

STEEL STEAMER OR MOTORSHIP.

Received at London Office FEB 1946

Date of completion of report

5/2/46

Port of

Liverpool

No.

123744

Survey held at

Birkenhead

Date First Survey

10th July 1944

Last Survey

8th February 1946

On the

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

Steel Single Screw "CITY of CARLISLE"

State Type

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

Complete Superstructure without tonnage opening

State Type of Erections

Fore + Poop

TONNAGE under Tonnage Deck ...

8856.41

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

Total

Gross Tonnage

9912.81

Register Tonnage

5900.09

REGISTERED DIMENSIONS.

FEET

Length

475.8

Breadth

64.4

Depth

40.05

CLASS

1100A1 - with freeboard.

State if with freeboard as condition of Class

Yes

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 465.0

Breadth (greatest moulded)

B 64.0

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

D 40.12

1st Longitudinal Number (L x D)

18655

2nd Numeral L x (B + D)

48415

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

17.3

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

10.90

Do. Long Bridge to top of keel

Draught Moulded

29.7

Built at

Birkenhead

Launched

24th Oct 1945

Yard No. 1156

Builders

Messrs. Cammell, Laird & Co. Ltd.

Owners

Ellerman and Bucknall Steamship Co. Ltd.

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry

London

If surveyed while building, afloat, and in dry dock

Yes

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	33	✓	Bracket Floors, Frame	✓	✓
" " from 1/2 length amidships to Collision bulkhead	27	✓	" " Reversed Frame	✓	✓
" " Tunnel Well	30	✓	" " Vertical Struts	✓	✓
" " in peaks	24	✓	Centre Girder, depth and thickness amidships	47.58-50	✓
SIDE FRAMING.			" " top Angles	double 3 1/2 x 3 1/2 x 50-45	✓
Frame Amidships, Angle, [or]	12 3 1/2 44	✓	" " bottom Angles	double 5 x 5 x 58-52	✓
" " Extends up to	3 rd DK.	✓	Side Girders, No. each side and thickness	50 in N.E. 3 Hold continuous. 42 in other holds + B.S. int. 46 in E.S. part continuous A.E.	✓
Reversed Frame Amidships, Angle	nil	✓	Margin Plate depth (excl. of flange) and thickness	39 x 58	✓
" " Extends up to	✓	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 x 6 x 48	✓
Depth of Framing Girder	12	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	Channel Frames carried down.	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	8 3 1/2 46 40	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	21 x 45 continuously welded to margin plate.	✓
" " Second 'tween Decks, Angle, [or]	10 3 1/2 42	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	0 th	✓
" " Third Channels in N.E. 1 Hold 15 x 4 x 54 1/2 42	10 3 1/2 42	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	47 x 48, top edge level from margin.	✓
" " from 1/2 len. for'd. to 15% len. from Stem	9 3 1/2 46	✓	INNER BOTTOM PLATING.		
" " " " " " " " " "	9 3 1/2 42	✓	Breadth and thickness of Middle Line Strake	65 x 62-46 64	✓
" " in Peaks, Angle or [9 3 1/2 48	✓	Thickness of remainder in Holds	48-42	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 5 1/2 c. 100	✓	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. Boilers on platform forming top of O.F. deep tank.	✓
State if Frame Joggled	Yes	✓	BEAMS.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	✓	Uppermost Continuous Deck, amidships in	9 3 1/2 44	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓	" " in way of Bridge, Angle, [or]	✓	✓
SINGLE BOTTOM.			" " Spacing	33	✓
Floors, Depth and thickness at mid-line in Holds	✓	✓	Second Deck, amidships, Angle, [or]	12 3 1/2 42	✓
Height of Brackets at side above base line at toe of frame	✓	✓	" " Increased fore and aft for sheer of upper dk.	11 3 1/2 44	✓
Middle Line Keelson, on Floors, Angles, [or]	✓	✓	" " Spacing	33	✓
" " Through Plate or Intercoastal Plate	✓	✓	Third Deck, amidships, Angle, [or]	11 3 1/2 46	✓
" " Foundation Plate on Floors	✓	✓	" " Spacing	33	✓
" " Flat Plate Keel Angles	✓	✓	Fourth Deck, amidships, Angle, [or]	✓	✓
Side Keelsons, No. each side	✓	✓	" " Spacing	✓	✓
" " thickness of Intercoastal Plate	✓	✓	Poop Deck, Angle, [or]	9 3 1/2 38	✓
" " Angles	✓	✓	" " Spacing	9 @ 30, 8 1/2 @ 24	✓
DOUBLE BOTTOM.			Bridge Deck, Angle, [or]	✓	✓
Solid Floors, thickness and spacing	45 Holds + E.S. 53	✓	" " Spacing	7 3 42	✓
Are Frame and Reversed Frame joggled?	Frames - Yes. Rev. - No.	✓	Forecastle Deck, Angle, [or]	7 3 36	✓
Bracket Floors, breadth and thickness at middle line	✓	✓	" " Spacing	27 x 24	✓
" " breadth and thickness at margin plate	✓	✓			

PILLARS AND DECKS.									
PILLARS, No. of Rows	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.				
	Upper	Lower							
Stringer Plate, breadth and thickness in way of Bridge	2	✓	✓		✓				
Thickness of Plating abreast Deck openings in way of Bridge	42	✓	✓	32	✓				
Thickness of Plating abreast Deck openings in way of Bridge	42	✓	✓	32	✓				
Thickness of Plating within line of openings	36	✓	✓	32	✓				
If Sheathed, material and thickness		✓	✓		✓				
Third Deck.									
Stringer Plate, breadth and thickness	72	✓	✓	36	✓				
If Plated, state thickness		✓	✓		✓				
Fourth Deck.									
Stringer Plate, breadth and thickness	72	✓	✓	36	✓				
If Plated, state thickness		✓	✓		✓				
Poop Deck.									
Stringer Plate, breadth and thickness	30	✓	✓	various widths	✓				
Plating, Sheathing, material and thickness	30	✓	✓	various widths	✓				
Bridge Deck.									
Stringer Plate, breadth and thickness	72	✓	✓	36	✓				
Plating, Sheathing, material and thickness	72	✓	✓	36	✓				
Forecastle Deck.									
Stringer Plate, breadth and thickness	36	✓	✓	36	✓				
Plating, Sheathing, material and thickness	36	✓	✓	36	✓				

SHELL PLATING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	RIVETING.			
	AMIDSHIPS.	FORWARD.	AFT.	THICKNESS.		EDGES.	NO. OF ROWS OF RIVETS.	BUTTS.	STRAPPED OR LAPPED.
Flat Plate Keel	55	90	85	85	✓	DR	1	4R	1
Bottom Plating, No. of Strakes	8	71	52	54	✓	DR	7/8	3 1/2	4R-3R
Bilge Plating, No. of Strakes	7	71	52	55	✓	"	"	"	"
Side Plating, No. of Strakes	4	68	50	50	✓	"	"	3R	"
Upper Deck, Sheer-strake in Bridge	84	81	50	50	79	"	"	4R-3R	1-7/8
Upper Deck, Sheer-strake below Bridge	84	72	50	50	74	DR	7/8	3 1/2	4R-3R
Side Plating, No. of Strakes	4	68	50	50	✓	"	"	3R	"
Poop Side Plating	84	81	50	50	79	"	"	4R-3R	1-7/8
Forecastle Side Plating	84	81	50	50	79	"	"	4R-3R	1-7/8

WATERTIGHT BULKHEADS.									
Total No. of W.T. BULKHEADS in Vessel	8 (Collision to Weather DK.)								
Extending to Upper Deck (Sec. 3 c)	7 to 2nd DK, 2 Divisional W.T. Bkds. in upper three decks.								
As per Rule	7								
STIFFENERS.	VERTICAL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	FORGINGS AND CASTINGS.			
	Plating Thickness.	Scantlings.	Spacing.	HORIZONTAL.		KEEL, Bar	STEM	STERN FRAME	RUDDER
MIDSHIP BULKHEAD, Upper 'tween decks	26	7x3x33.8A	31 1/2	✓	✓	KEEL, Bar	Roller Bar	Cast Steel	Fabricated with top and bottom
" " Second	27	6x3x32.8A	31 1/2	✓	✓	STEM	Roller Bar	Cast Steel	Roller Bar
" " Third	27	6x3x32.8A	31 1/2	✓	✓	STERN FRAME	Roller Bar	Cast Steel	Roller Bar
" " Holds	31 1/2	10x3x40.8A	31 1/2	✓	✓	RUDDER	Roller Bar	Cast Steel	Roller Bar
COLLISION (in Hold)	29	5x3x30.8A	32	✓	✓	KEEL, Bar	Roller Bar	Cast Steel	Roller Bar
AFTER PEAK	30	4x3x30.8A	32	✓	✓	STEM	Roller Bar	Cast Steel	Roller Bar

EQUIPMENT No. 50644.										LETTER et		ANCHORS.				
Number of Certificate.	Anchors.	WEIGHT, lbs.			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.	
47464	1st Bower	87	0	0	✓	✓	✓	61	17	2	0	✓	85 1/2 ✓	Byers Imp. Stockless	✓	Sid., 6/4/45, F.M. Dorey
47463	2nd "	85	3	0	✓	✓	✓	61	10	0	0	✓	85 1/2 ✓	"	✓	"
51443	3rd "	72	1	14									73 1/2	"		"
	Collective weight	247	0	14				116	1	0	0	See letter	11.4.46	24 1/2		
59799	Stream	24	5	21	✓	✓	✓	24	15	0	0	✓	25	Ordinary F.M. No. 1	✓	C.H., 17/4/45, W.K. Norman

CHAIN CABLES.										HAWERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.			Length and size per Table 63.	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.		Tons.	qrs.	lbs.						Fathoms.	Ins.		Fathoms.	Ins.			
6020	120	2 1/2	✓	116-4-13-7	397-3-0	396	120	2 1/2	Standard link	N. Hingley & Co. Ltd.	Not tested	130	5 1/2	84-4	130	5 1/2			
6021	120	2 1/2	✓	116-4-13-7	397-3-0	396	120	2 1/2	"	"	"	200	2 1/2	15-2	200	2 1/2			
							60	2 1/2	"	"	"	200	2 1/2	15-2	200	2 1/2			
Iron Stream Chain or Steel Wire	120	4 1/2	✓	116-4-13-7	397-3-0	396	120	4 1/2	F.M. No. 1	✓									

As a War Emergency Measure a bower anchor and 50 fms. of chain cable have not been placed on board.

Steering Gear, Type (Power or hand) Hastie Electric Hydraulic ✓ Alternative Means of Steering 2-electric controls.

Steering Chains (Size and Test) ✓ Windlass Clarke Chapman Ltd. Boats 10 29-0 x 9-15 x 3-95

Ceiling in Holds, thickness and material Under hatches only, 3" W.P. ✓ Cargo Battens, thickness, material and spacing 5" W.P., 9"

Cargo Hatchways.—(Upper Deck) T. and B. Patent Sliding Hatch Beams. ✓ Thickness of Hatches 2 1/2" white pine.

Size of Hatchways No. 1 (Fwd.) 20'3" x 16'3 1/4" No. 2 35'9" x 21'3 1/4" No. 3 52'3" x 21'3 1/4" No. 4 11'0" x 21'3 1/4" No. 5 35'9" x 21'3 1/4" No. 6 27'6" x 21'3 1/4"

Number of Shifting Beams Nº1-3, Nº2-6, Nº3-9, Nº4-1, Nº5-6, Nº6-4

Builder's Signature [Signature]

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 yes ✓

(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 vessel has been built in accordance with the approved plans, the Secretary's letters, and the Society's Rules for the class contemplated. ✓ The materials and workmanship are good. The scantlings and arrangements are in accordance with, or equivalent to, those shown on the approved plans.

A freeboard of 13'-1 1/2" has been assigned, the markings cut in on the vessel's sides, and verified.

All double bottom tanks, peak tanks, deep tanks, oil-fuel bunkers, settling tanks, decks, casings and bulkheads have been satisfactorily tested. ✓

Forging and castings reports (5 in number) for sternframe, rudder stock and pintles, tiller, and derrick heel brackets, together with certificates for derricks, standard steel masts, derrick parts, derricks, sanitary tanks and pulley blocks forwarded herewith.

The vessel is fitted for carrying oil fuel as fuel in D.B. tanks forward and aft, and in O.F. Bunkers and settling tanks at forward end of E. Rm. F.P. above 150°F. ✓

The deep tank amidships is fitted to carry water ballast, general cargo, or oil fuel F.P. above 150°F.

Steering arrangements and windlass were tried under working conditions and found satisfactory. ✓

The amount of Entry Fee..... £ 11 : 0 : 0 } Fees applied for, 20 FEB 1946

Special Survey Fee..... £ 16 : 6 : 0 } Received by me, 20 00

Travelling Expenses, if any..... £ : : } 19

State whether the Vessel has been built under Special Survey. yes

Certificate to be sent to LIVERPOOL Date of issue 24 Feb.

Committee's Minute LIVERPOOL 26 FEB 1946

Character assigned +100A1 } (Subject) Lloyd's R.C.P.

With Freeboard

+LMC 2.46. W.T.B. Sp. C.L. E.S.D. D.F. G.Y.C.

Carrying Cargo Oil F.P. above 150°F.

in Machinery Deep Tank. Fitted for oil fuel 2.46 F.P. above 150°F.

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.)

This vessel is similar to the same Builders' "CITY of DURHAM," N^o 1133, but the lines have been fined and the H.P. of the propelling machinery has been increased to give a greater speed.

List of plans for vessel N^o 1156 in addition to those for Vessel N^o 1133 forwarded herewith, with a midship section as built.

PARTICULARS OF ELECTRIC WELDING (if employed) Butts only of upper deck plating in way of midship accommodation, shell chocks to 2nd and 3rd Decks, D.F. bunkers below boiler stools, continuous gussets to margin plates and shell chocks on tank side brackets, pillars to tank top and girders, ventilators to deck and mast houses, hatch side and end stays on upper dk., hatch corner angles, D.T. Bkds. wholly or in part as approved, masts and derricks.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Fitted for O.F. 2.46 F.P. above 150°F., Carrying cargo oil F.P. above 150°F. in the midship deep tank. Echo Sounding, W/T, Gyro Compass, Direction Finding Apparatus.

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

1st Bower 49c. 19t. 8lbs., J.H.T., N^o 6689, 24/1/45.
2nd „ 47c. 19t. 0lbs., A.E.G., N^o 6323, 23/8/44.
3rd „

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 35.0 ft., R.Q.D. ft., Bridge ft., Forecastle 40.0 ft.

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

Official No. 180816

Signal Letters

Extreme Breadth over Belting (Circ. 1611)

Over-all Length (Circ. 1703)

No. and Material of Decks

3 decks (steel) except in way of N^o 1 Hold.

Parts of Bottom of Vessel coated with cement or approved composition

Cement fillets to seams and covering rivet heads to butts in way of water ballast or F.W. Tanks only.

Particulars of composition (if fitted) and of approval

Red oxide, one coat anti-corrosive, one coat anti-fouling (Storry-Smithson)

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,	68.75	160	F.W. Tank fore A.P. Tank.	15.0	34.0
Double bottom, under Engines and Boilers,			Fore peak tank, including upper peak	24.0	148.0
Double bottom, if under Engines only,	38.50	135	After peak tank,	16.0	68.0
Double bottom, if under Boilers only,			D.F. Bunkers amidships	19.25	376.0
Double bottom, forward,	183.00	844	Deep tank, aft,	36.50	666.0
Total length (if continuous) and Capacity		1139	Deep tank, forward,	19.25	188.0
			Wing tank starboard,	57.75	217.0
			Wing tank port,	19.25	108.0
			Other tanks, if fitted, cross bunker	19.25	261.0
			Wing tank port,	50.50	304.0
			Wing tank starboard,	57.00	200.0

Order for Special Survey No. 1362

Date

8/1/45

Dates of Surveys held while building

10/7/44 to 8/2/46.



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Lloyd's Register

Total No. of Visits

108

Foundation