

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

STEEL STEAMER.

No. 6944

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

Port of *Belfast* Date of completion of Report *8<sup>th</sup> June 1911* Received at London Office *TUE. AUG. 15. 1911*

Survey held at *Belfast* Date, First Survey *Aug 19<sup>th</sup> 1910* Last Survey *31<sup>st</sup> May 1911*

On the *Steel Twin Screw Steamer* "EGRA" Rig *Schooner*

Master *G. R. Rangan*

Year of Appointment *1911*

Built at *Belfast*

When built *1911* Launched *14<sup>th</sup> Mar. 1911*

By whom built *Workman Clark & Co. L.*

Owners *British India Steam Nav. Co.*

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

Residence *Glasgow*

Port belonging to *Glasgow*

Register Tonnage *2344.91* Destined Voyage *India* If Surveyed while Building, Afloat, or in Dry Dock *Yes*

TONNAGE under Tonnage Deck... 3725.27

Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk. 30.47

Total under Upper Dk. 30.47

Do. of Poop 189.91

Do. of R. Qr. Dk. 515.49

Do. of Bridge House upper 35.79

Do. of Forecastle 244.43

Do. of Houses on Deck 4.10

Do. of excess of Hatchways 363.02

Do. above Crown of Engine Room 5108.47

Gross Tonnage 226.77

Less Crew Space 363.02

Less above Crown of Engine Room 4518.66

TONNAGE FOR FEES... 2441.22

Less Engine Room 95.53

Less Navigation Spaces 2344.91

CLASS *100 R.I. Shade Deck*

Breadth *52.25*

Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck... 27.25

Deduct height of 'tween deck when this does not exceed 8ft. 79.5

Transverse Number 410.0

Length on deck from fore part of stem to after part of sternpost 325.95

Longitudinal Number 15.9

Depth "d" at middle of length. See Secs. 2 & 13... 11.6

Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel... 15.04

Upper Deck at side to top of keel... 15.04

LENGTH on Deck as per Rule	Ft.	Ins.	BREADTH Moulded	Ft.	Ins.	DEPTH, ACTUAL	Ft.	Ins.	Top of Floors to top of Upper Deck Beams	Ft.	Ins.	No. of Decks with flat laid	No. of Tiers of Beams
410	0	52	3	35	3	27	3	3	32	8	2	2	

Dimensions of Ship per Register, Length 410 breadth 52.81 depth 24.7 Upper Deck. Moulded depth, ft. 35 ins. 3 To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual 12.5 ins.

FRAMING.	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	FORGINGS AND CASTINGS.	Inches in Ship	Inches per Rule Or as Approved.
FRAME, Angles, Bars, amidships	6	3 1/2	46	6	3 1/2	46	KEEL, Bar, depth and thickness	Flat Plate Keel	
Do. in peaks	6	3 1/2	36	6	3 1/2	36	STEM, moulding and thickness	10 1/2 x 2 3/4	10 1/2 x 2 3/4
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	STERN-POST for Rudder do. do. Cast Steel	13	13 See Plan
Spacing of Frames from centre to centre amidships	26			26			" " for Propeller Cast Steel	Special bracket	
" length to collision bulkhead	26			26			RUDDER-A x D Table 22 125 x 3 1/2 = 453		
" of Frames from centre to centre in peaks	24			24			" Main Piece, diameter at head	12	12
REVERSED FRAME, Angles 3 x 3 1/2 x 3 1/2	5 1/2	3 1/2	46	5 1/2	3 1/2	46	" " at heel	9	9
FRAMING, depth of girder	8	8		8	8		RUDDER, how constructed	Forging and single plate	
FLOORS, depth and thickness of Floor Plate at mid-line for 1 length amidships							Can the Rudder be unshipped afloat?	Yes	
" in way of Engine and Boiler spaces							KEELSONS AND STRINGERS.		
" thickness at the ends of vessel							CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate		
" depth at 1/2 the half-bdth. as per Rule							" Rider Plate		
" height extended at the Bilges							" Flat Keel Plate Angles		
FLOORS & BRACKETS, in Cell Dble Bottoms state if flanged (top & bottom)	43		40	43		40	" Horizontal Plates on Floors	Cellular	
" spacing	26			26			" Angles or Bulb Angles		
CENTRE GIRDER, in Dbl. bottom, dpth & thickness	43		50	43		50	" Angle or Bulb Angles	Bottom	
" Angles, Top	3 1/2	3 1/2	50	3 1/2	3 1/2	50	SIDE KEELSONS, Number		
" Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	60	" Angles or Bulb Angles		
" to Floors 3 x 3 1/2 x 3 1/2	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" Plate above floors, for length		
SIDE GIRDERS, number and thickness	(2)		40	(2)		40	" Intercoastal Plate, for length		
" state if flanged (top & bottom)							" Attached to outside plating with Angle		
" Angles Vertical 3 1/2 x 3 1/2 x 40	3 1/2	3 1/2	40	3 1/2	3 1/2	40	BILGE KEELSON, Angles		
MARGIN PLATE, depth (exclusive of flange) and thickness	36		48	33		48	" Intercoastal Plate, for length		
" Angles to outside plating	4	4	48	4	4	48	" Attached to outside plating with Angle		
" to floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	SIDE STRINGERS, Number	(2)	
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	48		50	48		50	" Angle	6 1/2	3 1/2
" thickness in Engine and Boiler space	E 48 1/2		8 1/2	E 48 8		53	" Intercoastal Plate, for full lng.	3 1/2	3 1/2
" Remainder in Holds	40		46	40		46	" Attached to outside plating with Angle	3 1/2	3 1/2
BEAMS, Awning or Shelter Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 x 3 1/2 x 3 1/2		56 W	8 x 3 1/2 x 3 1/2		54	Awning or Shelter Deck Stringer Plates, breadth and thickness	6 1/2	3 1/2
" Angles on upper edge	52			52			" Angle on ditto	5 x 5	58
" Spacing	52			52			" Tie Plates, fore and aft, outside Hatchways	40 x 6 3/4	36 1/2
BEAMS, Upper or Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 x 3 1/2 x 3 1/2		56 W	8 x 3 1/2 x 3 1/2		54	" Deck * Iron or Steel, for full lng.	40 x 6 3/4	36 1/2
" Angles on upper edge	52			52			" Wood Deck, Material & thickness	2 1/2	2 1/2
" Spacing	52			52			Upper or Second Deck Stringer Plate, breadth and thickness	7 1/2	44
BEAMS, Third or Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	11 x 3 1/2 x 3 1/2		50 W	11 x 3 1/2 x 3 1/2		52	" Angles on ditto, No.	3 1/2 x 3 1/2	48
" Angles on upper edge	52			52			" Tie Plates, outside Hatchways	36 x 30	36 x 30
" Spacing	52			52			" Deck * Iron or Steel, for full lng.	3 P.P.	3 P.P.
BEAMS, Fourth or Fifth Deck, Plate, Tee Bulb or Channel							" Wood Deck, Material & thickness	60	44
" Angles on upper edge							Third Deck Stringer Plates, br'dth & thck'ns	3 1/2 x 3 1/2	48
" Spacing							" Angles on ditto, No.	3 1/2 x 3 1/2	48
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 x 3 1/2 x 3 1/2		52	8 x 3 1/2 x 3 1/2		50	" Tie Plates, outside Hatchways	36 x 30	36
" Angles on upper edge	52			52			" Deck * Material and thickness	3 x 2 1/2 P.P.	3 x 2 1/2 P.P.
" Spacing	52			52			Fourth and Fifth Deck Stringer Plate, breadth and thickness		
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 x 3 1/2 x 3 1/2		52	8 x 3 1/2 x 3 1/2		50	" Angles on ditto, No.		
" Angles on upper edge	52			52			" Tie Plates, outside Hatchways		
" Spacing	52			52			" Deck, Material and thickness		
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 x 3 1/2 x 3 1/2		52	8 x 3 1/2 x 3 1/2		50	Poop Deck Stringer Plate, breadth & thickness		
" Angles on upper edge	52			52			" Angles on ditto		
" Spacing	52			52			" Tie Plates		
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 x 3 1/2 x 3 1/2		52	8 x 3 1/2 x 3 1/2		50	" Deck, Material and thickness		
" Angles on upper edge	52			52			Bridge Deck Stringer Plate, br'dth & thickness	7 1/2	48
" Spacing	52			52			" Angle on ditto	4 1/2 x 4 1/2	58
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 x 3 1/2 x 3 1/2		52	8 x 3 1/2 x 3 1/2		50	" Tie Plates	36	36
" Angles on upper edge	52			52			" Deck, Material and thickness	2 1/2 x 2 1/2	2 1/2
" Spacing	52			52			Forecastle Deck Stringer Plate, br'dth & th'kns		
PILLARS, in 'tween Deck, size and spacing	5 x 0 2 1/2		17 2 1/2	2 1/2 x 2 1/2			" Angle on ditto		
" Hold	4 1/2 x 4 1/2			4 1/2 x 4 1/2			" Tie Plates		
" Quarter, 'tween Dks., " "							" Deck, Material and thickness		
" in Hold							BULKHEADS.		
WEB FRAMES, in Fore Body, No. and spacing	9	5 1/2		9	5 1/2		Number.		
" No. of Side Stringers	24	18		30	18		In Vessel.		
WEB FRAMES, in E. & B. Space, No. & spacing	9	5 1/2		9	5 1/2		Per Rule.		
" br'dth & thickness	24 x 18		40	30 x 18		40	Thickness.		
WEB FRAMES, in After Body, No. and spacing	9	5 1/2		9	5 1/2		STIFFENERS.		
" br'dth & thickness	24 x 18		40	30 x 18		40	Horizontal.		
" No. of Side Stringers	24	18		30	18		Size.		
" Size of Face Angles to Web Frames	6 x 4 x 7		Single	6 x 4 x 7		Single	Spacing.		
BRACKET PLATES to Stringers between Web Frames, depth and thickness							Size.		

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

W. T. BULKHEADS 7 7 36 30

COLLISION " 36 30

PARTITION " 36 30

LONGITUDINAL " 36 30

Are the outside Plates doubled two spaces of Frames in length? *Yes*

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







Floors and afterwards replaced

C Streak Starb side Nos 10-11 & 12 renewed

D Streak Starb side Nos 7, 8 & 9 renewed

E Streak No 9 and D No 6 relieved to facilitate removal of other plates

F Streak No 8 removed to unship coal and afterwards refilled

Centre girder plates 237 feet renewed, Centre girder bottom bars 480 feet

renewed Centre girder vertical angles 96 off & failed 19 removed & refilled

Floor plates 42 plates renewed on Starb side

12 do removed failed and replaced Starb side

26 do failed in place on port side

10 do do do on Starb side

42 do Cropped and part renewed on Starb side

Frame bottoms 8 bars renewed on Starb side

42 do removed failed and replaced Starb side

6 do do do do on port side

38 do failed in place on port side

22 do on Starb side failed in place

32 do on Starb side Cropped and part renewed

Intercostals 6 on Port side and 146 on Starb side removed and refilled

do bottom angles of outside tier of intercostals under engine doubled

do 3 additional fitted each side at aft end of engine room

Waterballast tanks retested bottom recoated where disturbed and outside of hull recoated all new and disturbed work recoated

Damage while entry dock on the 10<sup>th</sup> of June

One Shearstrake plate failed in place and fitted with small inside double hinges renewed on 2 coaling doors all on Starb side

On leaving the dry dock after repairs on the 3<sup>rd</sup> of August the vessel took a list to port breaking a number of the breast shores and indenting the plating very slightly in way of same, these small indentures were failed in place

The vessel was redocked on the 5<sup>th</sup> of August but no damage to bottom was found except 2 plates very slightly indented which it was not considered necessary to deal with

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