

Without Disconnected Erections.

STEEL STEAMER.

Received at London Office MON. AUG. 28, 1916

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

Date of completion of report *23rd August 1916* Port of *SUNDERLAND* No. *26182*
Survey held at *SUNDERLAND* Date, First Survey *20th August 1915* Last Survey *AUG. 21st* 1916

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

TONNAGE under *869.51*

Tonnage Deck *869.51*

Do. between Tonnage Dk. and 3rd and 4th Dk. *76.38*

Total under Upper Dk. *76.38*

Do. of Poop *76.38*

Do. of R. Dk. *76.38*

Do. of Bridge House *76.38*

Do. of Forecastle *76.38*

Do. of Houses on Dk. *76.38*

Do. of Houses of Hatchways *76.38*

Do. above Crown of Engine Room *76.38*

Gross Tonnage *1179.10*

Less Crew Space *31.08*

Less above Crown of Engine Room *62.45*

TONNAGE FOR FEES *1085.57*

Less Engine Room *432.71*

Less Navigation Spaces *61.75*

Register Tonnage *653.56*

CLASS *100 A.1.*

FEET.

Master *E.C.S. Richardson*

Year of appointment *1916*

Built at *SUNDERLAND*

When built *1916* Launched *16.2.16*

By whom built *Messrs. Short Bros. & Co.*

Owners *The Local Commissioners of the Admiralty*

Managers *The Secretary to the Admiralty*

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

Residence *Admiralty, London*

Port belonging to *LONDON*

Destined Voyage *ADMIRALTY SERVICE*

Surveyed while Building, Afloat, *AND* in Dry Dock *UNDER 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
	210	0	34	0			16	7	ONE	ONE
Dimensions of Ship per Register, Length <i>210.0</i> breadth <i>34.8</i> depth <i>16.6</i> Moulded depth, ft. <i>16</i> ins. <i>6</i> To Bridge Dk. Round of Upper Dk. Beam, Actual <i>9</i> ins.										

FRAMING.						PILLARS.					
FRAME, Angles, or E or L 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. Dkts.						" " 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					
" " length to Collision bulkhead 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 girders						SIDE KEELSONS, Number					
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 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 <i>100.0</i> 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. & thknss.						" " Angle					
" " Angles, Top						" " Intercoastal Plate, for length					
" " Bottom						" " Attached to outside plating with Angle					
" " to Floors						Upper Deck Stringer Plate, br'dth & thickness					
" " Brackets at intermdt. frng., width & thknss						" " 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 <i>FULL</i> 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. frng., width & 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 <i>FULL</i> lng.					
" " Remainder in Holds						" " Thickness (clear of Bridge)					
" " Upper Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel						" " (in way of Bridge)					
" " In way of Long Bridge						" " Wood Deck. Material & thickness					
" " Spacing						Third Deck Stringer Plate, br'dth & thickness					
" " Second Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel						" " Angles on ditto, No.					
" " Spacing						" " Tie Plates, outside Hatchways					
" " Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" " Deck * Material and thickness					
" " Angles on upper edge						Fourth and Fifth Deck Stringer Plate, br'dth & thickness					
" " Spacing						" " Angles on ditto, No.					
" " Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" " Tie Plates outside Hatchways					
" " Angles on upper edge						" " Deck Material & thickness					
" " Spacing						Poop Deck Stringer Plate, breadth & thickness					
" " Bridge 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, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" " Deck. Material and thickness					
" " Angles on upper edge						Forecastle Deck Stringer Plate, br'dth & th'kns					
" " Spacing						" " Angle on ditto					
						" " Tie Plates					
						" " Deck. Material and thickness					

[illegible]

EQUIPMENT No. 11707			LETTER 72			ANCHORS.			TONNAGE U. BK. OR PLATING No. FOR TRAWLERS					
Number of Certificate.	Anchor.	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.	T. cwts. qrs. lbs.	T. cwts. qrs. lbs.	T. cwts. qrs. lbs.						
20301	1st Bower ...	26 0 14	STEELLESS			25 14 1	14	25 2 0	"BENT" PATENT	NOT STATED	Do. 10.3.16. L. HARRER			
20300	2nd " ...	25 3 7	Do.			25 10 1	7	25 2 0						
20375	3rd " ...	22 0 7	Do.			22 9 1	14	22 0 0						
	4th " ...													
	Collective weight.	74 0 0						73 0 0						
45601	Stream	6 2 5	1	3	5	8 15 0	0	6 2 0	IRON PEEK	JOHN GREEN	TIPON 17.12.15. J. P. BROWN			
45600	Kedge.....	3 2 0	-	3	21	5 18 3	0	3 2 0						

U Patent state Name of Patentee.

Stocks, state Mechanical Tests.

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.	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size per Table 31.	Length and size supplied.	Breaking Test of Steel Wire Towline.	Length and size per Table 31.	Length and size supplied.	Breaking Test of Steel Wire Towline.
47531	105 1/2	40 5/8	126.3.12	121.0.2 1/2	210	JOHN GREEN	TIPON 17.12.15. J. P. BROWN	TOWLINE	90 3 1/2		90 3 1/2	90 3 1/2		90 3 1/2	90 3 1/2		90 3 1/2	90 3 1/2	
47530	105 1/2	40 5/8	124.2.23	121.0.2 1/2	210	JOHN GREEN	Lo. 17.12.15. Do.	HAWSERS & WARPS	20 1/2		20 1/2	20 1/2		20 1/2	20 1/2		20 1/2	20 1/2	
Iron Stream Chain Steel Wire	20 1/2	40 5/8			75				90 5		90 5	90 5		90 5	90 5		90 5	90 5	

Boats 2. 20'0" LINESIDE + ONE 20'0" ONLY

Pumps, Number NONE

Windlass is CLARK CHAPMAN & CO.

Engine Room Skylights. How constructed? ON STEEL

How are lids secured? BOLTS & NUTS

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. NONE

Cargo Hatchways. How formed? PLATES & ANGLES

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 SAND DECK No. of Crutches DEEP FLOOR

Bulwarks, height above deck and description NONE

Main Rail, material and size NONE

The foregoing is a correct description

Builder's Signature (there only) For SHORT BROTHERS, LIMITED

Surveyor's Signature L. S. Ashland & F. H. Norton

Surveyor to Lloyd's Register of Shipping

Correspondence. State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)

Workmanship. Are the butts of plating planed or otherwise fitted? PLANED AND DISPLANED

Is the riveted work properly closed? YES

Are the liners between the frames and plates solid single pieces? YES

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?

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)? 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.)

17.12.15, 22.10.15, 28.10.15, 30.10.15, 2.11.15, 4.11.15, 9.11.15, 11.11.15, 12.11.15, 13.11.15, 15.11.15, 16.11.15, 19.11.15, 23.11.15, 25.11.15, 30.11.15, 2.12.15, 3.12.15, 4.12.15, 8.12.15, 9.12.15, 10.12.15, 13.12.15, 14.12.15, 15.12.15, 17.12.15, 22.12.15, 23.12.15, 29.12.15, 3.1.16, 4.1.16, 5.1.16, 7.1.16, 12.1.16, 17.1.16, 18.1.16, 19.1.16, 20.1.16, 24.1.16, 26.1.16, 27.1.16, 31.1.16, 1.2.16, 4.2.16, 9.2.16, 10.2.16, 15.2.16, 17.2.16, 18.2.16, 19.2.16, 22.2.16, 24.2.16, 26.2.16, 1.3.16, 2.3.16, 8.3.16, 13.3.16, 14.3.16, 15.3.16, 17.3.16, 22.3.16, 24.3.16, 29.3.16, 7.4.16, 11.4.16, 14.4.16, 16.4.16, 5.6.16, 12.6.16, 17.6.16, 21.6.16, 22.6.16, 27.6.16, 28.6.16, 30.6.16, 17.16, 4.7.16, 8.7.16, 10.7.16, 12.7.16, 13.7.16, 14.7.16, 11.8.16, 15.8.16, 22.8.16

E. 10.9.15, 9.11.15

This vessel has been built in accordance with the approved plans the Secretary's letters dated as stated above and otherwise in accordance with the rules for the class contemplated. The whole of the work and tests covered by the specification and drawings as well as the alterations and additions subsequently approved by the Admiralty have been carried out. The materials and workmanship are good. All the oil compartments, oil fuel bunkers, ballast tanks, cofferdams, fore & after peaks & fore deep tank have been tested as required by the rules with satisfactory results. N.B. THERE IS NO CEMENT IN THE OIL TANKS.

Various proving house tests - No 4112. 2 SENHOUSE SLIPS. 4 tons 3q. 21lb. test 40 tons. No. 29.2.16. L. HARRER. - No 4113 FOUR EYE PLATES 2 tons 0q. 0lb. test 50 tons. No. 29.2.16. L. HARRER. No. 4114. 4 BLAKE STOPPERS AND 2 JEREN STOPPERS. 3 tons 3q. 7lb. test 15 tons. No. 29.2.16. L. HARRER. No 4115 TWO TOWING SLIPS. 3 tons 7lb. test 15 tons. No. 29.2.16. L. HARRER. No 4115. CLEVER HANSE SLIP. 2 tons 6lb. test 13 tons. No. 29.2.16. L. HARRER.

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 £ 19

Special Survey Fee £ 140 : 0 : 0

Received by me. 2073/19

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.1. Steel, L.A.C.P. CARRYING PETROLEUM IN BULK

With, or without Freeboard, as condition of Class WITH FREEBOARD

Surveyor to Lloyd's Register of Shipping. L. S. Ashland & F. H. Norton

Committee's Minute FRI. - 1 SEP. 1916

Character assigned 100 A.1. with fhd carrying Petroleum in bulk

Lloyd's A. & B. P. + L. M. C. 8.16 F. D.

Fitted for Oil Fuel 8.16. J. P. BROWN 1500

TUE. 29 JAN. 1918

Lloyd's Register Foundation

GENE

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.

150,10,11.—T.

TRUNK 8572
R.O.D.

ONE IN PL. LONGITUDINAL FRAMING.

State if Machinery is fitted aft $\frac{1}{2}$

Outside..... PAINT

UNDER ENGINE & BOILERS

⁷⁷ 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

Date 20-9-15

No. 405. in builder's yard.

DATES of SURVEYS

1915. Aug. 20 25. Sep. 2 3 7 9 13 15 17 21 23 27 29. Oct. 4 6 11 14 18 21 22 23 27 29. Nov. 1 3 5 8 10 12
15 17 18 21 22 24 26 29 30. Dec. 2 4 6 7 8 10 13 15 16 21 22 23 28 29 30. Jan. 4 5 6 10 12 14
19 21 24 25 26 28 31. Feb. 1 3 7 8 9 10 11 12 14 15 16 21 22 23 24 25 29. Mar. 12 7 8 9 10 14 15 16 17
29 31. Apr. 1 6 13 14 18 19 26 27 28. May 12 4 9 12 23 24 29. Jun. 5 12 17 21 27 28 30. Jul. 17 18
20 21 24 25 26 28 29. Aug. 2 3 4 5 7 8 9 10 11 14 15 16 17 18 19 21. Total No. of Visits 147

Total No. of Visits 147

Surveyor's Signature

L. S. Richmond & H. P. Weston