

3 Decks.

IRON OR STEEL STEAMER.

Received at London Office **WED. 12 JUL 1905**

Date of completion of report **5th July 1905** State if Report is also sent on the Machinery of the Vessel **Yes**
 Survey held at **Middlesbrough** Port of **Middlesbrough** No. **4169**
 Date, First Survey **Feb 22nd 1905** Last Survey **4th July 1905**
 On the **Screw Steamer "Hinnwood"** Rig **Schooner**

TONNAGE under Tonnage Deck...
 Do. between Tonnage Dk. and 3rd and 4th Dk. **2848.82**
Total under Upper Dk. 2848.82
 Do. of Poop
 Do. of Bridge House
 Do. of Forecastle **44.44**
 Do. of Houses on Dk. **78.04**
 Do. of excess of Hatchways **28.39**
 Do. above Crown of Engine Room **48.88**
Gross Tonnage 3048.57
 Space **85.90**
 Crown of Boom **48.88**
OR FEES.. 2918.79
 Room **975.54**
 tion Spaces **34.39**
Tonnage 1952.74
 Beam ..

THREE DECKED VESSEL.
CLASS * 100 A1.
Half Breadth (moulded) 23.37
Depth from upper part of Keel to top of Upper Deck Beams 25.29
Girth of Half Midship Frame (as per Rule) 45.08
 deduct 7 feet. **7.00**
1st Number 86.74
Length on deck from after part of stem to fore part of stern post 328.29
2nd Number 28475.87
Proportions—Breadth to Length 7.02
Depth to Length—Upper Deck to top of Keel 12.98
Main Deck ditto 17.94
Destined Voyage Cardiff If Surveyed while Building, Afloat, or in Dry Dock **Yes**

Master Tulloch
Year of appointment (1) As Master in service of owner of present vessel—**1905**
 (2) As Master of this vessel—**1905**
Built at Middlesbrough
When built 1905-7 Launched **6th June 1905**
By whom built R. Craggs & Sons Ltd
Owners Constantine & Pickering Steamship Co
Managers do.
Residence Middlesbrough
Port belonging to Middlesbrough

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** **One**
 Rule **328 3/4** Moulded **46 9** Do. do. do. do. Main Dk. Beams **13 11 1/2** No. of Tiers of Beams **28** **ARCHED WEBS.**
 of Ship per Register, Length **330.82** breadth **47** depth **22.2** Moulded depth, ft. **24** ins. **4** To Upper Dk. Round of Upper Dk. Beam, Actual **15** ins.

FRAMING.				FORGINGS or CASTINGS.			
Inches in Ship	Inches in Ship	Inches in Ship	Inches per Rule Or as Appro.	Inches in Ship	Inches in Ship	Inches per Rule Or as Appro.	Inches per Rule Or as Appro.
Angles, or L or Bars for 1/2 length amidships	8 3/4	11 8	3/4 11	KEEL, Bar or Side Plates, depth and thickness	Flat	Plate	
at each end	10	10	10	STEM, moulding and thickness	10 1/2 x 2 3/4	10 1/2 x 2 3/4	
Way of Double Bottoms at Solid Floors	3 1/2 3 1/2	9.8 3 1/2	3 1/2 9.8	STERN-POST for Rudder do. do.	11 x 6	11 x 6	
of Frames from moulding edge to edge, all fore and aft	24	24	24	for Propeller	11 x 6	11 x 6	
ED FRAME, Angles	3 1/2 3 1/2	9 4	3 1/2 8	MAIN PIECE of Rudder, diameter at head	8 1/2	8 1/2	
FRAMING, depth of girder	8	8	8	do. at heel	6 1/2	6 1/2	
depth and thickness of Floor Plate at mid-line for 1/2 length amidships	6	6	6	RUDDER, how constructed <i>Cast Steel - Built - Single plate 2 1/2</i>			
Way of Engines and Boilers	8 1/2	8 1/2	8 1/2	Can the Rudder be unshipped afloat? Yes - Coupled at neck 6-2 1/2 bows			
Thickness at the ends of vessel	9	9	9	KEELSONS & STRINGERS.			
at 1/2 the half breadth, as per Rule	9	9	9	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
Right extended at the Bilges	9	9	9	„ Rider Plate			
& BRACKETS in Cell Dble Bottoms	40	40	40	„ Bulb Plate to Intercoastal Keelson			
Distance apart	24	24	24	„ Horizontal Plates on Floors			
GIRDER, in Double bottom, depth and thickness	40	12 10.8	40 12 10.8	„ Angles			
„ Angles, Top	4 4	11.9 4	4 11.9	SIDE KEELSON, Angles			
„ Bottom	4 4	13.11 4	4 13.11	„ Bulb or Plate above floors, for lng.			
RDERS, number on each side & thickness	one	8 one	8	„ Intercoastal Plate, for length			
„ Angles	3 1/2 3 1/2	9.7 3 1/2	3 1/2 9.7	„ Attached to outside Plating with Angle			
PLATE, depth (exclusive of flange) and thickness	3 1/2 3 1/2	11.9 3 1/2	11.9	BULGE KEELSON, Angles			
„ Angles to Outside Plating	3 1/2 3 1/2	9 3 1/2	3 1/2 9	„ Bulb or Plate above floors, for lng.			
BOTTOM PLATING, breadth and thickness of Middle Line Strake	40	11.9 40	11.9	„ Intercoastal Plate for length			
„ in Engine and Boiler space	9 1/2	9 1/2	9 1/2	„ Attached to outside Plating with Angle			
„ Remainder in Holds	7.87	7.87	7.87	SIDE STRINGER Angle			
Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 3/4	10 8	3 10	„ Bulb Plate for length	6 4	9 6 4 9	
Angles on upper edge	9 3/4	12 9	3 12	„ Intercoastal Plate for full length			
Average space	24	24	24	„ Attached to outside Plating with Angle	3 1/2 3 1/2	7 3 1/2 3 1/2	7
Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	12	11 12	11	Upper Deck Stringer Plates, br'dth & thickness	4 7 4 3	10.8 4 7 4 3	10.8
Angles on upper edge	6 4	9 6 4 9		„ Angle on ditto	4 4	12 11 4 4	12 11
Average space				„ Tie Plates fore and aft, outside Hatchways	8 7 4	8.7 8 7 4	8.7
Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb				„ Deck. * Iron or Steel, for full lng.	8 7 4	8.7 8 7 4	8.7
Angles on upper edge				„ Wood Deck. Material & thickness			
Average space				Middle Deck Stringer Plate, br'dth & thickness	70 40	10.8 70 40	10.8
Hold, or Orlop, Plate or Tee Bulb				„ Angles on ditto, No. 2	4 4	9.8 4 4	9.8
Angles on upper edge				„ Tie Plates outside Hatchways	4 4	10 4 4	10
Average space				„ Diagonal Tie Plates on Bms., No. of pres.			
Poep Deck, Angle, Bulb Angle, Plate or Tee Bulb	6 3	8 6 3 8		„ Deck. * Iron or Steel, for lng.			
Angles on upper edge	10 3 1/4	PILLARS.		„ Wood Deck. Material & thickness	9	9	9
Average space	24	24		Lower Deck Stringer Plate, br'dth & thickness			
Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	7 3	9 7 3 9		„ Angles on ditto, No.			
Angles on upper edge	10 3 1/4	PILLARS.		„ Tie Plates, outside Hatchways			
Average space	24	24		„ Deck. * Material and thickness			
Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	7 1/2 3	9 7 1/2 3 9		Hold, or Orlop Stringer Plate, br'dth & thckn's			
Angles on upper edge	3 ROWS 2 1/4	PILLARS.		„ Angles on ditto, No.			
Average space	48	48		„ Tie Plates outside Hatchways			
PILLARS, In 'tween Deck, size and spacing	2 1/2 x 2 1/4	48 2 1/2	48	„ Deck. Material and thickness			
„ Hold	3 1/4 x 4 1/2	3 1/4 4 1/2		Poep Deck Stringer Plate, breadth & thickness	3 5 1/2	6 3 5 1/2	6
„ Quarter 'tween Dks.				„ Angle on ditto	3 1/2 3 1/2	7 3 1/2 3 1/2	7
„ in Hold	4 3/8	96 4 3/8	96	„ Tie Plates			
WEB-FRAMES, In Fore Body, No. and spacing	6	6 1/2 x 6 1/2	6 6 1/2 x 6 1/2	„ Deck. Material and thickness	Iron	5 16	5 16
„ br'dth. & thickness	ONE	ONE	ONE	Bridge Deck Stringer Plate, br'dth & thickness	4 2	10 4 2	10
WEB-FRAMES, In E. & B. Space, No. & spacing	ONE	ONE	ONE	„ Angle on ditto	4 4	10 4 4	10
„ br'dth. & thickness	ARCHED 9	ARCHED 9		„ Tie Plates			
WEB-FRAMES, In After Body, No. and spacing	4 1/2 P. BH.	3 1/2 4 1/2 P. BH.	3 1/2	„ Deck. Material and thickness	Iron	5 16	5 16
„ br'dth. & thickness	ARCHED 9.8	ARCHED 9.8		Forecastle Deck Stringer Plate, b'dth & th'kns	26	6 26	6
„ No. of Side Stringers	TWO	TWO		„ Angle on ditto	3 1/2 3 1/2	7 3 1/2 3 1/2	7
BRACKET PLATES to Stringers between Web-Frames, depth and thickness	6 1/2 4 1/2	10.9 6 1/2 4 1/2	10.9	„ Tie Plates	12 1/2	6 11	6
				„ Deck. Material and thickness	P. PINE 5 x 3	5 x 3	

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS. RIVETING.

FLAT PLATE KEEL (If Bar Keel, state Riveting) GARBOARD OF A STRAKE State actual thickness in copy of Double Bottom.

DOUBLING OF Flat Plate Keel Length of Bilges of Sheerstrakes of Strake below POOP SIDES BRIDGE SIDES FORE-CASTLE SIDES

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.?

FRAMES extend in one length from REVERSED FRAMES on floors and frames extend

MASTS, SPARS, &c.

EQUIPMENT No. 33830. LETTER 0. ANCHORS.

CHAIN CABLES. HAWSERS AND WARPS.

Boats 3-1 Lifeboat 24' x 7'0" x 3'0" 1 Lifeboat 22' x 6'9" x 2'9" 1 Jolly boat 16' x 5'6" x 2'6"

Pumps, Number 1 Down to the bilge and 1 to the fore hold Diameter of Barrel 6" & 5"

Windlass is Remson, Walker & Thompsons Patent

Engine Room Skylights-How constructed? all steel

What arrangements for deadlights in bad weather? Bulls eyes.

Coal Bunker Openings-How constructed? B.A. casing How are lids secured? Tar paulins & battens Height above deck? 8"

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Scuppers:- 3 aft & 2 for F.P. 3 aft & 2 for 30" x 18"

Ceiling in Holds, thickness and material. 3 1/2" W.P. Ceiling 'tween Decks, thickness and material. 6" x 2" W.P.

Cargo Hatchways-How formed? Steel plates & bars Hatches, If strong and efficient? Yes - 3"

State size No. 1 Hatch (Forward) 24' x 16'4" x 42" No. 2 Hatch 24' x 17' x 19" No. 3 Hatch 9' x 14' x 19" No. 4 Hatch 24' x 17' x 19"

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 11 1-2-4-5-5 27 Webs

3 Wood fore & afters to each Hatchway No. of Breasthooks 2 No. of Crutches 2 & Dup floors.

Bulwarks, height above deck and description 4 1/2 x 7/8 Steel Main Rail, material and size 6 x 3 x 3/8 B.A.

The above is a correct description. R. CRAGGS & SONS LIMITED

Builder's Signature (here only) J. W. Sturdy Surveyor's Signature Wm. L. Gilman

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*) E 14-3-05.

M. 1905. Jan 26th, Feb 7 & 8th, Mar 10-16 & 27th, June 20th

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? Joggled plating 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.) Good.

This vessel has been built in accordance with the approved plans & in acc. (Midship Section forwarded to London 7/905), the Secretary's letters of the above dates and in general conformity with the Society's rules. The Collision bulkhead & tunnel tested as per rule with satisfactory results. Steam & Hand steering gears and Windlass tested under working conditions & found satisfactory. Deck stops fitted to quadrant. Freeboards marked on vessels' sides & verified.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 30 ft. P.O.D. or Bridge Dk. 166 ft. F'castle 302 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated - The Poop and Bridge are 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) 1. DK (Pl. IRN. R. STR.), 2. to B and arched webs.

Official No. 113910; Signal Letters _____

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

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

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>102</u>	<u>246</u>	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		<u>92</u>
Double bottom, if under Engines only,	<u>26</u>	<u>81</u>	Midship deep tank,		
Double bottom, if under Boilers only, <u>16'-0" NOT USED FOR BALLAST</u>			Other tanks, if fitted,		
Double bottom, forward,	<u>140</u>	<u>368</u>	(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 - Satisfactory

Order for Special Survey No. 677

Date 14-3-05

No. 199 in builder's yard.

DATES of Surveys held while building

1905 Feb 22-24 Mch 3-6-9-10-14-14-16-29-30 Apr 3-4-7-10-11-14-18-27 May 2-3-9-10-12-15-16-17-19-23-24-25-26 June 1-5-8-7-28-29-30 July 1-4

Total No. of Visits 40

The amount of Entry Fee £ 5 : 0 : 0

Special Survey Fee ... £ 97 : 17 : 0

Travelling Expenses, if any £ : :

Fees applied for,
Y. Y 1905
Received by me, RXL

Certificate to be sent to Middlesbrough Office.

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

I am of opinion this Vessel should be Classed 100 A1, Steel.

With or without Freeboard, as condition of Class _____

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

Committee's Minute

Character assigned 100 A1-SU)

Lloyd's Assoc + Lmc 7-05-

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