

STEEL STEAMER ~~or MOTORSHIP~~.

Received at London Office

10 JAN 1927

State if Report has been sent on the Freeboard of the Vessel. YesState if Report is sent on the Machinery of the Vessel. Yes

Date of completion of report 8th January 1927 Port of SUNDERLAND No. 29353
 Survey held at SUNDERLAND Date First Survey 20th March 1924 Last Survey 3rd January 1927
 On the (State if Machinery fitted Aft and) SINGLE SCREW STEAMER "CYDONIA" machinery amidships
 State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING State Type of Erections POOP, BRIDGE & FLE

TONNAGE under Tonnage Deck... 3324.52CLASS + 100 A-1State if with freeboard as condition of Class NoBuilt at SUNDERLANDDo. of space or spaces between Tonnage Dk. and Upper Dk. NoneLength from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 356.0Launched December 3rd 1926 Yard No. 258Breadth (greatest moulded) B 48.42Builder MESSRS JOHN BLUMER & CO LTD

Total

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 25.91Owners Stag Line, Ltd.Gross Tonnage 3516.94Register Tonnage 2175.491st Longitudinal Number (L x D) = 9223Managers J Robinson & Sons
(Where necessary to be entered in Reg. Book.)2nd Numeral L x (B + D) = 26461Residence North ShieldsREGISTERED DIMENSIONS.
FEET.Length 356.3Framing Depth "d," at middle of length. See Sec. 3 (1d) 22.87 + 22.0Port of Registry North ShieldsBreadth 48.75Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.73

If surveyed while building, afloat, or in dry dock

Depth 23.9Do. Long Bridge to top of keel 10.81Draught Moulded 22.8Building & afloat.

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	26		Bracket Floors, Frame	L 8 3/2 46	
" " from 1/2 length to Collision bulkhead	26		" " Reversed Frame	L 7 1/2 3 46	
" " in peaks	24		" " Vertical Struts	L 7 1/2 3 46	
DE FRAMING.			Centre Girder, depth and thickness amidships	40" x 48	
Frame Amidships, Angle, E or C	11 3 1/2 50	56 B&B BUNKERS	" " top Angles	SINGLE 5 5 50	
" " Extends up to	UPPER D⁴ BRIDGE D⁴ AT HATCH ENDS		" " bottom Angles	DOUBLE 4 4 53	
Reversed Frame Amidships, Angle	B&A FRAMING		Side Girders, No. each side and thickness	ONE 36	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	32" x 44 3 1/2 x 44	
Depth of Framing Girder	11		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 3 1/2 37	
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	6 x 3 x 44 (ALT FRAMES)		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3 1/2 3 1/2 37	
" " Second 'tween Decks, Angle, E or C	EVERY FRAME FOR 4 FRAMES AT BRIDGE ENDS		" " Gussets, spacing and scantling abaft 1/2 len. from stem	3 1/2 3 1/2 40	ALTERNATE FRAMES
" " Third " " " "			" " Gussets, spacing and scantling forward 1/2 len. from stem	3 1/2 3 1/2 40	EVERY FRAME
Framing in Peaks, Angle, E or C	6 1/2 3 1/2 51		Tank Side Brackets, height above base line at toe of Frame and thickness	8" x 36 + (60 x 36 IN FOR 1st HOLD)	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 - 6 1/4 C to C		INNER BOTTOM PLATING.		
State if Frame Joggled	YES		Breadth and thickness of Middle Line Strake	70 x 42 + 75 x 44	
PLATING ARRANGEMENTS (Sec. 7), state system and particulars	PANTING BEAMS		Thickness of remainder in Holds	40	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	FRAMES AS APPROVED		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	
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, E or C	9 3 1/2 54	
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or C	8 1/2 3 1/2 50	
Middle Line Keelson, on Floors, Angles, E or C			Spacing	EVERY FRAME	
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, E or C		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, E or C		
Keelsons, No. each side			Spacing		
" thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, E or C		
" Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, E or C	6 3 40	
Floors, thickness and spacing	36 EVERY 3 RD FRAME + AS APPROVED		Spacing	EVERY FRAME	
" Are Frame and Reversed Frame joggled?	YES		Bridge Deck, Angle, E or C	7 1/2 3 40	
Bracket Floors, breadth and thickness at middle line	29" x 36		Spacing	EVERY FRAME	
" breadth and thickness at margin plate	29" x 36		Forecastle Deck, Angle, E or C	8 3 42	
			Spacing	EVERY FRAME	

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.....		ONE			Stringer Plate, breadth and thickness in way of Bridge			
" <i>POOP BRIDGE & FLE</i> in/tween Decks, Size and Spacing.....		2 7/8" ALT FRAMES			Thickness of Plating abreast Deck openings in way of Wells			
" " " " "					Thickness of Plating abreast Deck openings in way of Bridge			
" in Holds " " }		CENTRE LINE			Thickness of Plating within line of openings...			
" " " " " }		BULKHEAD.			If Sheathed, material and thickness			
Centre Line Bulkhead.		1 1/2 x 3 x 50 RA			Third Deck.			
Stiffeners and Spacing.....		ALTERNATE FRAMES. 6 1/2 x 3 x 40 RA			Stringer Plate, breadth and thickness.....			
Plating, thickness of		30			If Plated, state thickness.....			
STRINGERS AND DECKS.					Fourth Deck.			
Uppermost Continuous Deck.		56" x 60			Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness in Wells		56" x 36			If Plated, state thickness			
" " " " in way of Bridge		5 5 60			Poop Deck.			
" Angle in Wells					Stringer Plate, breadth and thickness		22" x 33	
Thickness of Plating abreast Deck openings in way of Wells		50, 64 AT BRIDGE ENDS			Plating, Sheathing, material and thickness		30 NO SHEATHING	
Thickness of Plating abreast Deck openings in way of Bridge		32 x 40			Bridge Deck.			
Thickness of Plating within line of openings...		34 TO 32			Stringer Plate, breadth and thickness.....		52" x 50	
If Sheathed, material and thickness		NO SHEATHING			Plating, Sheathing, material and thickness		38 TO 34 NO SHEATHING	
Second Deck.					Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...					Stringer Plate, breadth and thickness.....		33" x 34	
					Plating, Sheathing, material and thickness		26, 40 UNDER WINDCAST 5 x 2 1/2 RA	

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? No.		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.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.	Inches.	Inches.	
FLAT PLATE KEEL	46 1/2	10	63	63		DOUBLE	7/8	3 1/4	4 R.	7/8	3 1/2 LAPPED
" DBLG. (if any)											
BOTTOM PLATING, No. of Strakes ... 3	74 1/2	55	44	44		DOUBLE	7/8	3 1/4	3 R	7/8	3 1/2 LAPPED
BILGE PLATING, No. of Strakes ... ONE	64 1/2	55	44	44		"	"	3 R	"	"	"
SIDE PLATING, No. of Strakes ... 3	64 63 63	55	42	42		"	"	3 R	"	"	"
UPPER DECK, Sheer-strake in Wells.....	52 3/4	56 TO 60 RA	42	42				TO 3 R	1 1/8	4 3/8	"
UPPER DECK, Sheer-strake in Bridge ...	52 3/4	55	42	42		DOUBLE	7/8	3 1/4	3 R	7/8	3 1/2
STRAKE BELOW Sheer-strake in Wells.....	66	60 TO 50	42	42		"	7/8	3 1/4	3 R	"	"
STRAKE BELOW Sheer-strake in Bridge ...	66	55				"	7/8	3 1/4	3 R	"	"
POOP SIDE PLATING				36		SINGLE	3/4	3	1 R	3/4	2 5/8
BRIDGE SIDE PLATING ... ONE FRAME	56 TO 50							3 R	7/8	3 1/2	"
FORECASTLE SIDE PLATING			39			SINGLE	3/4	3	1 R	3/4	2 5/8

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	6 (ALL TO UPPER DECK)
" Deck next below	
As per Rule	6

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks					
" " Second "					
" " Third "					
" " Holds N° 88 FRAME	38-26	11 x 3 1/2 x 48	30"		
" " Holds N° 89 FRAME	44-26	11 x 3 3/4 x 48	30"		
COLLISION (in Hold)	44 TO 26	6 x 3 x 38 RA	24"	FOREPEAK FLAT	
AFTER PEAK " "	42-30	6 x 3 x 36	24"	SEMI BOX BEAM	
	70 N/WAY	6 x 3 x 36	24"	TUNNEL RECESS & 2 SEMI BOX BEAMS	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				FLAT PLATE KEEL
STEM	IRON FORGING	10 x 2 1/2	NAGANUS FOUNDRY	9" x 2 1/4
STERN FRAME {	Propeller Post	10 x 6 1/2	"	
	Rudder "	9 x 6 1/2	"	
RUDDER—A x D		114.16 x 8.10		353.89
Speed of Vessel				NOT EXCEEDING 10 KNOTS.
RUDDER mainpiece at head {	FORGED	8 1/2"	J. ROGERSON & CO LTD	
	INGOT STEEL	6 1/2"	"	
" " heel				
" how constructed				CAST STEEL ARMS & RUNGON
" double or single plate				SINGLE 1-04
" coupling, vertical or horizontal				HORIZONTAL.

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *CARDO FLEET IRON CO LTD* *BOTH DURHAM & I CO LTD* *OPEN HEARTH PROCESS.*

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

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Lloyd's Register Foundation

10 JAN 1921

EQUIPMENT No. 28212												LETTER W		ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, ^{NET} 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.					
29659	1st Bower ...	53	3	0	STOCK LESS			44	12	2	0	52.5	Byers Improved Stockless	not stated	SEA 11-12-26 J.H. Butler	
29660	2nd „ ...	52	2	0	"			43	18	3	0	52.5	- do -	- do -	" - " - "	
29661	3rd „ ...	44	2	14	"			39	0	1	7	44.5	- do -	- do -	" - " - "	
	Collective weight.	150	3	14								149.5			" - 13-12-26 - "	
87233	Stream	14	0	21	3	3	3	15	16	3	14	114	Ordinary Stock	N. Angley & Sons Ltd	Rutherford 20-11-24	H. Green

CHAIN CABLES

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.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			Length.	Cir.		Length.	Cir.
75737	135	2 1/16	76.5	107.1	288	1-13	286	3	14	270	2 1/16	Steel link	N. Angley & Sons Ltd. Rutherford 18-9-24. H. Green		120	4 1/2	39	120	4 1/2
75736	135	2 1/16	"	"	286	3-16	286	3	14	270	2 1/16	Steel link			2-90	7	manilla	2-90	7
Iron Stream Chain or Steel Wire	90	4 1/2	39									G. S. H. Glaholm & Robson			2-90	7	"	2-90	7
															2-90	3	18 Tons	-	-
															2-90	2 1/2	12 1/2"	-	-

Steering Gear, Steam *JOHN LYNN & CO. LTD.* Tiller Operated by Wire Ropes and Tackle Worked from Winch. Steering Gear, Hand *RUDDER BRAKE FITTED*

Boats *2 LIFEBOATS 25'0" LONG BY 16'0"* Steering Chains, Size and Test *1 1/4 dia 18 3/4 tons* Windlass *EMERSON WALKER & THOMPSON BRAS LTD.*

Ceiling in Holds, thickness and material *FITTED IN WAY OF HATCHES - PLATES 2 1/2" W.* Cargo Battens, thickness, material and spacing *2" W. SPACED 9"*

Cargo Hatchways. (Upper Deck) *Steel plates & angles.* Thickness of Hatches *3"*

Size of No. 1 Hatchway (Forward) *26'0" x 19'0"* No. 2 *26'0" x 19'0"* No. 3 *19'6" x 19'0"* No. 4 *28'2" x 19'0"* No. 5 *28'2" x 19'0"* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *Beams 5 in Nos 1, 2, 4 & 5, 3 in No 3, no fore & afters.*

For JOHN BLUMER & CO., LTD.

Builder's Signature

P. Edwards

Secretary

GENERAL DECLARATION

This vessel has been built in accordance with the approved plans & instructions & the Society's Revised Rules. The materials and workmanship are good and efficient. The freeboard has been verified & the marks cut in on the vessel's sides. The double bottom tanks and peak tanks have been tested and found satisfactory & the weather decks, bulkheads & tunnel hose tested with satisfactory results.

The following approved plans are forwarded herewith viz:- Midship Section, Profile & Deck; Rudder; Stern Frame; Centre line bulkhead in after hold; pumping arrangement together with Midship Section & Elevation showing vessel as built.

Forging reports for Rudder, Stern Frame & Stern also forwarded herewith.

This vessel was ready for launching in January 1925, from that date to the time of launch the surfaces of all steel have been kept clean, coated where necessary and in good condition.

P. T. O

The amount of Entry Fee £ 7 : 0 : 0 } Fees applied for,
Special Survey Fee.... £ 250 : 17 : 0 } - 5 JAN. 1927
Travelling Expenses, if any £ - : - : - } Received by me,
- 7 JAN. 1927 *W. T. Hudson*

I am of opinion the Vessel should be Classed *+ 100 A.1.*

State whether the Vessel has been built under Special Survey *YES*

Signature *W. T. Hudson & T. Shaw*

Surveyor to Lloyd's Register of Shipping.

Null & Michy Certificate to be sent to *SUNDERLAND.* Date of issue *14/1/27*

Committee's Minute *FRI. 14 JAN 1927*

Character assigned *100 A.1.*

Lloyd's A.S.C.P. + L.M.C. 1:27

My

C.L.



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W1022-00602/2

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.)

This vessel is the same dimensions and of similar construction to the $\frac{3}{8}$ "Usworth" (Messrs Blumers' Yard No 254 Sld rep^d No 29327) with the exception of the length of the bridge

PILLARS,

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POOP SIDE I

BRIDGE SID

FORECASTLE S

Total No.

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

1st Bower	29654	33.2.0	MB	2835	15.7.26
2nd "	29660	33.1.0	KH	4168	17.9.26
3rd "	29661	27.1.0	MB	3013	27.10.26

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 33.91 ft., R.Q.D. ☒ ft., Bridge 216.66 ft., Forecastle 31.5 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 D⁴ (STL)

Official No. 148802 ; Signal Letters KYNL
Is bottom of Vessel coated with cement ☒ if not give
particulars of composition. BOTTOM COATED WITH CEMENT IN WAY OF E & B ROOM TANKS, CEMENT FILLETS ELSEWHERE.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	123.5	291	Fore peak tank,	14.5	40
Double bottom, under Engines and Boilers,	43.33	146	After peak tank,	18.0	111
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	144.33	344	Other tanks, if fitted,		
Total capacity of double bottom		814	(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 5564

Date 26.2.24

Dates of Surveys
held while building

1924. Mch. 20. 24. 27. Apr. 15. 16. 24. 29. May. 6. 13. 19. 26. 28. June 5. 12. 19. July. 3. 17.
24. 30. Aug. 15. 20. 26. Sep. 1. 4. 8. 13. 24. 30. Oct. 3. 6. 9. 13. 16. 20. 21. 23. 28. 30. Nov. 3. 7. 10. 13.
14. 19. 21. 25. 26. Dec. 3. 16. 1925. Jan. 10. 20. 1926. Feb. 23. Aug. 13. Oct. 26. 29. Nov. 2. 16.
24. 25. Dec. 3. 8. 11. 20. 22. 29. 31. 1927. Jan. 3.

Total No. of Visits 67