

With or Without  
Disconnected Erections.

STEEL STEAMER.

Received at London Office  
THU 21 FEB. 1924

Date of completion of report  
Survey held at

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

Gen (Hbl. F.E. Rpt)  
No. 11837

On the (State if Single, Twin, or Triple Screw)

Twin Screw Motor Ship "Sycamore"

Rig Fore and Aft

TONNAGE under

CLASS T100A1

FEET.

Built at Haverton Hill on Tees

Do. between Tonnage Dk. and 3rd and 4th Dk.

Breadth (greatest moulded) 52.0

When built 1924 Launched 31<sup>st</sup> May 1923

Total under Upper Dk.

Depth, at middle of length from top of keel to top of upper deck beams at side

By whom built Furness Ship & B<sup>o</sup> Ltd.

Do. of Poop

Transverse Number 77.16

Owners Johnston Line Ltd.

Do. of R.Q.Dk.

Length on deck from fore part of stem to after part of stern post 363

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

Do. of Bridge House

Longitudinal Number 28009

Residence

Do. of Forecastle

Depth "d," at middle of length (See Secs. 2 & 13) 14.64

Port belonging to Liverpool

Do. of Houses on Dk.

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 13.48

Do. of excess of Hatchways

" " Long Bridge Deck Beam at side to top of keel 10.39

Do. above Crown of Engine Room

Gross Tonnage 3908.35

Less Crew Space 243.62

Less Engine Room 1547.60

Less Navigation Spaces 76.42

Register Tonnage 2040.71

Destined Voyage Antwerp

If Surveyed while Building, Afloat, or in Dry Dock

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
363	0		52	0		Do. do. do. Second Dk. Beams	24	2	15	7

Dimensions of Ship per Register, Length 364 breadth 52.2 depth 24.15 Moulded depth, ft. 34 ins. 11 To Bridge Dk. Round of Upper Dk. Beam, Actual 13 ins.

FRAMING.				PILLARS.			
FRAME, Angles, or Bars amidships	Inches in Ship	Inches in Ship	Inches in Ship	PILLARS In 'tween Deck, size and spacing	Inches in Ship	Inches in Ship	Inches in Ship
Do. in peaks	10	32	42	" " Hold	6	alpha	5.0.8.30
Do. in way of Double Bottoms at Solid Floors	7	32	34	" " Quarter 'tween Dks.,	"	"	5.0.8.30
" " at intermdt. Bkts.	32	32	38	" " in Hold	"	"	with 15x4x4x40 hatchends
Spacing of Frames from centre to centre amidships	33		33				
" " length to Collision bulkhead	24 7/8		24 7/8				
" " in peaks	24		24				
REVERSED FRAME, Angles	32	32	38				
Do. in way of Double Bottoms at Solid Floors							
" " at intermdt. Bkts.							
FRAMING, depth of girder							
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships							
" in way of Engine and Boiler Spaces							
" thickness at the ends of vessel							
" depth at 1/2 the half breadth, as per Rule							
" height extended at the Bilges							
FLOORS in Cell. Double Bottoms	38/36	5/8	38/36				
" state if flanged (top & bottom)	no		stiffened				
" Spacing of Solid floors	33	26 7/8	33				
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss	46x46	36	50E.				
" " Angles, Top	32	32	48				
" " Bottom	42	42	58				
" " to Floors	32x32	38	32x32				
BRACKETS at intermdt. frng., wdth & thcknss	32	32	40				
SIDE GIRDERS, number on each side & thickness	36	3/4	5ES				
" state if flanged (top and bottom)	no		no				
" " Angles (top and bottom)	7	32	38				
" " to Floors	32	32	38				
MARGIN PLATE, depth (exclusive of flange) and thickness	50	48	44				
" " Angle to Outside Plating	32	32	44				
" " Floors	32	32	38				
" Brackets at intermdt. frng., wdth & thcknss							
Height of Outside Brackets above at bilge	23 1/2		23 1/2				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	8 1/4	x	48/40				
" " in Engine and Boiler space	1 1/4	50	1 1/4				
" " Remainder in Holds	44	40	44				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	10	32	44				
" In way of Long Bridge	8	32	40				
" Spacing	33	26 1/8	33				
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	10	32	44				
" Spacing	33	26 1/8	33				
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	10	32	44				
" Angles on upper edge	8	32	40				
" Spacing	33	26 1/8	33				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	10	32	44				
" Angles on upper edge	8	32	40				
" Spacing	33	26 1/8	33				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	32	46				
" Angles on upper edge	8	32	40				
" Spacing	33	26 1/8	33				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	32	40				
" Angles on upper edge	8	32	40				
" Spacing	33	26 1/8	33				



WEB FRAMES. In Fore Body, No. and spacing brdth. & thickness. 24" x 40 24" x 38. No. of Side Stringers 102. WEB FRAMES, In E. & B. Space, No. and spacing brdth. & thickness. 10" x 38. WEB FRAMES, In After Body, No. and spacing brdth. & thickness. 10" x 38. Size of Face Angles to Web-Frames. BRACKET PLATES to Stringers between Web Frames, depth and thickness.

BULKHEADS. Thickness. STIFFENERS. Horizontal. Vertical. Single or Double. Height up, state deck. Total No. of W.T. BULKHEADS. In Ship 62 Per Rule 6. SCANTLING MIDSHIP BIDS. COLLISION. AFT PEAK. PARTITION. RIVETING. PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS. IF LAPPED.

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS. IF LAPPED. THICKNESS OF SHEET PILE. CLEAR OF LONG BRIDGE. DO. OF STRAKE BELOW. DELG. of Flat Plate Keel. POOP SIDES. SHORT BRIDGE SIDES. FORECASTLE SIDES.

Upper Deck. Stringer Plate. Second Deck. Stringer Plate. FRAMES extend in one length from margin to Bridge. REVERSED FRAMES on floors and frames extend from margin to margin.

MASTS, SPARS, &c. LOWER MASTS. Bowsprit. Topmasts, Yards and Remainder of Spars. Rigging, Material and Size, Shrouds. Sails.

EQUIPMENT No. 30852. LETTER X. ANCHORS. TONNAGE U.K. OR PLATING No. FOR TRAWLERS. Number of Certificate. Anchors. WEIGHT. STOCK. WEIGHT OF HEAD. TEST, PER CERTIFICATE. WEIGHT REQUIRED BY TABLE 31. Description of Anchor. Makers. Where and when tested and Superintendent.

CHAIN CABLES. HAWSERS AND WARPS. Number of Certificate. Length and size supplied. Test per Certificate. WEIGHT OF CHAIN CABLE. Length and size supplied. Description. Makers of Cables. Where and when tested, and Superintendent. Material. Length and size supplied. Breaking Test of Steel Wire. Length. Circ.

Boats. Steering Gear, Steam Nigham & Sons. Steering Gear, Hand Blocks & Jacks led to Winches. Pumps, Number one to Chain Locker. Windlass is Emerson, Walker and Thompson. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers. Ceiling in Holds. Cargo Batches. Cargo Hatchways. State size No. 1 Hatch (Forward). No. 2 Hatch. No. 3 Hatch. No. 4 Hatch. Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. No. of Breasthooks. No. of Crutches. Main Rail, material and size.

Correspondence. State dates and initials of letters respecting this case. Workmanship. Are the butts of plating planed or otherwise fitted? Is the riveted work properly closed? Are the liners between the frames and plates solid single pieces? Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? Do any rivets break into or through the seams or butts of the plating? Are the butts of Plating, Stringers, &c., properly shifted and strapped? Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? General Remarks (State quality of workmanship, &c.).

This vessel has been built in accordance with the approved plans, the Secy's letters of above date and in general conformity with the rules for the class contemplated. Steam steering gear, winches and windlass tried and found satisfactory. Auxiliary means of steering provided by means of wire ropes and blocks - led to steam winches - also tried with satisfactory results. The vessel has been fitted for carrying oil fuel in double bottom tanks - these tanks have been tested as required by rules - the vessel being eligible for the notation carrying and burning oil fuel flash point above 150°F. No cargo battens have been fitted in the Forecastle or Bridge tween deck spaces. 25 Plans and 5 forging certificates together with a copy of the Midship Section, Profile and Deck plans, as built, are forwarded herewith. It is requested that the approved plans be returned for use in dealing with the sister vessel now building. Note: This vessel is fitted with Submarine Signalling. Plans to be forwarded when received from Builders.

The amount of Entry Fee. Special Survey Fee. Travelling Expenses. State whether the Vessel has been built under Special Survey. I am of opinion this Vessel should be Classed. With or without Freeboard, as condition of Class. Committee's Minute. Character assigned.

Character assigned. 100A1. Lloyds at 6 P. 100A1. 2021. FRI. MAR 21 1924. Lloyd's Register Foundation.



GENERAL REMARKS—

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 24.25 ft., R.Q.D. ✓ ft., Bridge 194.92 ft., Forecastle 88.3 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Combined Poop and Bridge Decks.*

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) *one deck steel and one deck part steel rim of beams at remainder with planking.*

Official No. 147243 : Signal Letters ✓ State if Machinery is fitted aft *No*  
If bottom of Vessel has been coated Inside *Yes* Outside *Yes* give particulars of paint or other composition *Oil tanks coated with oil and enamel. Deck - 2 coats red lead diffused with white lead. Peak tanks cement washed anti-corrosive + British anti-fouling navy protection.*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system. *Yes*

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	46.75	266	Fore peak tank,	19.5	800
Double bottom, under Engines and Boilers,	—	—	After peak tank,	19.5	60
Double bottom, if under Engines only,	30.25	141 F.W.	Deep tank, aft, <i>between funnels</i>	38.5	80
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	28.6	59
Double bottom, forward,	192.5	757	Other tanks, if fitted, <i>side tanks aft</i>	11.0	152
		Total capacity of double bottom	(If necessary, furnish further information by sketch.)		
		1164			

\* The wells are not to be included in the lengths of the tanks. *Double bottom under engines arranged to carry oil fuel. No tank in way of deep tank for oil.* State whether the above have been tested as required by the Rules. *Yes.*

Order for Special Survey No. 1330	DATES OF SURVEYS held while building	1921 Dec. 23 (1922) Jan. 6. 10. 12. 25. 30. Feb. 16. May. 20. 29. Sep. 26. May. 10. 11. 15. 19. 23. 26. 31. June 2. 14. 16. 19. 28. 30. July 5. 10. 12. 21. 25. 28. Aug. 1. 2. 8. 10. 16. 30. 31. Sept. 4. 5. 6. 7. 8. 13. 19. 21. 22. 27. Oct. 2. 10. 12. 17. 21.
Date 21. 12. 20		Nov. 2. 7. 10. 13. 16. 21. 27 Dec. 1. 4. 5. 11. 13. 14. 15. 18. 27. (1923) Jan. 4. 12. 16. 17. 30 Feb. 1. 5. 7. 8. 12. 15. 23. 28.
No. 31 in builder's yard.		5. 6. 8. 16. Sep. 11. 18. May 7. 8. 16. 18. 23. 24. 25. 27. 30. 31. June 6. 8. 18. 26. 27. 29. July 2. 11. 24. Oct. 10. 19.
		10. 11. 13. 17. 18. 20. 28 (1924) Jan. 4. 7. 8. 9. 14. 15. 16. 17. 18. 21. 22. 23. 24. 28. 29. 30 Feb. 4. 7. 8. 9. Total No. of Visits 16

Surveyor's Signature

Robert Farley

Lloyd's Register Foundation