

3 Decks.

IRON OR STEEL STEAMER.

TUES. 17 DEC 1904

Date of completion of report 16th December 1904 Port of SUNDERLAND
Survey held at SUNDERLAND Date, First Survey 9th July 1904. Last Survey 11th December 1904
On the STEEL SCREW STEAMER "ZANONI" Rig SCHOONER

TONNAGE under
Tonnage Deck...
Do. between Tonnage Dk.
and 3rd and 4th Dk.
Total under Upper Dk. 3632.46

Do. of Poop
Do. of Bridge House 2.74
Do. of Forecastle 37.16
Do. of Houses on Dk.
Do. of excess of Hatchways 45.78
Do. above Crown of
Engine Room 52.56

Gross Tonnage 3843.75
Less Crew Space 90.13
Less above Crown of
Engine Room 52.56
TONNAGE FOR FEES. 3711.06

Less Engine Room 1230.00
Less Navigation Spaces 50.21
LESS WATER BALLAST SPACE 6.58
ALLOWED ABOVE CROWN MEAS. 52.56
Register Tonnage 2476.83
as out on Beam ...

THREE DECKED VESSEL.
CLASS 100 A.1.

Half Breadth (moulded) 24.60

Depth from upper part of Keel to top of Upper Deck Beams 28.93

Girth of Half Midship Frame (as per Rule) 49.85

deduct 7 feet 1

1st Number 95.88

Length on deck from after part of stem to fore part of stern post 344

2nd Number 32982.7

Proportions—Breadth to Length 6.99

Depth to Length—Upper Deck to top of Keel 11.9

Main Deck ditto

Destined Voyage COLOMBO

Master G. SUTTON

Year of appointment (1) As Master in service of owner of present vessel—1887 (2) As Master of this vessel—1907

Built at SUNDERLAND

When built 1907 Launched Nov. 19th 1907

By whom built MESS^{rs} J. L. THOMPSON & SON

Owners MESS^{rs} TURNER, BRIGHTMAN & CO.

Managers 2^o D^o

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

Residence LONDON

Port belonging to D^o

LENGTH on Deck as per Rule 344 0 BREADTH—Moulded 49 2 2 DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams 25 4 4 No. of Decks with flat laid ONE No. of Tiers of Beams TWO

Dimensions of Ship per Register, Length 346 breadth 49.5 depth 25.35 Moulded depth, ft. 27 ins. 11 1/2 To Upper Dk. Round of Upper Dk. Beam, Actual 11 3/4 ins.

FRAMING. Inches in Ship. Inches in Ship. 20ths in Ship. Inches per Rule Or as Appro. Inches per Rule 20ths in Ship. Inches per Rule Or as Appro. Inches per Rule 20ths in Ship. Inches per Rule Or as Appro.

FRAME, Angles, or L, E or L Bars for 1/2 length amidships 9 3 1/2 11 9 3 1/2 11 Do. for 1/2 at each end 9 3 1/2 10 9 3 1/2 10 Do. in way of Double Bottoms at Solid Floors 3 1/2 3 1/2 10 3 1/2 3 1/2 10 at intermdt. Bkts. 6 3 1/2 10 6 3 1/2 10 Spacing of Frames from centre to centre 25 25

REVERSED FRAME, Angles 3 1/2 3 1/2 8 1/2 3 1/2 3 1/2 8 1/2 DEEP FRAMING, depth of girder 9 9

FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships 8 1/2 8 1/2 in way of Engines and Boilers 10 10 thickness at the ends of vessel 50 25 50 25 depth at 1/2 the half breadth, as per Rule height extended at the Bilges 43 10 43 10

FLOORS & BRACKETS in Cell Dble Bottoms state if flanged (top & bottom) 3 1/2 3 1/2 10 3 1/2 3 1/2 10 Spacing 4 3 4 3

CENTRE GIRDER, in Double bottom, depth and thickness 3 1/2 3 1/2 10 3 1/2 3 1/2 10 Angles, Top 4 1/2 4 1/2 12 4 1/2 4 1/2 12 Bottom 4 1/2 4 1/2 12 4 1/2 4 1/2 12

SIDE GIRDERS, number on each side & thickness THREE 8 1/2 THREE 8 1/2 state if flanged (top and bottom) 3 1/2 3 1/2 10 3 1/2 3 1/2 10 Angles 3 1/2 3 1/2 8 1/2 3 1/2 3 1/2 8 1/2

MARGIN PLATE, depth (exclusive of flange) and thickness 3 1/2 3 1/2 10 3 1/2 3 1/2 10 Angles to Outside Plating 3 1/2 3 1/2 8 1/2 3 1/2 3 1/2 8 1/2 Floors 72 72 Height of Floors at the Bilges 53 10 53 10

INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake 11 3 1/2 16 11 3 1/2 16 in Engine and Boiler space 9 9 Remainder in Holds 13 11 13 11

BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb 6 4 9 6 4 9 Spacing 50 50

BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb 5 3 8 5 3 8 Spacing 24 25 24 25

BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb 7 3 9 7 3 9 Spacing 25 25

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb 8 8 8 8 Spacing 48 50 48 50

PILLARS, In 'tween Deck, size and spacing 6 4 4 8 6 4 4 8 Hold 7 3 3 11 7 3 3 11 Quarter 'tween Dks. 5 5

WEB-FRAMES, In Fore Body, No. and spacing 5 5 breadth & thickness ONE ONE

WEB-FRAMES, In E. & B. Space, No. & spacing 14 14 breadth & thickness ONE ONE

WEB-FRAMES, In After Body, No. and spacing 6 1/2 4 1/2 10 6 1/2 4 1/2 10 No. of Side Stringers 6 1/2 4 1/2 10 6 1/2 4 1/2 10 Size of Angles or Tee Bars to Web-Frames 6 1/2 4 1/2 10 6 1/2 4 1/2 10

BRACKET PLATES to Stringers between Web-Frames, depth and thickness

FORGINGS or CASTINGS.

KEEL, Bar or Side Plates, depth and thickness FLAT PLATE KEEL 2 1/2

STEM, moulding and thickness 11 x 2 1/2 11 x 2 1/2

STERN-POST for Rudder do. do. 11 x 6 1/4 11 x 6 1/4 for Propeller 9 9

MAIN PIECE of Rudder, diameter at head 6 3/4 6 3/4 do. at heel 6 3/4 6 3/4

RUDDER, how constructed FORGING WITH SINGLE PLATE

Can the Rudder be unshipped afloat? YES

KEELSONS & STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate

Rider Plate

Bulb Plate to Intercoastal Keelson

Horizontal Plates on Floors

Angles

SIDE KEELSON, Angles

Bulb or Plate above floors, for length

Intercoastal Plate, for length

Attached to outside Plating with Angle

BULGE KEELSON, Angles

Bulb or Plate above floors, for length

Intercoastal Plate, for length

Attached to outside Plating with Angle

SIDE STRINGER Angles

Bulb or Intercoastal Plate, for length

Attached to outside plating with Angle

Upper Deck Stringer Plates, br'dth & thickness 72 9 72 9

Angle on ditto 4 1/2 x 4 1/2 11 4 1/2 x 4 1/2 11

Tie Plates, outside Hatchways

Deck * Iron or Steel, for FULL lng. 8 1/2 8 1/2

Wood Deck, Material & thickness NO WOOD DECK LAID

Middle Deck Stringer Plate, br'dth & thickness

Angles on ditto, No.

Tie Plates outside Hatchways

Deck * Material and thickness

Hold, or Orlop Stringer Plate, br'dth & thickness 60 13 60 13

Angles on ditto, No. (DOUBLE) 3 1/2 x 3 1/2 10 3 1/2 x 3 1/2 10

Tie Plates outside Hatchways

Deck, Material and thickness

Poop Deck Stringer Plate, breadth & thickness 42 8 34 8

Angle on ditto 3 1/2 x 3 1/2 9 3 1/2 x 3 1/2 9

Tie Plates

Deck, Material and thickness STEEL 6 STEEL 6

Bridge Deck Stringer Plate, br'dth & thickness 47 9 47 9

Angle on ditto 4 1/2 x 4 1/2 11 4 1/2 x 4 1/2 11

Tie Plates

Deck, Material and thickness STEEL 7 STEEL 7

Forecastle Deck Stringer Plate, br'dth & thickness 34 8 34 8

Angle on ditto 3 1/2 x 3 1/2 9 3 1/2 x 3 1/2 9

Tie Plates

Deck, Material and thickness PLATED UNDER WINDLASS 3 P.P. 3 P.P.

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

BULKHEADS.

Number in Vessel. Thickness. Horizontal. Vertical. Single or Double Frames. Height up.

W. T. BULKHEADS 6 2 2 2 2 2

PARTITION 2 2 2 2 2 2

LONGITUDINAL 2 2 2 2 2 2

Are the outside Plates doubled two spaces of Frames in length? JOGGLED PLATING

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

PLATING.										RIVETING.									
STRAKES.		AS IN SHIP.				PER RULE OR AS APPROVED.				EDGES. <i>Ordinary or jogged.</i> <u>DOGGLED</u>				BUTTS.					
		AMIDSHIP.		FORWARD.		AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAFS.		IF LAPPED.	
		Breadth.	Thickness.	Thickness.	Thickness.		Breadth.	Thickness.			Diam.	Spacing cr. to cr.		Inches.	Inches.	Diam.	Spacing cr. to cr.	Breadth.	Thickness.
		Inches.	<i>16or20ths</i>	<i>16or20ths</i>	<i>16or20ths</i>	Inches.	<i>16or20ths</i>			Inches.	Inches.			Inches.	Inches.	Inches.	<i>16or20ths</i>	Inches.	Feet.
FLAT PLATE KEEL		42	20	13	13	42	20	DOUBLE	6 1/4	1 1/8	4 1/2	QUAD. 3 L.	1 1/2	4	-	-	16	FULL	
(If Bar Keel, state Riveting.)																			
GARBOARD OR A Strake ..		54	14	12	12	54	14	"	6	1	"	TREBLE FULL	1	3 1/2	-	-	10 1/2	"	
State actual thickness in way of Double Bottom.		B	62	12	9	9	12	"	5 1/4	7/8	3 1/2	QUAD. 3 L.	7/8	"	-	-	12	"	
C		80 1/2	13	9	9	13	"	"	"	"	"	"	"	"	-	-	9	"	
D		56	12	9	9	12	"	"	"	"	"	"	"	"	-	-	9	"	
E		66	13	10	10	13	"	"	"	"	"	"	"	"	-	-	9	"	
F		60	12	9	9	12	"	"	"	"	"	"	"	"	-	-	9	"	
G		59	13	9	9	13	"	"	"	"	"	"	"	"	-	-	9	"	
H		59 1/2	12	9	9	12	"	"	"	"	"	"	"	"	-	-	9	"	
J		59	13	9	9	13	"	"	"	"	"	"	"	"	-	-	9	"	
K		61	12	9	9	12	"	"	"	"	"	"	"	"	-	-	9	"	
SHEER STRAKE ..		46	13	10	10	44	13	"	"	"	"	"	"	"	-	-	9	"	
M																			
N																			
O																			
P			2 1/2	BEYOND BRIDGE DOUBLING TO 1/2 LENGTH															
Q																			
R			INCREASED FORWARD AS REQUIRED BY SECT. 24, PARA. 6.																
S																			
DOUBLING of Flat Plate Keel		KEEL & GARBOARD STRAKES INCREASED IN LIEU																	
Length and thickness of Sheerstrakes.		DOUBLED FOR ABOUT 28 FT. AT EACH END OF BRIDGE																	
of Strake below																			
POOP SIDES					7		7												
BRIDGE SIDES			10 1/2	11			10 1/2	11											
FORECASTLE SIDES					8		8												

Write "Sheer Strake" opposite its corresponding letter.

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. ? OPEN HEARTH PROCESS

STEEL PLATES: CONSETT IRON CO., BOLTON LANCASHIRE, S. DURHAM, & C.

" ANGLES: D. PALMER & SONS, S. DURHAM, & C.

IRON PLATES: JOHN HILL & CO. MANCHESTER, TYNAR & C.

Has the Steel been tested as required by the Rules? YES

FRAMES extend in one length from CENTRE LINE TO MARGIN PLATE & THENCE TO GUNWALE

REVERSED FRAMES on floors and frames extend from CENTRE LINE TO MARGIN PLATE

Upper Deck (Butts, treble riveted for 1/2 LENGTH OUTSIDE OF BOULDER length amidship.)
Stringer Plate (Straps, single, double or overlapped for FULL length amidship.)
Middle Deck (Butts, treble riveted for FULL length amidship.)
Stringer Plate (Straps, single, double or overlapped for FULL length amidship.)
Butts of Side Stringers and Tie Plates, treble or double riveted? TREBLE
Inner Bottom Plating, riveting of Edges SINGLE & DOUBLE BUTTS DOUBLE
Centre Girder Butts, TREBLE riveted Keelson Butts, riveted.
Frames, riveted through Plates with 7/8 in. Rivets, about 6 apart.
Rivets, state whether Iron or Steel IRON

MASTS, SPARS, &c.

LOWER MASTS.		Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
				At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
Fore	STEEL	57-11	21 x 7	19 x 6	16 x 7	TWO					SINGLE	QUAD. PLATE
Main	"	59-9	"	"	"	"	"	"			"	"
Misc.	"											

Bowsprit

Topmasts, Yards and Remainder of Spars.

Rigging, Material and Size, Shrouds

Sails.

EQUIPMENT No. 3724 LETTER W. ANCHORS.									
Number of Certificate.	Anchor.	Weight, Ex. Stock.	Weight of Stock.	Test, Per Certificate.	Weight Required by Table 22.	Description of Anchor.	Makers.	Where and when tested and Superintended.	
10409	1st Bower	53 2 0	STOCKLESS	43 15 2 14	52 1 14	BYER'S PATENT	NOT STATED	SID. 28.11.07. W. T. BELF	
10410	2nd "	52 1 0	"	43 15 2 14	52 1 14	"	"	"	
10372	3rd "	45 0 14	"	39 6 2 7	44 2 14	"	"	"	
	4th "	150 3 14			149 2 0				
60222	Stream	14 1 2 3	2 13 15 19 0 7	14		RODGERS	G. HARTSHORN & C. NEWCASTON 23.11.07. H. GIBSON		
60221	Kedge	6 0 8	1 2 15 8 7 2 0	6		"	"	"	

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length and size per Table 22.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire.	Length and size per Table 22.	
			Length.	Diam.						Length.	Clr.		Length.	Clr.
40944	270 2 1/2	26 5	107 1	5 1/2	2 1/4	270 2 1/2	STOW LINE	G. HARTSHORN & C. NEWCASTON 23.11.07. H. GIBSON	TOWLINE	120 4 3/4	39	120 4 3/4	39	120 4 3/4
Iron Chain or Steel Wire	70 1 1/2	39				70 1 1/2								

Boats TWO LIFEBOATS 25'-0" x 5'-0" x 3'-6"; ONE JOLLY BOAT 18'-0" x 5'-6" x 2'-2"; ONE CUTTER 18'-0" x 5'-9" x 2'-3"

Pumps, Number TWO DOWNTON & FORD PUMP Diameters of Barrels 4 1/2 & 5 State whether they are in efficient working order YES

Windlass is BY EMERSON WALKER & C. Capstan NONE

Engine Room Skylights.—How constructed? PLATES AND ANGLES

What arrangements for deadlights in bad weather? STRONG BULLSEYES

Coal Bunker Openings.—How constructed? PLATES AND ANGLES How are lids secured? BATTENS & CLATS Height above deck? 15"

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 8 SCUPPERS EACH SIDE, FREEING PORTS FORW. 4'-3" x 1'-4", AFT 4'-6" x 1'-4"

Ceiling in Holds, thickness and material 2 1/2" PINE Cargo Battens, thickness and material 8' x 2" B. 9' x 1 1/2" PINE

Cargo Hatchways.—How formed? COMBINES ON DECK Hatches, If strong and efficient? YES

State size No. 1 Hatch (Forward) 25' x 18' No. 2 Hatch 25' x 18' No. 3 Hatch 25' x 18' No. 4 Hatch 25' x 18'

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch TWO WEBS & THREE BULL TER BEAMS, FITTED TRANSVERSELY IN EACH

HATCH; NO FORE AND AFTERS No. of Breasthooks 5 No. of Crutches NONE

Bulwarks, height above deck and description 3'-9" x 1/2" STAYS 7' x 2" BULB Main Rail, material and size 5 1/2' x 3' x 9/16" BULB ANGLE

The above is a correct description. JOSEPH L. THOMPSON & SONS, LIMITED Surveyor's Signature George Nicol Surveyor to Lloyd's Register of British and Foreign Shipping.

Builder's Signature (here only)

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

6-5-07, 23-5-07, 7-8-07

Workmanship. Are the butts of plating planed or otherwise fitted? YES

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 the plating? A FEW

Are the butts of Plating, Stringers, &c., properly shifted and stopped? 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 APPROVED PLANS,

THE SECRETARY'S LETTERS DATED AS ABOVE STATED, AND OTHERWISE IN CONFORMITY WITH THE RULES. THE

MATERIALS AND WORKMANSHIP ARE GOOD THROUGHOUT.

THIS VESSEL IS A DUPLICATE OF THE SAME BUILDERS

N: 457 S. S. "ARNELL" SLD. REPORT N: 23428

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 23' 0 1/2 ft., R.Q.D. or Break ft., Bridge Dk. 93' 7 1/2 ft., F'castle 30' 7 1/2 ft. (in feet and tenths). When the Poop 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 D' (P' IAN, P' STL) 2 TIERS BMS, DEEP FRAMING, 3 D' RAIL

Official No. 457; Signal Letters NO 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.	118-75	357	Fore-peak tank.		
Double bottom, under Engines and Boilers.			After peak tank.		23
Double bottom, if under Engines only.	22-71	81	Deep tank, aft.		
Double bottom, if under Boilers only.	145-83	460	Deep tank, forward.		
Double bottom, forward.			Other tanks, if fitted.		
Total capacity	892 1/2		(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. 4406 1907: July 9, 16, 18, 25, 30, Aug 7, 10, 13, 20, 24, 31, Sept. 4, 6, 11, 14, 20, 24, Oct. 1, 3, 4, 9, 18, 21, 25, 28, 29, Nov. 1, 4, 6, 9, 11, 13, 15, 18, 20, 21, 23, 25, 26, Dec. 3, 5, 9, 10, 11.
Date 1-5-07
No. 462 in builder's yard.
Total No. of Visits 144

The amount of Entry Fee £ 5 : : : :
Special Survey Fee £ 117 : 15 : 6
Travelling Expenses, if any £ : : : :
Fees applied for, 16-12-1907
Received by me, 19-12-1907
Certificate to be sent to Punderland

State whether the Vessel has been built under Special Survey YES
I am of opinion this Vessel should be Classed 100 A.I. L.A. & C.P.
With, or without Freeboard, as condition of Class WITHOUT
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute
Character assigned
FRI. 20 DEC 1907
100 A.I.

Lloyd's 206.0 + L.M.B. 12.07