Stern, duct keel forward machinery space. D.F. E.S.D.*

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	Head	Cast	41.3.4. cwt.	12 feet drop	Cert. No 6638,	30.4.37	Hott
	2nd	"	"	41.2.6	"	5347,	23.4.37	Lascelles
	3rd	"	"	41.1.23	"	5348,	23.4.37	Lascelles

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 2992 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 5417 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

Official No. 167188 Signal Letters G. Q. G. V. Extreme Breadth over Belting ✓ Over-all Length 463' 11 1/4 ✓

No. and Material of Decks 2 steel decks 3rd Bk except in No 5 hold ✓

Parts of Bottom of Vessel coated with cement or approved composition No 1 double bottom tank and fore and afterpeak cement.

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, 15-71 w.B. or fuel oil	130' 8	331	Fore peak tank,	22' 8	67 ✓
Double bottom, under Engines and Boilers, 71-90 w.B. or fuel oil	44' 4	342	After peak tank,	20' 0	199 ✓
Double bottom, if under Engines only,			Deep tank, aft, wing tanks 260 Tons oil	51' 4	290 ✓
Double bottom, if under Boilers only, 90-153 w.B. or fuel			Deep tank, forward, settling tanks, engine room	7' 0	61 ✓
Double bottom, forward, 90-182 153-182 F.W.	212' 2	745	Other tanks, if fitted,		
Total length (if continuous) and Capacity	387' 2	1418	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 128

Date 26th June 1937

Dates of Surveys held while building

Febr. 1938: 22. May: 9. 11. 30. June: 1. 3. 13. July: 13. 16. 18. 21. Aug. 1. 5. 10. 15. 22. 23. Sept. 2. 5. 8. 13. 17. 19. 22. 24. 26. 27. 30. Oct. 1. 4. 5. 7. 10. 11. 12. 13. 14. 17. 18. 19. 20. 21. 25. 28. Nov. 4. 21. Dec. 8. 12. 13. 14. 15. 19. 20. 21. 22. 29. 30. 31. January 1939: 6. 11. 17. 20. 26. 27. 30. Febr. 2. 7. 11. 16. 17. 18. 20. 24. 25.

Total No. of Visits 74