~~Awning or~~ Shelter Deck, ~~or Pt. Awning Deck.~~ STEEL STEAMER.

No. 67678

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

Port of NEWCASTLE-ON-TYNE. Date of completion of Report 24th June 1915 Received at London Office FRI. JUN. 25. 1915

Survey held at Newcastle Date, First Survey July 7 - 1914 Last Survey 24th June 1915

On the (*State if Single, ~~Twin, or Triple Screw~~*) S.S. Southwestern Miller Rig Schooner

TONNAGE under Tonnage Deck

Do. between Tonnage Dk. and 3rd, 4th, or ~~Lifting~~ Dk. 1854·97

Total under Upper Dk. 4757·75

Do. of Poop

Do. of ~~Pr. Qr. Dk.~~ Side houses 44·04

Do. of Bridge House

Do of Forecastle Houses in 3·78

Do. of Houses on Deck 117·79

Do. of excess of Hatchways 41·94

Do above Crown of Engine Room

Gross Tonnage 6514·24

Less Crew Space 169·22

Less above Crown of Engine Room

TONNAGE FOR FEES... 6345·05

Less Engine Room 2084·57

Less Navigation Spaces 98·74

Register Tonnage (*Bs cut on Beam*) 4161·74

CLASS 100 A 1.

	Feet.
Breadth (*greatest moulded*)	53·16
Depth, *at middle of length from top of keel to top of beams at side of uppermost Continuous Deck*	39·00
Deduct *height of 'tween deck when this does not exceed 8ft.*	18·00
Transverse Number	284·16
Length *on deck from fore part of stem to after part of sternpost*	419·42
Longitudinal Number	352·98
Depth "d" *at middle of length. See Secs. 2 & 13*	18·0
Proportions, *Depths to Length, Uppermost Continuous Deck at side to top of keel*	10·76
" " *Upper Deck at side to top of keel*	13·7

Destined Voyage

Master

Year of Appointment (1) *As Master in service of owner of present vessel:*—191 (2) *As Master of this vessel* 191

Built at Newcastle Howden on Tyne

When built 1914-5 *Launched* 17th Dec 1914

By whom built Northumberland S.B. Co Ltd

Owners Norfolk & North American S.S. Co Ltd

Managers Furness Withy & Co London

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

Residence London

Port belonging to Liverpool

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

LENGTH on deck as per Rule — Ft. 419 Ins. 5

BREADTH — Moulded — Ft. 53 Ins. 2

DEPTH, ACTUAL—Top of Floors to top of ~~Awn. or~~ Shelter Dk. Beams — Ft. 36 Ins. 5

Do. do. Upper Deck Beams .... Ft. 27 Ins. 11

No. of Decks with flat laid 2 & 5th

No. of Tiers of Beams 2 & 4th & 5th in fore hold.

Dimensions of Ship per Register, Length 420 breadth 53·45 depth 36·35 ~~Awning~~ Shelter Dk. 27·85 Upper Deck.

Moulded depth, ft. 39 ins. 0 To Awning or Shelter Dk. Moulded depth, ft. 30 ins. 6 To Upper Dk.

Round up of Uppermost Dk. Beam, Actual .. 13 ins

FRAMING.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Ap'rov'd.	Inches per Rule Or as Ap'rov'd.	Inches per Rule Approved.
FRAME, ~~Angles, or~~ E or L Bars, amidships (*In Shelter 'tween Dks, angle*)	6½	3½	·38	6½	3½	·38
Do. in peaks ... Aft. L. 7.2 x 3.2 x .44 ... F. (*2 in E & B space*)	10	3½	·54	10	3½	·54
	10	3½	·58	10	3½	·58
	7⅝	3½	·48	7⅝	3½	·48
				4 7⅝	3½	·44
Do. in way of Double Bottoms at Solid Floors	13½	3½	·42	3½	3½	·42
" " at intermdt. Bkts.	7½	3½	·44	7½	3½	·44
Spacing of Frames from centre to centre amidships	26½			26½		
" " " " from ⅜ length to collision bulkhead	26½	822		26½	822	
" of Frames from centre to centre in peaks	22 F	24 A		24	22 F	
REVERSED FRAME, Angles (*where not flanged*)						
Do. in way of Double bottoms at Solid Floors	3½	3½	·42	3½	3½	·42
" " at intermdt. Bkts.	17	3	·40	7	3	·40
FRAMING, depth of girder	10			10		
FLOORS, depth and thickness of Floor Plate at mid-line for ½ length amidships						
" in way of Engine and Boiler spaces						
" thickness at the ends of vessel						
" depth at ⅛ the half-bdth. as per Rule						
" height extended at the Bilges						
FLOORS, in **Cell Double Bottoms**	40			40		
" state if flanged (top and bottom)	At top					
" spacing of Solid	79½			79½		
CENTRE GIRDER, in Dbl. bottom, dpth. & thicknss	44		·52	44		·52
" " Angles, Top	4½	4½	·60	4½	4½	·60
" " " Bottom. 2	4½	4½	·60	4½	4½	·60
" " " to Floors	5	5	·58	5	5	·58
" Brackets at intermdt. frmg., wdth & thknss	42		·40	42		·40
SIDE GIRDERS, number and thickness	2		·40	2		·40
" " state if flanged (top & bottom)	To floors					
" Angles	3½	3½	·42	3½	3½	·42
MARGIN PLATE, depth (exclusive of flange) and thickness	36½		·48	35		·48
" Angles to outside plating	4	4	·48	4	4	·48
" " to floors	5	3½	·42	5	3½	·42
" Brackets at intermdt. frmg., wdth & thknss	36		·40	36		·40
" Height of Brackets above at bilge	34			34		
INNER BOTTOM PLATING, breadth and thickness of **Middle Line Strake**	68	·52	·56 D	68	·56 D	·52
" " thickness in Engine and Boiler space	E·50	B	·56	·50		·56
" " " Remainder in Holds	40			40		
BEAMS, ~~Awng or~~ Shltr Dk, ~~Single Angle,~~ Bulb Angle, ~~Plate, Tee Bulb or Channel~~	8½	3	·50	8½	3	·50
Spacing	26½			26½		
BEAMS, Upper Deck, ~~Single Angle,~~ Bulb Angle, ~~Plate, Tee Bulb or Channel~~	11	3½	·56	11	3½	·56
Spacing	53			53		
BEAMS, Second, ~~Third & Fourth~~ Deck, ~~Single Angle,~~ Bulb Angle, ~~Plate, Tee Bulb or Channel~~ Angles on upper edge	12	4	·80	12	4	·80
Spacing (*Third in fore hold*)	53			53		
BEAMS, ~~Poop Deck,~~ ~~Angle, Bulb Angle, Plate, Tee Bulb or Channel~~	12	4	·52	12	4	·52
" Angles on ~~upper~~ lower edge	3½	3½	·50	3½	3½	·50
" Spacing	53			53		
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						
" Angles on upper edge						
" Spacing						
BEAMS, Forecastle Deck, ~~Angle,~~ Bulb Angle, ~~Plate, Tee Bulb or Channel~~	7½	3	·42	7½	3	·42
" Angles on upper edge						
" Spacing	22	24		22	24	

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 (*Shelter*)	2⅞	53	2⅞	53
" " **Hold** (*& Upper 'tween decks*) " "	Wide spaced as per app'd plan		built pillars	
" **Quarter, 'tween Dks.,** " "				
" " **in Hold** " "				

KEELSONS AND 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 Keel Plate Angles						
" Horizontal Plates on Floors						
" 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						
" Intercostal Plate, for length						
" Attached to outside plating with Angle						
SIDE STRINGERS, Number						
" " Angle						
" " Intercostal Plate, for lng.						
" Attached to outside plating with Angle						
~~Awning or~~ **Shelter Deck Stringer Plates,** breadth and thickness	56	56		56	56	
" Angle on ditto	5 x 5	60		5 x 5	60	
" Tie Plates, fore and aft, outside Hatchways						
" Deck.* ~~Iron or~~ Steel, for full lng.		40			40	
" Wood Deck. Material & thickness						
Upper Deck Stringer Plate, breadth and thickness	48	48		48	48	
" Angles on ditto, No. 2	3½ x 3½	48		3½ x 3½	48	
" Tie Plates, outside Hatchways						
" Deck.* ~~Iron or~~ Steel, for full lng.	5 at hatchways	40		5 at hatchways	40	
" Wood Deck. Material & thickness						
Second Deck Stringer Plates, br'dth & thickn's	48	44		48	44	
" Angles on ditto, No. 2	3½ x 3½	48		3½ x 3½	48	
" Tie Plates, outside Hatchways						
" Deck.* Material and thickness Steel		34			34	
Third, ~~Fourth & Fifth~~ Deck Stringer Plate, (*in fore hold*) breadth and thickness	48	44		48	44	
" Angles on ditto, No. 2	3½ x 3½	44		3½ x 3½	44	
" Tie Plates, outside Hatchways	18	40		18	40	
" Deck. Material and thickness						
Poop Deck Stringer Plate, breadth & thickness						
" Angles on ditto						
" Tie Plates						
" Deck. Material and thickness						
Bridge Deck Stringer Plate, br'dth & thickness						
" Angle on ditto						
" Tie Plates						
" Deck. Material and thickness						
Forecastle Deck Stringer Plate, b'dth & th'kns	36	36		36	36	
" Angle on ditto	3½ x 3½	36		3½ x 3½	36	
" Tie Plates						
" Deck. Material and thickness Steel		26			26	

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

Form No. 1B.—250,1,12. T.

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W622-0164 (1/2)

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~~ Shelter between decks, No. and spacing	11	As per profile plan		
,, ,, ,, brdth. & thickness	24	38	flanged on face	
,, No. of Side Stringers ,, ,,				
WEB-FRAMES, In E. & B. Space, No. & spacing				
,, ,, ,, brdth. & thickness				
WEB-FRAMES, In After Body, No. and spacing				
,, ,, ,, brdth. & thickness				
,, No. of Side Stringers ,, ,,				
,, Size of Face Angles to **Web-Frames**				
BRACKET PLATES to Stringers between Web Frames, depth and thickness				

FORGINGS or CASTINGS.

	Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar, depth and thickness		
STEM, moulding and thickness	10 × 2 29/32	10½ × 2¾
STERN-POST for Rudder do. do.	9 × 8	9 × 8
,, for Propeller	10½ × 8	10½ × 8
RUDDER—A×D* Table 22. Speed 11 Knots	503	
,, **Main-Piece**, diameter at head	10½	10½
,, ,, ,, at heel	7½	7½

BULKHEADS.

	Number. Vessel.	Number. Per Rule.	Thickness.	STIFFENERS. Horizontal. Size.	Horizontal. Spacing	Vertical. Size.	Vertical. Spacing	Single or Double Frames.	Height up, state deck.
			Inches.	Inches.	Inches.	Inches.	Inches.		
W.T. BULKHEADS	7	6							
After peak			40·34	Semi box beam		9×3×5/8	24"	Sgl.	U. Dk.
40 - 152			34·26			4×3×3/4	30"	"	"
64 - 80			38·26	Vert. Web		11×3½×5/8	24"	"	"
106 - 114			34·26			9×3½×5/8	30"	"	"
,, **COLLISION** 483			44·26	8½×3½×¾ & Semi box beam		10½×3½×⅝	24"	·	Lr. Dk.
PARTITION ,,						4×3×3/4			
LONGITUDINAL ,,									

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

RUDDER, how constructed Single plate, round stock, arms shrunk on

,, 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. Lough Burham Cargo Fleet Palmers. David Colville. John Spencer & Sons Consett Frodingham Lanarkshire

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

PLATING.

STRAKES.	AS IN SHIP. Amidship. Breadth.	Amidship. Thickness.	Forward. Thickness.	Aft. Thickness.	PER RULE OR AS APPROVED. Amidship. Breadth.	Amidship. Thickness.
	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.
FLAT PLATE KEEL (If Bar Keel, state Riveting.)	48	1·04	·72	·72	48	1·04
GARBOARD or A Strake		·66	·48	·66		·66
B ,,		·66	·48	·66		·66
C ,,		·66	·48	·66		·66
D ,,		·66	·48	·66		·66
E ,,		·66	·48	·66		·66
F ,,		·66	·46	·66		·66
G ,,		·66	·46	·64		·66
H ,,		·66	·46	·64		·66
J ,,		·66	·46	·64		·66
K ,,		·66	·46	·46		·66
L ,,	88	·70	·46	·46	88	·70
M ,,						
N ,,						
O ,,						
P ,,						
Q ,,						
R ,,						
S ,,						
T ,,						
U ,,						
V ,,						
W ,,						
TH'KNESS OF SH'RSTRKE CLEAR OF LONG BRIDGE						
DO. OF STRAKE BELOW						
DBLG. of Flat Plate Keel						
,, **Sheerstrakes** *Length and thickness.*						
POOP SIDES						
SHORT BRIDGE SIDES						
FORECASTLE SIDES			46		46	

Strakes A B C & D are reduced ·02 where floors are on every frame in E.S.

" A B & C maintain midship thickness to Collision Bulkhead.

RIVETING.

EDGES. Ordinary or joggled? Joggled. Single or Double.	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.
Dbl	6¾	1 1/16	4 5/12	Quad	1⅛	3½			16	3/5 L
"	5¼	⅞	3 5/16	"	⅞	3½			12	½ L
"	"	"	"	"	"	"			"	"
"	"	"	"	"	"	"			"	"
"	"	"	"	"	"	"			"	"
"	"	"	"	"	"	"			"	"
"	"	"	"	"	"	"			"	"
"	"	"	"	Dbl	"	3⅛			9	7/8 a
"	"	"	"	"	"	"			"	"
"	"	"	"	"	"	"			"	"
"	"	"	"	"	"	"			"	"
"	"	"	"	"	"	"			"	"
"	6	1	3 11/16	Quad	"	3½			12	½ L
				"	1	4			14	3/4 L

Awning or Shelter Deck Stringer Plate — **Butts**, Dbl riveted for full length ~~amidship~~. **Straps**, ~~single, double or~~ overlapped for full length ~~amidship~~.

Upper Deck Stringer Plate — **Butts**, Dbl riveted for full length ~~amidship~~. **Straps**, ~~single or~~ overlapped for full length ~~amidship~~.

Butts of Side Stringers riveted.

,, **Tie Plates** Dbl riveted.

Inner Bottom Plating, riveting of **Edges** Dbl & Sgl **Butts** Dbl & Tbl

Centre Girder Butts, Tbl riveted **Keelson Butts**, ✓ riveted.

Frames, riveted through Plates with 7/8 & 1" in. Rivets, about 5½-6¾ in. apart.

Rivets, state whether Iron or Steel Iron

FRAMES extend in one length from Margin plate to Upper Dk. Scarphed & Shelter Dk. State if ordinary or joggled Ordinary

REVERSED FRAMES on floors and frames extend from Centre girder & Margin plate. Bulb angle frames above margin plate. State if ordinary or joggled Ordinary

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	Steel	55·3"	26 × ·60	26 × ·54		17½ × ·46	2			Sgl	Tbl
Main	"	57·4"	26 × ·60	26 × ·54		17½ × ·46	2			"	"
Mizen											
Bowsprit											

Topmasts, ~~Yards and Remainder of~~ **Spars** Pitch pine

Rigging, Material and Size, **Shrouds** 3¾ & 3½ G. S. W. **Stays** 4½ & 2½ G. S. W

Sails. ✓ Suit of Sails, and the following spare sails

Form No. 1B.

Write "Awning or Shelter Deck" "Sheer Strake" opposite the corresponding letter.

The Surveyors are requested not to write on or below the Committee's Minute.

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EQUIPMENT No. 38404 LETTER a†. ANCHORS.

Number of Certificate.	Anchors.	Weight, Ex. Stock Cwts.	qrs.	lbs.	Weight of Stock. Cwts.	qrs.	lbs.	Test, per Certificate. Tons.	cwts.	qrs.	lbs.	Weight Req. by Table 31. Cwts.	qrs.	lbs.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
18349	1st Bower	69	1	14	Stocklss			53	10	0	0	68	0	0	Byers Stocklss	W. L. Byers & Co	L.P.H.S. 30/7/14 L. Haffner
18355	2nd ,,	67	1	7	"			52	4	2	0	68	0	0	"	"	" 31/7/14 "
18356	3rd ,,	58	3	14	"			47	13	3	0	58	2	0	"	"	" 31/7/14 "
	Collective weight	195	2	7								194	2	0			
10438	Stream	19	1	0	4	3	14	20	2	0	0	19	0	0	Rodgers	R. Sykes & Sons	L.P.H.C. 13/5/14 G. W. Penn
10439	Kedge	8	1	7	2	0	14	10	8	0	0	8	0	0	"	"	" 13/5/14 "

Hammer Drop & Bend Tests

† Patent state Name of Patentee. ‡ Stockless, state Mechanical Tests.

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.	Fathoms and Size Per Table 31. Length. Fathoms.	Diam. Ins.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
15026	270	2 5/16	96 4/4	134 3/4	723.3.17	720.3.4	270	2 5/16	Steel	R. Sykes & Sons	L.P.H.C. 17/6/14 G.W.Penn
Iron Stream Chain or Steel Wire...	90	Cir. 5	39				90	Cir. 5			

HAWSERS AND WARPS.

Material.	Length and Size supplied. Length. Fathoms.	Cir. Ins.	Breaking Test of Steel Wire Towline. Tons.	Fathoms and size per Table 31. Length. Fathoms.	Cir. Ins.
TOWLINE	120	5 3/4	65	120	5 3/4
HAWSERS & WARPS	2 × 90	3 1/2	26	90	3 1/2 2 ff
" "	90	3 1/4	22	90	3 1/4
" "	2 × 90	3	18	90	3 2 ff
	2 × 90	6" Manl		90	8" Manl 2 ff
	2 × 90	5" "		90	7" " 2 ff

Boats 2 Life cutters 1 G.C. 1 Dinghy **Steering Gear, Steam** Good **Steering Gear, Hand** Good

Pumps, Number 1-6" Johnston 1-4" Lift Diameter of Barrel State whether they are in efficient working order Yes

Windlass is Iron patent **Capstan**

Engine Room Skylights.—How constructed? Steel plate & angles What arrangements for deadlights in bad weather? Steel shutters & lights

Coal Bunker Openings.—How constructed? Steel plates & angles How are lids secured? Battened Height above deck? 30"

Number of **Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** Part open rails on Shelter Dk 6 Scuppers each side

Ceiling in Holds, thickness and material 2½ W.P. under hatches & over limbers **Cargo Battens,** thickness and material 7×2 W.P.

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

State size **No. 1 Hatch** (Forward) 58.6 26.6×18-0 **No. 2 Hatch** 26.6×18.0 **No. 3 Hatch** 13.3×18.0 **No. 4 Hatch** 15.5½×18-0

Number of **Web Plates, Shifting Beams** and **Fore** and **Afters** to each Hatch 4 Shifting beams in Hds 1.2.5 & 6 & 2 in Hds 3 & 4 Fore & afters

No. of Breasthooks 9 **No. of Crutches** 28 Deep floors

Bulwarks, height above deck and description Steel plates 46×5/20 Main Rail and Stays, material and size Steel B.A. 6×3½×5/20

The foregoing is a correct description. THE NORTHUMBERLAND SHIPBUILDING Co. LTD *Surveyor's Signature* E. J. Hilton

Builder's Signature (here only) R. Ch. Garlick *Surveyor to Lloyd's Register of British and Foreign Shipping.*

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

M. 72-2-14 14-14-14 4-11-14

Workmanship. Are the butts of plating planed or otherwise fitted? Lapped and planed

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? A few

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 Good

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes State results of tests Good

General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the approved plans, the Society's Rules and the Secretary's letters quoted above. The workmanship and material are good throughout.

The approved plans of Midship Section, Profile & decks, stern frame & rudder, pumping arrangements deep tank, bulkheads, fore peak and panting arrangements, after peak, bulkheads, gutterways, pillars & girders, strong beams in stokehold, E & B casings, lower part of stern frame, and 7 plans relating to cargo and cattle pens in Shelter 'tween decks are forwarded herewith, which please return for dealing with sister vessel No. 229.

This vessel has been taken over by the Admiralty who are fitting her for the conveyance of mounted troops; cattle doors are being fitted in Shelter 'tween decks, in accordance with plans approved by the Committee. The required strengthening in way of openings has been fitted but the doors are not yet fitted completely.

With this exception the vessel has been completed for Classification exactly as the sister vessel S.S. Northwestern Miller and the Owners and Builders are pressing for the Classification Certificate to enable them to complete the arrangements with the Admiralty. P.T.O.

The Northwestern Miller now report 67264 Yard No. 221 is a sister vessel also 229 now building.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

The amount of Entry Fee ..... £ 5 : 0 : 0 Fees applied for, JUN 23 1915

Special Survey Fee.... £ 183 : 12 : 6 Received by me, 25/6/ 1915 26/6/15

Travelling Expenses, if any £ : :

Certificate to be sent to NEWCASTLE-ON-TYNE Date of issue 25/6/15. Requested. To compare Chlorine tests on 4 pairs of chains over

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed ✠100 A 1. Shelter Dk Steel.

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

E. J. Hilton

Surveyor to Lloyd's Register of British and Foreign Shipping.

The Surveyors are requested not to write on or below the Committee's Minute.

Committee's Minute TUE. JUN. 29. 1915

Character assigned 100A1

Shelter dk with fbd.

Lloyds Arb. P.

Cattle Pens.

+ Lm 6.6.15

F.D.

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W622-0167

GENERAL REMARKS—(*continued*).

It is respectfully submitted That the vessel is eligible to be classed subject to the Cattle doors being completed to the Society's satisfaction

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop —— ft., R.Q.D. —— ft., Bridge —— ft., Forecastle 34
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated Complete Shelter Deck

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*) 2 Dks (Stl) and Shelter Dk (Stl) 3 tier beams in Hold

Official No. 137462; Signal Letters ——. State if Machinery is fitted aft Yes

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

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Cap Tons
Double bottom, aft,	115·11	450	Fore peak tank,	20·6	11
Double bottom, under Engines and Boilers,			After peak tank,	22·0	12
Double bottom, if under Engines only,	33·1½	155	Deep tank, aft,	35·4	95
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	172·2	625	Other tanks, if fitted,		
	Total capacity of double bottom	1230	(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. 4496

Date 11th Dec. 1913.

No. 222 in builder's yard.

Dates of Surveys held while building

1913 Dec 7. 9. 15. 17. 21. 23. 27. 29. 31. Aug 5. 7. 12. 14. 18. 20. 24. 27. 28. Sept. 1. 2. 4. 8. 11. 16. 24. 29. 30. Oct. 2. 6.
15. 20. 26. 28. Nov. 3. 5. 10. 13. 17. 20. 26. Dec. 1. 3. 7. 8. 9. 12. 14. 15. 18. 21. 24. 31. 1915 Jan. 7. 12. 22. 25. Apr. 1. 7
15. 19. 22. 1914 May 3. 6. 13. 18. 19. 21. 26. 28. 31. June 2. 4. 9. 11. 15. 16. 17. 21. 24.

Total No. of Visits 83

Surveyor's Signature E. J. Milton

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