

1 or 2 Dks. & R. Q. Dk.
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

No. 49715

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

Date of completion of Report 22nd November 1905

Port of Newcastle on Tyne

Date, First Survey 19th April 1905

Last Survey 16th November 1905

Survey held at Shields

On the Blue screw steamer "TROJAN"

Rig Ketch

TONNAGE under Tonnage Deck... 123.84
Do. of Poop 15.83
Do. of Raised Or. 6.06
Do. of Bridge House 5.06
Do. of Forecastle 5.46
Do. of Houses on Deck 8.41
Do. of excess of Hatchways 164.96
Do. above Crown of Engine Room 15.38
Gross Tonnage 8.41
Less Crew Space 140.84
Less above Crown of Engine Room 45.24
Less Navigation Spaces 7.26
Register Tonnage as cut on Beam 67.05

ONE OR TWO DECKED VESSEL.
CLASS 100 A1.

Half Breadth (moulded) 9.45
Depth from upper part of Keel to top of Main Deck Bms. 8.89
Girth of Half Midship Frame (as per Rule) 17.0
1st Number 35.64
Length on deck from after part of stem to fore part of stern post 99.0
2nd Number 3528.36
Proportions—Breadths to Length 5.04
Depths to Length—Main Deck to top of Keel 11.1

Master
Year of appointment
Built at S. Shields
When built 1905 Launched 17th May 1905
By whom built Kepple Ho
Owners "Government of Southern Nigeria"
Managers
Residence
Port belonging to Calabar

Destined Voyage Calabar If Surveyed while Building, Afloat, & in Dry Dock Yes

LENGTH on Deck as per Rule 100 0 BREADTH—Moulded 19 6 DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams 4 9 No. of Decks with Flat laid one No. of Tiers of Beams one

Dimensions of Ship per Register, Length, 100.4 breadth, 19.60 depth, 4.4 Moulded Depth, 8 ft. 6 ins. Round of Beam, Actual 5 ins.

FRAMING.				FORGINGS AND CASTINGS.			
	Inches in Ship.	Inches in Ship.	20ths in Ship.		Inches in Ship.	Inches in Ship.	20ths in Ship.
FRAME, Angles, $2\frac{1}{2}$ x $2\frac{1}{2}$ Bars, for $\frac{1}{2}$ length amidships	$2\frac{1}{2}$	$2\frac{1}{2}$	5	KEEL, Bar or Side Plates depth and thickness	$7\frac{1}{4}$	$6\frac{1}{2}$	$1\frac{1}{2}$
Do. for $\frac{1}{2}$ at each end	$2\frac{1}{2}$	$2\frac{1}{2}$	5	STEM, moulding and thickness	$5\frac{3}{4}$	$5\frac{3}{4}$	$2\frac{1}{2}$
Do. in way of Double Bottoms at Solid Floors	$2\frac{1}{2}$	$2\frac{1}{2}$	5	STERN-POST for Rudder do. do.	$5\frac{3}{4}$	$5\frac{3}{4}$	$2\frac{1}{2}$
" " " at intermdt. Bkts.	$2\frac{1}{2}$	$2\frac{1}{2}$	5	" " for Propeller	$4\frac{1}{4}$	$4\frac{1}{4}$	$2\frac{1}{2}$
Spacing of Frames from centre to centre	20	20	20	MAIN PIECE of Rudder, diameter at head	$3\frac{1}{4}$	$2\frac{1}{4}$	3
REVERSED FRAME, Angles $2\frac{1}{4}$ x $2\frac{1}{4}$	$2\frac{1}{4}$	$2\frac{1}{4}$	5	do. at heel	$3\frac{1}{4}$	$2\frac{1}{4}$	3
DEPT FRAMING, depth of girder	$3\frac{1}{2}$	$2\frac{1}{2}$	6	RUDDER, how constructed	Single plate, Keyed & shouldered		
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	14	5	14	Can the Rudder be unshipped afloat?	Yes		
" " in way of Engines and Boilers	6	7	6	KEELSONS AND STRINGERS.	Inches in Ship.	Inches in Ship.	20ths in Ship.
" " thickness at the ends of vessel	5	5	5	CENTRE LINE KEELSON, Vertical Plate above	$18\frac{1}{2}$	5	$18\frac{1}{2}$
" " depth at $\frac{1}{2}$ the half breadth, as per Rule	Straight across (approved)			do. Through Plate, or Intercoastal Plate	$18\frac{1}{2}$	5	5
" " height extended at the Bilges	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Rider Plate	$18\frac{1}{2}$	5	5
FLOORS & BRACKETS, in Cell Dble Bottoms	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Bulb Plate to Intercoastal Keelson	$18\frac{1}{2}$	5	5
" " state if flanged (top & bottom)	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Horizontal Plates on Floors	$18\frac{1}{2}$	5	5
" " Spacing	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Angles	$18\frac{1}{2}$	5	5
CENTRE GIRDER, in Double Bottom, depth and thickness	$2\frac{1}{2}$	$2\frac{1}{2}$	6	SIDE KEELSON, Angles	$18\frac{1}{2}$	5	5
" " Angles, Top	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Bulb or Plate above floors for lng.	$18\frac{1}{2}$	5	5
" " Bottom	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Intercoastal Plate from $\frac{1}{2}$ length	$18\frac{1}{2}$	5	5
SIDE GIRDERS, number on each side & thickness	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Attached to outside plating with Angle	$18\frac{1}{2}$	5	5
" " state if flanged (top & bottom)	$2\frac{1}{2}$	$2\frac{1}{2}$	6	BILGE KEELSON, Angles	$18\frac{1}{2}$	5	5
" " Angles	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Bulb or Plate above floors for lng.	$18\frac{1}{2}$	5	5
MARGIN PLATE, depth (exclusive of flange) and thickness	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Intercoastal Plate for full length	$18\frac{1}{2}$	5	5
" " Angles to Outside Plating	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Attached to outside plating with Angle	$18\frac{1}{2}$	5	5
" " Floors	$2\frac{1}{2}$	$2\frac{1}{2}$	6	BILGE STRINGER Angles	$18\frac{1}{2}$	5	5
" " Height of Floors at the Bilges	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Bulb Plate for length	$18\frac{1}{2}$	5	5
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Intercoastal Plate for length	$18\frac{1}{2}$	5	5
" " thickness in Engine and Boiler space	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Attached to outside plating with Angle	$18\frac{1}{2}$	5	5
" " Remainder in Holds	$2\frac{1}{2}$	$2\frac{1}{2}$	6	SIDE STRINGER Angles	$18\frac{1}{2}$	5	5
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Bulb or Intercoastal Plate for lng.	$18\frac{1}{2}$	5	5
" " Angles on Upper Edge	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Attached to outside plating with Angle	$18\frac{1}{2}$	5	5
" " Spacing	$2\frac{1}{2}$	$2\frac{1}{2}$	6	Main and Raised Quarter Deck Stringer Plate, breadth and thickness	50	6	50
BEAMS, Hold, Plate or Tee Bulb	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Angle on ditto	3 x 3	6	3 x 3
" " Angles on Upper Edge	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Tie Plates, outside Hatchways	$3\frac{1}{2}$	6	$3\frac{1}{2}$
" " Spacing	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Diagonal Tie Plates on Bms., No. of Pairs	$3\frac{1}{2}$	6	$3\frac{1}{2}$
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Main Dk* Iron or Steel for full lng.	$3\frac{1}{2}$	6	$3\frac{1}{2}$
" " Angles on Upper Edge	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" R. Q. Dk* Iron or Steel for full lng.	$3\frac{1}{2}$	6	$3\frac{1}{2}$
" " Spacing	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Wood Deck, Material & thickness	$3\frac{1}{2}$	6	$3\frac{1}{2}$
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb	$2\frac{1}{2}$	$2\frac{1}{2}$	6	Lower Deck Stringer Plate, breadth and thickness	$3\frac{1}{2}$	6	$3\frac{1}{2}$
" " Angles on Upper Edge	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Angles on ditto, No.	$3\frac{1}{2}$	6	$3\frac{1}{2}$
" " Spacing	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Tie Plates, outside Hatchways	$3\frac{1}{2}$	6	$3\frac{1}{2}$
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Deck* Material and thickness	$3\frac{1}{2}$	6	$3\frac{1}{2}$
" " Angles on Upper Edge	$2\frac{1}{2}$	$2\frac{1}{2}$	6	Hold Stringer Plate	$3\frac{1}{2}$	6	$3\frac{1}{2}$
" " Spacing	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Angles on ditto, No.	$3\frac{1}{2}$	6	$3\frac{1}{2}$
STIFFENERS, In 'tween Decks, Size and Spacing	$2\frac{1}{2}$	$2\frac{1}{2}$	6	Poop Deck Stringer Plate, breadth & thickness	$3\frac{1}{2}$	6	$3\frac{1}{2}$
" " Hold	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Angle on ditto	$3\frac{1}{2}$	6	$3\frac{1}{2}$
" " Quarter, 'tween Dks., " "	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Tie Plates	$3\frac{1}{2}$	6	$3\frac{1}{2}$
" " in Hold aft	$2\frac{1}{2}$	$2\frac{1}{2}$	6	" Deck, Material and thickness	$3\frac{1}{2}$	6	$3\frac{1}{2}$
WEB FRAMES, In Fore Body, No. and Spacing	3	15 ft	3	Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness	$3\frac{1}{2}$	6	$3\frac{1}{2}$
" " Brdth. & Thickness	11	6	11	" Angle on ditto	$3\frac{1}{2}$	6	$3\frac{1}{2}$
" " No. of Side Stringers	11	6	11	" Tie Plates	$3\frac{1}{2}$	6	$3\frac{1}{2}$
WEB FRAMES, In E. & B. Space, No. & Spacing	3	15 ft	3	" Deck, Material and thickness	$3\frac{1}{2}$	6	$3\frac{1}{2}$
" " Brdth. & Thickness	11	6	11	Forecastle Deck Stringer Plate, brdth & thcknss	15 x 25	5	15
WEB FRAMES, In After Body, No. and Spacing	3	15 ft	3	" Angle on ditto	3 x 3	6	3 x 3
" " Brdth. & Thickness	11	6	11	" Tie Plates	4 x 2 1/2	6	4 x 2 1/2
" " No. of Side Stringers	11	6	11	" Deck, Material and thickness	4 x 2 1/2	6	4 x 2 1/2
" " Size of Angles to Web Frames	3 1/2	2 1/2	6	Are the outside Plates doubled two spaces of Frames in length?	Diamond shape		
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness	3 1/2	2 1/2	6	Are the Sluice Valves and Watertight Doors in efficient working order?	None		

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		Ordinary or Lapped?		RIVETS.		Double or Treble and for what Length.		RIVETS.		STRAFS.		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 (If Bar Keel, state Riveting)	45	8	8	6	45	8	Double	4 1/2	3/4	3 3/8	4 1/2	3/4	9 1/2	9-7	7 1/2	full			
GARBOARD OF A STRAKE	54	7	7	7	54	7	Single	2 1/2	"	"	"	"	"	"	5	"			
State actual thickness in way of Double Bottom.	48	7	5	5	46	7	"	"	"	"	"	"	"	"	"	"			
B "	52	6	5	5	52	6	Double	4 1/2	"	"	"	"	"	"	"	"			
C "	47	8	6	6	46	8	"	"	"	"	"	"	"	"	"	"			
D "																			
E "																			
F "																			
G "																			
H "																			
I "																			
J "																			
K "																			
L "																			
M "																			
N "																			
O "																			
P "																			
DOUBLING OF FLAT PLATE KEEL																			
Length and thickness of Bilges	20 ft	6 1/2																	
Length and thickness of Sheerstrakes																			
Length and thickness of Strake below																			
POOP SIDES		6		5															
RAISED QUARTER DE. SIDES																			
BRIDGE SIDES			6																
FORECASTLE SIDES																			
LENGTHS OF PLATING	6 spaces																		

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, outside Plating, &c. *South Durham Steel & Iron Co. Palmers Works*

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

Main Stringer Plate Butts, treble riveted for *full* length amidship. Straps, single, double or overlapped for *full* length amidship

Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? *Yes*

Inner Bottom Plating, riveting of Edges Butts *Yes*

Centre Girder Butts, riveted. Keelson Butts, riveted.

Frames, riveted through Plates with *3/4* in. Rivets, about *7* dia. apart.

Rivets, state whether of Iron or Steel *Iron*

FRAMES extend in one length from *Keel* to *gunwale* state if ordinary or *joggled* *Yes*

REVERSED FRAMES on floors and frames extend from *to upper turn of bilge* state if ordinary or *joggled* *Yes*

MASTS, SPARS, &c.											
	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS....	Fore	Pine	40-0	12 3/4							
	Main										
	Mizen.....										
Bowsprit	✓										
Topmasts, Yards and Remainder of Spars ✓											
Rigging, Material and Size, Shrouds 3 2 1 3/4 gals iron wire											
Sails, Stay sail & Masts by sails Suit of ✓											
Sails and the following spare sails none.											

Equipment No. 3742 Letter a										Tonnage U.Dk. or Plating No. for Trawlers									
ANCHORS.																			
Number of Certificate.	Anchors.	WEIGHT, EX STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 22.			Description of Anchor.	Makers.	Where and when tested and Superintendent.			
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.				lbs.		
6573	1st Bower ..	4	3	0				7	2	2	0	4	2	0	Imp. Martin Pat.	Shant 3/4 1/2 w/ Rely.			
6572	2nd " ..	4	2	21				7	2	2	0	4	1	0	"	"			
	3rd " ..																		
	Collective weight	9	1	21								8	3	0					
1	Stream		3	0									3	0					
1	Kedge		2	0									2	0					

CHAIN CABLES.														HAWSERS AND WARPS.							
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length & Size per Table 22.		Description.	Makers of Cables.	Where and when tested and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire Towline.	Length and Size per Table 22.					
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Table 22.	Length.	Diam.					Length.	Cir.		Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
38532	120	1/16	8.10.00	12.00	30	3.3	29.0.04	120	1/16	This kind Woodhouse Bros	Richmond 24/10/88	TOWLINE	75	5	} Manila	90	3				
												HAWSERS & WARPS	90	3		90	3				
Iron-Strains-Chain in new Steel Wire.	45	2	70.0.0					45	2	Head Haydon		"	"								

Boats *2, Lifeboats*

Pumps, Number *Two* Diameter of Barrel *4* State whether they are in efficient working order *Yes*

Windlass is *Emerson Walker Patent Hand with messenger* Capstan *Yes*

Engine Room Skylights.—How constructed? *Teak*

What arrangements for deadlights in bad weather? *Bulls Eyes*

Coal Bunker Openings.—How constructed? *Scuttle* How are lids secured? *locks* Height above deck? *flush*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *5 each side 4 each side 30 2-0 x 15 12 3-0 x 15*

Ceiling in Holds, thickness and material *2 1/2 white wood* Cargo Battens, thickness and material *2 white wood*

Cargo Hatchways.—How formed? *Shut plates rafter & T-shaped section* Hatches.—If strong and efficient? *Yes 3 thick*

State size No. 1 Hatch (Forward) *29' 9" x 11' 0"* No. 2 Hatch *Yes* No. 3 Hatch *Yes* No. 4 Hatch *Yes*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *3 web plates & 3 fore rafter*

No. of Crutches *Two* No. of Crutches *Two*

Bulwarks, height above deck and description *2' 9" Shit* Main Rail and Stays, material and size *6 x 3 B.B. 13 stay 6' apart*

The above is a correct description. *p-pro HEPPLE & CO. LTD* Surveyor's Signature *W.J. Hepple*

Builder's Signature (here only) *W.J. Hepple* 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 the case) *24/4/05 4/4/05 E 25/8/05*

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* 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? *Yes*

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *Yes (on lapped)*

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 plans as approved & otherwise in accordance with the Rules of this Society. The materials & workmanship are good.*

The approved Midship Section, Profile & Pumping plans are returned herewith.

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 Dk. *✓* ft., F'castle *✓* ft.

(in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. 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) *1 dk steel*

Official No. *550*; Signal Letters *None* State if Machinery is fitted aft *Yes*

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

Where fitted.	Length.		Water Capacity.	Where fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,				Fore peak tank,			
Double bottom, under Engines and Boilers,				After peak tank,			
Double bottom, if under Engines only,				Deep tank, aft,			
Double bottom, if under Boilers only,				Deep tank, forward			
Double bottom, forward,				Other tanks, if fitted,			
Total capacity				(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. *3685*

Date *17.2.05*

No. *550* in builder's yard

Dates of Surveys held while building *1905. Apr. 19. May. 18. 16. 18. 20. 20. June 3. 6. 15. 16. 22. July 7. 19. 20. 21. 22. 25. 26. Aug. 12. 11. 14. 16. 23. 24. 25. Sep. 7. 12. 19. 20. 26. 30. Oct. 9. 11. 14. 17. 21. Nov. 2. 9. 16*

Total No. of Visits *43*

The amount of Entry Fee *£ 1*

Special *£ 7*

Travelling Expenses, if any *£ 1*

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

I am of opinion this Vessel should be Classed *100 A1*

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

Certificate to be sent to *Manchester - Type*

Surveyor to Lloyd's Register of British and Foreign Shipping. *W.J. Hepple*

Committee's Minute *FRI. 24 NOV. 1905*

Character assigned *100 A1*

Lloyds a.s.b.P. + L.M.B. 10.03

W.J. Hepple

© 2021 Lloyd's Register Foundation