

STEEL STEAMER OR MOTORSHIP.

DISCLOSED

28 OCT 1943

Received at London Office

SECTION

State if Report has been sent on the Freeboard of the Vessel. yesState if Report is sent on the Machinery of the Vessel. yes (from 7mc)

No. 767

Date of completion of report

25th October 1943Port of Sunderland

No. 33812

Survey held at SunderlandDate First Survey 23rd Dec 1942Last Survey 22nd Oct 1943

On the (State if Machinery fitted 3 ft and if Single, Twin or Triple Screw)

Single ScrewSS "EMPIRE CAMP"Machinery amidships

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

Intermediate between Y.S. & C.S.S.State Type of Erections Y.S. on upper deck

TONNAGE under Tonnage Deck ...

6555.97

CLASS 100 A.1State 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)

L 425.0

Breadth (greatest moulded)

B 56.0

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 37.67

1st Longitudinal Number (L x D)

15193.75

2nd Numeral L x (B + D)

38993.75

Framing Depth "d" at middle of length. See Sec. 3 (1d)

23.3

Proportions—Depth to Length—Uppermost continuous deck to top of keel

11.27

Do. Long Bridge to top of keel

Draught Moulded

26-7⁵/₈Built at SunderlandLaunched 1st June 1943 Yard No. 477Builders Short Brothers LimitedOwners Ministry of War TransportManagers Messrs Blue Star Line Ltd.

(Where necessary to be entered in Reg. Book)

Residence West Smithfield, London E.C.1.Port of Registry Sunderland

If surveyed while building, afloat, or in dry dock

while building

REGISTERED DIMENSIONS.

FEET

Length 431.0Breadth 56.3Depth 35.2

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	31	✓	Bracket Floors, Frame	✓	
" " from $\frac{3}{8}$ length amidships to Collision bulkhead	27	✓	" " Reversed Frame	✓	
" " in peaks	24	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 $\frac{1}{2}$ x 54	✓
Frame Amidships, Angle, [or]	12 x 3 $\frac{1}{2}$ x 32 x 32.9 lbs L	✓	" " top Angles	3 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x 48	✓
" " Extends up to	ALTERNATES AND H.E. BEAMS	✓	" " bottom Angles	4 x 4 x 54	✓
11/10 TUNNEL RECESS			" " 6 x 3 $\frac{1}{2}$ x 42 L TO SHELL		✓
Reversed Frame Amidships, Angle	10 x 3 $\frac{1}{2}$ x 48 L	✓	" " 6 x 3 x 42 L TO T.T.		✓
" " Extends up to	✓		Side Girders, No. each side and thickness	ONE	
Depth of Framing Girder	12	✓	Margin Plate depth (excl. of flange) and thickness	36 x 54	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	8 x 3 $\frac{1}{2}$ x 35 L EVERY 8' FROM 0' 3/5 L	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	6 x 6 x 44	✓
" " Second 'tween Decks, Angle, [or]	5 x 3 $\frac{1}{2}$ x 36 OA. AFT	✓	" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area	6 x 6 x 44	✓
" " Third	✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	14 x 42 CONTINUOUS FL 2 1/2	✓
" " from $\frac{1}{2}$ len. for'd. to 15% len. from Stem	12 x 3 $\frac{1}{2}$ x 32 x 32.9 lbs L	✓	" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area	14 x 42 do do	✓
AT PANTING AREA	15 x 4 x 40 L	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	95 x 44	✓
" " in Peaks, Angle or [8 x 3 $\frac{1}{2}$ x 35 L TO UPPER DK FOR 5' ON ALTERNATES	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 6 $\frac{1}{2}$ @ 3 $\frac{1}{2}$	✓	Breadth and thickness of Middle Line Strake	4 1/4 x 50	✓
State if Frame Joggled	yes	✓	Thickness of remainder in Holds	44, 52 UNDER HATCHES	✓
Are the scantlings and arrangements in the Panting Area 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	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes	✓	BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships	8 x 3 $\frac{1}{2}$ x 42 L	✓
Floors, Depth and thickness at mid-line in Holds	✓		" " in way of Bridge, Angle, [or]	✓	
Height of Brackets at side above base line at toe of frame	✓		Spacing	EVERY FRAME	✓
Middle Line Keelson, on Floors, Angles, [or]	✓		Second Deck, amidships, Angle, [or]	9 x 3 $\frac{1}{2}$ x 38 L	✓
" " Through Plate or Inter-costal Plate	✓		Spacing	EVERY FRAME	✓
" " Foundation Plate on Floors	✓		Third Deck, amidships, Angle, [or]	✓	
" " Flat Plate Keel Angles	✓		Spacing	✓	
Side Keelsons, No. each side	✓		Fourth Deck, amidships, Angle, [or]	✓	
" " thickness of Inter-costal Plate	✓		Spacing	✓	
" " Angles	✓		Poop Deck, Angle, [or]	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	42 EVERY FRAME	✓	Bridge Deck, Angle, [or]	✓	
" " Are Frame and Reversed Frame joggled?	yes	✓	Spacing	✓	
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, [or]	6 x 3 x 44 L 9 x 3 $\frac{1}{2}$ x 42 L	✓
" " breadth and thickness at margin plate	✓		Spacing	EVERY FRAME	✓

DISCLOSED
SECTION
No. 767

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Lloyd's Register
Foundation

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	ONE ✓		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	36" ✓
„ „ „ „ „ „	✓		Thickness of Plating abreast Deck openings in way of Bridge	✓
„ in Holds „ „ „ „	✓		Thickness of Plating within line of openings...	34" ✓
„ „ „ „ „ „	✓		If Sheathed, material and thickness	✓
Centre Line Bulkhead. TWEEN DECKS { 5x3x32 OA. & 7x3x32 @ 2 FEET SPACES ✓			Third Deck.	
Stiffeners and Spacing H.O.L.D.S. { 12x3 1/2 x 60 L to 9x3 1/2 x 40 L ✓		4 BHP INCREASED AS PER CIRCULAR M.S. 972/42 ✓	Stringer Plate, breadth and thickness	✓
Plating, thickness of H.O.L.D.S. { 26 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 65 5/8 x .65 ✓		Not as per Cir M.S. 972/42 see page 4 ✓	If Plated, state thickness	✓
„ „ „ „ in way of Bridge ✓			Poop Deck.	
„ Angle in Wells 6 x 6 x .60 ✓			Stringer Plate, breadth and thickness	✓
Thickness of Plating abreast Deck openings in way of Wells { 60 8 .55 ✓			Plating, Sheathing, material and thickness ...	✓
Thickness of Plating abreast Deck openings in way of Bridge	✓		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 82 3/4 x .38 ✓			Stringer Plate, breadth and thickness	35 x 36 ✓
			Plating, Sheathing, material and thickness...	32 50 UNDER W/LASS ✓

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.				
	AMIDSHIPS.		FORWARD.	AFT.	State if joggled?	EDGES.		BUTTS.	
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.	No. of Rows of Rivets.	RIVETS.
Flat Plate Keel	54	.80	.70	.73		DOUBLE	7/8 3 3/4	3R	7/8 4 ALTERNATE BUTTS WELDED DOUBLE STRAPS
„ Dblg. (if any) ✓									
Bottom Plating, No. of Strakes { A.C.D. }60 .65	.70 .70	.52 .52		do	7/8 3 3/4	4R	7/8 3 1/2 A.B.C LAPPED
Bilge Plating, No. of Strakes { E... }64	.57	.52		do	7/8 3 3/4	4R	7/8 3 1/2 SINGLE STRAPS
Side Plating, No. of Strakes { F.G.H. }60 .65	.45 .45	.45 .45		do	7/8 3 3/4	3R	7/8 3 5/32 LAPPED
Upper Deck, Sheer-strake in Wells	77 1/2	.73	.60	.46		do	7/8 3 3/4	4R	1 4 LAPPED
Upper Deck, Sheer-strake in Bridge ...	✓								
Strake below Sheer-strake in Wells	83 1/4	.65	.46	.46		do	7/8 3 3/4	3R	7/8 3 5/32 LAPPED
Strake below Sheer-strake in Bridge ...	✓								
Poop Side Plating	✓								
Bridge Side Plating	✓								
Forecastle Side Plating			.40			SINGLE	3/4 3	1R	3/4 2 5/8 LAPPED

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	7 ✓
„ Deck next below	7
As per Rule	7

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓			
STEM			ROLLED M.S. 10 x 2 1/2	
STERN FRAME { Propeller Post			M.S. FABRICATED AS PER	
{ Rudder „			APPROVED PLAN DORMAN LONG & CO	
Speed of Vessel			11 KNOTS	
RUDDER—Type			ORDINARY	
„ A x D			357	
„ Diam. of head			10	
„ Mainpiece at top pintle			10	
„ „ heel			7 1/2	
„ how constructed			FABRICATED	
„ double or single plate coupling, vertical or			DOUBLE	
„ horizontal			VERTICAL	

STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks	.26	5x3x42 OA	30	✓	✓		
„ „ Second „	✓						
„ „ Third „	✓						
„ „ Holds	10 8 1/2	45-26	12x3 1/2 x 32-9 lbs	30	✓		
COLLISION „ (in Hold) No. 161	53-29	10x3 1/2 x 44 L	24	✓			
AFTER PEAK „ „ No. 9	48-30	9x3 1/2 x 38 L	24	✓			

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Hearth
	Messrs Cargo Fleet, Corbett, South Durham, Affleby & Gillingham, Dorman Long Skinningrove
	Has the Steel been tested as required by the Rules? yes

EQUIPMENT No. 40052.75										LETTER a†		ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
1579	1st Bower	69	1	14	✓			53	10	0	0	✓	68	Hingley Challenge type 1 Hingley 6500 lbs	LPH-N 30-4-42 JAR
1582	2nd "	68	2	0	✓			52	18	3	0	✓	68	do	LPH-N 6-5-42 JAR
	3rd "												58½		
	Collective weight												194½		
56194	Stream	19	0	2	5	0	6	19	17	2	0	✓	19 (ex stock)	In Stock	LPH-CH 22-6-43 WUN

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.	
	Fathoms.	Diam. Ins.	Statutory Tons.	Breaking Tons.	Supplied Cwts.	qrs.	lbs.	Per Rule Cwts.	Fathoms.	Diam. Ins.					Fathoms.	Ins.		Fathoms.	Ins.
3293	270	2	100½	141½	583-2-14			720¾	270	2½	Tayco S. Taylor & Son	LPH-N 30-3-43 JAR		TOWLINE	120	4¾	64-6	120	4¾
														HAWSERS & WARPS	20-90	2¾	15-2	20-90	2¾
															20-75	3¼	21-7		
															90	4¾	64-6		
															20-75	2¾	15-2		
															As per specification				
															Block & tackle from				
															after winch				
															1024 ft motor lifboat 45 person				
															122 ft do 45 do				
															Boats 2024 ft do 33 do				
															not fitted				
															cleats supplied				

Steering Gear, Type (Power ~~or~~ hand) *Donkin (Steam)* Alternative Means of Steering *after winch*

Steering Chains (Size and Test) *Telemotor* Windlass *Emerson Walker Ltd* Boats *2024 ft do 33 do*

Ceiling in Holds, thickness and material *2½" W.W. at bilges (clear of refrigerated spaces)* Cargo Battens, thickness, material and spacing *not fitted*

Cargo Hatchways.-(Upper Deck) *Steel plates and angles (recessed)* Thickness of Hatches *2⅞" at No. 4; 2⅞" elsewhere*

Size of Hatchways No. 1 (Fwd.) *31'6" x 20'* No. 2 *31'0" x 20'* No. 3 *31' x 20'* No. 4 *12'11" x 20'* No. 5 *31' x 20'* No. 6 *31' x 20'*

Number of Shifting Beams } *5* *5* *5* *1* *5* *5*
and/or Fore and Afters }

Builder's Signature *George A. Short* FOR SHORT BROTHERS, LIMITED.

DIRECTOR

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).

The vessel has been built in accordance with the approved plans the Secretary's letter and the Society's Rules and embodies pre-fabricated parts. The materials and workmanship are good. The double bottom, fore and after peak and deep tanks have been tested under water pressure and found good. The decks, upper, second, and fore-castle, and casings, bulkheads, tunnel, doors in casings and ash chute have been tested and found good. The steering gear, secondary means of steering, and windlass have been tested whilst moored in the river. The bilge suction and hand pumps have been tested and found good. No cargo battens have been fitted but cleats supplied.

The third bower anchor has not been supplied.

Hatch covers fitted at second deck except at Nos 1, 6 and fore end of No 4.

The freeboard markings have been verified and cut in on the vessel's sides.

The amount of Entry Fee..... £ 10 : : *25* OCT 1943 Fees applied for, (Special notations, where part of class, to be stated.)

Special Survey Fee..... £ 376. 6. : : *94 16* Received by me, I am of opinion the Vessel should be Classed *100A1* (with freeboard)

Travelling Expenses, if any £ : : : 19

State whether the Vessel has been built under Special Survey *yes* Signature *R. Wilson* Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *SUNDERLAND.* Date of issue *8/12/43*

Committee's Minute *Warrington* TUES, 16 NOV 1943

Character assigned *+100A1 with Freeboard*

Lloyd's A & C.P. + LMC 10.43 20. CL.

Write Note.

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.)

SISTER VESSELS:-

S.S. "EMPIRE NEWTON"	SUNDERLAND REPORT NO	33287
S.S. "EMPIRE STORY"	do	33351
S.S. "EMPIRE KEATS"	do	33398
S.S. "EMPIRE SOUTHEY"	do	33439
S.S. "EMPIRE WEBSTER"	do	33504
S.S. "EMPIRE ENVOY"	do	33572
S.S. "EMPIRE BARDOLPH"	do	33637
S.S. "EMPIRE FRIENDSHIP"	do	33695
S.S. "EMPIRE MANOR"	do	33745

The following pre-fabricated parts have been embodied in the vessel:-
Centre girder, keel, floor, tank margins, bilge brackets, continuous gussets, shell plating tank top plating, deck plating, side frames, deck beams, B.A. intercostals, intercostals under engine and boilers, stringer angle, water tanks, derrick posts, masts, engine room and galley skylight.

Numbers 2, 3 and 5 holds and tween decks have been fitted to carry refrigerated cargo.

Tween deck hatch side girders, hatch end beams, and centre line bulkhead stiffeners at hatch ends increased as per paragraph 2 of Circular M.S. 972/42.
Upper deck plating not increased as per above Circular, pre-fabricated material having been used.

PARTICULARS OF ELECTRIC WELDING (if employed) W.T. bulkhead stiffener brackets to tank top, welded; tank side gussets and centre line bulkheads welded to tank top; fore and after peak tank top to shell; ventilator coamings to deck; second deck stringer chocks welded to shell and deck; second deck girder pider plate welded to gusset plate.

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

D.F. E.S.D. R.M.C. "SIX DIVISIONAL W.T. BULKHEADS IN 'TWEEN DECKS'."

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	42-3-11	J.D.	3970	6-2-42
	2nd "	42-2-13	J.D.	3969	6-2-42
	3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 39.5 ft.

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

Official No. 169124 Signal Letters Extreme Breadth over Belting Over-all Length 446.5

No. and Material of Decks 2 DECKS (STEEL)

Parts of Bottom of Vessel coated with cement or approved composition Cement in double bottom tanks, peak tanks and bilges.

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft,	62.0	236	Fore peak tank,	23.5	190
Double bottom, under Engines and Boilers,	46.5	217	After peak tank,	20.0	110
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	43.91	328
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	14.00	258
Double bottom, forward,	209.75	839	Other tanks, if fitted,	✓	✓
Total length (if continuous) and Capacity	318.25	1292	(If necessary furnish further information by sketch.)	✓	✓

Order for Special Survey No. 6044

Date 28.7.42

Dates of Surveys held while building

1942. Dec. 23. 1943. Jan. 22. 25. Feb. 2. 10. 16. 17. 19. 22. 25. Mar. 2. 3. 9. 12. 16. 17. 18. 22. 24. 25. 29. 31. Apr. 1. 5. 8. 9. 12. 13. 16. 20. 21. 22. 29. 30. May. 17. 18. 19. 20. 21. 26. 27. 28. 31. June 2. 4. 5. 10. 11. 12. 15. 16. 17. 25. July. 2. 6. 13. 14. 16. 19. 20. 22. 26. 27. 28. 29. 30. Aug. 3. 4. 5. 6. 7. 21. 25. 27. 30. 31. Sep. 1. 2. 3. 6. 8. 9. 10. 13. 14. 15. 16. 17. 21. 22. 23. 24. 25. 27. 28. 29. 30. Oct. 4. 5. 7. 8. 11. 14. 16. 18. 21. 22

Total No. of Visits 107