

STEEL STEAMER OR MOTORSHIP

13 SEP 1944

Received at London Office

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

31/8/44

Port of

NEWCASTLE-ON-TYNE

No.

102336

Survey held at

Newcastle-on-Tyne

Date First Survey

(1943) Apr. 6th

Last Survey

*Aug. 29th**1944*

On the

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

*Steel, Single Screw Steamer**"EMPIRE LADY"**Machinery amidships*

State Type

(Full Sailing, Complete Superstructure with or without Tonnage Openings)

Intermediate between F.S. and C.S.S.

State Type of Erections

Forst only

TONNAGE under Tonnage Deck ...

*6546.66*CLASS *+ 100. A.1.*

State if with freeboard as condition of Class

Yes.

Built at

Newcastle

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 425.00

Launched

20/6/44

Yard No.

8

Total

Gross Tonnage

7046.04

Net Tonnage

4746.64

Breadth (greatest moulded)

B 56.00

Builders

Shipbuilding Corpⁿ Ltd. (Tyne Branch)

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

Owners

Ministry of War Transport

1st Longitudinal Number (L x D)

15193.75

Managers

Elders & Tyffers, Ltd.

(Where necessary to be entered in Reg. Book)

Residence

London

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

23.3

Port of Registry

Newcastle

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

11.27

If surveyed while building, afloat, or in dry dock

Building.

Do. Long Bridge to top of keel

Draught Moulded

26'-7½"

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 ½ length amidships to Collision bulkhead	27	✓	" " Reversed Frame	-	
" " in peaks	24	✓	" " Vertical Struts	-	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43½ x .54	✓
Frame Amidships, <i>Angle, [or]</i>	12 x 3½ x 3½ x .50	✓	" " top Angles	double 3½ x 3½ x .48	✓
" " Extends up to	2 nd & Upper Decks alternately	✓	" " bottom Angles	double 4 x 4 x .58	✓
Reversed Frame Amidships, Angle	-		Side Girders, No. each side and thickness	One 6 x 3½ x .42 B. Struts 6 x 3 x .42 B.	
" " Extends up to	-		Margin Plate depth (excl. of flange) and thickness	36 x .54	✓
Depth of Framing Girder	-		" " Vertical Angle to Tank side Bracket abaft ½ len. from stem	6 x 6 x .44	Single ✓
Frames in Uppermost Continuous 'tween Decks, <i>Angle, [or]</i>	As above	✓	" " Vertical Angle to Tank side Bracket from forward ½ len. from stem to Panting Area	6 x 6 x .44	Single ✓
" " Second 'tween Decks, Angle, [or]	-		" " Gussets, spacing and scantling abaft ½ len. from stem	14 x .42	✓
" " Third	-		" " Gussets, spacing and scantling from forward ½ len. from stem to Panting Area	14 x .42	✓
" " from ½ len. for'd. to 15% len. from Stem	12 x 3½ x 9/16	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	95 x .44	✓
" " in Peaks, <i>Angle, [or]</i>	8 3½ x .35	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" multiple spacing 8 apart to 5-3/4"	✓	Breadth and thickness of Middle Line Strake	71½ x .50	
State if Frame Joggled	Yes	✓	Thickness of remainder in Holds	.44	✓
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 3½ x .42	✓
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	31	✓
Middle Line Keelson, on Floors, Angles, [or]			Second Deck, amidships, <i>Angle, [or]</i>	9 x 3 x .36	✓
" " Through Plate or Inter-costal Plate			Spacing	31	✓
" " 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 @ 31"	✓	Bridge Deck, Angle, [or]	-	
" " Are Frame and Reversed Frame joggled?	Yes	✓	Spacing	9 x 3 x .46	✓
Bracket Floors, breadth and thickness at middle line	-		Forecastle Deck, <i>Angle, [or]</i>	6 x 3 x .44	✓
" " breadth and thickness at margin plate	-		Spacing	27" & 24"	✓

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	✓	36
„ „ „ „ „	✓		Thickness of Plating abreast Deck openings in way of Bridge.....	✓	34
„ in Holds „ „ „	✓		Thickness of Plating within line of openings...	✓	
„ „ „ „ „	✓		If Sheathed, material and thickness.....	✓	
Centre Line Bulkhead. <i>Hold</i> <i>12x3 1/2 x 3 1/2 x 45</i> <i>Spaced</i>			Third Deck.		
Stiffeners and Spacing <i>Low Decks</i> <i>5 x 3 x 32 L</i> <i>62"</i>			Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of <i>Hold</i> <i>30</i>			If Plated, state thickness		
„ <i>Low Decks</i> <i>26</i>					
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness <i>65 1/2 x 65</i>			If Plated, state thickness.....		
„ „ „ „ in way of Bridge	✓				
„ Angle in Wells <i>6 x 6 x 60</i>			Poop Deck.		
Thickness of Plating abreast Deck openings <i>65</i> <i>Approved 55</i>			Stringer Plate, breadth and thickness.....	✓	
Thickness of Plating abreast Deck openings <i>65</i> <i>Approved 60</i>			Plating, Sheathing, material and thickness ...		
Thickness of Plating within line of openings... <i>40</i>			Bridge Deck.		
If Sheathed, material and thickness.....	✓		Stringer Plate, breadth and thickness.....	✓	
Second Deck.			Plating, Sheathing, material and thickness ...		
Stringer Plate, breadth and thickness <i>82 3/4 x 38</i>			Forecastle Deck.		
			Stringer Plate, breadth and thickness.....	✓	36
			Plating, Sheathing, material and thickness...	✓	32 (Unsheathed)

SHELL PLATING.

SCANTLINGS.					RIVETING. (Amidships)						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. No. ✓		BUTTS. APPROVED. SEE LETTER WITH "EMPIRE STANDARD"			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.	
Flat Plate Keel.....	54	80	70	70		Double ✓	1/8 3 1/2	Three ✓	7/8	4	Double straps, welding alternately.
„ Dblg. (if any)											
Bottom Plating, No. of Strakes <i>A, C, D</i> <i>B</i>		65	50	50		Double ✓	7/8 3 1/2	Quad ✓	7/8	3 1/2	A, B, C lapped inside straps.
Bilge Plating, No. of Strakes <i>E</i>		64	50	50		Double ✓	7/8 3 1/2	Quad ✓	7/8	3 1/2	Inside straps.
Side Plating, No. of Strakes <i>F, G</i> <i>H, J</i>		60	45	45		Double ✓	7/8 3 1/2	Three ✓	7/8	3 1/8	lapped.
Upper Deck, Sheer-strake in Wells.....	77 1/2	73	46	46				Four ✓	1	4	lapped.
Upper Deck, Sheer-strake in Bridge ...											
Strake below Sheer-strake in Wells.....											
Strake below Sheer-strake in Bridge ...											
Poop Side Plating.....											
Bridge Side Plating.....											
Forecastle Side Plating			40			Single	3/4 3	Single	3/4	2 5/8	lapped.

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c) <i>Collision Bhd.</i>	6
„ Deck next below	6
As per Rule	7

6 divisional W.T. Bhd. in 'tween Decks, intact excepting W.T. Bhd 58 where hinged W.T. doors fitted in Refrig. Mach^y Room.

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
16, 27, 34, 58, 87, 109, 133, 161.					
MIDSHIP BULKH'D, Upper 'tween decks	26	5 x 3 x 42 L	30"		
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds 109	45	12 x 3 1/2 x 3 1/2 x 30	30"		
„ „ (in Hold) 161	53	10 x 3 1/2 x 44 B	24"		
COLLISION „	9	48	30	9 x 3 1/2 x 38 B	24"
AFTER PEAK „					

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓			
STEM		10 x 2 1/2 steel plates.		
STERN FRAME { Propeller Post				
{ Rudder „				
Speed of Vessel		under 12 knots.		
RUDDER—Type		Streamlined.		
„ A x D.....		578		
„ Diam. of head		11 5/8		
„ Mainpiece at top pintle				
„ „ heel				
„ how constructed				
„ double or single plate		double		
„ coupling, vertical or horizontal		Vertical		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used (in the construction of the Vessel (state process of manufacture) *Open Hearth*
Dorman Long, Appleby Frodingham, South Durham, Cargo Fleet, Skinningrove,
Golwilles, Rame etc.

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

EQUIPMENT No. 40052.75 ✓												LETTER af ✓		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.	Cwts.				
1137	1st Bower ..	68	0	14	✓			52	15	2	14	✓	68 ✓	Stockless	H. Hingley & Sons Ltd.	held - 26/9/41 - Ref.
1152	2nd „ ..	67	3	14	-			57	12	2	0	✓	68 ✓	Do	Do.	-
	3rd „ ..												58½ ✓			
	Collective weight												194½ ✓			
54579	Stream	18	3	21	4	3	21	19	17	2	0	✓	19 ✓	Ordinary forged iron	-	C.H. - 15/12/41 - Paul.

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	Ins.	Stations	Break-ing.	Supplied.	Per Rule.	Fathoms	Ins.	Fathoms	Ins.					Fathoms	Ins.		Fathoms	Ins.
64266A	120½	2¾			325 - 1 - 9		720¾	270	2¾		stud		C.H. - 11/11/41 - Paul		120	4¾	64.6	120	4¾
64520B.1	60	2¾			158 - 1 - 3						stud		C.H. - 19/12/41 - Paul		90	4¾	64.6		
64504	14½	2¾			39 - 1 - 13						stud		C.H. - 30/12/41 - Paul						
64506	14½	2¾			40 - 3 - 8						stud		C.H. - 30/12/41 - Paul						
64507	15½	2¾			41 - 0 - 3						stud		C.H. - 30/12/41 - Paul						
Also joining 9 end shackles, cert. nos. 64520.8.2, 64520.8.19392.																			
Total c.c. Iron Stream	224½																		
Steel Wire	90	5"			528				90	5"									

Steering Gear, Type (Power or hand) Donkin's (Stm. Telemotor) Alternative Means of Steering Block & tackle from after winch

Steering Chains (Size and Test) 2½" O.P. over bulges only. Windlass Clarke, Chapman & Co. Boats 1 Motor, 3 ordinary.

Ceiling in Holds, thickness and material T.T. + 08" in way of hatchways. Cargo Battens, thickness, material and spacing Not fitted in 1, 4 & 6. Holds and Tween Dks.

Cargo Hatchways. (Upper Deck) Steel plates 9 angles. Thickness of Hatches 2½", 3", @ No. 4.

Size of Hatchways No. 1 (Fwd.) 31'6" x 20' No. 2 31' 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 and/or Fore and Afters 5 / - 5 / - 5 / - 1 / - 5 / - 5 /

Builder's Signature SHIPBUILDING CO. LTD. (TYNE BRANCH)

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).

This ship has been built in conformity with the Society's Rules and Regulations and the Secretary's letters. The scantlings and arrangements are in accordance with, or equivalent to, those shown on the approved plans. The materials and workmanship are good. The double bottom, peak, and deep tanks have been tested by water pressure and the weather decks, W.T. Bds., & tunnel have tested as required by the Rules & found satisfactory. The main and auxiliary steering gears & the windlass have been tried, under power, as the vessel lay at the Builder's quay, & found satisfactory. The pumping arrangements have been satisfactorily tested. Winches & directional winches are fitted. The assigned freeboards have been marked on the vessel's sides, verified, & cut in.

The equipment of anchors & cables has been reduced in accordance with the Emergency Regulation & the Secretary's letters. Nos. 2, 3, & 5 Holds & Tween Decks are to be insulated later for the carriage of Refrigerated cargoes. Cargo battens are not fitted in Holds & Tween deck.

Hatch covers have been fitted to all 2nd deck hatchways. See letter 21.9.44

The amount of Entry Fee £ 10 - - Fees applied for, 112 SEP 1944 (Special notations, where part of class, to be stated.)

Special Survey Fee £ 376 : 3 - Received by me, 19

Supervision Spn. 94 : 0 : 9 I am of opinion the Vessel should be Classed +100.A.1.

Travelling Expenses, if any £ - - with freeboard.

Freeboard 18 - - Signature R. H. H. H.

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

Certificate to be sent to Newcastle Date of issue 4/10/44

Committee's Minute
Character assigned

TUES. 19 SEP 1944

+100.A.1 with freeboard
Lloyd's A.C.P. + L.M.C. 8.4.44 70. CL
258 Sph. 70. 220lb.
1 Am. 50

Write Note

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Lloyd's Register
Foundation

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.)

Partially fabricated "B" Type vessel, sister to same builder's "Empire Abbey", Newcastle Report 10/1948.

Plans

In London Office.

Certificates enclosed.

Stern frame.

Rudder.

Rudder Stock.

Masts.

Derrick Posts.

7. W. Tanks.

PARTICULARS OF ELECTRIC WELDING (if employed) Murex.

Stern frame & rudder - alternate butts of keel & centre girder - gussets to margin - shaft tunnel - 2nd Deck Stringer chocks - ash shoot - masts & vent. coamings.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book + 100. A.I. with freeboard - cruiser stem - Lloyd's A.C.P. - D.F. & E.S.D..

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

1st Bower

Weight & pin = 42-1-22 - J.D. - 3754 - 15-7-41

2nd "

D^o = 42-2-10 - J.D. - 3756 - 24-7-41

3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 39.46 ft.

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

Official No. 169183 Signal Letters G.B.R.P. Extreme Breadth over Belting Over-all Length 446.27'

No. and Material of Decks 2 decks (steel)

Parts of Bottom of Vessel coated with cement or approved composition Double bottom under boilers & bldgs; remainder rivets heads covered with cement, & steel work cement washed.

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.	
	Feet.	Tons.	Feet.	Tons.	Feet.	Tons.
Double bottom, aft, No 6	62.0	230			Fore peak tank, Lower 105 lms, Upper 38	143
Double bottom, under Engines and Boilers,					After peak tank, 20	107
Double bottom, under Engines only (F.W.) No 5	28.42	130			Deep tank, aft, (No 4 D.B. and tunnel wings)	311
Double bottom, under Boilers only No 4A	18.08	86			Deep tank forward, removed Total, P.T.S.	248
Double bottom, forward, No 1, 2, 3 and 4.	209.75	825			Other tanks, if fitted,	
Total length (if continuous) and Capacity	318.25	1271			(If necessary furnish further information by sketch.)	

Order for Special Survey No. 5682

Date 3. 3. 43

Dates of Surveys held while building

(1943) Apr. 6, 8. May 6 June 3, 9, 17. July 15, 20, 23. Sept. 21, 30 Oct. 14, 26. Nov. 4, 19 Dec. 20, 24, 28
(1944) Jan. 6, 10, 12, 20, 24. Feb. 2, 11, 24, 28 Mar. 3, 14, 16, 17, 21, 24, 31 Apr. 5, 20, 27 May 4, 15, 24, 26 June 1, 2, 7, 8, 12, 13, 14, 15, 16, 19, 20, 22, 23 July 10, 13, 17, 19, 21, 28 Aug. 3, 16, 21, 22, 23, 24, 25, 28, 29

Total No. of Visits 72