

STEEL STEAMER OR MOTORSHIP.

13 JUL 1944

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YESDate of completion of report 24th JUNE 1944 Port of GREENOCK No. 22433Survey held at PORT GLASGOW Date First Survey 17th MAY 1943 Last Survey 23rd JUNE 1944On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) SINGLE SCREW STEAMER "EMPIRE TALISMAN"State Type (Full Steaming, Complete Superstructure with or without Tonnage Openings) COMPLETE SUPERSTRUCTURE NO TONNAGE OPENING State Type of Erections FORECASTLETONNAGE under Tonnage Deck ... 6604.95

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

Total

Gross Tonnage 7200.97Register Tonnage 4946.38CLASS 100 A.1State if with freeboard as condition of Class YESLength from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 425.0Breadth (greatest moulded) 56.0Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 36.92
FOR SCANTLING 35.751st Longitudinal Number (L x D) 151942nd Numeral L x (B + D) 38994Framing Depth "d," at middle of length. See Sec. 3 (1d) 23.9Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.51Do. Long Bridge to top of keel 26.12Draught Moulded 26.12Built at PORT GLASGOWLaunched 20th APRIL 1944 Yard No. 997Builders LITHGOWS LTDOwners MINISTRY OF WAR TRANSPORTManagers BLUE STAR LINE LTD
(Where necessary to be entered in Reg. Book)Residence LONDONPort of Registry GREENOCK

If surveyed while building, afloat, or in dry dock

BUILDING Afloat

REGISTERED DIMENSIONS.

FEET

Length 432.70Breadth 56.20Draught 34.45

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.....	36 ✓		Bracket Floors, Frame	7 3/2 .34 ✓	
" " from 1/2 length amidships to Collision bulkhead.....	27 ✓		" " Reversed Frame.....	6 3/2 .44 ✓	
" " in peaks	24 ✓		" " Vertical Struts	6 3/2 .36 ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 1/4 x .54 ✓	
Frame Amidships, Angle, E or C	13 1/2 4 .52 ✓		" " top Angles	3 1/2 3 1/2 .48 ✓	
" " Extends up to.....	2 ND DECK ✓		" " bottom Angles.....	4 4 .54 ✓	
Reversed Frame Amidships, Angle	6 6 .50		Side Girders, No. each side and thickness.....	1 @ .38 ✓	
" " " 60 x 68	5 5 .50		Margin Plate depth (excl. of flange) and thickness	44 x .57 ✓	
" " Extends up to.....	2 ND DECK ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	6 1/2 6 1/2 .625 T.BAR. ✓	
Depth of Framing Girder.....	13 1/2 ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	6 1/2 6 1/2 .625 T.BAR. ✓	
Frames in Uppermost Continuous /tween Decks, Angle, E or C	7 3 1/2 .33 ✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	CONT. .42 ✓	
" " Second 'tween Decks, Angle, C or C	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	CONT. .42 ✓	
" " Third " " " " " " " " " "	13 1/2 4 .49 27" SPACING ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	77 x .48 ✓	
" " from 1/2 len. for'd. to 15% len. from Stem	13 1/2 4 .52 36" SPACING ✓		INNER BOTTOM PLATING.		
" " in Peaks, Angle or C	8 3 1/2 .38 ✓		Breadth and thickness of Middle Line Strake...	84 x .50 ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 5 DIAS. 5 1/2 DIAS. ✓		Thickness of remainder in Holds .....	.47 INCREASED .08 UNDER HATCHWAYS ✓	
State if Frame Joggled.....	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 ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES ✓		BEAMS.		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES ✓		Uppermost Continuous Deck, amidships in Wells, Angle, E or C	11 3 1/2 .43 ✓	
SINGLE BOTTOM.			" " in way of Bridge, Angle, C or C	✓	
Floors, Depth and thickness at mid-line in Holds.....	✓		Spacing	EVERY FR. ✓	
Height of Brackets at side above base line at toe of frame.....	✓		Second Deck, amidships, Angle, E or C	12 3 1/2 .65 ✓	
Middle Line Keelson, on Floors, Angles, C or C	✓		Spacing	EVERY FR. ✓	
" " Through Plate or Inter-costal Plate	✓		Third Deck, amidships, Angle, C or C	✓	
" " Foundation Plate on Floors	✓		Spacing.....	✓	
" " Flat Plate Keel Angles	✓		Fourth Deck, amidships, Angle, C or C	✓	
Side Keelsons, No. each side.....	✓		Spacing.....	✓	
" " thickness of Intercoastal Plate...	✓		Poop Deck, Angle, C or C	✓	
" " Angles	✓		Spacing.....	✓	
DOUBLE BOTTOM.			Bridge Deck, Angle, C or C	✓	
Solid Floors, thickness and spacing	.46 EVERY 3 RD FRAME ✓		Spacing.....	7 3 1/2 .44 .33 ✓	
" " Are Frame and Reversed Frame joggled?	YES ✓		Forecastle Deck, Angle, E or C	9 3 1/2 .38 ✓	
Bracket Floors, breadth and thickness at middle line	32 1/4 x .46 ✓		Spacing.....	EVERY FR. ✓	
" " breadth and thickness at margin plate.....	32 1/4 x .46 ✓				

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	CENTRE LINE BULKHEAD		Stringer Plate, breadth and thickness in way of Bridge HATCHES.....	
„ in 'tween Decks, Size and Spacing	WITH REINFORCED HATCH		Thickness of Plating abreast Deck openings in way of Wells	
„ „ „ „ „	SIDE GIRDERS & HATCH		Thickness of Plating abreast Deck openings in way of Bridge.....	
„ in Holds „ „ „	END BEAMS.		Thickness of Plating within line of openings...	
„ „ „ „ „	AS APPROVED. ✓		If Sheathed, material and thickness.....	
Centre Line Bulkhead.			Third Deck.	
Stiffeners and Spacing	5	9 3 37 & 36" ✓	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 Wells	72	x .76 ✓	If Plated, state thickness.....	
„ „ „ „ in way of Bridge .....		.70 ✓	Poop Deck.	
„ Angle in Wells	6	6 .62 ✓	Stringer Plate, breadth and thickness.....	
Thickness of Plating abreast Deck openings in way of Wells .....		.76 - .72 ✓	Plating, Sheathing, material and thickness ...	
Thickness of Plating abreast Deck openings in way of Bridge .....		.63 - .60 ✓	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 Wells	84	x .38 ✓	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.			
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled? NO.		BUTTS.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	STRAPPED OR LAPPED.
Flat Plate Keel.....	52	.78	.68	.68		DOUBLE	7/8 3 3/4	QUAD. ✓	1 4 LAPPED.
„ Dblg. (if any)									
Bottom Plating, No. of Strakes .....		.68 ✓	.50 ✓	.55 ✓	See shell plan	DOUBLE	7/8 3 3/4	QUAD. ✓	7/8 3 1/2 LAPPED
Bilge Plating, No. of Strakes .....		.68 ✓	.50 ✓	.55 ✓		"	"	WELDED ✓	
Side Plating, No. of Strakes .....		.68 ✓	.46 ✓	.46 ✓		"	"	TREBLE ✓	7/8 3/8 LAPPED
Upper Deck, Sheer-strake in Wells.....	58	.69 ✓	.50 ✓	.46 ✓		"	"	QUAD. ✓	" 3 1/2 "
Upper Deck, Sheer-strake in Bridge ...									
Strake below Sheer-strake in Wells.....		.68 ✓	.46 ✓	.46 ✓		DOUBLE	7/8 3 3/4	QUAD. ✓	7/8 3 1/2 LAPPED.
Strake below Sheer-strake in Bridge ...	THREE STRAKES OF BOTTOM PLATING P.S. FROM 1/2 LENGTH FORWARD TO RULE POSITION OF								
Poop Side Plating.....	COLLISION BULKHEAD .74" AT 36" FRAME SPACING & .69" AT 27" FRAME SPACING. ✓								SIDE
Bridge Side Plating.....	SHELL PLATING IN PAINTING AREA. P.S. INCREASED TO .58" IN LIEU OF SIDE STRINGER. ✓								
Forecastle Side Plating		.40 ✓				SINGLE ✓	7/8 3 1/2	SINGLE ✓	7/8 3 1/2 LAPPED.

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	8
Extending to Upper Deck (Sec. 3 c)	1
„ Deck next below	7 (6 divisional W.T. bulkheads in tween decks)
As per Rule	7

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	PLATE KEEL ✓			
STEM	AS STEEL CO OF SCOTLAND. CASTING APPROVED. SCOTLAND. ROLLED 10 1/2" ✓			
STERN FRAME { Propeller Post	FABRICATED COLVILLES. AS. PER PLAN CONSTRUCTIONAL. CO. ✓			
{ Rudder „				
Speed of Vessel	10 1/2 KNOTS. ✓			
RUDDER—Type	DOUBLE PLATE STREAMLINED.			
„ A x D.....	567 ✓			
„ Diam. of head	FORGING. 12" BEARDMORE			
„ Mainpiece at top pintle	FABRICATED			
„ „ heel	AS. PER APPROVED PLAN ✓			
„ how constructed	PLAN ✓			
„ double or single plate coupling, vertical or horizontal .....	.50 ✓			
	VERTICAL ✓			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	.26 ✓	6 x 3 x .36	30 ✓		
„ „ Second „					
„ „ Third „					
„ „ Holds		10 x 3 1/2 x .57	27" ✓		
		11 x 3 1/2 x .48	30" ✓		
COLLISION „ (in Hold) .....	.54 - .37	11 x 3 1/2 x .42	24" ✓	2 3/4" BOX BEAMS ✓	
AFTER PEAK „	.75 - .30	5 x 3 x .36	24" ✓		
		6 x 3 x .38	24" ✓		
		4 x 3 x .30			

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH. COLVILLES LTD, STEEL CO OF SCOTLAND, LANARKSHIRE.
	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.)

The plans of Midship Section, Profile & Decks as built, the approval plans & joining reports are forwarded herewith.

The insulation of refrigerated holds is to be carried out at a North American port. It is stated that sparring will be fitted in No. 1 & 5 holds & tween decks at the first opportunity.

The plans & specification has been supervised & a copy of the completion certificate is herewith enclosed together with a copy of the interim certificate issued. All the tween deck bulkheads are completely closed & made watertight & a hinged steel watertight door about centre line is fitted on W.T. bulkhead No. 56. Hatch cleats etc. have been provided for 2nd deck hatches & will be fitted to deck abroad.

Damage: Stated due to fire caused whilst welding plate tray to 2nd deck in No. 4 tween deck P.S. upper deck plating girders & beams found slightly buckled. Deck lining & 2" cork flooring in accommodation on upper deck damaged. Dismantling cables, electric wiring, insulation & a few hatch covers were damaged. Stan, Refrig. cooler, Engine & piping examined & tested.

Repairs: Two upper deck plates, girders & beams in way failed in place. Dismantling cables part removed. Insulation, deck lining & cork flooring removed as found necessary. Cables fan removed. Refrigerating machinery rechecked & found satisfactory.

PARTICULARS OF ELECTRIC WELDING (if employed) FABRICATED STERNPOST & RUDDER, GUSSET PLATES TO TANK TOP, BULKHEAD STIFFENER BRACKETS TO TANK TOP & STIFFENER, CE LINE BULKHEAD STIFFENERS TO TANK TOP, TUNNEL STOODS, AUXILIARY SEATS, CORNER BARS AT BULKHEADS & TANK ENDS, CRUISER STERN, BOSS PLATING, THRUST SEAT, VENTILATORS, BILGE STRAKE BUTTS AMIDSHIPS, 2ND DECK STRINGER PLATES TO SHELL IN NOS 1 & 5 TWEEN DECKS, CRENS COMPANIONWAY, CORNERS OF HATCH COAMING DECK BARS, WINCH GIRDERS TO DECK,

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. \pm 100 A.I. WITH FREEBOARD, CRUISER STERN, LLOYDS R.A.C.P. L.S.D.

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

1st Bower INC. PINS 45-0-7: J.H.J.: 5676: 4-6-43.
2nd " 44-3-14: A.E.G.: 5001: 25-5-43
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop \checkmark ft., R.Q.D. \checkmark ft., Bridge \checkmark ft., Forecastle 39' 8" ft.

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

Official No. 169512

Signal Letters \checkmark

Extreme Breadth over Belting \checkmark
(Circ. 1611)

Over-all Length 447' 8" \checkmark
(Circ. 1703)

No. and Material of Decks 2 DKS (STEEL)

Parts of Bottom of Vessel coated with cement or approved composition CEMENT IN PEAKS, BILGES & DOUBLE BOTTOM TANK UNDER BOILERS. ELSEWHERE CEMENT COVERING RIVET HEADS IN BOTTOM FRAMES, GIRDERS & SHELL. REMAINDER OF TANKS

Particulars of composition (if fitted) and of approval CEMENT WASHED. \checkmark

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.	S.W. Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft,	Feet. 72	Tons. 263	Fore peak tank,	Feet.	Tons. 150 \checkmark 202
Double bottom, under Engines and Boilers,	72	196	After peak tank,		115 \checkmark
Double bottom, if under Engines only,			Deep tank, aft, TUNNEL SIDES P.S.		410 \checkmark
Double bottom, if under Boilers only,			Deep tank, forward, UPPER FORE PEAK.		52 \checkmark
Double bottom, forward,	199.5	757	Other tanks, if fitted,		
Total length (if continuous) and Capacity	313.5 \checkmark	1216 \checkmark	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 3510

Date 31st MAR. 1943

Dates of Surveys held while building

(1943) MAY 17. JUNE 1. 10. 13. 14. 15. 29. JULY 13. 14. 15. 19. 20. 29. 30. AUG. 3. 5. 10. 12. 18. 19. 20. 24. SEPT. 1. 3. 7. 9. 14. 15. 20. 30. OCT. 1. 12. 13. 14. 19. 22. 26. NOV. 2. 4. 10. 11. 16. 17. 18. 22. 24. 26. 29. DEC. 4. 9. 14. 20. 21. (1944) JAN. 5. 4. 13. 14. 17. 20. 24. 26. 29. FEB. 1. 2. 3. 4. 8. 9. 10. 11. 14. 15. 16. 17. 18. 22. 23. 24. 25. 28. 29. MAR. 1. 2. 3. 6. 8. 9. 10. 11. 13. 14. 15. 16. 17. 18. 20. 21. 22. 23. 24. 25. 28. 29. 30. 31. APR. 1. 3. 4. 5. 6. 7. 10. 11. 13. 14. 19. 20. 21. 25. 24. 28. MAY 8. 22. 23. 26. 29. 30. 31. JUNE 1. 2. 5. 4. 8. 9. 14. 15. 16. 19. 20. 21. 22. 23.

Total No. of Visits 116