

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

No. 154 44522.

Port of NEWCASTLE-ON-TYNE Date of completion of Report 20th July 1921 Received at London Office THU. 21 JUL. 1921
Survey held at Walker-on-Tyne Date, First Survey 3rd June 1920 Last Survey 7th July 1921
On the (State if Single, Twin, or Triple Screw) Single Screw Steamer "LESTRIS" Rig Schooner

TONNAGE under 1626.445 CLASS 100 A.1. SHELTER OK. Master Not yet appointed.
Tonnage Deck Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk. Breadth (greatest moulded) 42.33
Total under Upper Dk. Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 27.83
Do. of Poop Deduct height of 'tween deck when this does not exceed 5ft. 6.67
Do. of ~~POOP~~ SIDE HOUSES 54.27 Built at Walker, Newcastle-on-Tyne
Do. of ~~POOP~~ House 84.32 When built 1921. Launched Feb 7th 1921
Do. of Forecastle 13.44 By whom built James Hardin & Co. Ltd.
Do. of Houses on Deck Transverse Number 63.49 Owners Bark S.S. Co. Ltd.
Do. of excess of Hatchways 1.89 Longitudinal Number 18412 Managers -do-
Do. above Crown of Engine Room 101.09 Depth "d" at middle of length. See Secs. 2 & 13. 18.08
Gross Tonnage 1881.45 Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 10.4
Less Crew Space 94.74 Port belonging to London
Less above Crown of Engine Room 101.09
TONNAGE FOR FEES 1685.57
Less Engine Room 766.01
Less Navigation Spaces 84.03
Register Tonnage as cut on Beam 936.62
Destined Voyage Not known If Surveyed while Building, Afloat, or in Dry Dock Yes

LENGTH on Deck as per Rule	290	0	BREADTH Moulded	42	44	DEPTH, ACTUAL	Top of Floors to top of Awning or Shelter Dk. Beams	25	18	No. of Decks with flat laid	1 + Shelter Dk.
Dimensions of Ship per Register,											
Length 290.0 breadth 42.6 depth 18.1											

FRAMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	PILLARS.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
FRAME, Angles, or E or L Bars, amidships	9	3 1/2	4 1/2	9	3 1/2	PILLARS, In 'tween Deck, size and spacing	2 1/2	2 1/2	3 1/2	3 1/2	3 1/2
Do. in peaks	6	3	3 1/2	6	3	" " Hold	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	" " Quarter, 'tween Dks.,	1 1/2	1 1/2	1 1/2	1 1/2	1 1/2
" " at intermdt. Bkts.						" " in Hold					
Spacing of Frames from centre to centre amidships	24			24		KEELSONS AND STRINGERS.					
" " length to collision bulkhead	24			24		CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate					
" " of Frames from centre to centre in peaks	24			24		" " Rider Plate					
REVERSED FRAME, Angles						" " Flat Keel Plate Angles					
Do. in way of Double bottoms at Solid Floors	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	" " Horizontal Plates on Floors					
" " at intermdt. Bkts.						" " Angles or Bulb Angles					
FRAMING, depth of girder	9			9		SIDE KEELSONS, Number					
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships						" " Angles or Bulb Angles					
" " in way of Engine and Boiler spaces						" " Plate above floors, for length					
" " thickness at the ends of vessel						" " Intercoastal Plate, for length					
" " depth at 1/2 the half-bdth. as per Rule						" " Attached to outside plating with Angle					
" " height extended at the Bilges						BILGE KEELSON, Angles					
FLOORS, in Cell Double Bottoms	3 1/2	4 1/2	3 1/2	3 1/2	3 1/2	" " Intercoastal Plate, for length					
" " state if flanged (top and bottom)						" " Attached to outside plating with Angle					
" " spacing of Solid	24			24		SIDE STRINGERS, Number					
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss	37	46	56	37	46	" " Angle					
" " Angles, Top	3 1/2	3 1/2	4 1/2	3 1/2	3 1/2	" " Intercoastal Plate, for lng.					
" " Bottom	4	4	4	4	4	" " Attached to outside plating with Angle					
" " to Floors	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	Awning or Shelter Deck Stringer Plates, breadth and thickness	44	50	44	50	
" " Brackets at intermdt. frmng., wdth & thknss						" " Angle on ditto	5 x 5	44	5 x 5	44	
SIDE GIRDERS, number and thickness	34	44	34	34	34	" " Tie Plates, fore and aft, outside Hatchways					
" " state if flanged (top & bottom)	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	" " Deck * Iron Steel, for FULL lng.		30		30	
" " Angles	3	3	3 1/2	3	3	" " Wood Deck, Material & thickness					
MARGIN PLATE, depth (exclusive of flange) and thickness	28	40	28	40		Upper Deck Stringer Plate, breadth and thickness	47	40	44	40	
" " Angles to outside plating	3 1/2	3 1/2	4 1/2	3 1/2	3 1/2	" " Angles on ditto, No.	3 1/2 x 3 1/2	40	3 1/2 x 3 1/2	40	
" " to floors	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	" " Tie Plates, outside Hatchways					
" " Brackets at intermdt. frmng., wdth & thknss						" " Deck * Iron Steel, for FULL lng.		32		32	
" " Height of Brackets above at bilge	19			19		" " Wood Deck, Material & thickness					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	37	44	37	44		Second Deck Stringer Plates, br'dth & thkn's					
" " thickness in Engine and Boiler space	42	52	42	52	52	" " Angles on ditto, No.					
REMAINDER OF UNDER HATCHWAYS	36	32	36	32		" " Tie Plates, outside Hatchways					
BEAMS, Iron or Shlt. Dk., Angle, Bulb Angle, Plate, Tee Bulb or Channel	6	3	3 1/2	6	3	" " Deck * Material and thickness					
" " Spacing	24			24		Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness					
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	8	3	4 1/2	8	3	" " Angles on ditto, No.					
" " Spacing	48			48		" " Tie Plates, outside Hatchways					
BEAMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel						" " Deck, Material and thickness					
" " Angles on upper edge						Poop Deck Stringer Plate, breadth & thickness					
" " Spacing						" " Angles on ditto					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						" " Tie Plates					
" " Angles on upper edge						" " Deck, Material and thickness					
" " Spacing						Bridge Deck Stringer Plate, br'dth & thickness					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						" " Angle on ditto					
" " Angles on upper edge						" " Tie Plates					
" " Spacing						" " Deck, Material and thickness					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						Forecastle Deck Stringer Plate, br'dth & th'kns					
" " Angles on upper edge						" " Angle on ditto					
" " Spacing						" " Tie Plates					
" " Deck, Material and thickness						" " Deck, Material and thickness					

WEB FRAMES.

TWEEN DECK

WEB-FRAMES, In Fore Body, No. and spacing

brth. & thickness:

No. of Side Stringers

WEB-FRAMES, In E. & B. Space, No. & spacing

brth. & thickness

WEB-FRAMES, In After Body, No. and spacing

brth. & thickness

No. of Side Stringers

Size of Face Angle to Web-Frames

BRACKET PLATES to Stringers between

Web Frames, depth and thickness.

BULKHEADS.

Number.

Thickness.

STIFFENERS.

Single or Double Frames.

Height up, state deck.

W.T. BULKHEADS

AFTER PEAK

COLLISION

PARTITION

LONGITUDINAL

FORGINGS or CASTINGS.

KEEL, Bar, depth and thickness

STEM, moulding and thickness

STERN-POST for Rudder do. do.

for Propeller

RUDDER—A×D* Table 22. Speed

Main-Piece, diameter at head

at heel

RUDDER, how constructed

Thickness of Single Plate

Can the Rudder be unshipped afloat?

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.?

Has the Steel been tested as required by the Rules?

PLATING.

STRAKES.

AS IN SHIP.

PER RULE OR AS APPROVED.

EDGES

RIVETING.

BUTTS.

THICKNESS OF SHEET PILE

CLEAR OF LONG BRIDGE

DO. OF STRAKE BELOW

DELG. of Flat Plate Keel

Sheerstrakes

Length and thickness.

POOP SIDES

SHORT BRIDGE SIDES

FORECASTLE SIDES

Working on

Shelter Deck

Stringer Plate

Upper Deck

Stringer Plate

Butts, riveted for

Scams, single or overlapped for

Butts, riveted for

Scams, single or overlapped for

Butts of Side Stringers

Tie Plates

Inner Bottom Plating, riveting of Edges

Centre Girder Butts, riveted.

Keelson Butts, riveted.

Frames, riveted through Plates with

Rivets, state whether Iron or Steel

FRAMES extend in one length from

REVERSED FRAMES on floors and frames extend

MASTS, SPARS, &c.

LOWER MASTS

Bowsprit

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds

Sails.

EQUIPMENT No. 20218 LETTER S.V.										ANCHORS.													
Number of Certificate.		Anchors.		WEIGHT, EX. STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE.		WEIGHT REQ. BY TABLE 31.		Description of Anchor.		Makers.		Where and when tested and Superintendent.							
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwt.	qrs.	lbs.	Cwts.	qrs.	lbs.									
55557	1st Bower	37	1	21	Stainless	34	0	2	14	3/4	2	18	3/4	"	S-Taylor & Sons	Tipton 6-11-20	N.A. Shipyard						
55553	2nd "	37	0	10	"	33	16	3	14	3/4	2	18	3/4	"	"	" 5-11-20	-do-						
55558	3rd "	37	0	0	"	33	15	0	0	3/4	2	18	3/4	"	"	" 6-11-20	-do-						
		Collection weight		111		2		3				140		0		0							
55568	Stream	10	1	10	2	2	0	12	6	2	7	10	0	0	Ordinary	S-Taylor & Sons	Tipton 11-11-20	N.A. Shipyard					
55569	Kedge	5	0	10	1	1	4	7	9	2	21	5	0	0	"	"	" 11-11-20	-do-					
Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.		1st Bower Cast Steel Head 23-0-14 J.D. Cert. N° 5240. 27.8.20. 2nd " " " " 23.1.0 J.D. " 5393 27.8.20. 3rd " " " " 23.0.14 J.D. " 5392 27.8.20.																					
CHAIN CABLES.										HAWSEWS AND WARPS.													
Number of Certificate.		Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 31.		Description.		Makers of Cables.		Where and when tested, and Superintendent.		Material.		Breaking Test of Steel Wire Towing.		Length and Size per Table 31.			
		Fathoms.	Inches.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Fathoms.	Inches.					Fathoms.	Inches.	Fathoms.	Inches.		
555430	240	1 1/2	59 1/2	82 1/2	40.0	17.3	397.3	6	240	1 1/2	Steel Link S-Taylor & Sons Tipton 8.11.20. N.A. Shipyard					TOWLINE		90	4	33	90	4	
		75		44		35				78		4 1/2		Steel wire.				HAWSEWS & WARPS		2075	8	2290	7
																				4090	6	2090	6
																				2090	5 1/2		
																				2090	5 1/2		
Boats 2 Lifeboats @ 25'0". Steering Gear, Steam Main Rail and Stays, material and size 3 1/2 x 3 1/2 x 3 1/2. Steering Gear, Hand Diameter of Barrel 5" + 4 State whether they are in efficient working order Yes.																							
Pumps, Number One Broomton & one hand pump for fire use. Capstan																							
Windlass is Clarke Chapman & Co.																							
Engine Room Skylights.—How constructed? Plates and angles What arrangements for deadlights in bad weather? Bulls eyes.																							
Coal Bunker Openings.—How constructed? Plates and angles. How are lids secured? Battens + cleats Height above deck? 18"																							
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 8 scuppers each side shell. 6 each side upper deck. 14 Port 21 Starboard. 7 x 2 whole length.																							
Ceiling in Holds, thickness and material none. Cargo Battens, thickness and material Hatches, if strong and efficient? Yes.																							
Cargo Hatchways.—How formed? Steel plates and angles. State size No. 1 Hatch (Forward) 12'0" x 16'0" No. 2 Hatch 26'0" x 16'0" No. 3 Hatch 12'0" x 16'0" No. 4 Hatch 26'0" x 16'0"																							
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 2 web plates to No. 1 & 3 hatches. 4 web plates to No. 2 & 4 hatches.																							
No. of Breasthooks 6 with decks No. of Crutches 6 each floor.																							
Bulkheads, height above deck and description 3'7" 26 plates fore and aft main rail and stays. Main Rail and Stays, material and size 3 1/2 x 3 1/2 x 3 1/2.																							
The foregoing is a correct description. Surveyor's Signature S.J. Robson. Lloyd's Register of Shipping.																							
Builder's Signature (here only) F. Dunning Crockett																							
Correspondence.—State dates and initials of letters respecting this case. Reference should be made in any correspondence connected with the case) 1920. April 13 M.																							
14th M. 20th E. 29th M. May 28th M. June 4th M. 11th M. 1921. April 12th.																							
Workmanship. Are the butts of plating planed or otherwise fitted? Planed.																							
Is the riveted work properly closed? Yes.																							
Are the liners between the frames and plates solid single pieces? Jogged frames. Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes. Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? Yes. Do any rivets break into or through the seams or butts of the plating? A few.																							
Are the butts of Plating, Stringers, &c., properly shifted and lapped? Yes.																							
Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes. State results of tests Satisfactory.																							
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes. State results of tests Satisfactory.																							
General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the approved plans and the Piercing's Letter, and in general conformity with the Rules. The materials & workmanship employed are of good quality. This vessel is similar to the S.S. "Bittern" Nov Rps 73637 built at the Neptune Yard of Messrs Brown Hunter & Wigham Richardson Ltd. Engine & Boiler Room double bottom timbers and deep tank forward of Boiler Room strengthened for carrying oil fuel. Eight places berewith and four forging reports.																							
The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.																							
Treeboard #6																							
The amount of Entry Fee £ 5 : 0 : 0 Fees applied for, 20/7/1921.																							
Special Survey Fee £ 169 : 1 : 0 Received by me, 6.9.1921.																							
Travelling Expenses, if any £ :																							
State whether the Vessel has been built under Special Survey. Yes.																							
I am of opinion this Vessel should be Classed + 100 A.S. Shelter deck.																							
With, or without Freeboard, as condition of Class With.																							
Committee's Minute Fri. 29 JUL. 1921																							
Character assigned 100A1																							

Date of writing Report

No. in Survey Reg. Book.

on the

Master

Engines made at

Boilers made at

Registered Horse Power

Nom. Horse Power

ENGINES,

Dia. of Cylinders

Is the screw shaft

in the propeller

between the bearings

liners are fitted

Dia. of Tunnel shaft

collars $11\frac{1}{2}$ "

No. of Feed pumps

No. of Bilge pumps

No. of Donkey Engines

In Engine Room

no. 3-hold

No. of Bilge Injections

Are all the bilge sumps

Are all connections

Are they fixed securely

Are they each fitted

What pipes are

Are all Pipes, Cast

Are the Bilge Sumps

Is the Screw Shaft

BOILERS,

Total Heating Surface

Working Pressure

Can each boiler

each boiler $2\frac{1}{2}$

Smallest distance

Thickness $3\frac{1}{2}$ "

long. seams D.E.

Per centages of strength

Flanged

Size of compensating

Length of plain

Working pressure

Pitch of stays to

Material of stay

Material $3\frac{1}{2}$ "

Area at smallest

Thickness $3\frac{1}{2}$ "

Diameter of tube

Pitch across

thickness of girder

Working pressure

Diameter

Pitch of rivets

SUPERHEATED

Date of Test

Diameter of Safety

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

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) *1 Stk (Stl) and Shell. Dk (Stl)*

Official No. ; Signal Letters State if Machinery is fitted aft *No.*

How are the surfaces preserved from oxidation? Inside *Cement and paint.* Outside *Paint.*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors *Cellular System*

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>82.0</i>	<i>164</i>	Fore peak tank,	<i>16.0</i>	<i>31</i>
Double bottom, under Engines and Boilers,	<i>-</i>	<i>-</i>	After peak tank,	<i>18.0</i>	<i>39</i>
Double bottom, if under Engines only,	<i>20.0</i>	<i>51</i>	Deep tank, <i>in</i> MIDSHIPS.	<i>18.0</i>	<i>129</i>
Double bottom, if under Boilers only,	<i>22.0</i>	<i>76</i>	Deep tank, forward,		
Double bottom, forward,	<i>102.0</i>	<i>173</i>	Other tanks, if fitted,		
			(If necessary, furnish further information by sketch.)		
		<i>464</i>			

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

State whether the above have been tested as required by the Rules *Yes*

Order for Special Survey No. *1408*

Date *14.5.20*

No. *1116* in builder's yard.

DATE of Surveys held while building

1920.
June. 3. 15. 30. July. 2. 13. 15. 27. Aug. 10. 11. 14. 19. 24. 25. Sept. 6. 9. 10. 16. 22.
Oct. 20. 21. 25. Nov. 2. 4. 15. 17. 20. 22. Dec. 19. 20. 21. 22.
Jan. 10. 11. 13. 14. 15. 17. 18. 20. 25. 26. 31.
Feb. 1. 2. 4. 5. 14. Mar. 7. 14. 16. 17. 30. 31. Apr. 1. 5. 7. 11. 14. 18. 24. May. 9. 18. 23.
July. 5. 7.

Surveyor's Signature *S. J. Robson. H. M. Meddow.*

Total No. of Visits *61.*