With ~~or Without~~ Disconnected Erections.

STANDARD SHIP, TYPE C.

STEEL STEAMER.

Received at London 1 FEB. 1919

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

Date of completion of report 1-2-19 Port of Sunderland No. 27417

Survey held at Sunderland Date, First Survey 28 Feby 1918 Last Survey January 24th 1919

On the (State if Single, ~~Twin, or Triple~~ Screw) Steamer **SHEAF SPEAR.** Rig One Signalling Mast.

CLASS ✠ 100 A1 Lloyd's Warsun

		FEET.
Breadth (greatest moulded)		46·5
Depth, at middle of length from top of keel to top of upper deck beams at side		25·5
Transverse Number		72·0
Length on deck from fore part of stem to after part of stern post		331·0
Longitudinal Number		23832
Depth "d," at middle of length (See Secs. 2 & 13) with increased brackets		21·75
Proportions—Depths to Length—Upper Deck Beam at side to top of keel		12·98
" " Long Bridge Deck Beam at side to top of keel		

TONNAGE under Tonnage Deck	
Do. between Tonnage Dk. and 3rd and 4th Dk.	
Total under Upper Dk.	2854·14
Do. of Poop	64·24
Do. of R.Q.Dk.	✓
Do. of Bridge ~~Space~~ Houses in	10·73
Do. of Forecastle Houses in	6·75
Do. of Houses on Dk. ~~Enclosed~~ In Houses	17·42 Su·25
Do. of excess of Hatchways	34·36
Do. above Crown of Engine Room	
Gross Tonnage	3072·99
Less Crew Space	129·97
Less above Crown of Engine Room	
TONNAGE FOR FEES	2943·02
Less Engine Room	983·36
Less Navigation Spaces	99·87
Register Tonnage as cut on Beam	1859·79

Master T. B. Clarke.

Year of appointment (1) As Master in service of owner of present vessel: ~~in~~ 1906 (2) As Master of this vessel 191~~8~~

Built at Sunderland

When built 1919 Launched December 3rd 1918

By whom built Messrs John Blumer & Co

Owners W. A. Souter & Co.

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

Residence Akenside House Newcastle-on-Tyne.

Port belonging to Newcastle.

Destined Voyage ✓ If Surveyed while Building, & Afloat, or ~~in Dry Dock~~ Yes

LENGTH on Deck as per Rule	Feet. 331	Inches. 0	**BREADTH**— Moulded	Feet. 46	Inches. 6	**DEPTH, ACTUAL**—Top of Floors to top of Upper Dk. Beams / Do. do. do. do. Second Dk. Beams	Feet. 23	Inches. 3	No. of Decks with flat laid One / No. of Tiers of Beams One

Dimensions of Ship per Register, Length 331·3 breadth 46·8 depth 23·2

Moulded depth, ft. 33 ins. 0 To Bridge Dk. Moulded depth, ft. 25 ins. 6 To Upper Dk. Round of Upper Dk. Beam, Actual 12 ins.

FRAMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.	Inches per Rule Approved.
FRAME, ~~Angles, or E~~ or L Bars amidships	10	3½	·46	10	3½	·46
Do. in peaks L	6	3	·48	6	3	·48
Do. in way of Double Bottoms at Solid Floors	3½	3½	·36	3½	3½	·36
" " at intermdt. Bkts.		✓				
Spacing of Frames from centre to centre amidships		24½			24½	
" " " " from ⅜ length to Collision bulkhead		"			"	
" " " " in peaks		24			24	
REVERSED FRAME, Angles		✓			✓	
Do. in way of Double Bottoms at Solid Floors	3½	3½	·36	3½	3½	·36
" " at intermdt. Bkts.		✓			✓	
FRAMING, depth of girder		10"			10"	
FLOORS, depth and thickness of Floor Plate at mid-line for ⅜ length amidships						
" in way of Engine and Boiler Spaces						
" thickness at the ends of vessel						
" depth at ¾ the half breadth, as per Rule						
" height extended at the Bilges						
FLOORS in **Cell. Double Bottoms**	·34	·38 ES	·44 BS	·34	·38 ES	·44 BS
" state if flanged (top & bottom)		No			No	
" Spacing of Solid floors		24½			24½	
CENTRE GIRDER, in Dbl. bottom, dpth. & thicknss.	39		·48	39		·48
" " Angles, Top	6	6	·50	6	6	·50
" " Bottom	6	6	·54	6	6	·54
" " to Floors	6	6	·40	6	6	·40
Brackets at intermdt. frmg., wdth & thknss		✓			✓	
GIRDERS, number on each side & thickness	One		·34	One		·34
" state if flanged (top and bottom)		No			No	
" Angles (top and bottom)	3 3½	3 3½	·36 ·36	3 3½	3 3½	·36 ·36
" " to Floors	3	3	·36	3	3	·36
PLATE, depth (exclusive of flange) and thickness	39		·42			·42
" Angle to Outside Plating	3½	3½	·42	3½	3½	·42
" " Floors	3½	3½	·36	3½	3½	·36
Brackets at intermdt. frmg., wdth & thknss		✓			✓	
Height of Outside Brackets above at bilge		24			24	
BOTTOM PLATING, breadth and thickness of **Middle Line Strake**	60		·42	60		·42
" " in Engine and Boiler space	ES ·46	BS	·52	ES ·46	BS	·52
" " Remainder in Holds		·36			·36	
Upper Deck, ~~Single Angle~~, Bulb Angle, ~~Plate, Tee Bulb, or Channel~~	9	3½	·42	9	3½	·42
" In way of Long Bridge	"	"	"	"	"	"
" Spacing			Every frame			
~~**BEAMS, Second Deck,** Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel~~						
" ~~Spacing~~						
~~**BEAMS, Third and Fourth Deck,** Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel~~						
" ~~Angles on upper edge~~						
" ~~Spacing~~						
BEAMS, Poop Deck, ~~Angle,~~ Bulb Angle, ~~Plate, Tee Bulb, or Channel~~	7	3	·36	7	3	·36
" ~~Angles on upper edge~~		✓			✓	
" Spacing			Every frame			
BEAMS, Bridge Deck, ~~Angle,~~ Bulb Angle, ~~Plate, Tee Bulb, or Channel~~	8	3	·44	8	3	·44
" Angles on upper edge		✓			✓	
" Spacing			Every frame			
BEAMS, Forecastle Deck, ~~Angle~~, Bulb Angle, ~~Plate, Tee Bulb, or Channel~~	8	3	·44	8	3	·44
" Angles on upper edge		✓			✓	
" Spacing			Every frame			

PILLARS.	Inches. Size in Ship.	Inches. Spacing in Ship.	Inches per Rule. Or as	Inches per Rule. Approved.
PILLARS In 'tween Deck, size and spacing	2¾	Spaced as per profile		
" " **Hold** " "	3½ to 5¼	solid rounds as		
" **Quarter 'tween Dks.,** " "	approved and built pillars			
" " **in Hold** " "	E at hatch ends as approved			

KEELSONS & STRINGERS.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.	Inches per Rule Approved.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate						
" Rider Plate						
" Flat Plate Keel Angles						
" Horizontal Plates on Floors	Cellular double bottom.					
" Angles or Bulb Angles						
SIDE KEELSONS, Number						
" Angles or Bulb Angles						
" Plate above floors, for length						
" Intercostal Plate, for length						
" Attached to outside Plating with Angle						
BILGE KEELSON, Angles	No side stringers amidships					
" Intercostal Plate for length						
" Attached to outside Plating with Angle						
SIDE STRINGERS, Number	✓ Parting arrangement forward as approved.					
" " Angle						
" Intercostal Plate, for length						
" Attached to outside plating with Angle						
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	52	·56	52	·56		
" " " br'dth & thickness (in way of Bridge)		·46		·46		
" " " Angle (clear of Bridge)	5 × 5 ×	·58	5 × 5 ×	·58		
" " Tie Plate at sides of Hatchways						
" Deck.* ~~Iron or~~ Steel, for Full lng.	·36 Between hatchways					
" " Thickness (clear of Bridge)	·56		·56			
" " " (in way of Bridge)	·30 + ·04 way of openings		·30			
" Wood Deck. Material & thickness						
~~**Second Deck Stringer Plate,** br'dth & thickness~~						
" ~~Angles on ditto, No.~~						
" ~~Tie Plates outside Hatchways~~						
" ~~Deck.* Iron or Steel, for~~ lng.						
" ~~Wood Deck. Material & thickness~~						
~~**Third Deck Stringer Plate,** br'dth & thickness~~						
" Angles on ditto, ~~No.~~						
" Tie Plates, outside Hatchways						
" Deck.* Material and thickness						
~~**Fourth and Fifth Deck Stringer Plate,** breadth & thickness~~						
" " " Angles on ditto, No.						
" " " Tie Plates outside Hatchways						
" " Deck. Material & thickness						
Poop Deck Stringer Plate, breadth & thickness	32	·32	32	·32		
" Angle on ditto	3 × 3 ×	32	3 × 3 ×	·32		
" Tie Plates		✓		✓		
" Deck. Material and thickness Steel	·25		·25			
Bridge Deck Stringer Plate, br'dth & thickness	48 ×	·52	48 ×	·52		
" Angle on ditto	3½ × 3½ ×	·56	3½ × 3½ ×	·56		
" Tie Plates	+ ·04 in way of openings					
" Deck. Material and thickness Steel	·32		·32			
Forecastle Deck Stringer Plate, b'dth & th'kns	32 ×	·32	32 ×	·32		
" Angle on ditto	3 × 3 ×	·32	3 × 3 ×	·32		
" Tie Plates						
" Deck. Material and thickness Steel	·30		·30			

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

Form No. 1A.—2m.6,18. T.

WEB FRAMES.

	Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Approved.	Inches per Rule. Or as Approved.
WEB-FRAMES, In Fore Body, No. and spacing	Three	6'-1½" ×	8'-2"	
,, ,, ,, brdth. & thickness	24	·50	24	·50
,, No. of Side Stringers ,, ,,	Parling Stringers as approved			
WEB-FRAMES, In E. & B. Space, No. & spacing	One			
,, ,, ,, brdth. & thickness	24	× ·42	24	·42
WEB-FRAMES, In After Body, No. and spacing				
,, ,, ,, brdth. & thickness				
,, No. of Side Stringers ,, ,,				
,, Size of Face Angles to **Web-Frames**	6	× 3½ × ·44	6 × 3½	·44
BRACKET PLATES to Stringers between Web Frames, depth and thickness	As Approved.			

FORGINGS or CASTINGS.

	Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar, depth and thickness	Flat plate Keel	
STEM, moulding and thickness	9½ × 2½	9½ × 2½
STERN-POST for Rudder do. do.	8½ × 6½	8½ × 6½
,, for Propeller	9½ × 6½	9½ × 6½
RUDDER—A×D² Table 22. Speed under 12K	284·73	
,, **Main-Piece,** diameter at head	8	8
,, ,, ,, at heel	6	6

RUDDER, how constructed: Forged and built

,, Thickness of Plates or Single Plate: 1·04"

Can the Rudder be unshipped afloat? Yes

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.? Open hearth process

Plates, South Durham, Consett & Bolckow Vaughan.

Angles, Cargo Fleet, Consett, Dorman Long & Palmers.

Has the Steel been tested as required by the Rules? Yes

BULKHEADS.

	Number. Vessel.	Number. Per Rule.	Thickness. Inches.	Stiffeners. Horizontal. Size. Inches.	Horizontal. Spacing Inches.	Vertical. Size. Inches.	Vertical. Spacing Inches.	Single or Double Frames.	Height up, state deck.
W.T. BULKHEADS	4	5							
	No 12	·38	6·26	SEMI BOX BEAM		9×3½×·50	24	Single	Upper
	" 38	·40	·26			11×3½×·52	30	"	"
	" 63	·38	·34 ·26			9×3½×·66	28½	"	"
	" 85	·44	·34 ·26			9×3½×·66	28½	"	"
	" 94	·38	·34 ·26			9×3½×·66	28½	"	"
,, COLLISION ,,	" 126	·40	·36 ·26			11×3½×·66	30	"	"
PARTITION ,,				1 KT FLAT					
LONGITUDINAL ,,	" 133	·50	·40 ·26	2 S. BOX BEAMS		9×3½×·50 / 8×3×·40	24	"	"

Are the outside Plates doubled two spaces of Frames in length? Brackets fitted

Are the Sluice Valves and Watertight Doors in efficient working order? Yes

PLATING.

STRAKES.	As in Ship. Amidship. Breadth. Inches.	Amidship. Thickness. Inches.	Forward. Thickness. Inches.	Aft. Thickness. Inches.	Per Rule or as Approved. Amidship. Breadth. Inches.	Amidship. Thickness. Inches.
Flat Plate Keel (If Bar Keel, state Riveting.)	45	·90	·64	·64	45	·90
Garboard or A Strake	79	·56	·42	·42		·56
B ,,	79	·56	·56	·52		·56
C ,,	89	·56	·56	·56		·56
D ,,	63	·56	·42	·46		·56
E ,,	63	·56	·42	·44		·56
F ,,	63	·56	·42	·44		·56
G ,,	63	·56	·42	·44		·56
H ,,	63	·56	·42	·42		·56
Sheerstrake J ,,	45	·56	·42	·42		·56
Bridge Side K ,,	84½	·62				·62
L ,,						
M ,,						
N ,,						
O ,,						
P ,,						
Q ,,						
R ,,						
S ,,						
T ,,						
U ,,						
V ,,						
W ,,						
Th'kness of Sh'erstrake clear of Long Bridge	45	·80	·42	·46	45	·80
Do. of Strake below	63	·56	·42	·42	63	·56
Dblg. of Flat Plate Keel						
,, Sheerstrakes (Length and thickness.)		21'-0" ×	·64	at ends of Bridge		
Poop Sides				·36		·36
Short Bridge Sides						
Forecastle Sides			·38			·38

Writs "Bridge Sheer Strake" and "Upper Deck Sheer Strake" opposite the corresponding letter.

RIVETING.

	Edges, Ordinary or Joggled? ORDINARY. Single or Double.	Rivets. Breadth of Lap. Inches.	Rivets. Diam. Inches.	Rivets. Spacing cr. to cr. Inches.	Butts. Double or Treble and for what Length.	Rivets. Diam. Inches.	Rivets. Spacing cr. to cr. Inches.	Straps. Breadth. Inches.	Straps. Thickness. Inches.	If Lapped. Breadth. Inches.	If Lapped. For what Length. Feet.
Flat Plate Keel	Double	6	1	4	4R to 3R	1⅛	4½			16	Full
Garboard	"	5¼	⅞	3½	" "	⅞	3½			12	"
B	"	"	"	"	" "	"	"			"	"
C	"	"	"	"	" "	"	"			"	"
D	"	"	"	"	3R	"	3⅜			9	"
E	"	"	"	"	"	"	"			"	"
F	"	"	"	"	"	"	"			"	"
G	"	"	"	"	"	"	"			"	"
H	"	"	"	"	"	"	"			"	"
Sheerstrake J	"	"	"	"	"	"	"			"	"
Bridge Side K	"	"	"	"	5R	"	4			15¼	
L											
M											
N											
O											
P											
Q											
R											
S											
T											
U											
V											
W											
Th'kness of Sh'erstrake clear of Long Bridge	Double	6	1	4	4R	1	4			14	
Do. of Strake below	"	6	1	4	3R	⅞	3½			9	

Edges of Sheerstrake 1" rivets 6" seam from within ends of bridge to ½ L on lower edge and from 53 to 71 + 99 to 113 on upper edge

Poop Sides	Single	3	¾	3	2R	¾	2⅝
Short Bridge Sides							
Forecastle Sides	Single	3	¾	3	2R	¾	2⅝

* Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

Upper Deck Stringer Plate — **Butts,** 4R riveted for half length amidship. 3R inside of Bridge. **Straps,** ~~single, double~~ or overlapped for full length amidship.

Bridge ~~Second Deck~~ Stringer Plate — **Butts,** 3R riveted for full length amidship. **Straps,** ~~single or~~ overlapped for full length amidship.

Butts of Side Stringers — riveted.

,, **Tie Plates** — riveted.

Inner Bottom Plating, riveting of **Edges** 2R & 1R **Butts** 2R to 1R

Centre Girder Butts, 3R riveted. **Keelson Butts,** — riveted.

Frames, riveted through Plates with ⅞ in. Rivets, about 6⅛ apart.

Rivets, state whether Iron or Steel: Iron

FRAMES extend in one length from Keel to margin & thence to upper and bridge dks alt.ly State if ordinary or joggled: Joggled

REVERSED FRAMES on floors and frames extend from Keel to margin

State if ordinary or joggled: Joggled in D.Bm.

MASTS, SPARS, &c.

	Material.	Total Length.	Diameter and Thickness. At Partners.	Heel.	Hounds.	Head.	No. of Plates in round.	Angles. Number.	Angles. Size.	Riveting. Seams.	Riveting. Butts.
Lower Masts. Fore											
Main				One signalling mast							
Mizen											
Bowsprit											

Topmasts, Yards and Remainder of **Spars** ✓

Rigging, Material and Size, **Shrouds** 3" **Stays** 2¼

Sails. None Suit of ✓ Sails, and the following spare sails ✓

Form No. 1A

EQUIPMENT No. 24981 LETTER U. ANCHORS. TONNAGE U. DK. OR PLATING No. FOR TRAWLERS

Number of Certificate.	Anchors.	Weight, Ex. Stock. Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight required by Table 31. Cwts.	qrs.	lbs.	Description of Anchor	Makers.	Where and when tested and Superintendent.
23342	1st Bower	46	0	14	-	-	-	19	14	0	7	45	0	0	Stockless	✓	Sld. 18/4/18. L. Haffner.
23327	2nd ,,	45	1	14				19	9	2	21	45	0	0	"	✓	Sld. 14/9/18 L. Haffner
23378	3rd ,,	39	0	0				15	2	2	0	38	0	0	"	✓	Sld. 30/9/18 L. Haffner.
-	4th ,,	-	-	-													
	Collective weight.	130	2	0	✓							128	0	0			
22843	Stream	11	3	14	3	1	0	13	15	0	0	12	0	0	Ordinary	N. Hingley	Sld. 10/4/18 L. Haffner
	Kedge	Anchor has been ordered for this Ship but has not been delivered up to the time of the Vessel Sailing															

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

1st Bower	30-0-7	W.C.	1834	9-7-18
2nd ,,	27-3-21	W.C.	1886	6-8-18
3rd ,,	25-0-0	W.C.	1922	27-8-18
4th ,,				

CHAIN CABLES.

Number of Certificate.	Length and size supplied. Length. Fathoms.	Diam. Ins.	Test per Certificate. Statutory. Tons.	Breaking. Tons.	Weight of Chain Cable. Supplied. Cwts. qrs. lbs.	Per Rule. Cwts. qrs. lbs.	Length and Size per Table 31. Length. Fathoms.	Diam. Ins.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
11213	105	1 15/16	67½	96½	198-2-0	198-3-13	210	1 15/16	Stud	N. Hingley.	Sld. L. Haffner 13/9/18
11214	105	1 15/16	67½	96½	199-1-7	198-3-13				N. Hingley.	Sld. L. Haffner 13/9/18
~~Iron~~ Stream ~~Chain or~~ Steel Wire	90	Cir. 4½	35	✓	-	-	90	Cir. 4½		Hudson Rope Works.	5/4/18.

HAWSERS AND WARPS.

Material.	Length and Size supplied. Length. Fathoms.	Cir. Ins.	Breaking Test of Steel Wire Towline. Tons.	Length and Size per Table 31. Length. Fathoms.	Cir. Ins.
Towline	100	4	33	100	4
Hawsers & Warps	90	2½	12½	90	2½
,, ,,	90	2½	9½	90	2¼
,, ,,	90	7"	-	90	7"
	90	6	✓	90	6"

Boats Two at 24'-0" & Two at 18'-0" **Steering Gear, Steam** J. Lynn. Sl.º **Steering Gear, Hand** not fitted. Tiller of unusual strength & secondary means of steering as approved

Pumps, Number. Rotary Pump to Top of Fore Peak. Diameter of Barrel ✓ State whether ~~they are~~ in efficient working order? Yes.

Windlass is Emerson Walker & Thompson Bros Ld Gateshead-on-Tyne. **Capstan** No Capstan

Engine Room Skylights.—How constructed? Steel plates and angles What arrangements for deadlights in bad weather? Steel flaps & bull's eyes

Coal Bunker Openings.—How constructed? " " " How are lids secured? Tarpaulins & Cleats Height above deck? 30"

Number of **Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** 6 on each side, 8 each side 3'-3" × 1'-6"

Ceiling in Holds, thickness and material 2½ W.N over bilges only **Cargo Battens,** thickness and material None fitted

Cargo Hatchways.—How formed? Steel plates & angles **Hatches,** If strong and efficient? Yes

State size **No. 1 Hatch** (Forward) 26'-6½" × 18'-0" **No. 2 Hatch** 26'-6½" × 18'-0" **No. 3 Hatch** 26'-6½" × 18'-0" **No. 4 Hatch** 26'-6½" × 18'-0"

Number of **Web Plates, Shifting Beams** and **Fore** and **Afters** to each Hatch ✓ 4 webs, no fore & afters

No. of Breasthooks 4 and decks **No. of Crutches** Deep floors

Bulwarks, height above deck and description 3'-9" × ·25 Main Rail, material and size 6⅝ × 3¼ × ½ patent rail bar

The foregoing is a correct description. *Builder's Signature (here only)* John Blumer & Co. *Surveyor's Signature* A. Pickworth W. Livingstone *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? Overlapped

Is the riveted work properly closed? Yes

Are the liners between the frames and plates solid single pieces? Joggled 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 strapped~~? & overlapped? 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 constructed in accordance with the approved plans and the Rules. The materials & workmanship are good. As a war emergency measure the length of the cable has been reduced in accordance with Circular 1304 and the hand pumps have been dispensed with.

Midship Sections, Profile & Deck plans of the Vessel as Built, together with Forging reports are forwarded herewith.

This vessel is a similar Ship to the same Builders "War Sky" Sld. Rpt. 24361

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 ..... £ 136 : 11 : 7

Travelling Expenses, if any £ : :

Fees applied for, 31. 1. 1919

Received by me, 4. 2. 1919 RBN 3/3/19

Certificate to be sent to SUNDERLAND Date of Issue 7. 2. 19

State whether the Vessel has been built under Special Survey Yes ✠ 100 A.1.

I am of opinion this Vessel should be Classed

With, or without Freeboard, as condition of Class without

A. Pickworth W. Livingstone *Surveyor to Lloyd's Register of Shipping.*

Committee's Minute FRI. 7 FEB. 1919

Character assigned 100 A1 Cargo battens not fitted + LMC 1.19 F.D. Lloyds A.O.P. Wireless (m)

This Surveyor's are required not to write on or below the Committee's Minute.

GENERAL REMARKS—(*continued*).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32·9 ft., R.Q.D. — ft., Bridge 98·0 ft., Forecastle 28·3 (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 should appear in the Register Book*) 1 DK (Steel)

Official No. 142825 ; Signal Letters

How are the surfaces preserved from oxidation? Inside Paint and pt cement Bilges, Double Bottom Tanks & peak tanks cemented. State if Machinery is fitted aft no Outside Paint

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	93·92	227
Double bottom, under Engines and Boilers,	-	-
Double bottom, if under Engines only,	22·46	75
Double bottom, if under Boilers only,	16·33	55
Double bottom, forward,	142·92	377
	Total capacity of double bottom	734

Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Fore peak tank,	19·37	135
After peak tank,	22·00	122
Deep tank, aft,		
Deep tank, forward,		
Other tanks, if fitted,		
(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. 5322

Date 30.12.17

No. 249 in builder's yard.

DATES of Surveys held while building: 1918. Feb. 28. May 9.13.23.27.30. Jun 13.21.28. Jul 1.4.25. Aug. 2.6.13.14.22.27. Sep. 5.18.20.25. Oct 4.9.14.
24.29.30. Nov. 6.9.20.25.28.29. Dec 2.3.5.9.12.13.17.19.20.23.31. Jan 7.11.13.14.21.22.24.

Total No. of Visits 53

Surveyor's Signature A. Pickworth.