

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office 12 SEP 1919

Date of completion of report 8.9.19
Survey held at Sunderland

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

Port of *Sunderland*
Date, First Survey *2 July 18* Last Survey *23 August 1919*

No. *27606*

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

TONNAGE under *2252.56*

Tonnage Deck *2252.56*

Do. between Tonnage Dk. and 3rd and 4th Dk. *54.54*

Total under Upper Dk. *2252.56*

Do. of Poop *54.54*

Do. of R.Q.Dk. *54.54*

Do. of Houses (Stow) *39.43*

Do. of Forecastle (House in) *10.23*

Do. of Houses on Dk. *60.77*

Do. of excess of Hatchways *10.92*

Do. above Crown of Engine Room *2428.75*

age *120.24*

ion of *2308.51*

Room *777.50*

Spaces *99.15*

nnage *1432.16*

am *1432.16*

CLASS *100A1*

FEET.

Master *T. E. Laggolo*

Year of appointment *1919*

Built at *Sunderland*

When built *1919* Launched *29.4.19*

By whom built *S.P. Austin & Son Ltd.*

Owners *The Ellerman Line Ltd*

Managers

Residence *Liverpool Building Liverpool*

Port belonging to *Liverpool*

Breadth (greatest moulded) *42.75*

Depth, at middle of length from top of keel to top of upper deck beams at side *23.00*

Transverse Number *62.75*

Length on deck from fore part of stem to after part of stern post *303.00*

Longitudinal Number *19922*

Depth "d," at middle of length (See Secs. 2 & 13) *19.91*

Proportions—Depths to Length—Upper Deck Beam at side to top of keel *13.17*

" " Long Bridge Deck Beam at side to top of keel *9.93*

Destined Voyage *Hull & London* Surveyed while Building, Afloat, or in Dry Dock *Yes*

Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid
303	0	Moulded	42	9	Top of Floors to top of Upper Dk. Beams	20	9	one
					Second Dk. Beams			one

of Ship per Register, Length	303.20	breadth	42.05	depth	20.80	Moulded depth, ft.	30	ins.	6	To Bridge Dk.	Round of Upper	10 3/4	ins.
						Moulded depth, ft.	23	ins.	0	To Upper Dk.	Dk. Beam, Actual		

FRAMING.						PILLARS.							
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.		
Angles or Bars amidships	9	3 1/2	4 1/2	9	3 1/2	4 1/2	PILLARS In 'tween Deck, size and spacing	2 1/2	4 1/2	2 1/2	4 1/2		
Angles or Bars in way of Bridge	9	3 1/2	4 1/2	9	3 1/2	4 1/2	" " Hold	4 1/2	4 1/2	4	4 1/2		
Way of Double Bottoms at Solid Floors	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	" Quarter 'tween Dks.,	H	Hatch end pillars double channels 12 x 3 1/2 x 3 1/2 x 50				
" " at intermdt. Bkts.	7	3	3 1/2	7	3	3 1/2	" " in Hold		Two plates 9 x 30 in approved				
Frames from centre to centre amidships	24			24			KEELSONS & STRINGERS.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.		
" " " from 1/2 length to Collision bulkhead	24			24			CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate						
" " " in peaks	24			24			" Rider Plate						
DO FRAME, Angles							" Flat Plate Keel Angles						
Way of Double Bottoms at Solid Floors	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	" Horizontal Plates on Floors						
" " at intermdt. Bkts.	7	3	3 1/2	7	3	3 1/2	" Angles or Bulb Angles						
Depth of girder	9			9			SIDE KEELSONS, Number						
Depth and thickness of Floor Plate at mid-line for 1/2 length amidships							" Angles or Bulb Angles						
Way of Engine and Boiler Spaces							" Plate above floors, for length						
Thickness at the ends of vessel							" Intercoastal Plate, for length						
Thickness at 1/2 the half breadth, as per Rule							" Attached to outside Plating with Angle						
Thickness extended at the Bilges							BILGE KEELSON, Angles, Bulb, Plate	7 1/2	40	7 1/2	40		
Cell. Double Bottoms	37	32	32	37	32	32	" Intercoastal Plate for length						
State if flanged (top & bottom)	NO			NO			" Attached to outside Plating with Angle	3 1/2	3 1/2	40	3 1/2	40	
Spacing of Solid floors	72	24	ER	72	24	ER	SIDE STRINGERS, Number						
GIRDER, in Dbl. bottom, dpth. & thickness	37	46	56	37	46	56	" Angles						
" Angles, Top	6	6	50	6	6	50	" Intercoastal Plate, for length						
" " Bottom	6	6	52	6	6	52	" Attached to outside plating with Angle						
" " to Floors	3 1/2	3 1/2	34	3 1/2	3 1/2	34	Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	51	50	51	50		
Brackets at intermdt. frmg., width & thickness	39	32	44	39	32	44	" " " " (br'dth & thickness in way of Bridge)	51	46	51	46		
SIDERS, number on each side & thickness	0	32		0	32		" " " " (Angle clear of Bridge)	6	6	34	6	6	34
" state if flanged (top and bottom)	NO			NO			" " " " Tie Plate at sides of Hatchways						
" Angles (top and bottom)	3 1/2	3 1/2	34	3 1/2	3 1/2	34	" Deck, * Steel, for full lng.	50	30		50	30	
" " to Floors	3	3	34	3	3	34	" " Thickness (clear of Bridge)	34	38		34	38	
PLATE, depth (exclusive of flange) and thickness	37	40	50	37	40	50	" " (in way of Bridge)	36	50		36	50	
" Angle to Outside Plating	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" " Wood Deck, Material & thickness						
" " Floors	3 1/2	3 1/2	34	3 1/2	3 1/2	34	Second Deck Stringer Plate, br'dth & thickness	54	46	54	46		
Brackets at intermdt. frmg., width & thickness	36	32	44	36	32	44	" Angles on ditto, No.	3 1/2	3 1/2	34	3 1/2	3 1/2	34
Height of Outside Brackets above at bilge	33			33			" Tie Plates outside Hatchways						
BOTTOM PLATING, breadth and thickness of Middle Line Strake	37	44		37	44		" Deck, * Steel, for full lng.	36	30		36	30	
" in Engine and Boiler space	44	32		44	32		" " Wood Deck, Material & thickness						
" Remainder in Holds	34			34			Third Deck Stringer Plate, br'dth & thickness						
Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	42	9	3 1/2	42	" Angles on ditto, No.						
In way of Long Bridge	8	3	40	8	3	40	" Tie Plates, outside Hatchways						
Spacing	24			24			" Deck, * Material and thickness						
Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							Fourth and Fifth Deck Stringer Plate, breadth & thickness						
Spacing							" Angles on ditto, No.						
Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							" Tie Plates outside Hatchways						
Angles on upper edge							" Deck, Material & thickness						
Long Spacing							Poop Deck Stringer Plate, breadth & thickness						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	40	8	3	40	" Angle on ditto						
" Angles on upper edge							" Tie Plates						
" Spacing	24			24			" Deck, Material and thickness						
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel							Bridge Deck Stringer Plate, br'dth & thickness						
" Angles on upper edge							" Angle on ditto						
" Spacing							" Tie Plates						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	40	8	3	40	" Deck, Material and thickness						
" Angles on upper edge							Forecastle Deck Stringer Plate, br'dth & thickness	29	32	29	32		
" Spacing	24			24			" Angle on ditto	3 1/2	32	3 1/2	32		
							" Tie Plates						
							" Deck, Material and thickness	Steel	30	Steel	30		

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

[illegible]

EQUIPMENT No. 21661						LETTER Z						ANCHORS.						TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS					
Number of Certificate.		Anchors.		WEIGHT, EX. STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 31.		Description of Anchor		Makers.		Where and when tested and Superintendent.							
Certificate.	Anchors.	Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	cwt.	qrs.	lbs.	Owts.	qrs.	lbs.	Description of Anchor	Makers.	Where and when tested and Superintendent.						
23968	1st Bower	42	0	14	3	0	0	37	4	1	14	42	0	0	Burn Steelless	not stated	Sld. 26.3.19. Hoffm.						
23969	2nd "	42	1	0	"	"	"	37	6	1	0	42	0	0	"	"	Sld. 27.3.19. "						
23979	3rd "	36	0	21	"	"	"	33	5	2	14	35	2	0	"	"	Sld. 28.3.19. "						
	4th "														"	"	"						
	Collective weight.	120	2	7								119	2	0									
23758	Stream	11	1	0	2	3	14	13	2	2	0	11	0	0	Common	S. Taylor & Sons	Sld. 30.1.19. Hoffm.						
23756	Kedge	5	1	0	1	1	7	7	11	3	14	5	1	0	"	"	Sld. 31.1.19. "						
Particulars of Drop Test, of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.																							
1st Bower 27.2.14. H.C. 2176. 28.1.19. + 4.2.19. 2nd " 27.2.14. H.C. 2178. 4.4.11-2.19. 3rd " 21.2.14. D.W.H. 1806. 11.8.19. 4th "																							
CHAIN CABLES.																							
HAWSEERS AND WARPS.																							
TOWLINE																							
HAWSERS/WARPS																							
Boats 2 lifeboats 25'6", one dory 16'0"																							
Pumps, Number one to draw the water to																							
Windlass is Steam Emerson Walker & Thompson Bros.																							
Engine Room Skylights.—How constructed? Steel plates & angles																							
Coal Bunker Openings.—How constructed? Steel plates & angles																							
Number of Scupperns, and numbers and dimensions of Freeing Ports, &c. 2 scupperns in forewell, 2 in main deck, 2 on bridge deck, each side, & 2 freeing ports																							
Ceiling in Holds, thickness and material 2 1/2 inch steel plates																							
Cargo Hatchways.—How formed? Steel plates & angles																							
State size No. 1 Hatch (Forward) 26'0" x 16'0" No. 2 Hatch 24'0" x 18'0" No. 3 Hatch 26'0" x 18'0" No. 4 Hatch 26'0" x 16'0"																							
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch Side webs to each hatchway. no fore & afters.																							
No. of Breasthooks two & double No. of Crutches dup floor																							
Bulwarks, height above deck and description 48x25 steel																							
The foregoing is a correct description.																							
Builder's Signature (here only)																							
Surveyor's Signature James Dickie																							
Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)																							
All correspondence regarding Standard "H."																							
Workmanship. Are the butts of plating planed or otherwise fitted? overlapped																							
Is the riveted work properly closed? yes																							
Are the litters between the frames and plates solid single pieces? Shell joggled																							
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 staggered? 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 as amended, the British Regulations, & the Society's Rules. The materials & workmanship are good & efficient.																							
Subston Pump dispensed with as per Secant's letter.																							
The midship section profile & Deck Plans—as built, together with Frying Reports are forwarded herewith.																							
Vessel placed on the pontoon, & the bottom & mud was cleaned, examined & re-coated.																							
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.																							
Fees applied for,																							
Received by me,																							
Certificate to be sent to UNDERLAND, Date of issue 22.9.19.																							
State whether the Vessel has been built under Special Survey Yes																							
I am of opinion this Vessel should be Classed 100A1.																							
With, or without Freeboard, as condition of Class Without																							
Committee's Minute																							
Character assigned																							
FRI. 19 SEP. 1919																							
100A1																							
Lloyds A.S.P.																							
4 LMC 8.19																							
R																							
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These parti

Signal Letter

Official Num

14064

No., Date, and Po

Whether British
Foreign Built.

Number of Deck

Number of Mast

Rigged ...

Stern ...

Build ...

Galleries ...

Head ...

Framework and

vessel ...

Number of Bulk

Number of water

and their capa

Total to quarter the dep
to bottom of keel.No. of
sets of
engines.

Description

No. of
shafts.Partic
Description
Number
Iron or Steel
Loaded Pres

Under Tonnage I

Space or spaces b

Turret or Trunk

Forecastle ...

Bridge space

Poop or Break

Side Houses

Deck Houses

Chart House

Spaces for machi

Section 78 (2)

1894 ...

Excess of Hatch

Gross T

Reductions, as p

Register

NOTE 1.—The tonna

Deck for

NOTE 2.—The under

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of ^{Long} Poop 232.66 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 poop & bridge decks combined

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 should appear in the Register Book) 1 dk (str)

Official No. 140644; Signal Letters — State if Machinery is fitted aft no

How are the surfaces preserved from oxidation? Inside Engine & Boiler rooms, peaks, cement. Outside paint
Remainder of tanks cement washed. Paint.

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water
Double bottom, aft,	<u>98</u>	<u>211</u>	Fore peak tank,	<u>17</u>	
Double bottom, under Engines and Boilers,	<u>38</u>	<u>122</u>	After peak tank,	<u>20</u>	
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, aft,	<input checked="" type="checkbox"/>	
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, forward,	<input checked="" type="checkbox"/>	
Double bottom, forward,	<u>124</u>	<u>337</u>	Other tanks, if fitted,	<input checked="" type="checkbox"/>	
Total capacity of double bottom		<u>670</u>	(If necessary, furnish further information by sketch.)		

* 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. 5341

Date

12.6.18

No. 303 in builder's yard.

DATES OF SURVEYS
held while building

1918 Jul. 2, 8, 11, 15, 22, 25, 29, Aug. 1, 9, 16, 20, 23, Sept. 9, 12, 19, 23, 27, Oct. 1, 7, 11, 14, 18, 22, 24, 30, Nov. 1, 6, 15, 24, 29, Dec. 3, 6, 10, 14, 16, 20, 24, 30, 31, Jan. 1, 14, 16, 21, 25, 28, Feb. 3, 12, 17, 20, 27, Mar. 4, 10, 16, 19, 21, 24, Apr. 1, 2, 5, 7, 11, 14, 16, 22, 24, 26, May. 5, 8, 12, 20, 27, Jun. 2, 6, 12, 16, 19, 24, Jul. 1, 3, 5, 9, 11, 16, 22, 24, 25, 29, Aug. 1, 3, 14, 18, 20, 22.

Total No. of Visits

Dated

30) (61091) Wt. 1.

Surveyor's Signature

James Dickie
Navy's Register
Foundation