

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

Survey held at Barrow Date First Survey 10th January 1928 Last Survey 30th July 1928

On the (State if Machinery fitted Aft and  
if Single, Twin or Triple Screw) *Twin screw steamer "Orontes"*

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Complete Superstructure* State Type of Erections *Bridge & Yole*

TONNAGE under 12113.91 CLASS  $\star$  100 A.1. State if with freeboard } *Yes* Built at *Barrow*  
Tonnage Deck... as condition of Class }

*Do.* of space or spaces between Tonnage Dk. and Upper Dk. } Length from fore part of stem to after part of stern } L 630  
post on summer L.W.L. See Sec. 3 (1a)

Launched 26 January 1929 Yard No. 634

Built by Hickory-Cronstons & Co.

Total 47

Gross Tonnage 19940.00

Register Tonnage 12000.81 1st Longitudinal Number (L x D)..... = 28533 Managers ✓

**REGISTERED DIMENSIONS.**

**Framing Depth "d,"** at middle of length. See {  $\begin{matrix} G & 24.89 \\ H & 16.87 \end{matrix}$

**Residence** ✓

Length 638.2

Proportions—Depth to Length—Uppermost continuous deck to top of keel } D 11.45

Port of Registry Harrow

Breadth 45.3 Do. Long Bridge to top } E 13.4 surveyed while building afloat, *mindy hole*

Depth 39.1 Draught Moulded 29'-4'

[illegible]

003620-003624-0066 1/2



## 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>	14				
" upper in between Decks, Size and Spacing.....	7/8 frame Space 5 1/4 x 3 Solid rounds				
" lower " " "	Q above and also Built Pillars □ ○	In also- Approved Plans.	Stringer Plate, breadth and thickness in way of Bridge .....	57 X .42	
" in Holds " "	5/6 frame Space		Thickness of Plating abreast Deck openings in way of Wells .....	.48 / .46	
" " " " "	□ - ○ Built Pillar		Thickness of Plating abreast Deck openings in way of Bridge .....	.39	
<b>Centre Line Bulkhead.</b>			If Sheathed, material and thickness .....	2 1/2' Oak	
Stiffeners and Spacing.....			<b>Third Deck. G</b>	Decked & Rattling	
Plating, thickness of .....			Stringer Plate, breadth and thickness.....	{ 60 X .44 55 1/2 X .46 / .40	
<b>STRINGERS AND DECKS.</b>			If Plated, state thickness.....	.44 / .36	
<b>Uppermost Continuous Deck. (E)</b>			<b>Fourth Deck. H</b>		
Stringer Plate, breadth and thickness in wells	75 x 57 1 1/2 x 5		Stringer Plate, breadth and thickness.....	.42 / .40	
" " " " in way of Bridge	57 X .47		If Plated, state thickness .....	.32	
" Angle in Wells .....	8 X 8 X 1 1/4 X 7 X 1 1/4 5 X 5 X .40 at ends.		<b>Deck. C</b>		
Thickness of Plating abreast Deck openings in way of Wells .....	.84 / .40 at ends		Stringer Plate, breadth and thickness .....	85 1/2 X .74	
Thickness of Plating abreast Deck openings in way of Bridge .....	.43		Plating, Sheathing, material and thickness ...	.52 / .40 2 1/4' Oak	
If Sheathed, material and thickness .....	2 1/2' Oak when exposed.		<b>Bridge Deck. D</b>		
<b>Second Deck. "F"</b>			Stringer Plate, breadth and thickness.....	57 .54 / .40	
Stringer Plate, breadth and thickness in Wells...	58 X .54		Plating, Sheathing, material and thickness ...	.50 / .30 2 1/4' Oak	
			<b>Forecastle Deck.</b>		
			Stringer Plate, breadth and thickness.....	39 X .44	
			Plating, Sheathing, material and thickness ...	.34 2 1/4' Oak	

## SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>h.</i>			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 .....	59	1.1	.94	.98		2	1 1/8	4 1/2	3	1 1/8	4 1/2	Strapped	
„ DBLG. (if any)	37	1.0	✓	✓	Butts in / let of Bottom <del>2</del> Quintuple riveted	1	"	"	1	"	"	✓	
BOTTOM PLATING, No. of of Strakes ..... 5 .....		.84	.62	.66		2	1	4	5/4	1	4 1/2/4	Lapped	
BILGE PLATING, No. of Strakes ..... 1 .....		.84	.80	.68	3 rows F.B. 1st/191	2	1	4	4	1	4	✓	
SIDE PLATING, No. of Strakes ..... 6 .....		.79	.58	.58	3 - A.B. 28/60	3/2	1	4	4	1	4	✓	
UPPER DECK, <sup>E</sup> Sheer- strake in Wells.....	78	1 1/2 / .80	.58	.58		2	1 1/8 / 1	4 1/2 / 4	4/3	1 1/8 / 1	4 1/2 / 4	Strapped. & Lapped	
UPPER DECK, <sup>E</sup> Sheer- strake in Bridge ...	78	22 1/2 / .79 (.78)	.58	.58		2	1	4	4	1	4	Lapped	
STRAKE BELOW <sup>E</sup> Sheer- strake in Wells.....	73	1.02 / .92	.58	.58		2	1 1/8 / 1	4 1/2 / 4	4	1 1/8 / 1	4 1/2 / 4	✓	
STRAKE BELOW <sup>E</sup> Sheer- strake in Bridge ...	73	.79	.58	.58		2	1	4	4	1	4	✓	
<sup>D</sup> DECK SIDE PLATING .....	-	.72	✓	✓		2	1	4	4	1	4	✓	
<sup>C</sup> BRIDGE SIDE PLATING ...		1/8 / .72				2	1	4	4	1	4	✓	
FOREC'TLE SIDE PLATING			.50			1	1/8	3 1/2	1	1/8	3 1/8	✓	

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) 13

„ Deck next below 11 A F 14 G 16 E

As per Rule 10

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....		Flat plate Keel.		12" x 3 1/2"
<b>STEM</b> .....		{ Casting as per plan. Skoda. Rolled steel bar. 2 x 3 1/4 inches.		Armstrong's
<b>STERN FRAME</b> {	Propeller <del>cast</del> Blk.	Casting as per plan. Bochumer Verein.		
	Rudder " .....	Casting as per plan. Skoda		
<b>RUDDER—A x D</b> .....		Semi-Balanced.		
<b>Speed of Vessel</b> .....		19 Knots.		
<b>RUDDER</b> mainpiece at head ...		Forging 19 3/8 dia: Bochumer Verein		
" " heel ...		Bochumer Verein		
" how constructed .....		Casting & lower portion double plates 56.		
" double or single plate coupling, vertical or horizontal .....		Horizontal Coupling		

## STEEL

			STIFFENERS.				
			Plating Thickness.	VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings	Spacing
MIDSHIP BULKHEAD, Tween decks...							
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Manufacturer's name or trade mark of the Steel used in the construction of the Vessel (state process of manufacture) *G.H. Pease & Sons Consultants Ltd. Sted Co. of East Kent Works, London E.C. 6. South Western Ry. Co. Portland Cement Works, Clapham, Surrey. British Iron Works, London. British Iron Works, London.*

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



EQUIPMENT No. 82992.												LETTER O†	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.				
31954	1st Bower ...	138	2	14	Strokeless			80	13	3	0	192	Ryers Improved Strokeless	✓	Sunderland. 28 <sup>th</sup> March. 1929
31962	2nd „ ...	134	0	0	★			80	1	1	0	132	★	✓	★. 8 <sup>th</sup> April 1929
31953	3rd „ ...	116	2	0	★			73	12	2	0	112	★	✓	★. 28 <sup>th</sup> March 1929
	Collective weight.	392	0	14								376		✓	
31846	Stream .....	53	3	14	★			44	13	3	0	51½.	★	✓	★. 5 <sup>th</sup> March. 1929

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.		Test of Steel Wire.	Length and Size per Table 53.	
	Length.	Diam.	Statutory.	Breaking.	Supplied.		Per Rule.	Length.	Diam.	Length.					Ins.	Length.		Ins.	Length.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.
83194	330	3/4	161.6	226.2	1445-2-24		1469		330	33/16	Strokeless	The Earl of Dudley R.O. Works Ltd.	Sunderland 15 <sup>th</sup> March 1929	HAWSERS & WARPS	140	4 1/2	128	140	4 1/2
Iron Stream } Steel Wire }		Cir.								Cir.				"	120	4	33	6 @ 120	2 3/4
														"	120	4	33		
														"	120	4	33		
	150	Y	113						150	Y	Strokeless	Webster & Co	Sunderland.	"	120	4	33		

Steering Gear, ~~Electric~~ *Hydro Electric Hasting & Brown Bros.*      Steering Gear, Hand *none fitted (house motor and H. Sams)*

Boats *34 including 2 motor boats.*      Steering Chains, Size and Test *In addition 24 high lifts*      direct Coupled & Reel motor      Windlass *haper. Electric; Austin Control*

Ceiling in Holds, thickness and material *1/2" Insulated*      Cargo Battens, thickness, material and spacing *3 1/2" in. wks of hatch*      6" x 2" - 9" (42)

Cargo Hatchways.-(Upper Deck) *36/30 x 14 1/4*      Thickness of Hatches *3" P.P. Solid to h. of Hatch*      Gratings elsewhere.

Size of No. 1 Hatchway (Forward) *13' 6" x 14'*      No. 2 *18' x 16'*      No. 3 *15' x 18'*      No. 4 *12' x 18'*      No. 5 *9' x 18'*      No. 6 *12' x 16'*

Number of Shifting Beams *2 in h. 1 1/2; 3 in h. 2 and 1 in h. 4.5 8.6.*

For VICKERS-ARMSTRONGS LIMITED.

Builder's Signature *S. L. Sams*      DIRECTOR.

GENERAL DECLARATION      This vessel has been built in accordance with the approved plans, the instructions contained in the Secretary's letter, and in general conformity with the Rules for the Class contemplated. The workmanship and materials are good.

The double bottom tanks, deep tanks, fore and after peak tanks and oil fuel bunkers have been tested under water pressure to rule requirements with satisfactory results.

The double bottom - 104 to 118 frames - has been arranged for the carriage of Oil fuel.

A duct keel has been fitted forward of machinery space.

This vessel is similar to the V.L.S. "Orford" (Barrow Sp. No. 2241)

The amount of Entry Fee ..... £ 12 : 0 : 0      Fees applied for, *asm.*

Special Survey Fee.... £ 544 : 12 : 6      2nd Aug 1929

*Freight Assgmt*      13 - 15 - 0      Received by me, *8.8.29*

Travelling Expenses, if any £      :      :     

State whether the Vessel has been built under Special Survey *Yes*      Signature *Mr. Davis & R. Farley*

*H.M.*      Certificate to be sent to *Barrow.*      Date of issue *7/8/29*      Surveyor to Lloyd's Register of Shipping.


Committee's Minute      FRI. 9 AUG 1929

Character assigned      *+ 100 A1 With Freeboard*

*Lloyd's A & C.P.*      *+ L.M.C. 7.29*      *C.L. P.S.*

*Fitted for Oil Fuel 7.29. F.P. above 1500*

*My*



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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.)

Profile, Midship Section, Equipment, Riveting Schemes, Deck plans, Pillars and Girders, Watertight Bulkheads, Bracing, Lunnah, Engine Seating, Superstructures and Topsides, Rudder, Stem, Oil Bunkers, Wing Tanks in E.C., Cargo Hatches, Girders at Hatch Ends, Cargo Doors, Mast, Anchor, Crane, Whacklan, Davit

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

1st Bower 81.25 MR 654 8<sup>th</sup> 11<sup>th</sup> May 1928  
2nd „ 81.45 MR 689 23<sup>rd</sup> 26<sup>th</sup> Oct 1928  
3rd „ 65.2.21 MR 694 4<sup>th</sup> Jan 1929

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge 361 ft., Forecastle 48 ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 3 decks Stl (leather deck Leaks)  
4<sup>th</sup> deck (Stl) in fore holds and in 4<sup>th</sup> 5 & 6 holds; 5<sup>th</sup> deck in 4<sup>th</sup> hold.

Official No. 146024; Signal Letters

If bottom of Vessel has been coated Inside Yes give

particulars of composition Cement on bottom and Cement wash in water tanks; Oil coating in Oil fuel tanks.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	114	233	Fore peak tank,	23	98
Double bottom, under Engines and Boilers,	180	1114	After peak tank,	32	172
Double bottom, if under Engines only,	✓	✓	Deep tank, aft, at R Side & Tunnel.	82	658
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,		
Double bottom, forward,	214	459	Other tanks, if fitted,		
Total capacity of double bottom		2109	(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. 634

Date 16-12-24

Dates of Surveys held while building

1925. Jan 10. 13. 17. 20. 27. 31. Feb 5. 9. 10. 13. 14. 15. 16. 17. 20. 24. 27. 28. 29. Mar 1. 2. 5. 6. 7. 8. 9. 16. 19. 20. 21. 22. 23. 26. 27. 28. 29. 30.  
Apr 2. 3. 10. 11. 12. 13. 16. 17. 18. 20. 23. 24. 25. 26. 27. 28. May 1. 2. 3. 4. 7. 8. 9. 10. 11. 14. 15. 16. 17. 18. 21. 22. 23. 24. 25. 30. Jun 4. 5. 6. 7. 8. 11. 12. 13. 14. 15. 18.  
19. 20. 21. 22. 25. 26. 27. 28. Jul 4. 2. 3. 4. 5. 6. 13. 23. 24. 25. 26. 30. 31. Aug 1. 2. 3. 4. 14. 17. 18. 20. 21. 22. 23. 24. 27. 28. 29. 30. 31. Sep 5. 10. 11. 12. 14.  
17. 18. 19. 22. 23. 24. 25. 26. 27. 28. Oct 1. 3. 4. 7. 8. 9. 10. 11. 15. 16. 17. 18. 19. 22. 23. 24. 25. 26. 29. 30. 31. Nov 1. 2. 6. 7. 8. 12. 13. 14. 15. 16. 19. 20. 21.  
22. 23. 27. 28. 29. 30. Dec 16. 1929. Jan 22. Feb 20. March 12. April 9. May 10. Jun 14. Total No. of Visits 302  
July 22. 1931