

STEEL ~~STEAMER~~ OR MOTORSHIP.

Received at London Office

State if Report has been sent on the Freeboard of the Vessel *Yes*

WRECK SECTION.

State if Report is sent on the Machinery of the Vessel *Yes*

No. 329.

Date of completion of report *13th April 1943*Port of *Sunderland*No. *33668*Survey held at *Sunderland*Date First Survey *4th August 1942*Last Survey *6th April 1943*

Name of the Vessel (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

MY EMPIRE COMMERCE Single Screw Machinery Aft

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

*Full Scantling*State Type of Erections *Prop, etc*Net Tonnage under Tonnage Deck ... *3076.65*CLASS *+100A.1.* State if with freeboard as condition of Class *No*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) *335'-0"*Breadth (greatest moulded) *B 48'-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 26'-9"*1st Longitudinal Number (L x D) *8700*2nd Numeral L x (B + D) *24800*Framing Depth "d," at middle of length. See Sec. 3 (1d) *✓*Proportions—Depth to Length—Uppermost continuous deck to top of keel *12.52*Do. Long Bridge to top of keel *✓*Draught Moulded *21'-9 1/4"*Built at *Sunderland*Launched *23.12.42* Yard No. *748*Builders *Swifans Lang & Son Ltd*Owners *Ministry of War Transport*Managers *Hadley Shipping Co. Ltd.*

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry *Sunderland*If surveyed while building, afloat, or in dry dock *✓**YES.*

REGISTERED DIMENSIONS.

FEET

*343.5**48.3**26.5*

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	✓		Bracket Floors, Frame	✓	
" " from 1/2 length amidships to Collision bulkhead	✓		" " Reversed Frame	✓	
" " in peaks	<i>24</i> ✓		" " Vertical Struts	✓	
DE FRAMING. <i>Longitudinal.</i> ✓			Centre Girder, depth and thickness amidships	<i>52 x 39 x 47</i>	
Frame Amidships, Angle, [or]	✓		" " top Angles	<i>3 1/2 x 3 1/2 x 7/16</i> <i>app 3-3</i>	
" " Extends up to	✓		" " bottom Angles	<i>3 1/2 x 3 1/2 x 7/16</i> ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	<i>2.</i> <i>Thickness at per Prof. & Dk. plan. See Notes 30.4.43</i>	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	✓	
Depth of Framing Girder	✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	✓	
" " Second 'tween Decks, Angle, [or]	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	✓	
" " from 1/2 len. for'd. to 15% len. from Stem	<i>AR 7 x 3 1/2 x 33</i> ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	✓	
" " in Peaks, Angle or [<i>EP 7 x 3 x 33</i> ✓		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	✓		Breadth and thickness of Middle Line Strake	<i>42 x 47</i> ✓	
State if Frame Joggled	✓		Thickness of remainder in Holds	<i>42 x 47</i> ✓	
Are the scantlings and arrangements in the Panting Area 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?	✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>YES</i> ✓		BEAMS. <i>Longitudinal.</i> ✓		
SINGLE BOTTOM. in Centre Tanks.			Uppermost Continuous Deck, amidships in Wells, Angle, [or]	✓	
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	✓	
Middle Line Keelson, on Floors, Angles, <i>3 1/2 x 3 1/2 x 3/8</i> ✓			Second Deck, amidships, Angle, [or]	✓	
" " Through Plate or Inter-costal Plate	<i>38</i> ✓		Spacing	✓	
" " Foundation Plate on Floors	✓		Third Deck, amidships, Angle, [or]	✓	
" " Flat Plate Keel Angle	<i>6 x 6 x 1/2</i> ✓		Spacing	✓	
Side Keelsons, No. each side	✓		Fourth Deck, amidships, Angle, [or]	✓	
" " thickness of Inter-costal Plate	✓		Spacing	✓	
" " Angles	✓		Poop Deck, Angle, [or] <i>Longitudinal</i> <i>5 x 3 1/4</i>		
DOUBLE BOTTOM. <i>Aft.</i>			Spacing	<i>30</i> ✓	
Solid Floors, thickness and spacing	<i>36 every</i> ✓		Bridge Deck, Angle, [or]	✓	
" " Are Frame and Reversed Frame joggled?	<i>YES</i> ✓		Spacing	✓	
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, [or] <i>6 x 3 1/2 x 5/16</i>		
" " breadth and thickness at margin plate	✓		Spacing	<i>20 x 4</i> ✓	

PILLARS AND DECKS.					
	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		
PILLARS, No. of Rows		✓			
" in 'tween Decks, Size and Spacing		✓			
" " " " " "		✓			
" in Holds " " " "		✓			
2 Long- Centre Line Bulkheads Stiffeners and Spacing L @ 30"		✓	10 x 3 1/2 x 7/16 ✓ 7 x 3 x 3/8 ✓		
Plating, thickness of		✓	46 & 38 ✓		
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells		✓	85 1/2 x 52 ✓	app'd. 48 ✓	
" " " " in way of Bridge		✓	stringer plate welded to shell. ✓		
" Angle in Wells					
Thickness of Plating abreast Deck openings } in way of Wells		✓	38 ✓		
Thickness of Plating abreast Deck openings } in way of Bridge.....		✓			
Thickness of Plating within line of openings...		✓			
If Sheathed, material and thickness.....		✓			
Second Deck.					
Stringer Plate, breadth and thickness in Wells		✓			
Stringer Plate, breadth and thickness in way of Bridge }		✓			
Thickness of Plating abreast Deck openings }		✓			
Thickness of Plating within line of openings...		✓			
If Sheathed, material and thickness.....		✓			
Third Deck.					
Stringer Plate, breadth and thickness.....		✓			
If Plated, state thickness		✓			
Fourth Deck.					
Stringer Plate, breadth and thickness.....		✓			
If Plated, state thickness.....		✓			
Poop Deck.					
Stringer Plate, breadth and thickness.....		✓	32 ✓		
Plating, Sheathing, material and thickness ...		✓	26 x 30 ✓		
Bridge Deck.					
Stringer Plate, breadth and thickness.....		✓			
Plating, Sheathing, material and thickness ...		✓			
Forecastle Deck.					
Stringer Plate, breadth and thickness.....		✓	32 ✓		
Plating, Sheathing, material and thickness...		✓	32 ✓		

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled?	No.	NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.					SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.
	Inches.	Inches.	Inches.	Inches.					Inches.	Inches.		
Flat Plate Keel.....	66	.78	.64	.65		D	1	4	4	1	4	
„ Dblg. (if any)												
Bottom Plating, No. of Strakes A. B.	C	.59	.65	.43		D	7/8	3 1/2	4	7/8	3 1/2	
Bilge Plating, No. of Strakes	D	.57	.43	—		D	7/8	3 1/2	4	7/8	3 1/2	
Side Plating, No. of Strakes E.		.50	.42	.42		D	7/8	3 1/2	3	7/8	3 1/2	
Upper Deck, Sheer-strake in Wells.....	87	.66	.42	.42		D	7/8	3 1/2	4	7/8	3 1/2	
Upper Deck, Sheer-strake in Bridge ...												
Strake below Sheer-strake in Wells.....	87	.54	.42	.42		D	7/8	3 1/2	3	7/8	3 1/2	
Strake below Sheer-strake in Bridge ...												
Poop Side Plating.....			.38			S	3/4	2 5/8	1	3/4	2 5/8	
Bridge Side Plating.....												
Forecastle Side Plating			.38			S	3/4	2 5/8				

Butts of Shell welded, forward of Fore Cofferdam Bulkhead. Shell, built to order at New York, N.Y.

Total No. of W.T. BULKHEADS in Vessel—
Extending to Upper Deck (Sec. 3 c) 11 12 see plan
,, Deck next below
As per Rule 5

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar				
STEM				
STERN FRAME	{ Propeller Post { Rudder "	Cast 12" x 12"	✓	
Speed of Vessel		12 1/4 knots	✓	
RUDDER—Type				
" A x D.....		16 1/4	✓	
" Diam. of head		7'	✓	on plan
" Mainpiece at top pintle		11 1/2	✓	
" " heel ...		8	✓	
" how constructed		fabricated	✓	
" double or single plate		50	✓	
" coupling, vertical or		Horizontal		
" horizontal				

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D,	CENTRE TANKS Upper ^{Upper} between decks	48" x 40" 12" 3 1/2" x 45" L	36"	16 GIRDER	40" x 42" 4" 8"	
"	WING TANKS Second	48" x 40" 12" 3 1/2" x 45" L	36"	16 GIRDER	33" x 40" 4" 6"	
"	Third	✓				
"	Holds	✓				
COLLISION	(in Hold) N° 65	46-30 7" 3" x 33" L	27"	FLAT 2	GIRDERS 18" x 34"	
AFTER PEAK	N° 2/9	40-30 8" L etc.	36"	FLAT 1 f.s.		

Has the Steel been tested as required by the Rules? YES

M.V. EMPIRE COMMERCE
PARTICULARS OF LONGITUDINAL FRAMING.

SUNDERLAND. N^o 33668

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.	Rivets in Brackets to Bulkheads.			
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam.	Speng.		Number.	Diameter.		
Framing of L, L or C		L													
Frames in Bridge 'tween Decks ...		✓													
Frames from Uppermost Continuous Deck No. 1		8 x 3 1/2 x .35 ✓							7/8	5 1/4	throughout				
" 2		do. ✓							7/8	5 1/4	do.				
" 3		8 x 3 1/2 x 7/16 ✓							7/8	5 1/4	do.				
" 4		9 x 3 1/2 x 3/8 ✓							7/8	5 1/4	do.				
" 5		do. ✓							7/8	5 1/4	do.				
" 6		9 x 3 1/2 x 7/16 ✓							7/8	5 1/4	do.				
" 7		do. ✓							7/8	5 1/4	do.				
" 8		10 x 3 1/2 x 7/16 ✓							7/8	5 1/4	do.				
" 9		12 x 3 1/2 x 3 1/2 x .36 ✓							7/8	5 1/4	do.				
" 10									7/8	5 1/4	10 Rivs @ 4"				
" 11									7/8	5 1/4	do.				
" 12									7/8	5 1/4	do.				
" 13									7/8	5 1/4	do.				
" 14									7/8	5 1/4	do.				
" 15									7/8	5 1/4	do.				
" 16									7/8	5 1/4	do.				
Spacing of Longitudinal Frames		Amidships			30" - 34 1/2" ✓										
		At Ends													
Double Bottoms		Tank Top Longitudinals													
L or C		Bottom			15 x 4 x 4 x .62 ✓				7/8	4 7/8	10 Rivs @ 3 1/8"				
Spacing of Longitudinals		Amidships			36" ✓										
		At Ends...													
BOTTOM, Transverses.															
CENTRE		Depth and Thickness			39 x .43 ✓										
Side TANKS (in 'tween Decks)		Face Angles			6 x 3 1/2 x 3/8 OA @ 9 1/2" ✓										
		Lugs to Shell*			Plate welded to shell ✓										
WING		Depth and Thickness			33 x .40 ✓										
Side TANKS (in Hold)		Face Angles			6 x 3 1/2 x 3/8 OA ✓										
		Lugs to Shell*			6 x 6 x 3/8 INTER. ✓										
		Depth and Thickness			30 x 40 fl. 6" ✓										
SIDE TRANSVERSSES Bottom		Face Angles			✓										
		Lugs to Shell*			6 x 6 x 3/8 INTER. ✓										
		" " Back Bars ...			✓										
		Brackets			✓										
Spacing of Transverse Frames		9' 1 1/2" - 10' 0" ✓			span										
* State if jogged or liners.															
Longitudinal Beams of L, L or C		Bridge Deck ...			✓										
		Upper			8 x 3 1/2 x 7/16 ✓										
		Second			✓										
		Third			✓										

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.

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.

EQUIPMENT No. 26440 see Mtd. Sect. LETTER 25												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.					
H2960	1st Bower	49	1	7				41	19	2	21	48 3/4	Stockless	✓	LPHS 11-1-43 R.J.V.	
H2959	2nd "	49	1	0	✓			41	18	0	14	48 3/4	do		do.	
	3rd "											41 1/2				
	Collective weight											139				
1742	Stream	13	1	6	✓	3	1	18	15	1	2	7	13 (ex stock)	Iron Stock		LPHN 27-11-42 J.A.R.

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.	
	Length.	Diam.	Statutory.	Breaking.	Supplied.			Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms	Ins.					Fathoms	Ins.	Tons.	Fathoms	Ins.
1231	120 1/2	2	72	100 20	241	3	12		270	2	Steel 1/4" Hingley Link	Y. Hingley & Son Ltd	LPHN 21-11-42 JAR	TOWLINE	120	4	33-2	120	4
1493	105 3/4	2	72	100 20	211	1	22				do.	do.	do. 25-11-42 JAR	HAWSERS & WARPS	4090	2 1/2	13-2	409	2 1/2
	295 5/8																		
Iron Stream Chain or Steel Wire	90	4 1/2							90	4 1/2									

Steering Gear, Type (Power or hand) Donkin Alternative Means of Steering Auxiliary Black Jack

Steering Chains (Size and Test) Telemotor Windlass Emerson Walker Boats 2-24 steel motorboats

Ceiling in Holds, thickness and material ✓ Cargo Battens, thickness, material and spacing ✓

Cargo Hatchways. (Upper Deck) steel coaming 10" x 3/4" Thickness of Hatches 40 O.T. Hatch

Size of Hatchways No. 1 (Fwd.) 48" dia. No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters ✓ For hatchways see Jtd Rpt

Builder's Signature Alan J. Mann Managing Director, SIR JAMES LAING & SONS LIMITED,

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 motorship

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo tanker 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 plan, the Secretary's letter, & the Rules.

The materials & workmanship are good.

The freeboard marks have been verified & cut in on the vessel's sides.

The double bottom, fore & after peak, F.W., cargo oil, tanks, O.F. bunkers, cofferdam, have been tested in accordance with the Rules.

The deck, steering gear, emergency steering gear, windlass, have been satisfactorily tested.

The equipment of anchor & cables has been reduced as per Secretary's letter of 22.2.40 & 21.9.40.

The following reports are enclosed :- Stem Frame, Rudder Head & Frame.

Fuel oil (F.P. above 150°F) carried in Forward & after Cross Bunkers.

The amount of Entry Fee..... £ 7.10 Fees applied for, 8 Oct. 1943

Freeboard Special Survey Fee..... £ 39.13 Received by me, 19

Specification Travelling Expenses, if any £ 97.18

I am of opinion the Vessel should be Classed + 100 A1

State whether the Vessel has been built under Special Survey YES Signature W. E. Challa

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to SUNDERLAND. Date of issue 17/5/43

Committee's Minute WED. 28 APR 1943

Character assigned + 100 A1

Carrying Petroleum in bulk

Lloyd's A.R.C.P. + LMC H. 43 CL

Write Spd

DB 150

Oil Eng

Lloyd's Register

Foundation

W1185-00203/m

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 placed in dry dock, bottom & rudder cleaned, examined, & coated.

PARTICULARS OF ELECTRIC WELDING (if employed)

Butts of fore end shell welded, longitudinal bulkheads welded to deck & shell, transverse bulkheads in centre tanks welded to deck & shell, upper deck stringer plating welded to shell, butts of upper deck centre stake welded, 1st deck plating all welded, horizontal girders in centre & wing tanks welded to bulkheads, bottom transverse in centre tanks welded to shell, hatch & ventilator coaming welded to deck.

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

D.F.

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

1st Bower	including pins	33	0	7	A.E.G.	4631	H. 12.42.
2nd "		33	2	0	A.E.G.	4632	H. 12.42.
3rd "							

See letter
30.4.43

87.29' see letter 30.4.43

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 90.21 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 33' ft.

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

Official No. 169112 Signal Letters ✓ Extreme Breadth over Belting (Circ. 1611) ✓ Over-all Length 357'7" (Circ. 1703)

No. and Material of Decks. One steel deck.

Parts of Bottom of Vessel coated with cement or approved composition ✓

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,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,	18.5	99 ✓
Double bottom, if under Engines only,	62.5	42.5	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	13.5	275 ✓
Double bottom, forward,			Other tanks, if fitted,	3.00	99
Total length (if continuous) and Capacity	62.5	42.5	(If necessary furnish further information by sketch.)		

COLLISION

AFTER PEAK

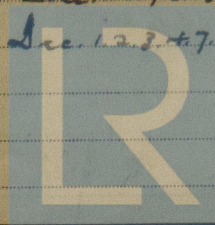
Order for Special Survey No. 6032

Cons. 12.5.42

Dates of Surveys held while building

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

Has the Steel be



Lloyd's Register Foundation
Total No. of Visits 69