

Shade
Awning or Shelter Deck,
or Pt. Awning Deck.

STEEL STEAMER.

State if Report is also sent on the Machinery of the Vessel *Yes.*
Port of *Belfast* Date of completion of Report *January 19th 1911* Received at London Office
Survey held at *Belfast* Date, First Survey *April 20th 1910* Last Survey *January 19th 1911*
On the *Steel Iron Screw Steamer* "ARANKOLA" Rig *Schooner*

TONNAGE under Tonnage Deck... 2888-86
Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk. ...
Total under Upper Dk. ...
Do. of Poop ...
Do. of R. Qr. Dk. ...
Do. of Bridge House ...
Do. of Forecastle ...
Do. of Houses on Deck ...
Do. of excess of Hatchways ...
Do. above Crown of Engine Room ...
Gross Tonnage ...
Less Crew Space ...
Less above Crown of Engine Room ...
TONNAGE FOR FEES...
Less Engine Room ...
Less Navigation Spaces ...
Register Tonnage as cut on Beam... 1801-36

CLASS *100 R.1. Shade Dk.*
Breadth (greatest moulded) ...
Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck ...
Deduct height of 'tween deck when this does not exceed 8ft. ...
Transverse Number ...
Length on deck from fore part of stem to after part of sternpost ...
Longitudinal Number ...
Depth "d" at middle of length. See Secs. 2 & 13...
Proportions, Depth to Length, Uppermost Continuous Deck at side to top of keel ...
" " Upper Deck at side to top of keel ...

Master *C. J. SWANSON*
Year of Appointment ...
Built at *Belfast*
When built *1911* Launched *2nd Nov. 1910*
By whom built *Workman Clark & Co. Ltd*
Owners *British India S. N. Co.*
Managers
(Where necessary to be entered in Reg. Book.)
Residence
Port belonging to *Glasgow*

Destined Voyage *Calcutta* If Surveyed while Building, Afloat, or in Dry Dock *Yes*

LENGTH on Deck as per Rule	Ft.	Ins.	BREADTH Moulded	Ft.	Ins.	DEPTH, ACTUAL	Top of Floors to top of Awning or Shelter Dk. Beams	Ft.	Ins.	No. of Decks with flat laid	No. of Tiers of Beams
389	8		49	11		22	6	22	6	3	3

Dimensions of Ship per Register, Length *390.3* breadth *50.36* depth *22.08* Upper Deck. Moulded depth, ft. *22* ins. *6* To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual ... *124* ins.

FRAME, Angles, or E or L Bars, amidships	5 1/2	3 1/2	4 1/2	5 1/2	3 1/2	4 1/2
Do. in peaks	5 1/2	3 1/2	4 1/2	5 1/2	3 1/2	4 1/2
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
at intermdt. Bkts.	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
Spacing of "Frames from centre to centre amidships	25	25	25	25	25	25
" length to collision bulkhead	25	25	25	25	25	25
" of Frames from centre to centre in peaks	24	24	24	24	24	24
REVERSED FRAME, Angles	4 1/2	3 1/2	4 1/2	5 1/2	3 1/2	4 1/2
FRAMING, depth of girder	4 1/2	3 1/2	4 1/2	5 1/2	3 1/2	4 1/2
FLOORS, depth and thickness of Floor Plate	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
at mid-line for 1/2 length amidships	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
" in way of Engine and Boiler spaces	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
" thickness at the ends of vessel	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
" depth at 1/2 the half-bdth. as per Rule	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
" height extended at the Bilges	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
FLOORS & BRACKETS, in Cell Dble Bottoms	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
state if flanged (top & bottom)	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
spacing	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness	4 1/2	3 1/2	4 1/2	5 1/2	3 1/2	4 1/2
" Angles, Top	4 1/2	3 1/2	4 1/2	5 1/2	3 1/2	4 1/2
" Bottom	4 1/2	3 1/2	4 1/2	5 1/2	3 1/2	4 1/2
" to Floors	4 1/2	3 1/2	4 1/2	5 1/2	3 1/2	4 1/2
SIDE GIRDERS, number and thickness	one	36	one	36	36	36
" state if flanged (top & bottom)	one	36	one	36	36	36
" Angles	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
MARGIN PLATE, depth (exclusive of flange)	30	30	30	30	30	30
and thickness	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
" Angles to outside plating	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
" to floors	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
Height of Brackets above at bilge	23	23	23	23	23	23
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	41	41	41	41	41	41
" thickness in Engine and Boiler space	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
Remainder in Holds	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2	4 1/2
BEAMS, Awng or Shltir Dk, Single Angle,	8 x 3 1/2 x 3 1/2	5 1/2	8 x 3 1/2 x 3 1/2	5 1/2	5 1/2	5 1/2
Bulb Angle, Plate, Tee Bulb or Channel	8 x 3 1/2 x 3 1/2	5 1/2	8 x 3 1/2 x 3 1/2	5 1/2	5 1/2	5 1/2
" Angles on upper edge	50	50	50	50	50	50
" Spacing	50	50	50	50	50	50
BEAMS, Upper or Second Deck, Single Angle,	8 x 3 1/2 x 3 1/2	5 1/2	8 x 3 1/2 x 3 1/2	5 1/2	5 1/2	5 1/2
Bulb Angle, Plate, Tee Bulb or Channel	8 x 3 1/2 x 3 1/2	5 1/2	8 x 3 1/2 x 3 1/2	5 1/2	5 1/2	5 1/2
" Angles on upper edge	50	50	50	50	50	50
" Spacing	50	50	50	50	50	50
BEAMS, Third or Fourth Deck, Single Angle,	10 x 3 1/2 x 3 1/2	4 1/2	10 x 3 1/2 x 3 1/2	4 1/2	4 1/2	4 1/2
Bulb Angle, Plate, Tee Bulb or Channel	10 x 3 1/2 x 3 1/2	4 1/2	10 x 3 1/2 x 3 1/2	4 1/2	4 1/2	4 1/2
" Angles on upper edge	50	50	50	50	50	50
" Spacing	50	50	50	50	50	50
BEAMS, Fourth or Fifth Deck, Plate, Tee	7 x 3 1/2 x 3 1/2	50	7 x 3 1/2 x 3 1/2	50	50	50
Bulb or Channel	7 x 3 1/2 x 3 1/2	50	7 x 3 1/2 x 3 1/2	50	50	50
" Angles on upper edge	50	50	50	50	50	50
" Spacing	50	50	50	50	50	50
BEAMS, Poop Deck, Angle, Bulb Angle, Plate,	7 x 3 1/2 x 3 1/2	50	7 x 3 1/2 x 3 1/2	50	50	50
Tee Bulb or Channel	7 x 3 1/2 x 3 1/2	50	7 x 3 1/2 x 3 1/2	50	50	50
" Angles on upper edge	50	50	50	50	50	50
" Spacing	50	50	50	50	50	50
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate,	7 x 3 1/2 x 3 1/2	50	7 x 3 1/2 x 3 1/2	50	50	50
Tee Bulb or Channel	7 x 3 1/2 x 3 1/2	50	7 x 3 1/2 x 3 1/2	50	50	50
" Angles on upper edge	50	50	50	50	50	50
" Spacing	50	50	50	50	50	50
BEAMS, Forecastle Deck, Angle, Bulb Angle,	2 7/8 x 2 3/4	50	2 7/8 x 2 3/4	50	50	50
Plate, Tee Bulb or Channel	2 7/8 x 2 3/4	50	2 7/8 x 2 3/4	50	50	50
" Angles on upper edge	50	50	50	50	50	50
" Spacing	50	50	50	50	50	50
PILLARS, in 'tween Deck, size and spacing	2 7/8 x 2 3/4	50	2 7/8 x 2 3/4	50	50	50
Hold	2 7/8 x 2 3/4	50	2 7/8 x 2 3/4	50	50	50
" Quarter, 'tween Dks.	2 7/8 x 2 3/4	50	2 7/8 x 2 3/4	50	50	50
" in Hold	2 7/8 x 2 3/4	50	2 7/8 x 2 3/4	50	50	50
WEB FRAMES, In Fore Body, No. and spacing	11	56	11	56	56	56
breadth & thickness	18	42	18	42	42	42
" No. of Side Stringers	6 1/2	3 1/2	6 1/2	3 1/2	3 1/2	3 1/2
WEB FRAMES, In E. & B. Space, No. & spacing	11	56	11	56	56	56
breadth & thickness	18	42	18	42	42	42
" No. of Side Stringers	6 1/2	3 1/2	6 1/2	3 1/2	3 1/2	3 1/2
WEB FRAMES, In After Body, No. and spacing	11	56	11	56	56	56
breadth & thickness	18	42	18	42	42	42
" No. of Side Stringers	6 1/2	3 1/2	6 1/2	3 1/2	3 1/2	3 1/2
" Size of Face Angles to Web Frames	6 1/2	3 1/2	6 1/2	3 1/2	3 1/2	3 1/2
BRACKET PLATES to Stringers between	6 1/2	3 1/2	6 1/2	3 1/2	3 1/2	3 1/2
Web Frames, depth and thickness	6 1/2	3 1/2	6 1/2	3 1/2	3 1/2	3 1/2

KEEL, Bar, depth and thickness	10 x 2 3/4	10 x 2 3/4
STEM, moulding and thickness	10 x 2 3/4	10 x 2 3/4
STERN-POST for Rudder do. do.	10 x 2 3/4	10 x 2 3/4
" for Propeller	10 x 2 3/4	10 x 2 3/4
RUDDER-A x D* Table 22	12	12
" Main Piece, diameter at head	12	12
" " " at heel	9	9
RUDDER, how constructed	Forging and single plate	
Can the Rudder be unshipped afloat?	Yes	

KEELSONS AND STRINGERS.		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal 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							
" Intercoastal Plate, for length							
" Attached to outside plating with Angle							
BILGE KEELSON, Angles							
" Intercoastal Plate, for length							
" Attached to outside plating with Angle							
SIDE STRINGERS, Number							
" Angle							
" Intercoastal Plate, for full lng.							
" Attached to outside plating with Angle							
Awning or Shelter Deck Stringer Plates, breadth and thickness							
" Angle on ditto							
" Tie Plates, fore and aft, outside Hatchways							
" Deck * Iron or Steel, for full lng.							
" Wood Deck, Material & thickness							
Upper or Second Deck Stringer Plate, breadth and thickness							
" Angles on ditto, No.							
" Tie Plates, outside Hatchways							
" Deck * Iron or Steel, for full lng.							
" Wood Deck, Material & thickness							
Third Deck Stringer Plates, br'dth & thckn's							
" Angles on ditto, No.							
" Tie Plates, outside Hatchways							
" Deck * Material and thickness							
Fourth and Fifth Deck Stringer Plate, breadth and thickness							
" Angles on ditto, No.							
" Tie Plates, outside Hatchways							
" 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, br'dth & th'kns							
" Angle on ditto							
" Tie Plates							
" Deck, Material and thickness							

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

BULKHEADS.	Number.		Thickness.	STIFFENERS.				Single or Double Frames.	Height
	In Vessel.	Per Rule.		Horizontal.		Vertical.			
				Size.	Spacing.	Size.	Spacing.		
			Inches.	Inches.	Inches.	Inches.	Inches.		
W. T. BULKHEADS	6	6	32	6 x 3 1/2	30	30	30	4 x 3 1/2	4
COLLISION									
PARTITION									
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

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES. Ordinary or Joggled?				BUTTS.						
	AMIDSHIP.		FORWARD.		AFT.	AMIDSHIP.		RIVETS.		RIVETS.		STRAPS.		IF LAPPED.			
	Breadth.	Thickness.	Thickness.	Thickness.		Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.
FLAT PLATE KEEL	46	94	66	66	46	94	Double	6 1/2	18	46	0.57 x 78	18	46	21 1/2	66		
GARBOARD OR A Strake		62	46 5/8	72		58			5 1/2	8	3 1/2	Quad 2 1/2	8	3 1/2		12	full
B " "		58	46 5/8	50 7/2		58											
C " "		58	46 5/8	58 7/2		58											
D " "		60	46	58 7/2		60											
E " "		60	46	58 7/2		60											
F " "		60	46	46 7/2		60											
G " "		60	44	44 1/4		60											
H " "		60	44	44 1/4		60											
J " "	Shine	51	60	44	44 1/4	48	60										
K " "		* 62	44	44 1/4		62		5 1/2 x 7/8	1 1/2	3 1/2							
L " "	Plaid BK	50 1/2	72	44	44 1/4	49	72		5 1/2 x 7/8	1 1/2			7/8 x 1 1/2	3 1/2		12 1/4	
M " "	Brig Side	46				64		6		4 1/2			7/8	3 1/2		12	
N " "		52 1/2	72			51	72						1	4		14	
O " "																	
P " "		x	60 in way of Bridge														
Q " "																	
R " "																	
S " "																	
DOUBLING OF Flat Plate Keel	✓																
" of Sheerstrakes (Length and Thickness)	✓																
POOP SIDES	✓																
SHORT BRIDGE SIDES	See above																
FORECASTLE SIDES	✓																
<p>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? <i>Open heart process</i></p> <p><i>Port Talbot, Lanarkshire, Glasgow, Dalzell,</i></p> <p><i>Dorman Long, Phoenix, South Durham Boulton Cardiff</i></p> <p><i>Palmes, Steel Co of Scotland</i></p> <p>Has the Steel been tested as required by the Rules? <i>Yes</i></p>																	
<p>FRAMES extend in one length from <i>Main to Main to keels to Gunwale</i> state if ordinary or joggled? <i>Joggled</i></p> <p>REVERSED FRAMES on floors and frames extend from <i>center line to margin thence to upper deck and in way of bridge every fourth to side deck, ultimately to forecabin</i> state if ordinary or joggled? <i>ordinary</i></p>																	
MASTS, SPARS, &c.																	
		Material.		Total Length	DIAMETER AND THICKNESS.				No. of Plates in round.		ANGLES.		RIVETING.				
					At Partners.		Heel.		Head.		Number.		Size.		Butts.		
LOWER MASTS....		Fore		Steel	54.6	20 x 7/2	19 x 7/2	16 x 7/2	2x2	2x2	✓	✓	✓	✓	Single	Drill 5/16	
		Main		do	48.6	20 x 7/2	19 x 7/2	16 x 7/2	2x2	2x2	✓	✓					

Correspondence.—State dates and initials of letters respecting this case (*Reference should be made to any correspondence connected with this case*).
Mss 26 Feb 3-10, 10-3-10, 17-3-10, 18-3-10, 22-3-10, 13-4-10, 9-5-10, 28-6-10, 28-6-10, 7-7-10, 15-9-10, 28-11-10 E 27-5-10

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 where fitted* 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 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 *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 letter of the above date, and in general conformity with the Rules for the class contemplated.

Vessel placed in dry dock bottom cleaned examined and recoated after trial trip.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *✓* ft., R.Q.D. *✓* ft., Bridge *173* ft., F'castle *✓* ft. (in feet and tenths). When the Poop is joined to the B.D.; this should be distinctly stated *Complete shade 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 as it should appear in the Register Book)

Official No. _____; Signal Letters _____ State if Machinery is fitted aft *no*

How are the surfaces preserved from oxidation? Inside *Portland cement paint* Outside *Paint*

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

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>45-10</i>	<i>51</i>	Fore peak tank,		<i>29</i>
Double bottom, under Engines and Boilers,	<i>135-5</i>	<i>387</i>	After peak tank,		<i>25-</i>
Double bottom, if, under Engines only,			Deep tank aft,		
Double bottom, if, under Boilers only,			Deep tank forward,		
Double bottom, forward,	<i>123-0</i>	<i>138</i>	Other tanks, if fitted,		
Total capacity of double bottom		<i>576</i>	(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. _____ Date _____

Dates of Surveys held while building
Apr. 20. 25. 29. May 3. 4. 5. 6. 12. 17. 23. 28. June 2. 13. 14. 16. 21. 23. 27. July 1. 4. 6. 8. 27. Aug 1. 12. 25. 28. 31. 15. 18. 22. 23. 26. 30. 31. Sept. 1. 2. 7. 9. 13. 14. 16. 19. 21. 22. 26. 29. Oct 1. 4. 7. 8. 11. 12. 17. 19. 21. 24. 26. 28. 3 Nov. 1. 2. 8. 9. 10. 14. 16. 17. 21. 23. 28. Dec. 1. 2. 5. 7. 9. 12. 13. 20. 23. (1911) Jan 1. 2. 3. 4. 6. 9. 10. 19.

No. *298* in builder's yard. Total No. of Visits *87.*

The amount of Entry Fee £ *5 : 0 : 0* Fees applied for, *11-1-1911*
Special £ *119 : 19 : 0* Received by me,
Travelling Expenses, if any £ : : *20/11 1911*

State whether the Vessel has been built under Special Survey *yes*
I am of opinion this Vessel should be Classed *A 100 A1 Shade dk*
With, or without Freeboard, as condition of Class *without*

Certificate to be sent to *This Office*
J.M. Ibbotson Sd/-
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute
Character assigned *TUE. 24 JAN 1911*
Shade dk
Lt Col. P.
L.M.B. 1.11
F.D.

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