

With or Without
Disconnected Erections.

STEEL STEAMER.

REC'D. 14 FEB. 1917

Received at London Office

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

Date of completion of report *10th February 1917*

Port of *Newcastle-upon-Tyne*

No. *69608*

Survey held at *Jarrow-on-Tyne*

Date, First Survey *24 Aug. 1915*

Last Survey *12 Feb. 1917*

On the (State if Single, Twin, or Triple Screw) *Single Screw Steamer "LUMINA"*

Rig *Schooner*

TONNAGE under

CLASS *100A1*

FEET.

Master *A. Murray*

Year of appointment

(1) As Master in service of owner of present vessel: *1901*
(2) As Master of this vessel: *1917*

Do. between Tonnage Dk. and 3rd and 4th Dk. 1

Breadth (greatest moulded) *52.16*

Total under Upper Dk. *274.64*

Depth, at middle of length from top of keel to top of upper deck beams at side *31.50*

Do. of Poop *2.94*

Transverse Number *83.66*

Do. of R.Q. Dk. *2.94*

Length on deck from fore part of stem to after part of stern post *407*

Do. of Bridge House *93.66*

Longitudinal Number *34049*

Do. of Forecastle *55.30*

Depth "d," at middle of length (See Secs. 2 & 13) *20.33*

Do. of House on Dk. *33.59*

Proportions—Depths to Length—Upper Deck Beam at side to top of keel *12.92*

Do. of House of Hatchways *5.57*

" " Long Bridge Deck Beam at side to top of keel *1*

Do. above Crown of Engine Room *90.59*

Gross Tonnage *5855.56*

Less Crew Space *129.77*

Less above Crown of Engine Room *90.59*

TONNAGE FOR FEES *5635.20*

Less Engine Room *1873.78*

Less Navigation Spaces *239.15*

4 Water Ballast *10.61*

Register Tonnage *3732.02*

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock *Special Survey*

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
<i>407</i>	<i>0</i>		<i>52</i>	<i>2</i>		Do. do. do. do. Second Dk. Beams	<i>23</i>	<i>7</i>	<i>Two</i>	<i>Two</i>
Moulded depth, ft. ins. To Bridge Dk. Round of Upper Dk. Beam, Actual <i>13</i> ins.										
Moulded depth, ft. ins. To Upper Dk. <i>31</i> ins. <i>6</i>										

Dimensions of Ship per Register, Length *407.0* breadth *52.2* depth *31.5*

FRAMING.						PILLARS.					
FRAME, Angles, or E or L Bars amidships						PILLARS, In 'tween Deck, size and spacing					
Do. in peaks <i>Longitudinal framing</i>						" " Hold					
Do. in way of Double Bottoms at Solid Floors						" Quarter 'tween Dks.,					
" " at intermdt. Bkts.						" " in Hold					
Spacing of Frames from centre to centre amidships						KEELSONS & STRINGERS.					
" " <i>25 1/2</i> from $\frac{1}{2}$ length to Collision bulkhead						CENTRE LINE KEELSON, Vertical Plate above					
" " " " in peaks						" Rider Plate					
REVERSED FRAME, Angles						" Flat Plate Keel Angles					
Do. in way of Double Bottoms at Solid Floors						" Horizontal Plates on Floors					
" " at intermdt. Bkts.						" Angles or Bulb Angles					
FRAMING, depth of girder						SIDE KEELSONS, Number <i>One</i>					
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ 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 <i>Old Tanks</i> length					
" depth at $\frac{1}{2}$ the half breadth, as per Rule						" Attached to outside Plating with Angle					
" height extended at the Bilges						BILGE KEELSON, Angles					
FLOORS in Cell. Double Bottoms						" Intercoastal Plate for length					
" state if flanged (top & bottom)						" Attached to outside Plating with Angle					
" Spacing of Solid floors						SIDE STRINGERS, Number					
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.						" Angle					
" Angles, Top <i>Single</i>						" Intercoastal Plate, for length					
" " Bottom <i>Double</i>						" Attached to outside plating with Angle					
" " to Floors <i>Single</i>						Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)					
" Brackets at intermdt. frmg., wdth & thkns						" " " " br'dth & thickness (in way of Bridge)					
SIDE GIRDERS, number on each side & thickness						" " Angle (clear of Bridge)					
" state if flanged (top and bottom)						" Tie Plate at sides of Hatchways					
" Angles (top and bottom)						Deck * Iron or Steel, for <i>full</i> lng.					
" " to Floors						" Thickness (clear of Bridge)					
MARGIN PLATE, depth (exclusive of flange) and thickness						" (in way of Bridge)					
" Angle to Outside Plating						Wood Deck. Material & thickness					
" " Floors						Second Deck Stringer Plate, br'dth & thickness					
" Brackets at intermdt. frmg., wdth & thkns						" Angles on ditto, No. <i>One</i>					
" Height of Outside Brackets above at bilge						" Tie Plates outside Hatchways					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						Deck * Iron or Steel, for <i>full</i> lng.					
" in Engine and Boiler space						" Thickness (clear of Bridge)					
" Remainder in Holds						" (in way of Bridge)					
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Wood Deck. Material & thickness					
" In way of Long Bridge						Third Deck Stringer Plate, br'dth & thickness					
" Spacing						" Angles on ditto, No.					
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" Tie Plates outside Hatchways					
" Spacing						Deck * Material and thickness					
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Fourth and Fifth Deck Stringer Plate, breadth & thickness					
" Angles on upper edge						" Angles on ditto, No.					
" Spacing						" Tie Plates outside Hatchways					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Deck. Material & thickness					
" Angles on upper edge						Poop Deck Stringer Plate, breadth & thickness					
" Spacing						" Angle on ditto					
BEAMS, Bridge 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, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" Angle on ditto					
" Angles on upper edge						" Tie Plates					
" Spacing						Deck. Material and thickness					
Forecastle Deck Stringer Plate, b'dth & th'kns						" Angle on ditto					
" Tie Plates						" Tie Plates					
" Deck. Material and thickness						" Deck. Material and thickness					

Form No. 1B. WEB FRAMES. FORGINGS & CASTINGS. BULKHEADS. COLLISION PARTITION LONGITUDINAL. PLATING. RIVETING. BUTTS. STRAKES. THICKNESS OF SHEET PILES. POOF SIDES. SHORT BRIDGE SIDES. FORECASTLE SIDES. Upper Deck Stringer Plate. Second Deck Stringer Plate. FRAMES. REVERSED FRAMES. MASTS, SPARS, &c. LOWER MASTS. BOWSPRIT. TOPMASTS, YARDS AND REMAINDER OF SPARS. RIGGING, MATERIAL AND SIZE, SHROUDS. SAILS.

EQUIPMENT No. 35199-62. LETTER Z. ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS. CHAIN CABLES. HAWSERS AND WARPS. Boats. Steering Gear, Steam Donkin & Co. Steering Gear, Hand Donkin & Co. Pumps. Windlass. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers. Ceiling in Holds. Cargo Hatchways. State size No. 1 Hatch. Number of Web Plates. No. of Breasthooks. No. of Crutches. Bulwarks. The foregoing is a correct description. Builder's Signature. Correspondence. Workmanship. 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? 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. 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.

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.				
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.				
		In.	Ins.	Ins.	In.	Ins.	Ins.	In.	Ins.	Ins.	In.	Ins.	Ins.	Ins.	Spacing of Rivets on each side of Transverses and Bulkheads.	Rivets in Brackets to Bulkheads.		
		Inches.																
Framing of Σ , \square , \square		Channels to turn of bilge, Bull angles above																
Frames in Bridge 'tween Decks...		Angles spaced 28" apart. Transverse framing																
Frames from Uppermost Continuous Deck		No. 1																
Framing from Awning, Shelter or Upper Deck to Margin Plate.		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			7 1/8	
		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			7 1/8	
		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			8 1/8	
		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			8 1/8	
		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			8 1/8	
		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			8 1/8	
		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			8 1/8	
		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			8 1/8	
		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			8 1/8	
		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			8 1/8	
		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			8 1/8	
		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			8 1/8	
		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			8 1/8	
		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			8 1/8	
		6 3 38			6 3 38			6 3 38			6 3 38			6 3 38			8 1/8	
		Spacing of Longitudinal Frame		At Ends														
Double Bottom		Tank Top Longitudinals																
Bottom		Bottom																
Spacing of Longitudinals		At Ends																
Transverses.		In Bridge																
In Bridge		Depth and Thickness																
'tween Decks		Face Angles																
In Awning, Shelter or Upper 'tween Decks.		Depth and Thickness																
In Hold.		Face Angles																
Spacing of Transverse Frames		At Ends																
Longitudinal Beams of Σ , \square or \square		Bridge Deck																
		Awg. or Shltr. Dk.																
		Upper																
		Second																
		Third																

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

See S. 12, T.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

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) 2 Sha (SCL)

Official No. 137535 ; Signal Letters

How are the surfaces preserved from oxidation? Inside Paint + Cement Outside Paint

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

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,	58-1 1/2	98	After peak tank,	14	39
Double bottom, if under Engines only,			Deep tank, aft,	1	1
Double bottom, if under Boilers only,			Deep tank, forward,	40	481
Double bottom, forward,			Other tanks, if fitted,		
	Total capacity of double bottom	98	(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. 4609

Date 10.9.1915

No. 853 in builder's yard.

DATES OF SURVEYS held while building

1915 Aug 24, Sep 8, 15, 24, Oct 4, 11, 13, 18, 24, Nov 16, 24, Dec 1, 8, 15, 22, 1916 Jan 6, 13, 28, Feb 3, 21, Mar 7, 31, Apr 10, May 8, 11, 16, 28, Jun 8, 9, 15, 16, 30, Jul 7, 11, 13, 14, 17, 19, 21, 24, 25, 26, 27, 28, 31, Aug 1, 2, 3, 4, 7, 8, 9, 10, 11, 14, Sep 12, Nov 23, 29, Dec 1, 4, 6, 7, 14, 15, 21, 29, 1917 Jan 18, 26, 31, Feb 2, 6, 7, 12.

Surveyor's Signature

Alex Munro

Total No. of Visits 2020

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