

# With or Without Disconnected Erections.

## STEEL STEAMER.

Received at London Office **FRI 3 DEC. 1920**

Date of completion of report  
Survey held at *Newcastle on Tyne*

State if Report is also sent on the Machinery of the Vessel *yes to below*

Port of *Newcastle on Tyne* Date, First Survey *15<sup>th</sup> October* Last Survey *191*

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

*S. S. LORD BROUGHTON, 4 "Patmos" Rig Schooner*

**TONNAGE under**  
**Tonnage Deck...**  
Do. between Tonnage Dk. and 3rd and 4th Dk.  
**Total under Upper Dk. 1712.35**  
Do. of Poop  
Do. of R.Q. Dk.  
Do. of Bridge House  
Do. of Forecastle  
Do. of Houses on Dk.  
Do. of excess of Hatchways  
Do. above Crown of Engine Room  
**Gross Tonnage 1906.77**  
Less Crew Space  
Less above Crown of Engine Room  
**TONNAGE FOR FEES..**  
Less Engine Room  
Less Navigation Spaces

**CLASS**  
**Breadth** (greatest moulded) *40.3* **40.33**  
**Depth**, at middle of length from top of keel to top of upper deck beams at side *21.08*  
**Transverse Number** *61.3* **61.41**  
**Length** on deck from fore part of stem to after part of stern post *282.66*  
**Longitudinal Number** *17164* **17358.16**  
**Depth "d,"** at middle of length (See Secs. 2 & 13) *17.75*  
**Proportions**—Depths to Length—Upper Deck Beam at side to top of keel *13.3*  
" " Long Bridge Deck Beam at side to top of keel *10*

**Master**  
**Year of appointment** (1) As Master in service of owner of present vessel—191  
(2) As Master of this vessel—191  
**Built at**  
**When built** **Launched**  
**By whom built**  
**Owners** *Byron S.S. Co.*  
**Managers**  
(Where necessary to be entered in Reg. Book.)  
**Residence**  
**Port belonging to** *London.*

**Register Tonnage** *1209.20*  
as cut on Beam

**Destined Voyage**

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
282	8		40	4		Do. do. do. do. Second Dk. Beams	18	8	one	one
Moulded depth, ft. 28 ins. 1 To Bridge Dk. Round of Upper Dk. Beam, Actual 10 ins.										
Dimensions of Ship per Register, Length 281.7 breadth 40.33 depth 18.55 Moulded depth, ft. 21 ins. 1 To Upper Dk.										
FRAMING.						PILLARS.				
FRAME, Angles or Bars amidships						PILLARS In 'tween Deck, size and spacing				
Do. in peaks						" " 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.				
" " length to Collision bulkhead in peaks						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate				
REVERSED FRAME, Angles in holds						" Rider Plate				
Do. in way of Double Bottoms at Solid Floors						" Flat Plate Keel Angles				
" " at intermdt. Bkts.						" Horizontal Plates on Floors				
FRAMING, depth of girder						" Angles or Bulb Angles				
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships						SIDE KEELSONS, Number				
" in way of Engine and Boiler Spaces						" Angles or Bulb Angles				
" thickness at the ends of vessel						" Plate above floors, for length				
" depth at 1/2 the half breadth, as per Rule						" Intercoastal Plate, for length				
" height extended at the Bilges						Attached to outside Plating with Angle				
FLOORS in Cell, Double Bottoms						2 SIDE KEELSON, Angles				
" state if flanged (top & bottom)						" Intercoastal Plate for whole length				
" Spacing of Solid floors						" Attached to outside Plating with Angle				
CENTRE GIRDER, in Dbl. bottom, dpth. & thknss.						1 SIDE STRINGERS, Number				
" Angles, Top						" Angle				
" Bottom						" Intercoastal Plate, for whole length				
" to Floors						" Attached to outside plating with Angle				
" Brackets at intermdt. frmg., wdth & thknss						Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)				
SIDE GIRDERS, number on each side & thickness						" " " " br'dth & thickness (in way of Bridge)				
" state if flanged (top and bottom)						" " " " Angle (clear of Bridge)				
" Angles (top and bottom)						" " Tie Plate at sides of Hatchways				
" to Floors						Deck. * Iron or Steel, for lng.				
MARGIN PLATE, depth (exclusive of flange) and thickness						" Thickness (clear of Bridge)				
" Angle to Outside Plating						" (in way of Bridge)				
" Floors						Wood Deck. Material & thickness				
" Brackets at intermdt. frmg., wdth & thknss						Second Deck Stringer Plate, br'dth & thickness				
" Height of Outside Brackets above at bilge						" Angles on ditto, No.				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						" Tie Plates outside Hatchways				
" in Engine and Boiler space						Deck. * Iron or Steel, for lng.				
" Remainder in Holds						" Wood Deck. Material & thickness				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Third Deck Stringer Plate, br'dth & thickness				
" In way of Long Bridge						" Angles on ditto, No.				
" Spacing						" Tie Plates, outside Hatchways				
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Deck. * Material and thickness				
" Spacing						Fourth and Fifth Deck Stringer Plate, breadth & thickness				
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" Angles on ditto, No.				
" Angles on upper edge						" Tie Plates outside Hatchways				
" Spacing						" Deck. Material & thickness				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Poop Deck Stringer Plate, breadth & thickness				
" Angles on upper edge						" Angle on ditto				
" Spacing						" Tie Plates				
" Deck. Material and thickness						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				

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



[illegible]



EQUIPMENT No. 18600				LETTER S				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.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
857	1st Bower ...	45	2	0	stockless			39	11	1	0	38	3		“Laylors Patent”	“Laylor	Sld. 1901 LPH
36944	2nd “ ...	44	2	7	“			38	18	3	0	38	3		“Sykes Butanic”	“Sykes	Explos 29/11/10 Perrin
855	3rd “ ...	44	1	14	“			38	17	0	21	37	2		“Laylors Patent”	“Laylor	Sld. 1901. LPH.
	4th “ ...																
	Collective weight.											110	0				
854	Stream .....	10	0	0	2	2	0	12	0	0	0	10			Ordinary	“Laylor	Sld. 1901 LPH
853	Kedge.....	5	0	0	1	1	0	7	7	2	0	5			“	“	“ “ LPH

If Patent state Name of Patentee.

“Stockless, state Mechanical Tests

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

1st Bower  
2nd " 986 26.2.11. P.A. 19 May 1910.  
3rd "  
4th "

CHAIN CABLES.										HAWSERS 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.	Length and Size supplied.		Breaking Test of Steel Wire Towline.	Length and Size per Table 31.		Tons.	Fathoms.
	Fathoms.	Ins.	Tons.	Ins.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			Fathoms.	Ins.		Fathoms.	Ins.		
209	240	1 1/2	57.1	79.9	370.0	21	397.5	240	1 1/2	Steel	SEA. 30/12/11 LPH	TOWLINE wire	90	4	✓				
												HAWSESWARPS	40	4	✓				
												Wire	120	7	✓				
												"	2 120	6	✓				
												"	4 120	2 1/2	✓				

Boats 2 Life 1 Dingy  
Pumps, Number 1 Downton  
Windlass is Lion steam  
Engine Room Skylights.—How constructed? Steel & bulls eyes  
Coal Bunker Openings.—How constructed? Steel casings  
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 2 scuppers & 3 aft. 3 F.P. for 2.55 x 1.66 3 aft. 2.8 x 1.6  
Ceiling in Holds, thickness and material Pine 2 1/2  
Cargo Hatchways.—How formed? Steel casings & solid covers  
State size No. 1 Hatch (Forward) 22-6 x 16-6 No. 2 Hatch 22-10 x 16 No. 3 Hatch 8-4 x 14 No. 4 Hatch 22-4 x 16  
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch  
Steering Gear, Steam Lion Steam  
Diameter of Barrel 5" State whether they are in efficient working order yes.  
Capstan none  
What arrangements for deadlights in bad weather? none.  
How are lids secured? Lion bands Height above deck? 2'-8"  
Cargo Battens, thickness and material 2" pine  
Hatches, If strong and efficient? yes  
No. of Breasthooks 3- No. of Crutches 2  
Bulwarks, height above deck and description 4-4 steel 8" bulb stays 4-6 apart Main Rail, material and size 6" B.A.  
The foregoing is a correct description.  
Builder's Signature (here only) Surveyor's Signature G. D. Aisken

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) S. 29/10. M. 9/11.  
S. 14/11.

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? yes

to plate, &c., conform well to each other? yes

from the faying surfaces? yes

Are the butts of Plating, Stringers, &c., properly shifted and strapped? yes

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.) The workmanship is good.

Frames of channel from No. 40 to 101 then 6 x 3 frame & 6 x 3 bar forming 8" girders.

1st painting stringer 22 x 7/16 shell angle 5 1/2 x 3 1/2 face angle 8° 3 knees.

2nd " " 27 x 7/16 D 8°. Painting beams 7 x 3 x 8/16

B.A. 50" apart. Dup floors 33 x 7/16 8 off. Interstitiae 3 spaces. See frames between

others in peak 5 x 4 x 8/16. Frames in bridge 5 1/2 x 3 1/2 x 7/16 scuppers to main frames. Bar

bar every 4th frame 5 1/4 x 3 3/4 x 7/16 in bridge.

Certificate gives 45 m/m as size of cable but cable is slightly reduced by wear.

Section 48 of the Rules has been complied with.

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.

The amount of Entry Fee ..... £  
Special Survey Fee.... £  
Travelling Expenses, if any £

Fees applied for,

Received by me,

Certificate to be sent to

Date of issue 28.1.21.

State whether the Vessel has been built under Special Survey 40

I am of opinion this Vessel should be Classed 100.A.1.

With, or without Freeboard, as condition of Class without.

G. D. Aisken  
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Character assigned

FRI. JAN. 7 1921

FRI. FEB 11 1921

Lloyd's Register  
G.D.R. 3. 12. 20  
W. H. H. (S. H. M.)

2nd 12. 20.



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Lloyd's Register  
Foundation

W132-0043(22)



GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 24.5 ft., R.Q.D. ✓ ft., Bridge 165.3 ft., Forecastle 31.25 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

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 sk (5th)

Official No. 143403 ; Signal Letters \_\_\_\_\_ State if Machinery is fitted aft no

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>78</u>	<u>157</u>	Fore peak tank, <u>✓</u>		
Double bottom, under Engines and Boilers,	<u>29</u>	<u>50</u>	After peak tank, <u>✓</u>		
Double bottom, if under Engines only,			Deep tank, aft, <u>✓</u>		
Double bottom, if under Boilers only, <u>Dry tank</u>	<u>10</u>	<u>—</u>	Deep tank, forward, <u>✓</u>		
Double bottom, forward,	<u>103</u>	<u>262</u>	Other tanks, if fitted, <u>✓</u>		
Total capacity of double bottom		<u>469</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, also dry tank

Order for Special Survey No. \_\_\_\_\_

Date \_\_\_\_\_

No. \_\_\_\_\_ in builder's yard.

DATES of Surveys held while building

Surveyor's Signature

G. D. Cuthbert

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Total No. of Visits \_\_\_\_\_

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