CHUY.

3 1339

With ~~or Without~~ Disconnected Erections.

STEEL STEAMER.

Received at London Office .....

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

Date of completion of report 27. 12. 19. Port of Glasgow No. 39493

Survey held at Glasgow Date, First Survey 5-6-1918 Last Survey 20-12. 1919.

S. S. "ARANA"

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

CLASS +100 A.1.

			FEET.
TONNAGE under Tonnage Deck		Breadth (greatest moulded)	42.75
Do. between Tonnage Dk. and 3rd and 4th Dk.		Depth, at middle of length from top of keel to top of upper deck beams at side	23.00
Total under Upper Dk.	2272.16	Transverse Number	65.75
Do. of Poop	87.67	Length on deck from fore part of stem to after part of stern post	303
Do. of R.Q.Dk.		Longitudinal Number	19922
Do. of Bridge House	15.39	Depth "d," at middle of length (See Secs. 2 & 13) to upper deck / " 2nd deck	19.91 / 11.91
Do. of Forecastle	7.56	Proportions—Depths to Length—Upper Deck Beam at side to top of keel	13.17
...on Dk.	81.66	" " Long Bridge Deck Beam at side to top of keel	9.93
...Hatchways	39.42		
...on of ...n ..	2503.86		
...age	144.72		
...ce			
...on of ...n ..	2359.13		
...Fees..	801.24		
...oom	100.92		
...Spaces			
...nage ...m ..	1456.97		

Master Davies

Year of appointment (1) As Master in service of owner of present vessel:—1919 (2) As Master of this vessel 1919

Built at Glasgow

When built 1919 Launched 17.9.19

By whom built A. J. Inglis Ltd

Owners MacAndrews & Co. Ltd

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

Residence London

Port belonging to London

Destined Voyage Spanish Ports If Surveyed while Building, and Afloat, ~~or in Dry Dock~~ Yes

	Feet.	Inches.		Feet.	Inches.		Feet.	Inches.	
...n Deck ...le	303	0	BREADTH—Moulded	42	9	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	20	9 1/4	No. of Decks with flat laid 2 wo
						Do. do. do. do. Second Dk. Beams	12	9 3/4	No. of Tiers of Beams 2 wo

...f Ship per Register, Length 303.4 breadth 43 depth 20.75 Moulded depth, ft. 30 ins. 6 To Bridge Dk. Moulded depth, ft. 23 ins. 0 To Upper Dk. Round of Upper Dk. Beam, Actual 10 3/4 ins.

FRAMING.	Inches in Ship.	Inches in Ship	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.	Inches per Rule Approved.
...gles, or ~~E or~~ L Bars amidships	9	3 1/2	·45	9	3 1/2	·45
...ks	6	3	·38	6	3	·38
...y of Double Bottoms at Solid Floors	3 1/2	3 1/2	·34	3 1/2	3 1/2	·34
" at intermdt. Bkts.	7	3	·35	7	3	·35
Frames from centre to centre amidships		24	✓		24	
" " " from ¾ length to Collision bulkhead		24	✓		24	
" " " in peaks		24	✓		24	
...D FRAME, Angles						
...y of Double Bottoms at Solid Floors	3 1/2	3 1/2	·34	3 1/2	3 1/2	·34
" at intermdt. Bkts.	7	3	·35	7	3	·35
...depth of girder		9			9	
~~...depth and thickness of Floor Plate at mid-line for ¾ length amidships~~						
~~...y of Engine and Boiler Spaces~~						
...ness at the ends of vessel						
... at ¾ the half breadth, as per Rule						
~~...t extended at the Bilges~~						
...Cell. Double Bottoms			·32			·32
...ate if flanged (top & bottom)		no			no	
...pacing of Solid floors		72			72	
...IRDER, in Dbl. bottom, dpth. & thicknss.	37		·46	37		·46
" Angles, Top one	5	5	·50	5	5	·50
" " Bottom one	5	5	·52	5	5	·52
" " to Floors Two in each space	3 1/2	3 1/2	·34	3 1/2	3 1/2	·34
...ackets at intermdt. frmg., wdth & thknss	39		·32	39		·32
...DERS, number on each side & thickness	One		·32	One		·32
state if flanged (top and bottom)		no				
Angles (top and bottom)	3	3	·34	3	3	·34
" to Floors	3	3	·34	3	3	·34
...LATE, depth (exclusive of flange) and thickness	37		·40	37		·40
" Angle to Outside Plating	3 1/2	3 1/2	·40	3 1/2	3 1/2	·40
" " Floors	3 1/2	3 1/2	·34	3 1/2	3 1/2	·34
...ckets at intermdt. frmg., wdth & thknss	39		·32	39		·32
...ight of Outside Brackets above at bilge		70			70	
...TTOM PLATING, breadth and thickness of Middle Line Strake			·44	37		·44
" in Engine and Boiler space	E ·42, B ·52			E ·42, B ·52		
" Remainder in Holds			·34			·34
...per Deck, ~~Single Angle,~~ Bulb ~~Angle, Plate, Tee Bulb, or Channel~~ ~~...way of Long Bridge~~	9	3 1/2	·42	9	3 1/2	·42
...pacing		24	✓		24	
...cond Deck, ~~Single Angle,~~ Bulb ~~Angle, Plate, Tee Bulb, or Channel~~	8	3	·44	8	3	·44
...pacing		24	✓		24	
~~...rd and Fourth Deck, Single Angle,~~ ...ulb Angle, Plate, ~~Tee Bulb,~~ or Channel ...ngles on upper edge						
~~...pacing~~						
...op Deck, ~~Angle,~~ Bulb Angle, ~~Plate, Tee Bulb, or Channel~~ ~~...ngles on upper edge~~	6	3	·375	6	3	·32
" Spacing		24	✓		24	
BEAMS, Bridge Deck, ~~Angle,~~ Bulb Angle, ~~Plate, Tee Bulb, or Channel~~	8	3	·40	8	3	·40
~~" Angles on upper edge~~						
" Spacing		24	✓		24	
BEAMS, Forecastle Deck, ~~Angle,~~ Bulb Angle, ~~Plate, Tee Bulb, or Channel~~	8	3	·40	8	3	·40
~~" Angles on upper edge~~						
" Spacing		24	✓		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	2 7/8	48	2 7/8	48
" " Hold " "	4 1/4-5 1/4	48	4 1/4-5 1/4	48
~~" Quarter 'tween Dks., " "~~				
~~" " in Hold " "~~				

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						
" 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 ... length						
~~" Attached to outside plating with Angle~~						
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	51		·50	51		·50
" " " " br'dth & thickness (in way of Bridge)			·46			·46
" " " Angle (clear of Bridge)	5 x 5 x		·54	5 x 5 x		·54
~~" " Tie Plate at sides of Hatchways~~						
" Deck.* ~~Iron or~~ Steel, for whole lng.			·36			·36
" " Thickness (clear of Bridge)			·36			·36
" " " (in way of Bridge)			·30			·30
~~" Wood Deck, Material & thickness~~						
Second Deck Stringer Plate, br'dth & thickness	46 x		·42	46 x		·42
" Angles on ditto, No.	3 1/2 x 3 1/2 x		·42	3 x 3 x		·42
~~" Tie Plates outside Hatchways~~						
" Deck.* Iron or Steel, for whole lng.			·30			·30
~~" 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	29 x		·32	29		·32
" Angle on ditto	3 x 3 x		·32	3 x 3 x		·32
~~" Tie Plates~~						
" Deck. Material and thickness Steel			·26			·26
Bridge Deck Stringer Plate, br'dth & thickness Steel Sheet bel 2 1/2 P.P.	54		·46	54		·46
" Angle on ditto	3 1/2 x 3 1/2 x		·56	3 1/2 x 3 1/2 x		·56
~~" Tie Plates~~						
" Deck. Material and thickness Steel			·30			·30
Forecastle Deck Stringer Plate, b'dth & th'kns	29 x		·32	29		·32
" Angle on ditto	3 x 3 x		·32	3 x 3 x		·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.—1m,9.17. T.

002762-002769-0061

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		Two		Two
,, ,, ,, brdth. & thickness		24 x ·46		24 x ·46
,, No of Side Stringers (Panting)		Two		Two
WEB-FRAMES, In E. & B. Space, No. & spacing		Frames increased		
,, ,, ,, brdth. & thickness		in lieu of web frames		
~~**WEB-FRAMES, In After Body,** No. and spacing~~				
~~,, ,, ,, brdth. & thickness~~				
,, No. of Side Stringers ,, ,,				
,, Size of Face Angles to **Web-Frames**		6 x 3½ x ·54		6 x 3½ x ·54
~~**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~~	Flat plate keel	
STEM, moulding and thickness	9 x 2½ ✓	9 x 2½
STERN-POST for Rudder do. do.	8 x 6 ✓	8 x 6
,, for Propeller	9 x 6 ✓	9 x 6
RUDDER—A×D² Table 22. Speed	500 · 28	10 K.
,, **Main-Piece,** diameter at head	9½ ✓	9½
,, ,, ,, at heel	7¼ ✓	7¼

RUDDER, how constructed: Forged frame & single plate

,, Thickness of Plates or Single Plate: ·94

Can the Rudder be unshipped afloat? 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	44							✓	
	1	·35	·35	✓	-	]7 x 3 · 48	24	Single	U.D.
	2		·34	✓	-	]9 x 3½ · 42	30	,,	,,
	3		·34	✓	-	]9 x 3½ · 45	30	✓ ,,	,,
	4		·34	✓	-	]9 x 3½ · 48	30	✓ ,,	,,
	5		·34	✓	-	]9 x 3½ · 42	30	✓ ,,	,,
,, **COLLISION** ,,	6		·40	Horizontal Plate		]7 x 3 · 40	24	✓ ,,	,,
~~**PARTITION**~~									
~~**LONGITUDINAL**~~ ,,									

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

Are the ~~Sluice Valves and~~ Watertight Doors in efficient working order? 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) Lanarkshire Steel Co. Colville & Sons. Slegen Iron & Steel Co.

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

PLATING. / RIVETING.

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.	Edges. Ordinary or joggled? Ordinary. 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.
Flat Plate Keel (If Bar Keel, state Riveting.)		44	·84 ✓	·60 ✓	·60	44	·84	Double	5¼	⅞	3 3/16	Treble F.L.	1	3½	2 · 52	2 · 52	✓✓	✓
Garboard or	A Strake		× ·54 ✓	·42 ✓	·42		·54	,,	,,	,,	,,	do	⅞	3½	2 · 52	✓	9	Treble L.
State actual thickness in way of Double Bottom.	B ,,		× ·54 ✓	·42 ✓	·42		·54	,,	,,	,,	,,	do	,,	,,	✓	✓	,,	,,
	C ,,		× ·54 ✓	·42 ✓	·42		·54	,,	,,	,,	,,	do	,,	,,	✓	✓	,,	,,
	D ,,		·54 ✓	·42 ✓	·42		·54	,,	,,	,,	,,	do	,,	,,	✓	✓	,,	,,
	E ,,		·54 ✓	·42 ✓	·42		·54	,,	,,	,,	,,	do	,,	,,	✓	✓	,,	,,
	F ,,		·54	·42	·42		·54	,,	,,	,,	,,	T.R. where over ·42	,,	,,	✓	✓	,,	,,
	G ,,		·54	·42	·42		·54	,,	,,	,,	,,	do	,,	,,	✓	✓	,,	,,
	H ,,		·54	·42	·42		·54	,,	,,	,,	,,	do	,,	,,	✓	✓	,,	,,
	J ,,		·54	·42	·42		·54	,,	,,	,,	,,	do	,,	,,	✓	✓	,,	,,
U.D. Sheer-strake	K ,,	44	·54	·42	·42		·54	,,	,,	,,	,,	do	,,	,,	✓	✓	,,	,,
	L ,,		·54				·54	,,	,,	,,	,,	T.R.F.L.	,,	,,	✓	✓	,,	,,
B.D. Sheer-strake	M ,,		·54				·54					do	,,	,,	✓	✓	,,	,,
	N																	
	O																	
	P																	
	Q																	
	R																	
	S																	
	T																	
	U																	
	V																	
	W																	

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

× midship thickness maintained to collision bulkhead

Th'kness of Sh'rstrke clear of Long Bridge	44	·86 ✓			44	·86	Double	5¼	⅞	3 3/16	Quad where over ·68	1	4	✓	✓	14
Do. of Strake below		·54 ✓				·54	,,	5¼	⅞	3 3/16	Treble	⅞	3½	✓	✓	9
~~Dblg. of Flat Plate Keel~~																
,, Sheerstrakes (Length and thickness.)		Doubled at ends of bridge 20-0 × ·70"														
Poop Sides				·34 ✓		·34	Double	4½	¾	3	Double	¾	2⅝	✓	✓	5
~~Short Bridge Sides~~																
Forecastle Sides			·36 ✓			·36	Double	4½	¾	3	do	do	do	✓	✓	5

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,** Treble riveted for Whole length amidship.	**Butts of Side Stringers** ✓	riveted.
	~~**Straps,** single, double or~~ overlapped for Whole length amidship.	,, **Tie Plates** ✓	riveted.
Second Deck Stringer Plate	**Butts,** Double riveted for Whole length amidship.	**Inner Bottom Plating,** riveting of **Edges** Single & double **Butts** Treble & double	
	~~**Straps,** single or~~ overlapped for Whole length amidship.	**Centre Girder Butts,** Treble riveted. **Keelson Butts,** ✓	riveted.
		Frames, riveted through Plates with ⅞ in. Rivets, about 6¼ ✓	apart.
		Rivets, state whether Iron or Steel: Iron	

FRAMES extend in one length from middle line to margin plate thence to upper deck to poop & forecastle, and already to bridge deck except for four frames at each end of same which extend to bridge deck. State if ordinary or joggled: Ordinary

REVERSED FRAMES on floors and frames extend from middle line to 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	53-0	21 x ·50	21 x ·50		16½ ·32	Two	None		Single	Treble
	Main	,,	55-0	do	do		do	do	do		do	do
	~~Mizzen~~											
~~Bowsprit~~												

Form No. 1A

Topmasts, Yards and Remainder of **Spars**: Wood Topmasts

Rigging, Material and Size, **Shrouds** 4" G.S.W. **Stays** 3½ G.S.W.

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

EQUIPMENT No. 20890 LETTER t. 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.
23741	1st Bower	43	1	0	Stockless			38	1	1	0	42	0	0 ✓	Dreadnought type	S. Taylor & Son	Sund 29/1/19 Haffner
23810	2nd ,,	42	1	14	✓	do		37	8	1	0	42	0	0 ✓	do	do	do 20/2/19 Bell
23668	3rd ,,	35	0	14		do		32	9	1	14	35	2	0	Byers Stockless	do	do 9/1/19 Haffner
	4th ,,																
	Collective weight.	120	3	0								119	2	0			
26573	Stream	11	2	20	✓ 2	3	18	13	10	0	0	11	0	0 ✓	Ordinary	not stated	Cradley Heath 25/9/17 Paul
23787	Kedge	5	1	0	✓ 1	1	14	7	11	3	14	5	1	0 ✓	do	S. Taylor & Son	Sund 21/1/19 Haffner

If Patent state Name of Patentee. If Stock state Manufacturer's name.

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

1st Bower: Forged open hearth right Steel anchor

2nd ,, do do do

3rd ,, 24 · 0 · 0 D.S.W. 1374 19/11/18

~~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.
11718	210 ✓	1⅞	63½ ✓	88½ ✓	392 · 1 · 14	352 · 0 · 10 ✓ @ 140	240 ✓	1⅞	Stud Link	S. Taylor & Son	Sund 18/2/19 Bell
~~Iron~~ Stream ~~Chain or~~ Steel Wire	75	Cir. 4¼ ✓	35				75	Cir. 4¼			

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	180	4
Hawsers & Warps	2-90	2½	12½	2-90	2½
,, ,,	2-90	2¼	9½	2-90	2¼
,, ,,					

Boats Two **Steering Gear, Steam** Caldwell & Co **Steering Gear, Hand** Efficient

Pumps, Number One to fore peak Diameter of Barrel 4" State whether ~~they are~~ at work in efficient working order Yes

Windlass is Steam by Emerson, Walker, Thompson Bros. **Capstan** ✓

Engine Room Skylights.—How constructed? Steel plates What arrangements for deadlights in bad weather? Folding flaps

Coal Bunker Openings.—How constructed? Plates & angles How are lids secured? Battens & cleats Height above deck? 18"

Number of **Scuppers,** and numbers and dimensions of **Freeing Ports, &c.** 6 Scuppers each side, 8 Freeing ports 36" x 16" each side

Ceiling in Holds, thickness and material 30" Steel plates over limbers **Cargo Battens,** thickness and material 2" Pine ✓

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

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

Number of **Web Plates, Shifting Beams** and **Fore** and **Afters** to each Hatch Five webs in each hatch. No fore and afters

No. of Breasthooks 3 **No. of Crutches** Deep floors

Bulwarks, height above deck and description 4'-0" Steel plates Main Rail, material and size 6 x 3 x 40 B.A.

The foregoing is a correct description. A. & J. INGLIS, LIMITED. Director

Builder's Signature (here only) James J. Inglis. *Surveyor's Signature* George Nicol *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*) See Secretary's letters of various dates

Workmanship. Are the butts of plating planed or otherwise fitted? planed where practicable

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? or specified 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.) Workmanship good

This vessel has been built in accordance with the approved plans, the Secretary's letters of various dates and generally in conformity with the Rules for the Class contemplated. The vessel is an "H" type Standard Steamer modified by the introduction of a 2nd deck.

1. Casting and 1 forging report herewith, also midship section of vessel as built and approved plans showing 2nd Deck.

Please return approved plans of 2nd deck for use in the construction of sister vessel

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 £ 5 : 0 : 0 — Fees applied for, 29.12.19 — Received by me, 19

Special Survey Fee £ 83 : 19 : 6 — Certificate to be sent to Glasgow Date of issue 23.1.20

Travelling Expenses, if any £ 4 : 4 : 0 — £93.3.6 RBN 14/1/20

Charge £ 9 : 0 : 0 — £9 Rd. 19/12/19 RBN

State whether the Vessel has been built under Special Survey Yes

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

With, or without Freeboard, as condition of Class Without

George Nicol *Surveyor to Lloyd's Register of Shipping.*

Committee's Minute GLASGOW 30 DEC 1919

Character assigned + 100 A1. 12.19. Lloyd's A+CP

+LMC 12.19.

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

GENERAL REMARKS—(*continued*).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32·66 ft., ~~R.Q.D.~~ ft., Bridge 81·25 ft., Forecastle 31·96 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*) 2 decks Stl

Official No. ✓ ; Signal Letters ✓ . State if Machinery is fitted aft No

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

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	98	208	Fore peak tank,		69 ✓
Double bottom, under Engines and Boilers,	38	125	After peak tank,		180 ✓
~~Double bottom, if under Engines only,~~			~~Deep tank, aft,~~		
~~Double bottom, if under Boilers only,~~			~~Deep tank, forward,~~		
Double bottom, forward,	124	328	~~Other tanks, if fitted,~~		
	Total capacity of double bottom	661	(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. 5202

Date 26·9·18.

No. 325 in builder's yard.

Dates of Surveys held while building

1918. June 5·6·10·14·18·21. July 5. Aug 8·9·14·27. Sept 11·23·25. Oct 3·14·16·17·18·21·24·29·31.
Nov 1·6·7·15·22 Dec 2·4·9·11·17·19·23·26.
1919. Jany 9·13·16·21·28. Feby 6·20·24·28. Mar 3·4·20. Apl 3·11·17·22·24·30. May 8·12.
June 3·4·12·18·20. July 2·7·30. Aug 6·18·20·26. Sept 2·4·11·13·25. Oct 3·17·27.
Nov 11·24·28. Dec 4·12·20.

Total No. of Visits 82

Surveyor's Signature George Nicol