

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

No. 10,379

15th May

19 30

State Type of Erections

✓ Poops and Bridge
Forecastle combined

State if with freeboard } No.
as condition of Class }

Built at Belfast

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

FEET.

Launched 2nd October 1929 Yard No. 504

6515.54.

Breadth (*greatest moulded*) **B** 57.75

Builders Workman Clark (1928) Ltd

6986.31

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 34.5

Owners The Ellerman Lines, Limited

4326.23

1st Longitudinal Number (L × D)..... = 15594

Managers The Hall him

FEET.

2nd Numeral $L \times (B + D) \dots\dots\dots = 41694$

(Where necessary to be entered in Reg. Book.)

454.2

Framing Depth "d," at middle of length. See } 20.08
Sec. 2 (1D)

Mrs. Residence Liverpool

58-4

Proportions—Depth to Length—Uppermost continuous deck to top of keel } 13.12

Port of Registry *Liverpool*

31.4

Draught Moulded *of keel*) 28.3

If surveyed while building, afloat, or in dry dock

While building, afloat & in dry dock

	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	36"	(9 30" in Machy Space)			Bracket Floors, Frame	5	6 1/2	3 1/2	42
" " from 3/8 length to Collision bulkhead.....}	24				" " Reversed Frame	5	6	3 1/2	42
" " in peaks.....	24				" " Vertical Struts Two.....	5	10 x 3 1/2	3 1/2	42
SIDE FRAMING.					Centre Girder, depth and thickness amidships		47 1/2	56	1/4 45
Frame Amidships, Angle [or] NBS @ 36"	10	3 1/2	40		" " top Angles	double	3 1/2	3 1/2	54 1/2 50
" " " " " " " " " " " " " "	9	3 1/2	41		" " bottom Angles	do	4	4	62 1/2 56
" " Extends up to	Upper 9 Bridge Deck Alternately				Side Girders, No. each side and thickness	6 R	42	Stiffened	6 x 34 42 C
Reversed Frame Amidships, Angle @ 36"	5 1/2	3 1/2	40		Margin Plate depth (excl. of flange) and thickness		38	57	@ 36 54 @ 30
" " " " " " " " " " " " " "	@ 30	7	3 1/2	.38	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		5	5	45
" " Extends up to	2nd Deck				" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem		6	6	45
Depth of Framing Girder.....	@ 30	11 1/4		Appd 10 3/4	" " Gussets, spacing and scantling abaft 1/4 len. from stem.....		Continuous	9-7/8 R @ 36 - 7-7/8 R @ 30	
Frames in Uppermost Continuous 'tween Decks, Angle [or] NBS.....	10	3 1/2	40	@ 36"	" " Gussets, spacing and scantling forward 1/4 len. from stem.....		Continuous	10-7/8 R	
" " Second 'tween Decks, Angle [or] Intermediate frames in Bridge L	9	3 1/2	41	@ 30	Tank Side Brackets, height above base line at toe of Frame and thickness		41	52 @ 36	48 @ 30
" " Third " " " " " "	6	3 1/2	42	Scorpled					
Framing in Peaks, Angle or [NBS	9	3 1/2	38		INNER BOTTOM PLATING.				
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 4 7/8 @ 36" spacing				Breadth and thickness of Middle Line Strake ...		53 3/4	52	1/4 44
State if Frame Joggled	Yes				Thickness of remainder in Holds		47 @ 36		
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Frames L NBS Rev L 9 3 1/2 48 forming 11 1/4 girder 9 9' Girder			Appd 4 1/2 x 3.34	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		Inner Bottom. 68 Galvanized in B.S.
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Full 1/2 depth side girden as approved. Riveting as per Rule.								
ANGLE BOTTOM.					BEAMS.				
Floors, Depth and thickness at mid-line in Holds					Uppermost Continuous Deck, amidships in Wells, Angle [or] NBS	9	3 1/2	41	
Height of Brackets at side above base line at toe of frame					" " " " " " " " " " " " " "	10	3 1/2	40	
Middle Line Keelson, on Floors, Angles, [or]					Spacing		36"		
" " " Through Plate or Intercoastal Plate....					Second Deck, amidships, Angle [or] NBS	10	3 1/2	49	
" " " Foundation Plate on Floors					Spacing.....		36"		
" " " Flat Plate Keel Angles					Third Deck, amidships, Angle, [or]				
Side Keelsons, No. each side					Spacing.....				
" " thickness of Intercoastal Plate...					Fourth Deck, amidships, Angle, [or]				
" " Angles					Spacing.....				
DOUBLE BOTTOM.					Poop Deck, Angle [or]	8	3	36	
Solid Floors, thickness and spacing	42 @ 36 Stiffened				Spacing.....		36		
" " " " " " " " " " " " " "	40 @ 30				Bridge Deck, Angle [or] NBS	9	3 1/2	43	
" " Are Frame and Reversed Frame joggled?.....	Yes				Spacing.....		36		
Bracket Floors, breadth and thickness at middle line.....	34 1/2 46			flanged	Forecastle Deck, Angle [or] NBS	9	3 1/2	40	@ 48
" " breadth and thickness at margin plate.....	42 46				Spacing	7 1/2	3 1/2	46	@ 27

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.....	Two				Widely spaced as ✓	Stringer Plate, breadth and thickness in way of Bridge	72	38			appd 49.38
" in 'tween Decks, Size and Spacing.....					Approved. ✓	Thickness of Plating abreast Deck openings in way of Wells		40			✓
" " " " " "						Thickness of Plating abreast Deck openings in way of Bridge		36 @ 26	34 @ 30		✓
" in Holds " "						Thickness of Plating within line of openings...		34			✓
" " " " " "						If Sheathed, material and thickness					✓
Centre Line Bulkhead.						Third Deck. Flat over Deep Tank					✓
Stiffeners and Spacing.....					✓	Stringer Plate, breadth and thickness.....		24			✓
Plating, thickness of					✓	If Plated, state thickness.....		44			✓
STRINGERS AND DECKS.						Fourth Deck.					
Uppermost Continuous Deck.						Stringer Plate, breadth and thickness.....					
Stringer Plate, breadth and thickness in Wells	75	1.08			appd. 72.40.03	If Plated, state thickness					
" " " " in way of Bridge	72	42			✓						
" Angle in Wells	7	7	94		✓	Poop Deck.					
Thickness of Plating abreast Deck openings in way of Wells		48			appd. 74	Stringer Plate, breadth and thickness	37	36			✓
Thickness of Plating abreast Deck openings in way of Bridge	41 @ 36	38 @ 30			✓	Plating, Sheathing, material and thickness	26		where sheathed		✓
Thickness of Plating within line of openings...	45 in well	34 in Bridge			✓	Part Sheathing	3		oregon pine		✓
If Sheathed, material and thickness						Bridge Deck.					
Second Deck.						Stringer Plate, breadth and thickness.....	72	56			appd 72.52
Stringer Plate, breadth and thickness in Wells...	72	42			✓	Plating, Sheathing, material and thickness ...	52	50			appd 50
						Forecastle Deck.					
						Stringer Plate, breadth and thickness.....	35	36			✓
						Plating, Sheathing, material and thickness ...	36		unsheathed.		✓

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing cr. to cr.	Diam.		Spacing cr. to cr.
	Inches.	Inches.	Inches.	Inches.									
FLAT PLATE KEEL	52½	87	78	78		Double	1"	11" 42" 7" 50" 7 @ 30 8 @ 36	Four	1"	4"	lapped.	
„ DBLG. (if any)									as per Rule.				
BOTTOM PLATING, No. of StrakesH.....)	78	75 @ 36" 69 @ 30"	69	69		do	1"	do	Four	1"	4"	lapped.	
BILGE PLATING, No. of Strakes278.....)	60¾	75 @ 36 69 @ 30	50	50		do	7/8	9 @ 36 8 @ 30	do	7/8	3½	"	
SIDE PLATING, No. of Strakes2.....)	84	73 @ 36 67 @ 30	47	47		do	7/8	do	Three	7/8	3½	"	
UPPER DECK, Sheer-strake in Wells.....)	72	94	47	47	(Increased at Break)	do	1"	8 @ 36 7 @ 30	Three	1"	4"	Double Straps	
UPPER DECK, Sheer-strake in Bridge ...)	72	75 @ 36 71 @ 30	"	"	Rule 73 @ 36 67 @ 30	do	7/8	9 @ 36 8 @ 30	Three	7/8	3½	lapped	
STRAKE BELOW Sheer-strake in Wells.....)	72	80	"	"		do	1"	8 @ 36 7 @ 30	Four	1"	4"	"	
STRAKE BELOW Sheer-strake in Bridge ...)	72	78 @ 36 72 @ 30	"	"	Rule 73 @ 36 67 @ 30	do	7/8	9 @ 36 8 @ 30	Three	7/8	3½	"	
POOP SIDE PLATING				40		Single	¾	3"	Two	¾	2½	do	
BRIDGE SIDE PLATING ...	56 50	71 69 70			Rule 67.	Double	7/8	9 @ 36 8 @ 30	Three	7/8	3½	Double Straps	
FORECASTLE SIDE PLATING			42			Single	¾	3"	Three	¾	2½	lapped	

WATERTIGHT BULKHEADS.

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

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM		10 1/2 x 2 1/2		
STERN FRAME { Propeller Post	Lower Forged Steel	16.9	SKoda	as per plans approved 10/14/29
Rudder	Cast Steel	9 1/2 x 9 1/2		
RUDDER—A x D		837		
Speed of Vessel		13 1/2		
RUDDER mainpiece at head ...	Forged	13 3/8 Head	Dennystown Forge	Rule 13
" " heel ...	Ingot Steel	9 3/4		
" how constructed		Built with Shrouds and		
" double or single plate		Lightened Centre plate with side plates on stiffeners forming enclosed frame line		
" coupling, vertical or horizontal		See Rudder. Horizontal.		See Plans 10/14/29

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	Baldwins Ltd, David Colville, Lanarkshire Steel Co, Pease & Partners, Consett & J Dunlop
	(Open hearth process)
	Has the Steel been tested as required by the Rules? Yes. (Certificate herewith)

EQUIPMENT No. 111654												LETTER C.F.	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.				
91107	1st Bower ...	78	1	7				57	17	2	-	74-0-0	Stuckless "Challenge"	N Hingley Sons	Netherlon 6/9/29 H. Green
91107	2nd ,, ...	77	1	14				57	8	3	-	74-0-0	do	do	Netherlon 12/9/29 H. Green
91108	3rd ,, ...	66	0	7				51	13	0	14	65-2-0	do	do	Netherlon 11/9/29 H. Green
	Collective weight.	221	3	0								219-2-0			
90974	Stream	22	1	0	5	2	17	22	11	1	0	22-0-0	Rodgers	do	Netherlon 19/7/29 H. Green

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.	Break-ing.	Supplied.		Per Rule.		Length.	Diam.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
85491	150	2 ⁷ / ₁₆	106 ⁹ / ₁₀	149 ⁵ / ₈	446	2	0	890 ⁴ / ₄ .	300	2 ⁷ / ₁₆	Stud Link	N. Hingley & Sons	Netherlon 9/6/29	TOWLINE...	130	5 ³ / ₄	94	130	5 ³ / ₄
85492	150	2 ⁷ / ₁₆	106 ⁹ / ₁₀	149 ⁵ / ₈	446	0	1										spec flex.		
	300				446	2	1								HAWSERS & WARPS	2@100	2 ³ / ₄	15 ¹ / ₂	2@100
		Cir.								Cir.				"	2@100	2 ³ / ₄	15 ¹ / ₂	2@100	2 ³ / ₄
Iron Stream Chain or Steel Wire	120	5		43					120	5"	Spec Flex	Thomson Black & Co	Maken Estangons	"					

Steering Gear, Steam *Hastie Wilson Purvis Type* Steering Gear, Hand *None (Relieving Tackle fitted)*

Boats *6 @ 26'-0" x 8'-3" x 3'-4"* Steering Chains, Size and Test *None.* Windlass *Clarke Chapman. Horeg Steam*

Ceiling in Holds, thickness and material *2 1/2" W.P. under hatches* Cargo Battens, thickness, material and spacing *6" x 2. Vertical between frames*

Cargo Hatchways.-(Upper Deck) *Steel Coamingg framing Strong girders* Thickness of Hatches *2 1/2" x 3"*

Size of No. 1 Hatchway (Forward) *22'-5" x 14'* No. 2 *45' x 18'* No. 3 *24' x 18'* No. 4 *33' x 18'* No. 5 *21' x 18'* No. 6 *—*

Number of Shifting Beams *and for Fore and Afters* *N°1-H, N°2, 9, N°3-H, N°4-6, N°5-4.*

PRO WORKMAN CLARK (1928) LIMITED.
Builder's Signature *F. Cunningham* SECRETARY.

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel. (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

The vessel has been constructed in accordance with the approved Plans, Secretary's letters and Society's Rules. The workmanship and materials are good and to my satisfaction. The Double bottom tanks, Deep Tanks, and Fore and after peak Tanks have been tested in accordance with the Rules and found tight.

The Weather decks, watertight bulkheads and Tunnel have been hose tested and found satisfactory. The freeboards as assigned have been marked, checked and cut in on the vessels sides. The steering gear, windlass, watertight doors, 9 hand pumps have been tried and found satisfactory. The vessel is fitted for the carriage and burning of oil fuel F.P. above 150°F. The Fore and after peak Tanks and Deep Tanks aft below the 2nd Deck have been constructed in accordance with the approved plans for the carriage of oil cargo F.P. above 150°F.

Selling tanks in connection with the oil burning arrangement have been constructed in the Tweendecks in accordance with the approved plan and satisfactorily tested.

The amount of Entry Fee £ 10 : - : - Fees applied for, *this vessel is built with a cruiser Stern*

Special Survey Fee.... £ 374 : 13 : - Received by me, *26 May 1930* *ABN*

Travelling Expenses, if any £ : : *Freeboard 10:0:0* *4.6.1930* *ABN*

State whether the Vessel has been built under Special Survey *Yes* I am of opinion the Vessel should be Classed *+100 A1*

Signature *Hodgson* *E.R. Edgar*
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *Belfast* Date of issue *6/6/30.*

Committee's Minute *FRI. 6 JUN 1930*

Character assigned *+100 A1* Fitted for Carrying Oil (5:30) F.P. above 150°F in Deep Tanks aft below 2nd deck & fore & aft Peak Tanks

Lloyd's A & C

+ L.M.P. 5:30 F.P. 150°F

Fitted for Oil Fuel, 5:30 F.P. above 150°F

Write Back

ABN

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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.)

The under mentioned plans are forwarded herewith together with Forging Certificate
Midship Section as built
Approved midship section
" Profile
" " for amended framing
" Deck Plans.
" Stern frame & Rudder.
" Modified Box Rudder.
" Planing Arrangement
" Strengthening of bottom forward.
" Pillars & Girders aft
" " " forward
" " " " modification
" " " " amended N° 2 Hatch
" Stiffening under Pillars
" Deep Tank
" " " Hatches
" " " web.
" Cruiser Stern
" Tween deck Sulling Tanks.
" N° 3 Reserve Hatchway & Compensation
" Double Bottom in machinery space
" Superstructures
" Hatchways
" Quadrant Teller.

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	H 8-1-10 including pins	K H 6589	28.6.29
	2nd "	H 8-2-13 "	K H 6948	15.8.29
	3rd "	H 1-1-27. "	H B 6664	19.7.29.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 58'4 ft., R.Q.D. ✓ ft., Bridge ^{combined with} Forecastle 312'6 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

Cruiser Stern.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 2 DKs (SH)

Official No. 161144 ; Signal Letters L P Q N Is bottom of Vessel coated with cement Bilges only if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	105	228	Fore peak tank,		152
Double bottom, under Engines and Boilers, 133	95.5	454	After peak tank,		80
Double bottom, if under Engines only, (Quilts)		648	Deep tank, aft, { Below 3 rd Deck	29-0	381
Double bottom, if under Boilers only,			Deep tank, forward, { Between 2 nd & 3 rd decks	29-0	374
Double bottom, forward,	114.75	484	Other tanks, if fitted, { Upper 1 2 nd "	29-0	457
Total capacity of double bottom		1166	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 795

Date 1st Dec 1928

Dates of Surveys held while building

1929
Jan. 8. 24 Feb. 6. 20. 26 Mar. 17. 25. 18. 21. 27 Apr. 15. 26 May 6. 9. 18. 20. 22. 24. 30 June 3. 5. 7. 13. 14. 18
19. 20. 24. 25. 26. 28 July 2. 4. 5. 8. 10. 23. 26. 29 Aug. 1. 5. 6. 7. 8. 9. 14. 19. 20. 22. 23. 26. 28. 30 Sept. 2. 3. 5. 6. 8. 9. 10. 11. 12. 13
16. 17. 18. 19. 20. 23. 24. 25. 26. 27. 30. Oct. 1. 2. 3. 7. 9. 10. 16. 17. 23. 25. 30 Nov. 1. 5. 6. 7. 12. 13. 14. 18. 19. 20. 22. 25. 29 Dec. 3. 6. 9
12. 16. 19. 20. 30 1930 Jan. 1. 2. 3. 6. 9. 23 May 15

Total No. of Visits 117