

## STEEL STEAMER OR MOTORSHIP.

22 JUN 1943

Received at London Office.

State of Report has been sent on the Freeboard of the Vessel *yes.*State of Report is sent on the Machinery of the Vessel *yes.*

WRECK

SECTION

No

No. 20985.

Date of completion of report *21<sup>st</sup> June 1943.*Port of *Leith.*Survey held at *Burntisland.*Date First Survey *November 20<sup>th</sup> 1942.*Last Survey *June 15<sup>th</sup> 1943.*

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

*STL. SELF. SC. STR. "EMPIRE GLORY"*

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

*Flush Deck with freeboard.*

State Type of Erections

TONNAGE under Tonnage Deck *6824.*CLASS *100 R.I. with freeboard.* State if with freeboard as condition of Class *yes.*Do. of space or spaces between Tonnage Dk. and Upper Dk. *✓*Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) *412.0*Total *6824.*Breadth (greatest moulded) *B 57.67*Gross Tonnage *7290.*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *28.75*Register Tonnage *4996.*1st Longitudinal Number (L x D) *38901*2nd Numeral L x (B + D) *38899*Framing Depth "d," at middle of length. See Sec. 3 (1d) *24.63*Proportions—Depth to Length—Uppermost continuous deck to top of keel *10.914*Do. Long Bridge to top of keel *✓*Draught Moulded *27'0 7/8"*Built at *Burntisland.*Launched *20<sup>th</sup> April 1943.* Yard No. *266.*Builders *The Burntisland S. S. Co. Ltd.*Owners *Ministry of War Transport.*Managers *G. J. Sutton & Co.*Residence *Cathedral Buildings, Newcastle/Tyne.*Port of Registry *BURNTISLAND.*

If surveyed while building, afloat, or in dry dock

*while building & afloat.*

## REGISTERED DIMENSIONS.

FEET

Length *420.0'*Breadth *58.0'*Depth *35.3'*

## 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 .....	6 3/2 .43 ✓	
" " from 1/2 length amidships to Collision bulkhead.....	27 ✓		" " Reversed Frame.....	6 3 .35 ✓	
" " in peaks .....	24 ✓		" " Vertical Struts .....	8 3/2 x 3/2 .42 ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	4 3/4 x .54 ✓	
Frame Amidships, Angle, E or F .....	12 3/2 .69 ✓		" " top Angles .....	DOUBLE 3 1/2 3/2 .48 ✓	
" " Extends up to.....	1'0" BELOW 2 <sup>ND</sup> DECK. ✓		" " bottom Angles.....	DOUBLE 4 4 .58 ✓	
Reversed Frame Amidships, Angle .....	5 3/2 .56 ✓		Side Girders, No. each side and thickness.....	ONE .40 ✓	
" " Extends up to .....	78 FRAME ONLY. 2 <sup>ND</sup> DECK. ✓		Margin Plate depth (excl. of flange) and thickness .....	40 1/2 x .54 ✓	
Depth of Framing Girder.....	12 ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem .....	6 6 .47 ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F .....	6 3/2 7/16 ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area .....	- Do. - ✓	
" " Second 'tween Decks, Angle, E or F .....	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	EVERY .41. ✓	
" " Third .....	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area .....	CONTINUOUS PLATE .42 FEET 137 TO 142. ✓	
" " from 1/2 len. for'd. to 15% len. from Stem .....	12 3/2 .69 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	80 3/4 x .47 ✓	
" " in Peaks, Angle or F .....	8 3/2 7/16 ✓		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....	7/8 RIVETS SPACED 5 3/4 APART ON THE AVERAGE. CLOSED UP AT BULGE. ✓		Breadth and thickness of Middle Line Strake.....	53 1/4 x .50 ✓	
State if Frame Joggled.....	YES. ✓		Thickness of remainder in Holds .....	45 INCREASED UNDER HATCHWAYS. ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? .....	YES & AS APPROVED. ✓		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. ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved? .....	YES & AS APPROVED. ✓		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships .....	8 3/2 .34 ✓	
Floors, Depth and thickness at mid-line in Holds.....	✓		" " Wale, Angle, E or F .....	7 1/2 x 3/2 x .34 ✓	
Height of Brackets at side above base line at toe of frame.....	✓		" " in way of Bridge, Angle, E or F .....	✓	
Middle Line Keelson, on Floors, Angles, E or F .....	✓		Spacing .....	30 ✓	
" " Through Plate or Inter-costal Plate .....	✓		Second Deck, amidships, Angle, E or F .....	8 3 .41 ✓	
" " Foundation Plate on Floors .....	✓		Spacing .....	30 ✓	
" " Flat Plate Keel Angles .....	✓		Third Deck, amidships, Angle, E or F .....	10 3/2 .40 ✓	
Side Keelsons, No. each side.....	✓		" " ABREAST CASING .....	9 3 .375 ✓	
" " thickness of Inter-costal Plate.....	✓		Spacing .....	30 ✓	
" " Angles .....	✓		Fourth Deck, amidships, Angle, E or F .....	✓	
DOUBLE BOTTOM.			Spacing .....	✓	
Solid Floors, thickness and spacing .....	41 EVERY 4 <sup>TH</sup> FRAME .42 FOR 3/5 L. FRAMES ONLY. ✓		Poop Deck, Angle, E or F .....	✓	
" " Are Frame and Reversed Frame joggled? .....	✓		Spacing .....	✓	
Bracket Floors, breadth and thickness at middle line .....	41 x .41 ✓		Bridge Deck, Angle, E or F .....	✓	
" " breadth and thickness at margin plate.....	36 x .41 ✓		Spacing .....	✓	
			Forecastle Deck, Angle, E or F .....	✓	
			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	<i>Two rows, widely spaced and centre line bulkhead.</i>			Stringer Plate, breadth and thickness in way of Bridge	<i>CASING.</i>	<i>68 1/8 x .40 ON TANK.</i>	<i>.39 ELSEWHERE.</i>
" in 'tween Decks, Size and Spacing	<i>as per approved plan.</i>			Thickness of Plating abreast Deck openings in way of Wells		<i>.375</i>	
" " " " " "				Thickness of Plating abreast Deck openings in way of Bridge	<i>CASING.</i>	<i>.40 OVER TANK.</i>	<i>.36 ELSEWHERE</i>
" in Holds	<i>as per approved plan.</i>			Thickness of Plating within line of openings		<i>.34</i>	
" " " " " "				If Sheathed, material and thickness			
Centre Line Bulkhead.	<i>[Stiffeners on alternate beams.]</i>			Third Deck.			
Stiffeners and Spacing	<i>as per approved plan.</i>			Stringer Plate, breadth and thickness			
Plating, thickness of				If Plated, state thickness			
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness			
Stringer Plate, breadth and thickness in Wells	<i>71 x .72</i>			If Plated, state thickness			
" " " " in way of Bridge	<i>6 6 .72</i>			Poop Deck.			
" Angle in Wells				Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Wells	<i>.64</i>	<i>APPROVED. .59</i>		Plating, Sheathing, material and thickness			
Thickness of Plating abreast Deck openings in way of Bridge	<i>.52, .53, .94</i>	<i>1.03</i>	<i>.50 x .88</i>	Bridge Deck.			
Thickness of Plating within line of openings	<i>.40</i>			Stringer Plate, breadth and thickness			
If Sheathed, material and thickness	<i>1" LAM. IN HOLD</i>			Plating, Sheathing, material and thickness			
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells	<i>68 1/8 x .40</i>			Stringer Plate, breadth and thickness			
				Plating, Sheathing, material and thickness			

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.				Inches.	Inches.		Inches.	Inches.	
Flat Plate Keel.....	52	.81	.71	.71		DOUBLE.	7/8	3/3	WELDED	BUTTS.			
„ Dblg. (if any)		✓					✓						
Bottom Plating, No. of Strakes	8 70 3/8	.65	.69	.50	.62 ON STERN FRAME	DOUBLE	7/8	3/3	QUAD + TREBLE	7/8	3/8	LAPPED.	
Bilge Plating, No. of Strakes	5 61 5/8	.60	.54	.51		„	„	„	„	„	„	„	
Side Plating, No. of Strakes	2 76 3/8	.60	.50	„		„	„	„	TREBLE	„	„	„	
Upper Deck, Sheer-strake in Wells	79	.73	.46	.46		DOUBLE	7/8	3/3	QUAD + TREBLE	1 1/8	3/4	3/8 LAPPED.	
Upper Deck, Sheer-strake in Bridge	77 7/8	.60	„	„		„	„	„	TREBLE	7/8	3/8	LAPPED.	
Strake below Sheer-strake in Wells	82 1/8	„	„	„		„	„	„	„	„	„	„	
Strake below Sheer-strake in Bridge		✓					✓						
Poop Side Plating		✓					✓						
Bridge Side Plating		✓					✓						
Forecastle Side Plating		✓					✓						

## WATERTIGHT BULKHEADS.

5 Divisional W.T. BHs are intact except No 91 which is filled with steel w.t. door  
 Total No. of W.T. BULKHEADS in Vessel *6*  
 Extending to Upper Deck (Sec. 3 c) *6*  
 " Deck next below *1 on F<sup>rs</sup> 8 + 11, 6*  
 As per Rule *SEVEN. 29" see letter 1.4.43*

SEE APPROVED PLANS FOR WING TANKS FOR <sup>2</sup> , E.R. WING TANKS & TUNNEL SIDE BALLAST TANKS.		2 <sup>ND</sup> DECK. STIFFENERS. TW <sup>ND</sup> DECKS.			
Plating Thickness.		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	<i>(38)</i>	<i>47-26</i>	<i>9 x 3 x 375</i>	<i>33 3/4</i>	<i>6 x 3 x 34 1/2 x 30</i>
" " Second	<i>84</i>	<i>41-30</i>	<i>12 x 3 1/2 x 525</i>	<i>33 (68)</i>	<i>5 x 3 x 28 1/2 x 30</i>
" " Third	<i>83</i>	<i>47-29</i>	<i>12 x 3 1/2 x 635</i>	<i>33 3/4</i>	<i>5 x 3 x 25 1/2 x 30</i>
" " Holds	<i>131-4-7 (134)</i>	<i>39-29</i>	<i>12 x 3 1/2 x 535</i>	<i>33 3/4</i>	<i>5 x 3 x 33 1/2 x 30</i>
COLLISION " (in Hold)	<i>160</i>	<i>49-32</i>	<i>9 x 3 x 375</i>	<i>24</i>	<i>✓</i>
AFTER PEAK "	<i>11</i>	<i>38-34</i>	<i>9 x 3 x 375</i>	<i>24</i>	<i>✓</i>
	<i>8</i>	<i>48-70</i>	<i>5 x 3 x 255</i>	<i>24</i>	<i>✓</i>

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		<i>NONE</i>		
STEM		<i>9 1/2 x 2 1/8</i>	<i>PLATE STEM ABOVE.</i>	
STERN FRAME	Propeller Post	<i>FABRICATED</i>	<i>THE COLVILLE</i>	
	Rudder	<i>AS PER APPROVED PLAN.</i>	<i>CONSTRUCTIONAL CO. L.P.</i>	
Speed of Vessel		<i>12 KNOTS.</i>		
RUDDER—Type		<i>FABRICATED ORDINARY</i>	<i>DOUBLE PT.</i>	
" A x D.		<i>NOT EXCEEDING</i>	<i>335.</i>	
" Diam. of head	<i>F.S.</i>	<i>9"</i>	<i>T.S. FORSTER &amp; SONS L<sup>TD</sup></i>	
" Mainpiece at top pintle	<i>S.M.</i>	<i>SEE APPROVED PLAN.</i>	<i>THE COLVILLE</i>	
" " heel	<i>STEEL</i>		<i>CONSTRUCTIONAL CO. L.P.</i>	
" how constructed		<i>FABRICATED.</i>		
" double or single plate coupling, vertical or horizontal		<i>.50</i>		

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth*  
*Caloville & Lanarkshire Steel Co. L<sup>TD</sup>, Bangor Steel, The Steel Co. of Scotland, Skinningrove & Co. Consell Iron Co. L<sup>TD</sup>, Dorman Long & Co. L<sup>TD</sup>, Appleby Frodingham Steel Co. L<sup>TD</sup>, South Durham.*  
 Has the Steel been tested as required by the Rules? *Yes.*







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 vessel is a sister ship to the same Builders, No. 261, "EMPIRE ROSARIO" Lth Report No. 20882. The following plans are forwarded herewith:—

Midship Section  
Profile & Decks  
Modification to framing in after hold.  
Deck Ladders & Pillars.  
Pumping Arrangement.  
Arrangement of Bilge Suctions at aft end of No. 5 Cargo Hold.  
Wing Ballast Tanks in Forward Hold.  
Ballast Tanks at Tunnel Side.  
Hatch Webs.  
General Arrangement.  
Lifting Reports (3 off.)  
Copy of Form Rpt 10. - Steel Derrick Posts.  
Copy of Form Rpt 10 - Steel Mast.  
Copy of Form Rpt 10 - Steel Mast.  
Copy of Form Rpt 10 - Outriggers.  
Copy of Form Rpt 10 - Steam Windlass.  
Copy of Form Rpt 10 - Fresh & Sanitary Tanks.  
Copy of Form Rpt 10 - Deepen Loading.  
Copy of Form Rpt 10 - Completion Certificate.  
Copy of Form Rpt B. - Interior Certificate.

PARTICULARS OF ELECTRIC WELDING (if employed) Fabricated Stern Frame, Fabricated Rudder, Stems of Derrick posts & masts, tank gussets to margin, bulkhead corners (no shoes) Deep Tank horiz. girders to shell & bulkheads, Valve box & tube for E.R. discharge, base plates, tunnel escape trunks. Keel & center girder butts, small items & deck fittings.

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

Louvier Stern; 2, dks; D.E., E.S.D., 5 Divisional w. T. B<sup>45</sup> in tween decks.

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

1st Bower	42-3-6 - 1.0 - 3722 - 4/7/41
2nd "	42-1-17 - 1.0 - 3626 - 26/3/41
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. 123107 Signal Letters B.F.G.N. Extreme Breadth over Belting 58.0' Over-all Length 436.0'  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 2. steel.

Parts of Bottom of Vessel coated with cement or approved composition. The inside of the double bottom & bilges, fore & aft cemented at all shell landings, shell plating in double bottom in way of boilers, covered with cement.

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, <del>4</del> TUNNEL SIDES. No. 7.	60.0 ✓	428	Fore peak tank,	27.375	266
Double bottom, under Engines and Boilers, No. 6.	70.0 ✓	279 ✓	After peak tank,	22.0	277
Double bottom, if under Engines only, No. 5.	20.0 ✓	97 ✓	Deep tank, aft,	—	—
Double bottom, if under Boilers only, No. 4.	20.0 ✓	103 ✓	Deep tank, forward, AT WINGS.	14.25	272
Double bottom, forward, No. 3.	50.0 ✓	260 ✓	Other tanks, if fitted, EN. ROOM DEEP TANK. { P.	20.0	186
	No. 2.	80.0 ✓			
	No. 1.	58.5 ✓			
Total length (if continuous) and Capacity.	298.5 ✓	1253 ✓	(If necessary furnish further information by sketch.)	5. 22.5	201

Order for Special Survey No. 2057

Date. 10/2/42.

Dates of Surveys held while building

1942 November 20<sup>th</sup> 26<sup>th</sup> December 4<sup>th</sup> 9<sup>th</sup> 14<sup>th</sup> 1943 January 8<sup>th</sup> 11<sup>th</sup> 19<sup>th</sup> 27<sup>th</sup>  
February 12<sup>th</sup> 15<sup>th</sup> 22<sup>nd</sup> 24<sup>th</sup> 26<sup>th</sup> March 1<sup>st</sup> 3<sup>rd</sup> 5<sup>th</sup> 10<sup>th</sup> 15<sup>th</sup> 17<sup>th</sup> 19<sup>th</sup> 22<sup>nd</sup> 26<sup>th</sup> 29<sup>th</sup> 31<sup>st</sup>  
April 5<sup>th</sup> 16<sup>th</sup> 20<sup>th</sup> 28<sup>th</sup> May 7<sup>th</sup> 14<sup>th</sup> 21<sup>st</sup> 25<sup>th</sup> 31<sup>st</sup> June 1<sup>st</sup> 4<sup>th</sup> 7<sup>th</sup> 15<sup>th</sup>

Total No. of Visits 38.