

RECEIVED

24 DEC 1943

IN D.O.

STEEL STEAMER OR MOTORSHIP.

Received at London Office.

23 DEC 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 *1/12/43* Port of *Liverpool* No. *120372*Survey held at *Birkenhead* Date First Survey *28/10/41* Last Survey *25/11/1943*On the (State if Machinery *Single* or *Double*) *Steel Single Screw M.A.C. "EMPIRE MACCOLL" Mchy. A.H.*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Full Scantling* State Type of Erections *Prop. Bridger's*TONNAGE under Tonnage Deck *7427.13* CLASS *100A1 "Carrying oil fuel in bulk F.P. above 150°F. Longl. framing at bottom and at deck"* State if with freeboard as condition of Class *No* Built at *Birkenhead*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) *L 463.0* Launched *21st July, 1943* Yard No. *1106*Total *✓* Breadth (greatest moulded) *B 61.75* Builders *Messrs. Cammell, Laird & Co. Ltd.*Owners *His Majesty represented by Minister of War Transport.*Managers *British Tanker Co. Ltd.* (Where necessary to be entered in Reg. Book)RESIDENCE *London*Port of Registry *Liverpool*If surveyed while building, afloat, or in dry dock *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.
ES, Spacing amidships.....	<i>31 1/2</i> ✓	✓	Bracket Floors, Frame	✓	✓
" from 1/2 length amidships to Collision bulkhead.....	<i>42 1/2</i> <i>ford</i> <i>42 1/2</i> <i>27</i> ✓	✓	" Reversed Frame.....	✓	✓
" in peaks	<i>24</i> ✓	✓	" Vertical Struts <i>In way of E.Rm. D.B. Tank 60x54-46 54x42</i> ✓	✓	✓
FRAMING.			Centre Girder, depth and thickness amidships <i>Double in E.Rm. 32x32x48-44 32x32x50</i> ✓	✓	✓
" Amidships, Angle, <i>E or C</i>	<i>10 3 1/2 40</i> ✓	✓	" top Angles <i>Double in E.Rm. 5x5x54-50</i> ✓	✓	✓
" Extends up to.....	<i>upper Dk.</i> ✓	✓	" bottom Angles <i>Double in E.Rm. 4x4x50</i> ✓	✓	✓
" Reversed Frame Amidships, Angle	✓	✓	" In E.Rm. 2 each side of C.L. under engine 1 in wings F.E. E.Rm. 24 longl. Blvd. ✓	✓	✓
" Extends up to	✓	✓	Side Girders, No. each side and thickness.....	<i>2 @ 75 10 @ 42</i> ✓	✓
" Depth of Framing Girder.....	<i>10</i> ✓	✓	Margin Plate depth (excl. of flange) and thickness <i>Tank top flat 54 varying width</i> ✓	✓	✓
" Frames in Uppermost Continuous 'tween Decks, Angle, <i>C or C</i>	✓	✓	" Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	✓	✓
" Second 'tween Decks, Angle, <i>C or C</i>	✓	✓	" Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	✓	✓
" Third	✓	✓	" Gussets, spacing and scantling abaft 1/2 len. from stem.....	✓	✓
" from 1/2 len. for'd. to 15% len. from Stem <i>In way of Fore Deep Tank</i> ✓	<i>10 3 1/2 40 11 3 1/2 47 8 3 1/2 46</i> ✓	✓	" Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	✓	✓
" in Peaks, Angle or <i>C</i>	<i>8 3 1/2 46</i> ✓	✓	" Tank Side Brackets, height above base line at toe of Frame and thickness <i>3-1/2 x 3-1/2 each 1/2 len. above tank top depending on shape. 44</i> ✓	✓	✓
" Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>7/8 4 7/8</i> ✓	✓	INNER BOTTOM PLATING		
" State if Frame Joggled.....	<i>Yes</i> ✓	✓	Breadth and thickness of Middle Line Strake.....	<i>1 1/2 width to suit deck plate</i> ✓	✓
" Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>Yes</i> ✓	✓	Thickness of remainder in <i>Holds E.Rm.</i> ✓	<i>52</i> ✓	✓
" Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>Yes</i> ✓	✓	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?.....	✓	✓
ANGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds.....	✓	✓	Uppermost Continuous Deck, amidships in Wells, Angle, <i>C or C</i>	<i>Longl. beams at upper Dk.</i> ✓	✓
Height of Brackets at side above base line at toe of frame.....	✓	✓	" " in way of Bridge, Angle, <i>C or C</i>	✓	✓
Middle Line Keelson, on Floors, Angles, <i>C or C</i>	✓	✓	" Spacing	<i>Aft 10x32x45 8x3x44 7x3x40</i> ✓	✓
" " Through Plate or Inter-costal Plate	✓	✓	Second Deck, amidships, Angle, <i>E or C</i>	<i>20x30 aft, 27x24 fwd</i> ✓	✓
" " Foundation Plate on Floors	✓	✓	" Spacing	✓	✓
" " Flat Plate Keel Angles	✓	✓	Third Deck, amidships, Angle, <i>C or C</i>	✓	✓
Side Keelsons, No. each side.....	✓	✓	" Spacing.....	✓	✓
" thickness of Inter-costal Plate.....	✓	✓	Fourth Deck, amidships, Angle, <i>C or C</i>	✓	✓
" Angles	✓	✓	" Spacing.....	✓	✓
DOUBLE BOTTOM. <i>in E.Rm. aft</i>			Poop Deck, Angle, <i>E or C</i>	<i>8x32x46 8x32x42 8x32x36</i> ✓	✓
Solid Floors, thickness and spacing	<i>42 30</i> ✓	✓	" Spacing.....	<i>30x24</i> ✓	✓
" Are Frame and Reversed Frame joggled?	<i>Yes</i> ✓	✓	Bridge Deck, Angle, <i>E or C</i>	<i>7x3x33</i> ✓	✓
Bracket Floors, breadth and thickness at middle line	✓	✓	" Spacing.....	<i>3 1/2</i> ✓	✓
" breadth and thickness at margin plate.....	✓	✓	Forecastle Deck, Angle, <i>E or C</i>	<i>9x32x38 8x3x35</i> ✓	✓
			" Spacing.....	<i>27x24</i> ✓	✓

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	✓	✓	Stringer Plate, breadth and thickness in way of Bridge	✓	✓
" in 'tween Decks, Size and Spacing	✓	✓	Thickness of Plating abreast Deck openings in way of Wells	✓	✓
" " " " " "	✓	✓	Thickness of Plating abreast Deck openings in way of Bridge.....	✓	✓
" in Holds " " " "	✓	✓	Thickness of Plating within line of openings..	.35-.38 aft ✓	✓
" " " " " "	✓	✓	If Sheathed, material and thickness.....	{ .07 E.P. Tank, all in way of fwd. pump room part elsewhere .30. ✓	✓
Wing Longl. Bulkheads 15'-0" PAS from C.L. ✓	Bottom Strake .51 ✓	Vertical Plating .40 ✓	Third Deck.		
Stiffeners and Spacing 31 ft. ✓	10 x 3 1/2 x 40 B.H. ✓	✓	Stringer Plate, breadth and thickness.....	✓	✓
Stringers upper and lower ✓	30 x 4 1/2 ft. 3 ✓	✓	If Plated, state thickness	✓	✓
Plating, thickness of	(see above)	✓	Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....	✓	✓
Uppermost Continuous Deck.			If Plated, state thickness.....	✓	✓
Stringer Plate, breadth and thickness in Wells 72 X .70 ✓	✓	✓	Poop Deck.		
" " " " in way of Bridge 72 X .70 ✓	✓	✓	Stringer Plate, breadth and thickness.....	39 X .58 ✓	✓
" " " " Bridge Ends 72 X .80 ✓	✓	✓	Plating, Sheathing, material and thickness28, not sheathed ✓	✓
" Angle in Wells 7 X 7 X .72 ✓	✓	✓	Bridge Deck.		
Thickness of Plating abreast Deck openings } in way of Wells70 ✓	✓	✓	Stringer Plate, breadth and thickness.....	62 X .44 ✓	✓
Thickness of Plating abreast Deck openings } in way of Bridge..... ✓	✓	✓	Plating, Sheathing, material and thickness ...	{ .30 + .32 not sheathed. ✓	✓
Thickness of Plating within line of openings... .60 & 46 SS ✓	✓	✓	Forecastle Deck.		
If Sheathed, material and thickness..... ✓	✓	✓	Stringer Plate, breadth and thickness.....	.38 varying width. ✓	✓
Second Deck.	Aft varying width .20-.33 ✓	✓	Plating, Sheathing, material and thickness...	.36 and .35 not sheathed. ✓	✓
Stringer Plate, breadth and thickness in Wells	fwd. 48 X .35 ✓	✓			

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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.....A.	53	99	82	82	77	DR	1	4	SR-4R	1 1/8 x 1	5-4	lapped	
„ Dblg. (if any)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Bottom Plating, No. of	8	65	65	60	54	DR	7/8	3 1/2	4R-3R	7/8	3 1/2-3 1/2	lapped	
StrakesA.....E	65	65	51	55	} .65-.51 ✓								
	9 1/2	66	55	54									
Bilge Plating, No. of	8	66	54	51									
Strakes1.....	87	65	58	62	.65-.51								
Side Plating, No. of	8	84											
Strakes3.....	82 1/4	64	48	48									
Upper Deck, Sheer-strake in Wells.....	63	98	48	48			1	4	SR-3R	1 1/8	5		
Upper Deck, Sheer-strake in Bridge ...	63	98	✓	✓			1 1/8	4 1/2	SR				
Strake below Sheer-strake in Wells.....	81	82	48	48					4R-3R	1 1/8	4-3 1/2		
Strake below Sheer-strake in Bridge ...	81	82	48	48	at ends of vessel				4R	1	4		
Poop Side Plating.....		✓	✓	40	✓	SR	7/8	3 1/8	SR	3/4	2 5/8		
Bridge Side Plating.....		44	✓	✓	✓	DR	3/4	3	DR				
Forecastle Side Plating		✓	44	✓	✓	SR	3/4	3	SR				

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c)	16 ✓
„ Deck next below	16
As per Rule	7

STIFFENERS.

			Plating Thickness.	STIFFENERS.			
				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D,	<i>Bottom strake and vertical plating Upper tween decks</i>		C.T. 10x5 ^{8A} x40 ✓	30'	Upper 26x30 14's 7/8" x 40, flgs 34x	8'-0"	
			W.T. 10x5 ^{8A} x46 ✓	31 3/4'	Lower 31 1/2 x 8's 40 36x40, flgs 34x ✓	8'-0"	
			39 in wings.				
"	Second	"	✓	✓	✓	✓	
"	Third	"	✓	✓	✓	✓	
"	Holds	"	✓	✓	✓	✓	
COLLISION	(in Hold)		11x3 ¹ 2x51B.A. ✓		Hor. Stringers	8'-0"	
		26-53	below O.T. Flat 5x3x-33B.A. in hold. ✓	24	and flats.	8'-0"	
AFTER PEAK			30-46	9x8x38BA to ✓	24	5x3x-39 in tw. dk. 2 nd OK +	7'-6"
				5x8x-38OA. ✓		Boiler Flat.	7'-9"

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓	✓	✓	✓
STEM <i>Rolled Bar</i>	✓	✓	✓	✓
STERN FRAME	Casting made by the Steel Co. of Scotland Ltd. in accordance with approved plan.			✓
Speed of Vessel		11½ Knots	✓	✓
RUDDER—Type	Double Plate fabricated			✓
" A × D	rudder, part welded and part riveted. Gudgeons of cast steel, stock forged			✓
" Diam. of head	steel made by The Darlington Forge Ltd. in accordance with approved plan.			✓
" Mainpiece at top pintle				✓
" " heel				✓
" how constructed				✓
" double or single plate coupling, vertical or				✓
" horizontal				✓

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *Open Hearth.*
Colvilles, Gt Keen Baldwins, Appleby-Frodingham Steel Co., Dorman Long, The Lanarkshire
Steel Co.

Has the Steel been tested as required by the Rules? *Yes*

"EMPIRE MACCOLL" CL. & Co. No. 1106 PARTICULARS OF LONGITUDINAL FRAMING.

LIVERPOOL F.E. No 120372

FRAMING.		AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.				
		In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.	
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam.	Speng.		Number.	Diameter.
Framing of L, L or C													
Frames in Bridge 'tween Decks ...													
Frames from Uppermost Continuous Deck No. 1													
" 2													
" 3													
" 4													
" 5													
" 6													
" 7													
" 8													
" 9													
" 10													
" 11													
" 12													
" 13													
" 14													
" 15													
" 16													
Spacing of Longitudinal Frames		Amidships			At Ends								
Cargo Tanks		Tank Top Longitudinals			Bottom								
Double Bottoms		17" x 4" x 4" x 48"			D = as								
Spacing of Longitudinals		30" centre tanks			31 1/4" wing tanks								
Transverses.		28" x 42"			D = as								
Upper OK		6" x 3 1/2" x 50" O.A.			Amidships								
Side Transverses (in 'tween Decks)		6" x 3 1/2" x 40" O.A.			Amidships								
Centre + Wing		3 1/2" x 3 1/2" x 42"			Amidships								
Bottom Transverses		Joggled			D = as								
Side In Centre Tanks (in Hold)		54" x 48"			Amidships								
Depth and Thickness		10" x 3 1/2" x 66" O.A.			Amidships								
Face Angles		Double			Amidships								
Lugs to Shell		Joggled			Amidships								
Back Bars (3 spaces from longl. bldgs. 3 1/2" x 3 1/2" x 48", 4 bldgs. 4" x 4" x 48" at Longl. bldg. 48", fl. 5" stiffened by 3 1/2" x 3" x 42" angles parallel to flange.		36" x 44"			Amidships								
Depth and Thickness		3 1/2" x 3 1/2" x 44"			Amidships								
Face Angles		Single			Amidships								
Bottom In Wing Tanks		6" x 6" x 44"			D = as								
Lugs to Shell		Single			Amidships								
Back Bars		Nil			Amidships								
Brackets		8'0" x 4'0" x 44"			5" flange at shell and longl. bldgs.								
Spacing of Transverse Frames		10'5"			Amidships								
State if joggled or liners.													
Longitudinal Beams of L, L or E		Bridge Deck ...			Upper side								
Second		8" x 3 1/2" x 44"			D = as Amidships								
Third		8" x 3 1/2" x 47"			Amidships								
Transverse Beams.		Plate.			Face Angles.								
Any Departure from Approved Plans to be Noted.													

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

lm.237. T.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

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Lloyd's Register Foundation

0251 2/3

Committee's Minute

Character assigned

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.*)

Vessel similar to "British Tradition" L'pool Rpt. No. 118395
 " " "Promise" - - - 118667
 " " "Restraint" - - - 119793
 except for modified erections.

except for modified erections.

PARTICULARS OF ELECTRIC WELDING (if employed) Transverse and longitudinal bulkhead corner angles. Shell chocks and plating lower decks and platforms. Hatch coamings on upper deck fabricated and welded to deck. Ventilator coamings.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. *1 DK, 2nd DK. clear of cargo tanks.*
DF, ESD, Gyro-Compass, Wireless, Cruiser stern, Mch. Aft, ∴ 10091, "Carrying oil fuel in bulk
F. P. above 150° F." Longitudinal framing at bottom and at deck.

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

1st Bower ~~45 cent.~~ 08rs 22/6s., J.H.T., N^o 5271, 23/10/42
2nd „ 45 cent. 1gr. 14/6s., J.H.T., N^o 5287 28/10/42
3rd „ ✓

53-9½ cu Yhd Rpt

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 101.8 ft., R.Q.D. ✓ ft., Bridge 53.5 ft., Forecastle 48.96 ft.

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

Official No. 168869 Signal Letters 1111 Extreme Breadth over Belting ✓ Over-all Length 482'-2"
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 DK (steel), 2nd DK. clear of cargo tanks. (Circ. 1611)

Parts of Bottom of Vessel coated with cement or approved composition. *Bottom of fore and after peaks and after well in E.Rm. cemented. Cement fillets in main cargo oil tanks to seams and butts.* ✓

Particulars of composition (if fitted) and of approval British Anti-Fouling

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,	✓	✓	Fore peak tank,	24.0	215.8
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	15.0	83.5
Double bottom, if under Engines only, <i>aft</i>	75.0	221.7	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	39.75	493.6
Double bottom, forward,	✓	✓	Other tanks, if fitted, <i>O.F. Bunkers + Settling Tanks</i>	10.00	488.0
Total length (if continuous) and Capacity	✓	✓	<i>F.O. Tanks aft above O.F.</i>	14.00	99.3
			<i>Lub. oil tanks P. T.W. O.K.</i>	7.50	10.6
			<i>(If necessary furnish further information by sketch.)</i>		
			<i>Lub. oil tanks S. " "</i>	10.00	11.5

Order for Special Survey No.

Date 10/9/41.

Dates of Surveys

1941
Oct 28¹⁹⁴² Aug 14 17. 21. 31. Sept 7. 9. 16. 21. 23. 25. 30. Oct 2. 5. 6. 14. 20. 23. 29. Nov 5. 10. 12. 19. 20. 25. 26. 30. Dec 2. 4. 7. 10. 15. 17. 21. 23. 28

1943
Jan 8. 12. 18. 19. 26. 29. Feb 3. 5. 8. 16. 18. 24. Mar 3. 5. 9. 17. 26. 29. Apr 1. 8. 15. 27. May 3. 7. 17. 18. 20. 21. 24. 27. June 4. 7. 8. 9. 10. 11. 12. 15. 17
19. 21. 22. 23. 24. 25. 30. 30. July 3. 5. 6. 8. 9. 10. 12. 13. 14. 15. 17. 19. 21. Aug 18. 26. Sept 3. 13. 21. 27. Oct 8. 11. 12. 14. 15. 20. 21. 25. 26. 28
Nov 1. 5. 8. 9. 11. 15. 16. 18. 19. 23. 24. 25.

Total No. of Visits

For S.S.O.F. see *British Restraint* (Ser. 119793)