

3 Decks.

IRON OR STEEL STEAMER.

SAT. 29 SEP 1806

Received at London Office

Date of completion of report

Survey held at

On the

TONNAGE under

Tonnage Deck...

Do. between Tonnage Dk.

and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of

Engine Room

Loss Tonnage

as Crew Space

as above Crown of

Engine Room

TONNAGE FOR FEES

as Engine Room

as Navigation Spaces

Register Tonnage

as cut on Beam

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

Port of

Date, First Survey

Rig

Master

Year of appointment

Built at

When built

By whom built

Owners

Managers

Residence

Port belonging to

If Surveyed while Building, Afloat, or in Dry Dock

LENGTH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
as per Rule	447	11 1/2	Moulded	56	0	Do. do. do. do.	Main Dk. Beams	29	9	Two

Dimensions of Ship per Register, Length 450.25 breadth 56.4 depth 29.6 Moulded depth, ft. 32 ins. 8 To Upper Dk. Round of Upper Dk. Beam, Actual 13 1/4 ins.

FRAMING.				FORGINGS or CASTINGS.			
	Inches in Ship	Inches in Ship	Inches in Ship		Inches in Ship	Inches in Ship	Inches in Ship
NAME, Angles, or L, E or L Bars for 3 length amidships	7 3/2	10 1/2	7 3/2	KEEL, Bar or Side Plates, depth and thickness	4 flat plate		
Do. for 1/2 at each end	7 3/2	9 1/2	7 3/2	STEM, moulding and thickness	12 x 3 1/4	12 x 3 1/4	
Do. in way of Double Bottoms at Solid Floors	3 1/2	5 1/2	10 1/2	STERN-POST for Rudder do. do.	13 1/2 x 7 3/4	12 1/2 x 7 3/4	
" " at intermdt. Bkts.				" for Propeller	13 1/2 x 7 3/4	12 1/2 x 7 3/4	
stance of Frames from moulding edge to moulding edge, all fore and aft	26		26	MAIN PIECE of Rudder, diameter at head	10 1/2	10 1/2	
EVERSED FRAME, Angles	8 3/2	10 1/2	8 3/2	" do. at heel	8	8	
DEEP FRAMING, depth of girder	11 1/2		11 1/2	RUDDER, how constructed	Single plate		
LOORS, depth and thickness of Floor Plate at mid-line for 3 length amidships				Can the Rudder be unshipped afloat?	Yes.		
" in way of Engines and Boilers				KEELSONS & STRINGERS.			
" thickness at the ends of vessel				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
" depth at 3/4 the half breadth, as per Rule				" Rider Plate			
" height extended at the Bilges				" Bulb Plate to Intercoastal Keelson			
LOORS & BRACKETS in Cell Dble Bottoms	48	9 1/2	48	" Horizontal Plates on Floors			
" Distance apart	26		26	" Angles			
CENTRE GIRDER, in Double bottom, depth and thickness	48	12 1/2	48	SIDE KEELSON, Angles			
" Angles, Top	4 4	11 1/2	4 4	" Bulb or Plate above floors, for lng.			
" " Bottom	5 5	12 1/2	5 5	" Intercoastal Plate, for length			
SIDE GIRDERS, number on each side & thickness	2	9 1/2	2	" Attached to outside Plating with Angle			
" Angles	3 1/2	3 1/2	9 1/2	BILGE KEELSON, Angles			
MARGIN PLATE, depth (exclusive of flange) and thickness	4 1/2	11 1/2	4 1/2	" Bulb or Plate above floors, for lng.			
" Angles to Outside Plating	4 4	11 1/2	4 4	" Intercoastal Plate for length			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	48	11 1/2	48	" Attached to outside Plating with Angle			
" " in Engine and Boiler space				BILGE STRINGER Angles			
" " Remainder in Holds				" Bulb Plate for length			
BEAMS, Upper Deck, Single Angle, Bulb, Angle, Plate or Tee Bulb, Channel	7 x 3 1/2 x 3 1/2	11 1/2	7 x 3 1/2 x 3 1/2	" Intercoastal Plate for length			
" Angles on upper edge	26		26	" Attached to outside Plating with Angle			
" Average space	8 x 3 1/2 x 3 1/2	11 1/2	8 x 3 1/2 x 3 1/2	3 SIDE STRINGERS Angles	6 1/2	4 1/2	15 1/2
BEAMS, Middle Deck, Single Angle, Bulb, Angle, Plate or Tee Bulb, Channel	8 x 3 1/2 x 3 1/2	11 1/2	8 x 3 1/2 x 3 1/2	" Bulb or Intercoastal Plate, for full lng.	10 1/2	10 1/2	10 1/2
" Angles on upper edge	26		26	" Attached to outside plating with Angle	3 1/2	3 1/2	10 1/2
" Average space				Upper Deck Stringer Plates, br'dth & thickness	69	17	69
BEAMS, Lower Deck, Single Angle, Bulb, Angle, Plate or Tee Bulb				" Angle on ditto	4 x 4	9 1/2	4 x 4
" Angles on upper edge				" Tie Plates fore and aft, outside Hatchways	5 x 5	11 1/2	5 x 5
" Average space				" Deck * Iron or Steel, for full lng.	10 1/2	10 1/2	10 1/2
BEAMS, Hold, or Orlop, Plate or Tee Bulb				" Wood Deck. Material & thickness	Teak	3"	3"
" Angles on upper edge				Middle Deck Stringer Plate, br'dth & thickness	69	11 1/2	69
" Average space				" Angles on ditto, No. 2	4 x 4	9 1/2	4 x 4
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	8 x 3 1/2 x 3 1/2	11 1/2	8 x 3 1/2 x 3 1/2	" Tie Plates outside Hatchways			
" Angles on upper edge	52		52	" Diagonal Tie Plates on Bms., No. of prs.			
" Average space				" Deck * Iron or Steel, for full lng.	10 1/2	10 1/2	10 1/2
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	9 x 3 1/2 x 3 1/2	12 1/2	9 x 3 1/2 x 3 1/2	" Wood Deck. Material & thickness			
" Angles on upper edge	52		52	Lower Deck Stringer Plate, br'dth & thickness			
" Average space				" Angles on ditto, No.			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	9 x 3 1/2 x 3 1/2	12 1/2	9 x 3 1/2 x 3 1/2	" Tie Plates, outside Hatchways			
" Angles on upper edge	52		52	" Deck * Material and thickness			
" Average space				Hold, or Orlop Stringer Plate, br'dth & thckn's			
PILLARS, In 'tween Deck, size and spacing				" Angles on ditto, No.			
" Hold				" Tie Plates outside Hatchways			
" Quarter 'tween Dks.,	3 1/8	52	3 1/8	" Deck. Material and thickness			
" in Hold	5	52	5	Poop Deck Stringer Plate, breadth & thickness			
WEB-FRAMES, In Fore Body, No. and spacing				" Angle on ditto	4 x 4	8	4 x 4
" No. of Side Stringers	22	10	22	" Tie Plates	18	8	18
WEB-FRAMES, In E. & B. Space, No. and spacing				" Deck. Material and thickness	Teak	2 1/2	2 1/2
" br'dth. & thickness				Bridge Deck Stringer Plate, br'dth & thickness			
WEB-FRAMES, In After Body, No. and spacing				" Angle on ditto	5 x 5	12 1/2	5 x 5
" br'dth. & thickness				" Tie Plates	9	9	9
" No. of Side Stringers	6 1/2	4 1/2	15	" Deck. Material and thickness	Teak	2 1/2	2 1/2
" Size of Angles or Tee Bars to Web-Frames				Forecastle Deck Stringer Plate, br'dth & th'kns			
BRACKET PLATES to Stringers between Web Frames, depth and thickness				" Angle on ditto	4 x 4	9	4 x 4
				" Tie Plates	18	8	18
				" Deck. Material and thickness	Teak	3"	3"

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		Single or Double.	Breadth of Lap.	RIVETS.	Double or Triple and for what Length.	RIVETS.	STRAPS.		IF LAPPED.					
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.						Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.		
FLAT PLATE KEEL.....	46	23	15	15	46	23-18	Sgl.	6 3/4	1 1/2	4 1/2	Sgl.	1 1/2	4	2 1/2	16-15				
GARBOARD OR A STRAKE...	52	16	14	14	52	16-14	"	6	1	3 5/7	Quad.	1	3 1/2	19	20				
State actual thickness in way of Doubt Bottom.	B	14	11	15		14-11	"	"	"	"	"	"	"	"	14	22			
C	12	11	11			13-10	"	5 1/4	7/8	3 1/4	"	7/8	3 1/2		12	"			
D	13	11	16			14-11	"	"	"	"	"	"	"		"	"			
E	13	10	16			13-10	"	"	"	"	"	"	"		"	"			
F	14	11	15			14-11	"	"	"	"	"	"	"		14	"			
G	13	10	13			13-10	"	"	"	"	"	7/8	3 1/2		12	"			
H	14	11	14			14-11	"	"	"	"	"	1	4		14	"			
J	13	10	13			13-10	"	"	"	"	"	7/8	3 1/2		12	"			
K	14	11	14			14-11	"	6	1	3 5/7	"	1	4		14	"			
L	17 1/2	10	11			17-10	"	6 3/4	1 1/2	4 1/2	"	1	4		14	"			
Shamstrake M	60	20 1/2	11	11	60	20-11	"	6	1	3 5/7	Sgl.	1 1/2	4	2 1/2	14-13				
N	14	9	9			14-9	"	6	1	3 5/7	Quad.	1	4		14	"			
O	16	9	9			16-9	"	"	"	"	"	"	"		"	"			
P																			
Q																			
R																			
DOUBLING OF PLATE KEEL	A. 13-14 in way of Bridge																		
Length and thickness of Bilges.	Increased in length																		
Length and thickness of Sheerstrakes.	17 as per profile																		
Length and thickness of Strake below.	17																		
POOP SIDES	9						Sgl.	2 1/2	3/4	3 1/4	Sgl.	3/4	2 5/8		5	Full			
BRIDGE SIDES	14-16						Sgl.	6	1	3 5/7	Quad.	1	4		14	"			
FORECASTLE SIDES	9						Sgl.	2 1/2	3/4	3 1/4	Sgl.	3/4	2 5/8		6	"			

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. *Siemens Martin, Open Hearth*

Steel of Scotland, Dorman Long & Co. Glasgow

Steel of South Durham, D. & C. A. & Co. Newcastle-on-Tyne

Steel of Downland Cardiff Works, Palmer & Sons, Ltd. Cardiff

Has the Steel been tested as required by the Rules? *Yes, Colville & Sons.*

FRAMES extend in one length from *Centre girder* to *Marginal plate and from marginal plate to gunwale*

REVERSED FRAMES on floors and frames extend from *centre girder to marginal plate and from marginal plate to Upper Deck*

It is for 2 L amidships, to Main & Upper Decks alternately at ends. Alternately to Forecastle Deck and to 4 L amidships.

MASTS, SPARS, &c.

LOWER MASTS.	Fore	Main	Mizen	Material	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in Round.	ANGLES.		RIVETING.	
						At Partners.	Heel.	Head.	Heads.		Number.	Size.	Scams.	Butts.
Fore	Steel	92	25 x 1 1/2	24 x 1 1/2	19 x 1 1/2	9 x 1 1/2	2	3	5 x 3 1/2	Single	Sgl. & Dbl.			
Main	Steel	94-6	20	20	20	20	3	5	5 x 3 1/2	Single	Sgl. & Dbl.			
Mizen	Steel	94-6	20	20	20	20	3	5	5 x 3 1/2	Single	Sgl. & Dbl.			

Bowsprit

Topmasts, Yards and Remainder of Spars *Pick Pine*

Rigging, Material and Size, Shrouds *Steel wire 1 1/2 & 1 1/2 dia.*

Sails, *One* Suit of *fore & aft* Sails, and the following spare sails *Steel wire 5/8 & 1/2 dia.*

EQUIPMENT No. *5747* LETTER *34* ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.		WEIGHT, PER CERTIFICATE.		WEIGHT REQUIRED BY TABLE 22.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwt.	qrs.	Cwt.	qrs.	Cwt.	qrs.			
57790	1st Bower	13	2 1/2	13	2 1/2	13	2 1/2	Hall's Cast Steel	H. Huxley & Son L.P.N. 31/8/06	
57788	2nd "	12	2 1/4	12	2 1/4	12	2 1/4	"	" 31/8/06	
57785	3rd "	11	2 1/4	11	2 1/4	11	2 1/4	"	" 31/8/06	
57781	4th "	10	2 1/4	10	2 1/4	10	2 1/4	"	" 31/8/06	
57781	Collective weight	208	0 8	208	0 8	208	0 8			
57781	Stream	26	2 2	26	2 2	26	2 2	Rodgers	" L.P.N. 31/8/06	
57791	Kedge	9	0 21	9	0 21	9	0 21	"	" 31/8/06	

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	WEIGHT OF CHAIN CABLE.		Fathoms.	Size.	Description.	Makers of Cables.	When and where tested, and Superintendent.
			Test per Certificate.	Per Table 22.					
410384	150	2 1/2	106 1/2	145-17	890-14	360 x 2 1/2	Steel	H. Huxley & Son L.P.N. 31/7/06	
410383	150	2 1/2	106 1/2	145-17	890-14	360 x 2 1/2	"	" 31/7/06	
Iron Stream (Chain or Steel Wire)	120	5	59			120 x 5			

HAWSERS AND WARPS.

Number of Certificate.	Fathoms.	Size.	WEIGHT OF CHAIN CABLE.		Fathoms.	Size.	Description.	Makers of Cables.	When and where tested, and Superintendent.
			Test per Certificate.	Per Table 22.					
410384	150	2 1/2	106 1/2	145-17	890-14	360 x 2 1/2	Steel	H. Huxley & Son L.P.N. 31/7/06	
410383	150	2 1/2	106 1/2	145-17	890-14	360 x 2 1/2	"	" 31/7/06	
Iron Stream (Chain or Steel Wire)	120	5	59			120 x 5			

Boats *6 Life Cutters & 2 Gigs*

Pumps, Number *10* 5 1/2" & 1 3/2" Diameter of Bore. State whether they are in efficient working order *Yes.*

Windlass is *Iron patent* Capstan

Engine Room Skylights—How constructed? *Steel plates*

What arrangements for deadlights in bad weather? *Steel shutters & dead lights*

Coal Bunker Openings—How constructed? *Steel coamings* How are lids secured? *Battened* Height above deck? *13"*

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *9 Scuppers & 9 Freeing Ports 20 x 1 1/2 each side*

Ceiling in Holds, thickness and material. *2 1/2 W.P.* Ceiling 'tween Decks, thickness and material *2" W.P.*

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

State size No. 1 Hatch (Forward) *19-4 x 14* No. 2 Hatch *26 x 10-6* No. 3 Hatch *26 x 14* No. 4 Hatch *19-4 x 14*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. *284 2 Webs & 3 Beams.*

No. of Breasthooks *8* No. of Crutches *3 & 4 Deck floors.*

Bulwarks, height above deck and description *43" 1/2 dia plate* Main Rail, material and size *Steel Rail Angle 6 x 4*

The above is a correct description. *W. W. MAN, BARK & CO., LIMITED,* Surveyor's Signature *E. J. Grillon* Surveyor to Lloyd's Register of British and Foreign Shipping.

Builder's Signature (here only) *R. Tucker* SECRETARY

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

M 28.05. 11.8.05 29.9.05 12.10.05 10.11.05 15.11.05 1.5.06.

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed and lapped.*

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 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. 23, par. 24)? *Yes* State results of tests *Satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *Yes* State results of tests *Satisfactory*

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

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *42.5* ft., R.Q.D. or Break *ft.*, Bridge Dk. *39.5* ft., F'castle *29.2* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *not joined*

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 (4-Teaks) and deep framing*

Official No. *234*; Signal Letters.

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 *Cell & Dks.*

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft.	123.6	365			
Double bottom, under Engines and Boilers,	84.6	358			
Double bottom, if under Engines only,					
Double bottom, if under Boilers only,					
Double bottom, forward.	177.8	520			

* 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. *504*

Date *9 Nov 1905*

No. *234* in builder's yard.

DATES OF SURVEYS held while building

1905 Oct 11 13 17 20 24 30 Nov 3 6 8 10 14 16 23 28 Dec 1 7 12 15 19 21 22 1906 Jan 2 4 9 17 26 30 Feb 1 9 15 16 24 28 Mar 2 6 8 13 19 26 29 April 4 9 10 13 15 30 May 1 10 14 16 18 21 22 25 28 30 June 5 8 11 13 18 20 22 26 29 July 2 3 10 13 19 24 26 30 Aug 1 3 8 9 13 14 15 16 28 31 Sep 3 4 6 7 12 14 18 19

Total No. of Visits *91*

The amount of Entry Fee.....£ *5: 0: 0* Fees applied for, *26/9 1905*

Special Survey Fee.....£ *4: 7: 0* Received by me, *29.9.05*

Travelling Expenses, if any £ *:*

State whether the Vessel has been built under Special Survey *Yes.*

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

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

Committee's Minute *TUES. OCT 2 1906*

Character assigned *100 A. 1. Steel*

Lloyd's at 100 + time 9.06

Surveyor to Lloyd's Register of British and Foreign Shipping. *E. J. Grillon*

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