

## STEEL STEAMER or MOTORSHIP.

Received at London Office 12 JUL 1928

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 *11 July 1928*Port of *Lith*No. *14424*Survey held at *Lith*Date First Survey *21 April 1927*Last Survey *3 July 1928*

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

*Steel Single Screw Steamer "OPORTO"*

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

*Full scantling, without tonnage openings in bridge front*State Type of Erections *Forecastle, and combined poop and deck*

TONNAGE under Tonnage Deck...

*1540.33*CLASS *+100A1*State if with freeboard as condition of Class *no*Built at *Lith*

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 269.0*

FEET.

Launched *18<sup>th</sup> May 1928* Yard No. *265*

Total

Breadth (greatest moulded) *B 40.0*Builders *Ramsey & Ferguson Ltd*Gross Tonnage *2352.11*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 20.5*Owners *The Ellerman Lines Ltd*Register Tonnage *1437.44*1st Longitudinal Number (L x D) *= 5514.5*Managers *-*

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

2nd Numeral L x (B + D) *= 16274.5*

## REGISTERED DIMENSIONS.

FEET.

Length *270.6*Framing Depth "d," at middle of length. See Sec. 3 (1d) *17.625*Residence *Liverpool*Breadth *40.2*Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.12*Port of Registry *Liverpool*Depth *18.4 Tank top to deck*Do. Long Bridge to top of keel *9.44*

If surveyed while building, afloat, or in dry dock

Draught Moulded *19.23**Building afloat & in dry dock*

## 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 <i>Frames 65-69 = 23 1/2</i>	<i>23 1/2</i>		Bracket Floors, Frame <i>7</i>	<i>6 3 38</i>	
" " from 1/2 length to Collision bulkhead <i>" 48-65 = 24</i>	<i>24</i>		" " Reversed Frame <i>7</i>	<i>5 1/2 3 38</i>	
" " in peaks <i>" 24</i>	<i>24</i>		" " Vertical Struts <i>7</i>	<i>5 1/2 3 38</i>	
SIDE FRAMING. <i>BR 1000 Bk</i>			Centre Girder, depth and thickness amidships <i>24 1/2 x 44</i>		
Frame Amidships, Angle <i>E or F</i> <i>23 1/2</i>	<i>8 3 45</i>		" " top Angles	<i>5 5 41</i>	
" " Extends up to <i>Upper deck</i>	<i>8 3 48</i>		" " bottom Angles	<i>5 5 45</i>	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness <i>One 33</i>		
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	<i>25 39</i>	
Depth of Framing Girder <i>8</i>	<i>8</i>		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<i>3 3 35</i>	
Frames in Uppermost Continuous Deck, Angle <i>E or F</i> <i>23 1/2</i>	<i>5 1/2 3 36</i>		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	<i>5 5 35</i>	
" " Second 'tween Decks, Angle <i>E or F</i>	<i>5 1/2 3 36</i>		" " Gussets, spacing and scantling abaft 1/2 len. from stem	<i>5 5 35</i>	
" " Third			" " Gussets, spacing and scantling forward 1/2 len. from stem	<i>5 5 35</i>	
Framing in Peaks, Angle <i>E or F</i>	<i>6 3 32</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>49 36 F 37 A</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<i>3/4 5 1/2</i>		INNER BOTTOM PLATING.		
State if Frame Joggled	<i>Yes</i>		Breadth and thickness of Middle Line Strake	<i>49 42</i>	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars <i>Frames 84 x 3 x 47 3/4</i>			Thickness of remainder in Holds	<i>34</i>	
STRENGTHENING OF BOTTOM FORWARD. State Particulars <i>Two side stringers P+S</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?	<i>Yes</i>	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle <i>E or F</i>	<i>6 3 40</i>	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle <i>E or F</i>	<i>6 1/2 3 32</i>	
Middle Line Keelson, on Floors, Angles <i>E or F</i>			Spacing	<i>every frame</i>	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle <i>E or F</i>	<i>6 3 38</i>	
" " Foundation Plate on Floors			Spacing	<i>every frame</i>	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle <i>E or F</i>		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle <i>E or F</i>		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle <i>E or F</i>	<i>5 3 36</i>	
Solid Floors, thickness and spacing <i>33 every 3rd frame</i>			Spacing	<i>every frame</i>	
" " Are Frame and Reversed Frame joggled?			Bridge Deck, Angle <i>E or F</i>	<i>6 3 34</i>	
Bracket Floors, breadth and thickness at middle line <i>25 1/4 x 33</i>			Spacing	<i>every frame</i>	
" " breadth and thickness at margin plate <i>25 3/4 x 33</i>			Forecastle Deck, Angle <i>E or F</i>	<i>7 3 37</i>	
			Spacing	<i>all frames</i>	



# 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.
<b>PILLARS, No. of Rows.....</b>	<i>Two</i>		<i>Tubular fitted after approved plans</i>	Stringer Plate, breadth and thickness in way of Bridge .....	✓		
"    in 'tween Decks, Size and Spacing.....	<i>do</i>		<i>do</i>	Thickness of Plating abreast Deck openings in way of Wells .....	.30		
" <i>Bridge Timbers</i> " " "	<i>do</i>		<i>do</i>	Thickness of Plating abreast Deck openings in way of Bridge .....	✓		
"    in Holds " " "	<i>do</i>		<i>do</i>	Thickness of Plating within line of openings...	.30		
"    "    "    "    "    "				If Sheathed, material and thickness .....	✓		
<b>Centre Line Bulkhead.</b>				<b>Third Deck.</b>			
Stiffeners and Spacing.....	✓			Stringer Plate, breadth and thickness.....	✓		
Plating, thickness of .....	✓			If Plated, state thickness.....	✓		
<b>STRINGERS AND DECKS.</b>				<b>Fourth Deck.</b>			
<b>Uppermost Continuous Deck.</b>				Stringer Plate, breadth and thickness.....	✓		
Stringer Plate, breadth and thickness in Wells	<i>66</i>	<i>.59</i>	<i>43 x 54</i>	If Plated, state thickness .....	✓		
"    "    "    "    in way of Bridge	<i>66</i>	<i>.36</i>	<i>84</i>				
"    Angle in Wells .....	<i>5</i>	<i>5</i>	<i>.54</i>	<b>Poop Deck.</b>			
Thickness of Plating abreast Deck openings in way of Wells .....	<i>.41</i>	<i>.36</i>		Stringer Plate, breadth and thickness .....	<i>62</i>	<i>.46</i>	<i>43 x 40</i>
Thickness of Plating abreast Deck openings in way of Bridge .....	<i>.32</i>	<i>.30</i>		Plating, Sheathing, material and thickness .....	.35		
Thickness of Plating within line of openings...	<i>.30</i>			<b>Bridge Deck.</b>			
If Sheathed, material and thickness .....	✓			Stringer Plate, breadth and thickness.....	✓		
<b>Second Deck.</b>				Plating, Sheathing, material and thickness .....	✓		
Stringer Plate, breadth and thickness in Wells...	<i>60</i>	<i>.34</i>	<i>43 x 30</i>	<b>Forecastle Deck.</b>			
				Stringer Plate, breadth and thickness .....	<i>36</i>	<i>.34</i>	✓
				Plating, Sheathing, material and thickness ...	<i>.34</i>		✓

## SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?		BUTTS.				
	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.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL .....	60	.57	.55	.55	alt 53	Double	7/8	3 3/8	Triple	7/8	3	Lapped
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
BOTTOM PLATING, No. of Strakes .....3	62	.46	.46	.40	✓	Double	3/4	3	Triple	3/4	2 7/8	Lapped
BILGE PLATING, No. of Strakes .....1	64	.46	.40	.40	✓	„	„	3	Triple to Double	„	„	„
SIDE PLATING, No. of Strakes .....2	63	.46	.40	.40	✓	Single	„	3	„	„	„	„
UPPER DECK, Sheer-strake in Wells.....	52	.63	at beam	✓		Double	7/8	3 3/8	Quadruple	7/8	3 1/2 x 4	„
UPPER DECK, Sheer-strake in Bridge ...	52	.46	.40	.40	✓	Single	3/4	3	Triple to Double	3/4	2 7/8	„
STRAKE BELOW Sheer-strake in Wells.....	58	.54	✓	✓	✓	Double	7/8	3 3/8	Triple	7/8	3 1/8	„
STRAKE BELOW Sheer-strake in Bridge ...	58	.46	.40	.40	✓	Single	3/4	3	Triple to Double	3/4	2 7/8	„
POOP SIDE PLATING .....	47 x 43	.47	✓	.32	✓	Single	3/4	3	Triple to Single	3/4	2 7/8	„
BRIDGE SIDE PLATING .....	47 x 43	✓	.34	✓	✓	Single	3/4	3	Single	3/4	2 7/8	„
FORE'C'TLE SIDE PLATING .....	47 x 43	✓	.34	✓	✓	Single	3/4	3	Single	3/4	2 7/8	„

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c)		Six ✓			
,, Deck next below		Four ✓			
As per Rule		Four ✓			
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks		.26	1 1/2 x 3 1/4	28"	—
,, ,, Second ,,		—	—	—	
,, ,, Third ,,		—	—	—	
,, ,, Holds .....		.35	26	8 x 3 1/4	28" ✓
COLLISION ,, (in Hold) .....		.34	30	9 x 3 1/4	24" ✓
AFTER PEAK ,, (see letter) 43		.32	26	6 x 3 1/4	24" ✓

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....	<i>Roller</i>	✓	<i>The Steel Company of Scotland &amp; Co</i>	
STEM .....	<i>Hot bar</i>	<i>8 x 2</i>	<i>The Steel Company of Scotland &amp; Co</i>	
STERN FRAME { Propeller Post .....	<i>Forging</i>	<i>8 x 5 1/2</i>	✓	
{ Rudder " .....	"	<i>7/8 x 5 1/2</i>	✓	
RUDDER—A x D.....	"	<i>201.72</i>	✓	
Speed of Vessel.....		<i>under 12 knots</i>	✓	
RUDDER mainpiece at head ...		<i>7' clear</i>	✓	
"    "    heel ...		<i>3 1/4</i>	✓	
"    how constructed .....	<i>arms shrink &amp; keyed on mainpiece</i>		✓	
"    double or single plate .....	<i>Single</i>		✓	
"    coupling, vertical or horizontal.....	<i>Horizontal</i>		✓	

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)			
	<i>Corbett Iron Co. Ld. Dorman Long Co. Ld. David Colville &amp; Sons Ld.</i>			
	<i>(O.H.)</i>			
	Has the Steel been tested as required by the Rules? <i>yes</i>			



## CHAIN CABLES.

## HAWSERS AND WARPS.

**RAMAGE & FERGUSON, LIMITED**

*Builder's Signature*

SHIPYARD MANAGER

**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.

This Vessel has been built in accordance with the approved plans and in general conformity with the Rules. The material and workmanship are good. The floor top & bottom angles, center guide plate top & bottom angles, margin plates in way of double bottom below boiler space have been galvanised. The keel and margins have been cut upon the Vessel's sides painted & varnished. The double bottom & After Peak & Fore Peak tanks have been tested with satisfactory results. Also the weather decks, Land pump & water tight doors have all been tested as per Rule & found satisfactory. The shell plating to Stern frame is as per Rule. The following Approved Plans are being forwarded under separate cover:- Midship Section. Profile & Decks, Plan of Cruiser Stern, Sketch showing Proposed Method of fitting Tank frames & Pump frames (this proposed

The amount of Entry Fee ..... £ 6 : 0 : 0 } Fees applied for,  
Special Survey Fee.... £ 192 : 12 : 0 } 11-7-1928  
*Frederick* } Received by me,  
*Travelling Expenses, if any* £ 6 : 8 : 4 } 19-7-1928

I am of opinion the Vessel should be Classed T100A1

State whether the Vessel has been built under Special Survey yes

*Signature*

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to

Date of issue

## Committee's Minute

TUES. 24 JUL 1928

*Character assigned*

+ 100 A1

Floyd A. & C<sup>o</sup>

10 MC y: 28

Wade G. C. H. 20/7/20.

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Lloyd's Register  
Foundation

W280-C155(2/2)



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.)

method was adopted). Additional Strengthening forward and  
Painting Arrangement. Pillars & Girders. Plan of Aft Peak  
Stiffening. Stern Post & Rudder. Side Houses.  
Pumping Plan. Sketch showing alteration to Deck  
Girders in way of altered Position of No 3 Hatch.  
In some cases the above mentioned plans have been  
marked with pencil showing particulars, as fitted.  
Three Reports on Forgings are enclosed.

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

1st Bower  
2nd "  
3rd "  
See later

20-3-0 M Bury 3537 8.3.28  
20-2-13 " 3538 8.3.28  
8-3-28 " 3561 8.3.28

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop and ft., R.Q.D. ft., Bridge 77.55 ft., Forecastle 51.45 ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. Poop is joined to Bridge deck

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 D<sup>th</sup> (H) and Orlop deck forward in way of Boiler room

Official No. 149684 ; Signal Letters  
Is bottom of Vessel coated with cement only if not given  
particulars of composition elsewhere fitted at seams & butts & unmanan cement marked.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	77.87	116	Fore peak tank,	14	13
Double bottom, under Engines and Boilers,	33.16	87	After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	119.87	250	Other tanks, if fitted,		
Total capacity of double bottom		453	(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. 1157  
Date 8 February 1927  
Dates of Surveys held while building  
1927 April 21. May 31. Aug 3. 18. Sept 16. 26. Oct 20. 27. 31  
Nov 3. 7. 9. 16. 21. 30. Dec 20 — 1928 Jan 5. 11. 18. 30  
Feb 9. 15. 22. Mar 16. 21. 26. 29. April 4. 5. 9. 11. 13. 19. 20  
May 2. 10. 16. 18. 24. 30. June 7. 14. 16. 26. 28. 30. July 2. 3  
Total No. of Visits 60